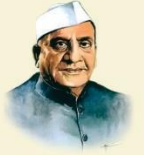




SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI'S
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI



NAAC Accredited by Grade A with CGPA 3.13 (3rd Cycle)
UGC awarded status of College with Potential for Excellence (2nd Phase)
ISO 9000:2015 Certified College

Identified by DST , Govt. Of India for FIST & Sant GadgeBaba Amravati University as Lead College



4TH Cycle

Assessment & Accreditation by NAAC

Criterion-VII

INSTITUTIONAL VALUES AND BEST PRACTICES

QIM – 7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

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Accredited by NAAC with 'A' grade with a CGPA of 3.13
UGC Awarded College with Potential for Excellence ISO 9000:2015 certified College
Identified by DST for FIST and SGB Amravati University as Lead College

Shri Shivaji Science College

Shivaji Nagar, Morshi Road, Amravati - 444 603 M.S.

❖ *Founder* : Dr. Panjabrao Alias Bhausahab Deshmukh
❖ *President* : Hon. Shri Harshwardhan P. Deshmukh
❖ *Principal* : Dr. G. V. Korpe

E-mail : shivajiscamt.office@gmail.com

Web Site : www.shivajiscamt.org

(O) 2660855; *(Fax)* 2665485; *(R)* 2551400

Ref. No.: SSSC/6471/IQAC/2021

Date: Nov. 22nd, 2021

Declaration

The information, reports, true copies of the supporting documents, numerical data, etc. furnished in this file is verified by IQAC and found correct.

Hence this certificate.

H. S. Lunge
IQAC Coordinator
Shri Shivaji Science College
Amravati



G. V. Korpe
Chairman IQAC and Principal
Shri Shivaji Science College,
Amravati

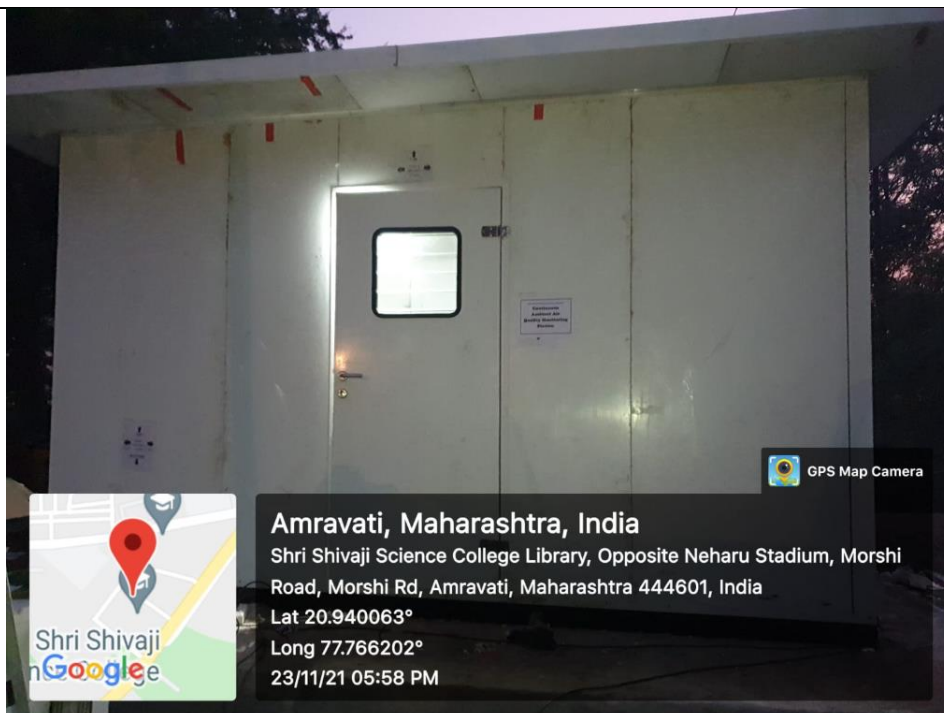
Continuous Ambient Air Quality Monitoring Station

Establishment of Continuous Ambient Air Quality Monitoring Station (CAAQMS):

Taking into consideration the substantial work done by the Department of Environmental Science of the college in propagating environmental consciousness, the Maharashtra Pollution Control Board MPCB requested this college to establish the Ambient Air Quality Monitoring Station in the college campus and accordingly, the college has established- “**Continuous Ambient Air Quality Monitoring Station**” in collaboration with the Regional Office of the MPCB, Amravati.

The “**Continuous Ambient Air Quality Monitoring Station (CAAQMS)**” is a facility to measure the air and meteorological parameters (criteria pollutants) continuously all year round. The measured data is remotely monitored and exported in various formats to the local central authorities. The data is published via the Internet for easy public access to raise awareness on current air pollution levels. This way, the public can prevent outdoor activities and reduce health impacts during heavy polluted days.





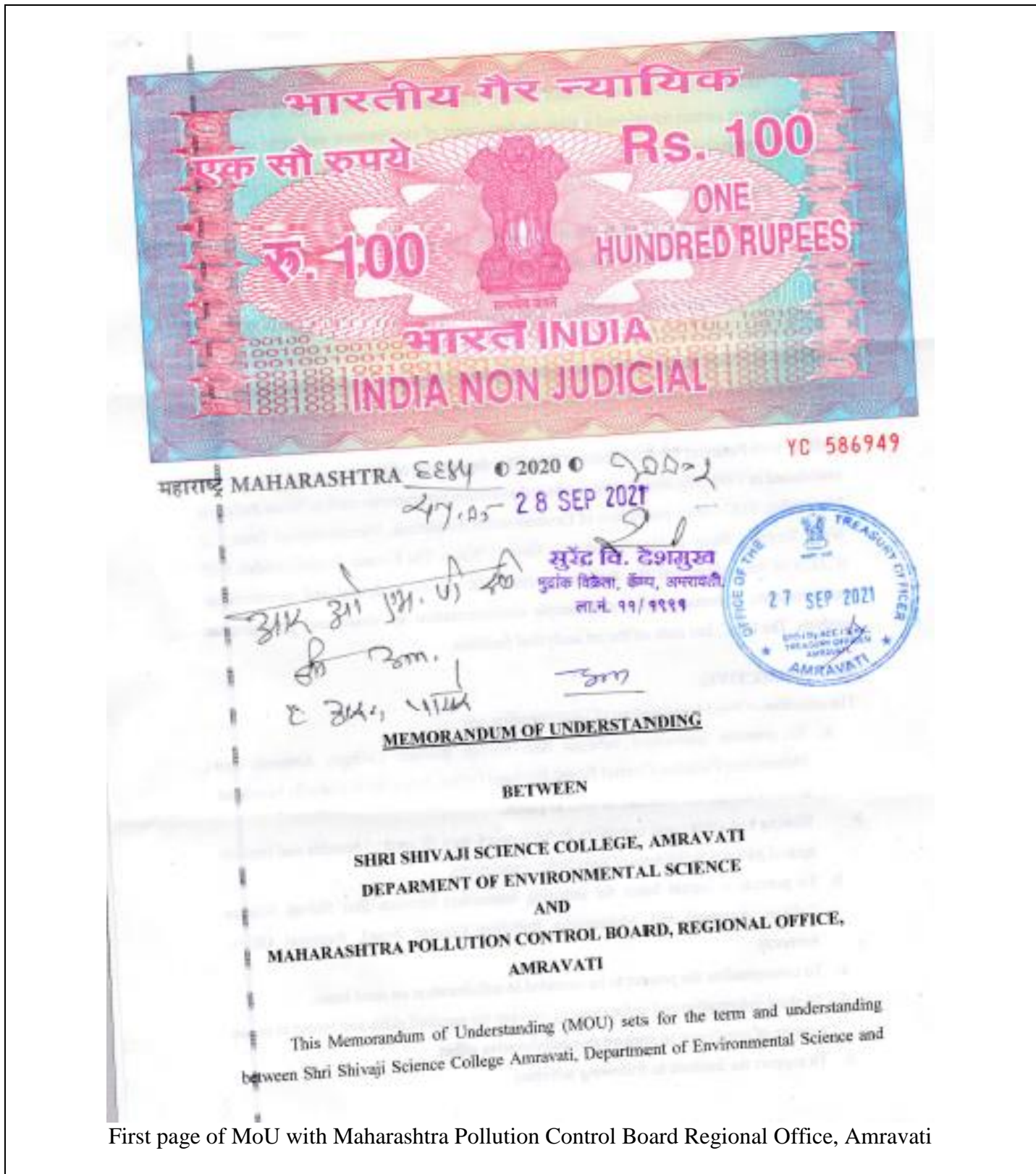
Continuous Ambient Air Quality Monitoring Station at College campus



Continuous Ambient Air Quality Monitoring Station at College campus

MoUs

Memorandum of Understanding with Maharashtra Pollution Control Board Regional Office, Amravati



First page of MoU with Maharashtra Pollution Control Board Regional Office, Amravati

Maharashtra Pollution Control Board, Regional Office, Amravati to work in co-ordination on certain mentioned activities for betterment of environment and as an Institutional Social Responsibility.

A) PREAMBLE:

Maharashtra Pollution Control Board is a statutory Board under the Department of Environment, Government of Maharashtra Mumbai.

Shri Shivaji science College, Amravati evolved under "Shri Shivaji Education Society, Amravati" as a premier institute for imparting formal education in Science stream and affiliated to "Sant Gadge Baba Amravati University, Amravati, Maharashtra, India". The college has been re-accredited with "A" Grade (Very Good) with C.G.P.A. of 3.13 in 2015 by NAAC, Bangalore. The University Grand Commission (UGC) has awarded the status of the College with Potential for Excellence (CPE). The department of Environmental Science was established in 1999. The department conducted extension programmes such as Noise Pollution Monitoring, PUC Camp, promotion of Environmental Awareness, Microbiological Testing of Water Samples, Study of Heavy Metals in Ground Water. The Central Instrumentation Cell (C.I.C.) of the college has the facilities to carry out various analytical and spectroscopic measurements, chromatography and sample characterization by visual and photographic analysis. The C.I.C. has state of the art analytical facilities.

B) OBJECTIVE:

The objective of this Memorandum of Understanding are:

- a. To promote interaction between Shri Shivaji Science College, Amravati and Maharashtra Pollution Control Board, Regional Office, Amravati in mutually beneficial areas to benefit the students as well as public.
- Sharing knowledge and capability in the concern area for mutual benefits and become trusted partners in the area of knowledge enrichment.
- b. To provide a formal basis for initiating interaction between Shri Shivaji Science College, Amravati and Maharashtra Pollution Control Board, Regional Office, Amravati
- c. To conceptualize the project to be executed in collaboration on need basis.
- d. To share information and technology to develop the required skills and intend to create a centre of excellence to support this collaborative effort.
- e. To support the institute in following activities

Preamble and objectives of MoU with Maharashtra Pollution Control Board Regional Office, Amravati

- Laboratory / Infrastructure Development
- Capability development of the students
- Sponsored projects
- Workshops, Conclave, Seminars, Events
- Trainings, Expert Talks
- Monitoring of Noise, Water, Air quality of Amravati region

C) PROPOSED MODES OF COLLABORATION:

Shri Shivaji Science College, Amravati and Maharashtra Pollution Control Board, Regional Office, Amravati propose to collaborate through

- Sponsoring Project in programs at Shri Shivaji Science college, Amravati.
- Conducting Continuing Education programs by at Shri Shivaji Science College, Amravati in areas of interest to Maharashtra Pollution Control Board, Regional Office, Amravati.
- Any other appropriate mode of interaction agreed upon between Shri Shivaji Science College, Amravati and Maharashtra Pollution Control Board, Regional Office, Amravati.
- Provide students with a formal training program or specific training.

D) FINANCIAL TERMS:

- The collaboration program between Environmental Science Department of Shri Shivaji Science College, Amravati and Maharashtra Pollution Control Board, Regional Office, Amravati shall be coordinated by a coordinating committee appointed by both the organizations.
- The expenses i.e. cost of installation of (CAAQMS), Dearness Allowance and cost of stay of the faculty (If any) for expert talks shall be borne by R.O.M.P.C.B. Amravati.
- This MOU does not based on any economical commitment from both parties.

E) VALIDITY TERMS:

This MOU shall be valid for a period of 05 years (Five) from date of signing with time to time evaluation by decision making authorities or advisory committee, if needed. The proposal can be continued after 5 years (Five) with mutual understanding. Following conditions are specified to terminate the MOU.

- 1) Breach of trust from either side
- 2) Objection of Government due to any policy change

Modes of collaboration and terms of MoU with Maharashtra Pollution Control Board Regional Office, Amravati

- 3) Insisting to develop any technological impossible project
- 4) Non committal attitude from either side
- 5) Any other issue with mutual consent.
- 6) Activities of MOU should not affect in any way teaching learning process.


F) TERMS AND CONDITION:


Regarding Continuous Ambient Air Quality Monitoring Station (CAAQMS) –

- Duration for CAAQMS shall be 5 years. After 5 years welling of both parties duration may be extended.
- Respective installation agencies provide will be responsible for monitoring & maintains of equipment. .
- For smooth running of CAAQMS respective agencies higher separate water and electricity connection.
- College only provided land for installation of CAAQMS (18"X18" feet).
- College cannot provide any financial assistant regarding CAAQMS.


G) SIGNATURE AUTHORITIES :

Signed on Date


Dr. S. P. Ingole
Head
Dept of Environmental Science
Shri Shivaji Science College, Amravati



Mr. V. D. Bute
Asst. Professor
Shri Shivaji Science College, Amravati




Mr. S. D. Patil
Regional Officer
MPCB, Regional Office,
Amravati


Dr. P. D. Deshmukh
Field Officer
MPCB, Regional Office
Amravati





Dr. G. N. Chaudhari
Principal
Shri Shivaji Science College, Amravati

Signature page of MoU with Maharashtra Pollution Control Board Regional Office, Amravati

Memorandum of Understanding with Amravati Municipal Corporation, Amravati

Shri Shriji Science College, Amravati,
Inword No. 6456
Date : 31/01/19
To whom Marked.....
Date of Compliance.....

पर्यावरण - 233



अमरावती महानगरपालिका अमरावती

कार्यालय :- महानगरपालिका अमरावती
जा. क्र. अमनपा/पर्यावि/ १६७ /२०१९.
दिनांक :- २४/०९/२०१९

प्रति,
प्राचार्य,
श्री. शिवाजी विज्ञान महाविद्यालय,
अमरावती.

विषय :- शहरातील हवा, ध्वनीप्रदूषण देखरेख कार्यक्रमांमध्ये सहभागी होण्याबाबत.

संदर्भ :- १. आपले कार्यालयाचे दि. ६/०७/२०१५ चे पत्र
२. विषयवर्षित कामाकरीता करण्यात आलेला सामजस्य करार दि. १४/०९/२०१५

उपरोक्त विषयाचे अनुषंगाने आपण महानगरपालिका क्षेत्रातील देखरेख व तत्सम कार्यक्रमांमध्ये सहभागी होण्याकरीता सामजस्य करण्याकरीता संदर्भ क्र. १ अन्वये कराराचा मसुदा सादर केला होता त्या अनुषंगाने संदर्भ क्र. २ अन्वये अमरावती महानगरपालिका व आपले महाविद्यालय मध्ये सामजस्य करार करण्यात आला असून त्याची मुदत दि. १४/०९/२०१८ पर्यंत होती करीता विषयवर्षित कामाकरीता नव्याने सामजस्य करार करण्यात आला आहे. सामजस्य करारची एक प्रत आपणाकडे पाठविण्यात येत आहे.

कराराचे अनुषंगाने शहरातील हवा व ध्वनी प्रदूषणाबाबतची तपासणी करून त्याबाबतची आकडेवारी या निषमिती कार्यालयास उपलब्ध करून द्यावी हि विनंती.

पर्यावरण संवर्धन अधिकारी
महानगरपालिका अमरावती.

प्रतिलिपी :-

१. मा. आयुक्त, महानगरपालिका अमरावती, यांचे माहितीकरीता सविनय सादर.
२. मा. त्रयायुक्त(सा.) महानगरपालिका अमरावती यांचे माहितीकरीता सादर.

Dr. Ingole Madam / Prof. Gauri K.J.

पर्यावरण संवर्धन अधिकारी
महानगरपालिका अमरावती.

Letter from AMC, Amravati to participate in programme to look after Air pollution and Sound pollution in the city



महाराष्ट्र MAHARASHTRA

2018

TF 355135

3-N/253

श्री. शिवाजी सायेंस कॉलेज - अमरावती - १०

१-१-२०१९

३-१-२०१९

आयुक्त



MEMORANDUM OF UNDERSTANDING

Between

**Shri Shivaji Science College, Amravati
Department of Environmental Science**

And

Amravati Municipal Corporation, Amravati.

This Memorandum of Understanding(MOU) sets for the term and understanding between Shri Shivaji Science College, Amravati, Department Of Environmental Science, & Amravati Municipal Corporation, Amravati to work in co-ordination on certain mentioned activities for betterment of environment and as an Institutional Social Responsibility.

First page of MoU with Amravati Municipal Corporation, Amravati

Background:

As AMC Amravati is a governing body and commands over major aspects and activities carried out in Amravati. As we are in the race to make our city a smart, neat & clean we need to study every aspect of environment and it is not possible to cover all avenues as a single body. The current MOU is to share the work and provide the information to AMC, Amravati regarding the noise and air monitoring and analysis, the details are attached herewith.

Purpose:

Purpose/ Goals of Partnership:

- To create awareness and help people know about the present situation of air and noise pollution.
- To maintain health and hygiene of city dwellers.
- To conduct trainings and workshops in co-ordination with AMC, Amravati.
- Regular Evaluation and data provision for public understanding
- Sustainable management.
- Student's Participation for monitoring and analysis.
- To provide expertise services for conducting awareness prog.

The above goals will be accomplished by undertaking the following activities: (List of activities that are planned for partnership attached)

Reporting:

Reports of Monitoring And Analysis Of Air And Noise to be provided by Shri Shivaji Science College, Amravati ,Department of Environmental Science to Amravati Municipal Corporation Amravati.

Funding:

This MOU is not a commitment of Funds.

Purpose of MoU with Amravati Municipal Corporation, Amravati

Terms and Conditions:

From Corporation:

- Provision of student participation and the involved student provided patronization for their work along with certificate.
- Wherever the data is displayed the name of department of Environmental Science, Shri Shivaji Science College, Amravati to be mentioned in Source note.

From College:

- Render the readings of noise pollution status to AMC, Amravati.
- Contribute the readings of air pollution status to AMC, Amravati.
- Students to aware the emergency backup for solving noise pollution related matters at the location of dispute.

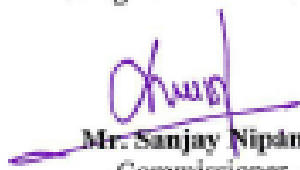
Duration:

This MOU is at will and may be modified by mutual consent of authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Municipal Corporation Amravati. This MOU shall become effective upon signature by the authorized official from Shri. Shivaji Science College, Amravati, Department of Environmental Science and Amravati Municipal Corporation Amravati and will remain in effect until modified or terminated by any one of the partners by mutual consents. In the absence of mutual agreement by the authorized official from Shri. Shivaji Science College, Amravati, Department of Environmental Science and Amravati Municipal

Terms, Conditions and Duration of MoU with Amravati Municipal Corporation, Amravati

Corporation Amravati. This MOU will continue for next five years from expiry date of previous MOU dated 14.09.2015.

Obligators Name and Address:



Mr. Sanjay Nipane
Commissioner
Amravati Municipal Corporation, Amravati
Raj kamal Square Amravati,

Signature of the grantee
Department of Institution



Dr. S. P. Ingole
Dept. Of Environmental Science
Amravati



Mr. Mahesh Deshmukh
Environment C. Officer
Amravati Municipal Corporation
Rajkamal Square, Amravati.



Mr. Kirtidhvaj J. Gawai
Assistant Professor
Dept. of Environmental Sci
Amravati

(For office use only)

Accepted for and on behalf of the Principal, Shri Shivaji Science College, Amravati

Witness:

(Name and Designation)
Dr. V. G. Thakare

Principal
Shri Shivaji Science College,
AMRAVATI,
Amravati

Place: Amravati

Date:-

Signature page of MoU with Amravati Municipal Corporation, Amravati

Memorandum of Understanding with Amravati Cancer Foundation, Amravati



महाराष्ट्र MAHARASHTRA

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डा. शिवजी शिवाजी शास्त्री
[Signature]
राजेश शर्मा
मार्गिक विकास
[Signature]



MEMORANDUM OF UNDERSTANDING
BETWEEN
SHRI SHIVAJI SCIENCE COLLEGE,
DEPARTMENT OF ENVIRONMENTAL SCIENCE
AMRAVATI
AND
AMRAVATI CANCER FOUNDATION, AMRAVATI

This Memorandum of Understanding (MOU) sets for the term and understanding between Shri Shivaji Science College, Amravati, Department Of Environmental Science, & Amravati Cancer Foundation, Amravati to work in co-ordination on certain below mentioned activities for betterment of environment and as an Institutional Social Responsibility.

First page of MoU with Amravati Cancer Foundation, Amravati

Background :

Environmental factors include agents (natural or man-made) encountered by humans in their daily life, upon which they have no or limited personal control.

Environmental carcinogens, in a strict sense, include outdoor and indoor air pollutants, as well as soil and drinking water contaminants. Lifestyle factors such as tobacco use, diet, and physical activity; certain types of infections; and environmental exposures to different types of chemicals and radiation add a boost to these. An increased risk of mesothelioma has consistently been detected among individuals experiencing residential exposure to asbestos, whereas results for lung cancer are less consistent.

Air pollution is a mixture of many different substances and the exact contents vary depending on what sources of pollution are nearby, your location, the time of year and even the weather.

“The air we breathe is filled with cancer-causing substances,” said Kurt Straif, PhD, head of the IARC Monographs Section. “Outdoor air pollution is not only major environmental risk to health in general, it is the most important environmental cancer killer due to the large number of people exposed.”

Hygiene is a set of practices performed for the preservation of health. According to the World Health Organization (WHO), “Hygiene refers to conditions and practices that help to maintain health and prevent the spread of diseases.”

Nearly 40% of world’s population (2.4 billion) have no access to basic sanitation. 5, 500 children die every day from diseases caused by contaminated food and water.

The majority of cancers, some 90–95% of cases, are due to environmental factors.

Despite overall decreases in incidence and mortality, cancer continues to shatter and steal the lives . Children are at Special Risk for Cancer due to Environmental Contaminants and should be protected.

Public and governmental awareness of environment influences cancer risk and other health issues has increased substantially in recent years as scientific and health care communities, policymakers, and individuals strive to understand and ameliorate the causes and toll of human disease.

Background of MoU with Amravati Cancer Foundation, Amravati

Purpose:

Purpose/ goals of partnership:

- To create awareness among student .
- To maintain precautions regarding health and hygiene .
- Participation of student and staff in awareness program at society level.
- Sustainable management .
- To provide expertise services for conducting workshop, guest lecture and training, etc.
- A step towards social responsibility of our institute.
- To run outreach programme for betterment of environmental health and social health.
- Securing health systems
- Scale up disease control
- Empowerment of people to improve their health
- Mobilize sufficient sustainable resources
- Creating effective barriers that will prevent contamination & disease transmission
- Teaching good practices in relation to water purification and disposal
- Teaching how to identify and treat basic water and sanitation related illnesses
- Teaching effective end user operation and maintenance
- Impact of poor Sanitation to HIV/AIDS victims

The above goals will be accomplished by undertaking the activities:
(List of activities that are planned for partnership attached)

Reporting :

- Precautionary measures , Guidelines and Suggestions in the form of literature will be provided by the Amravati surgical association to create cancer awareness.
- Students will prepare the reports of case studies related to environmental factors responsible for mutational changes.

Funding:

This MOU is not a commitment of Funds.

Terms and Conditions:

From Amravati Cancer Foundation, Amravati :

- Appreciation Certificate for Student who will participate in awareness camp outside college campus.
- Awareness camp, guest lectures and workshop in college campus.
- Provision and arrangement of free check up camp.

From College:


- Students and staffs participation in awareness camp, as per the college time table permits.
- Staff will provide expertise service to link role of environmental factors in cancer.

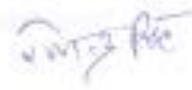
Purpose, Terms and Conditions of MoU with Amravati Cancer Foundation, Amravati

Duration :

This MOU is at will and may be modified by mutual consent of authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Cancer Foundation, Amravati. This MOU shall become effective upon signature by the authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Cancer Foundation, Amravati , this will remain in effect until modified or terminated by any one of the partners by mutual consents. In the absence of mutual agreement by the authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Cancer Foundation, Amravati, this MOU shall end after 3 years from date of agreement.

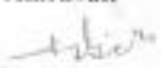
Obligators Name and Address:


Adv. Ashok Jain
President
Amravati Cancer Foundation,
Amravati


Dr. RajendraSingh Arora
Secretary
Amravati Cancer Foundation
Amravati

**Signature of the grantee
Department of Institution**


Dr. Sangita P. Ingole
Head Dept. of Env. Science,
Shri Shivaji Science College
Amravati


Mr. K.J. Gawai
Assist. professor
Dept. of Env. Sci.
Shri Shivaji Science College,
Amravati

For office use only

Accepted for and on behalf of the Principal, Shri Shivaji Science College, Amravati.

Witness

Name and address



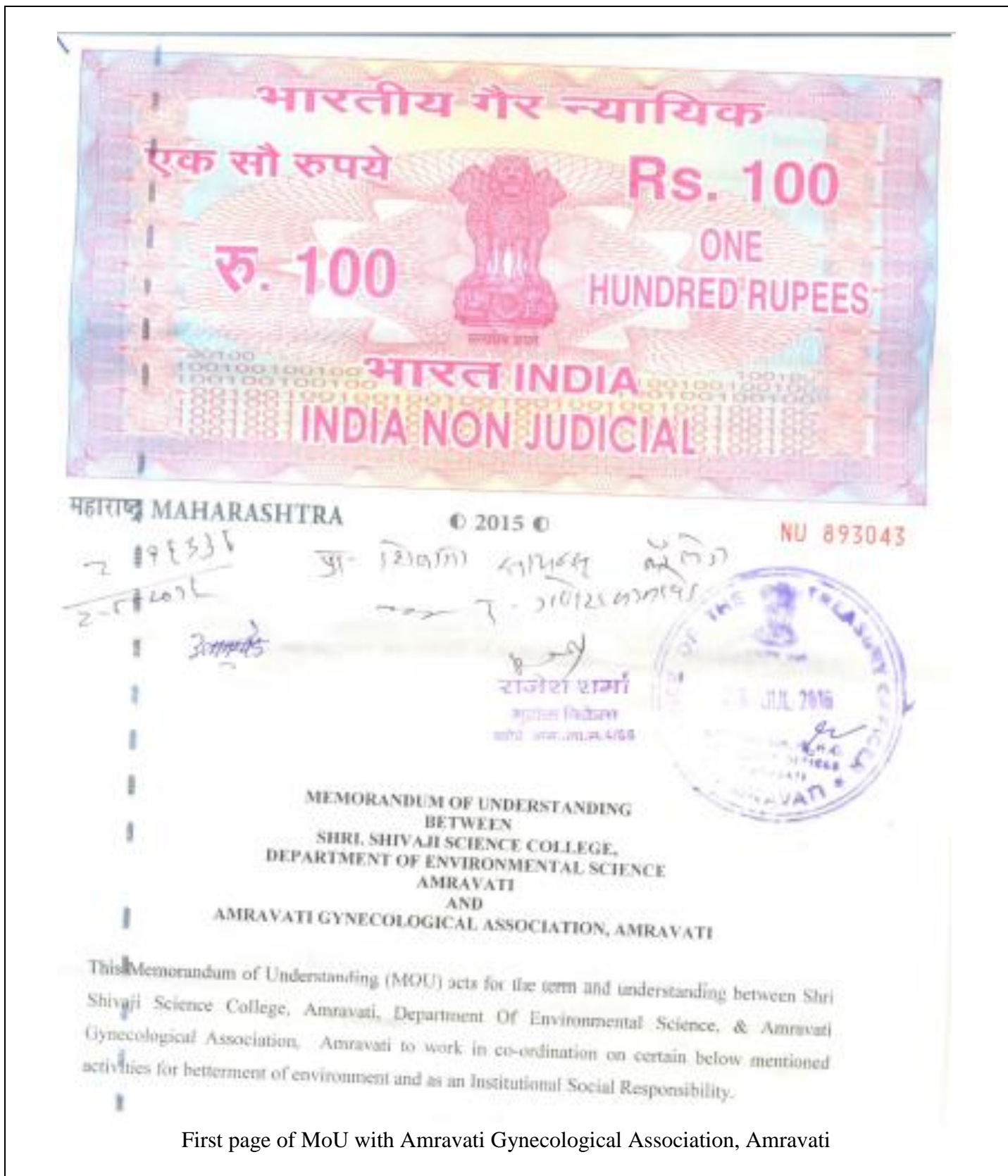
(Name and Designation)


Principal
Shri Shivaji Science College
Dr. Amravati

Shri Shivaji Science College, Amravati

Signature page of MoU with Amravati Cancer Foundation, Amravati

Memorandum of Understanding with Amravati Gynaecological Association, Amravati



First page of MoU with Amravati Gynecological Association, Amravati

Background :

Environmental factors include agents (natural or man-made) encountered by humans in their daily life, upon which they have no or limited personal control.

Environmental carcinogens, in a strict sense, include outdoor and indoor air pollutants, as well as soil and drinking water contaminants. Lifestyle factors such as tobacco use, diet, and physical activity; certain types of infections; and environmental exposures to different types of chemicals and radiation add a boost to these. An increased risk of mesothelioma has consistently been detected among individuals experiencing residential exposure to asbestos, whereas results for lung cancer are less consistent.

Air pollution is a mixture of many different substances and the exact contents vary depending on what sources of pollution are nearby, your location, the time of year and even the weather.

"The air we breathe is filled with cancer-causing substances," said Kurt Straif, PhD, head of the IARC Monographs Section. "Outdoor air pollution is not only major environmental risk to health in general, it is the most important environmental cancer killer due to the large number of people exposed."

Hygiene is a set of practices performed for the preservation of health. According to the World Health Organization (WHO), "Hygiene refers to conditions and practices that help to maintain health and prevent the spread of diseases."

Nearly 40% of world's population (2.4 billion) have no access to basic sanitation. 5, 500 children die every day from diseases caused by contaminated food and water.

The majority of cancers, some 90–95% of cases, are due to environmental factors.

Despite overall decreases in incidence and mortality, cancer continues to shatter and steal the lives. Children are at Special Risk for Cancer due to Environmental Contaminants and should be protected.

Public and governmental awareness of environment influences cancer risk and other health issues has increased substantially in recent years as scientific and health care communities, policymakers, and individuals strive to understand and ameliorate the causes and toll of human disease.

Background of MoU with Amravati Gynecological Association, Amravati

Purpose:

Purpose/ goals of partnership:

- To create awareness among students .
- To maintain precautions regarding health and hygiene .
- Participation of student and staff in awareness program at society level.
- Sustainable management .
- To provide expertise services for conducting workshop, guest lecture and training, etc.
- A step towards social responsibility of our institute.
- To run outreach programme for betterment of environmental health and social health.
- Securing health systems
- Scale up disease control
- Empowerment of people to improve their health
- Mobilize sufficient sustainable resources
- Creating effective barriers that will prevent contamination & disease transmission
- Teaching good practices in relation to water purification and disposal
- Teaching how to identify and treat basic water and sanitation related illnesses
- Teaching effective end user operation and maintenance
- Impact of poor Sanitation to HIV/AIDS victims

The above goals will be accomplished by undertaking the activities:

Reporting :

- Precautionary measures , Guidelines and Suggestions in the form of literature will be provided by the Amravati surgical association to create cancer awareness.
- Students will prepare the reports of case studies related to environmental factors responsible for mutational changes.

Funding:

This MOU is not a commitment of Funds,

Terms and Conditions:

From Amravati Gynecological Association, Amravati :

- Appreciation Certificate for Student who will participate in awareness camp outside college campus.
- Awareness camp, guest lectures and workshop in college campus.
- Provision and arrangement of free check up camp.

From College:

- Students and staffs participation in awareness camp, as per the college time table permits.
- Staff will provide expertise service to link role of environmental factors in cancer.

Purposes, Terms and Conditions of MoU with Amravati Gynecological Association, Amravati

Duration :

This MOU is at will and may be modified by mutual consent of authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Gynecological Association, Amravati. This MOU shall become effective upon signature by the authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Gynecological Association, Amravati , this will remain in effect until modified or terminated by any one of the partners by mutual consents. In the absence of mutual agreement by the authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Gynecological Association, Amravati, this MOU shall end after 3 years from date of agreement.

Obligators Name and Address:

**Signature of the grantee
Department of Institution**

Dr. Manjusha Bokey
President
Amravati Gynecological Association,
Amravati

Dr. Sangita P. Ingole
Head Dept. of Env. Science,
Shri Shivaji Science College
Amravati

Dr. Pranjal Sharma
Secretary
Amravati Gynecological Association,
Amravati

MR. K.J. Gawai
Assist. professor
Dept. of Env. Sci.
Shri Shivaji Science College,
Amravati

For office use only

Accepted for and on behalf of the Principal, Shri Shivaji Science College, Amravati.

Witness



(Name and Designation)

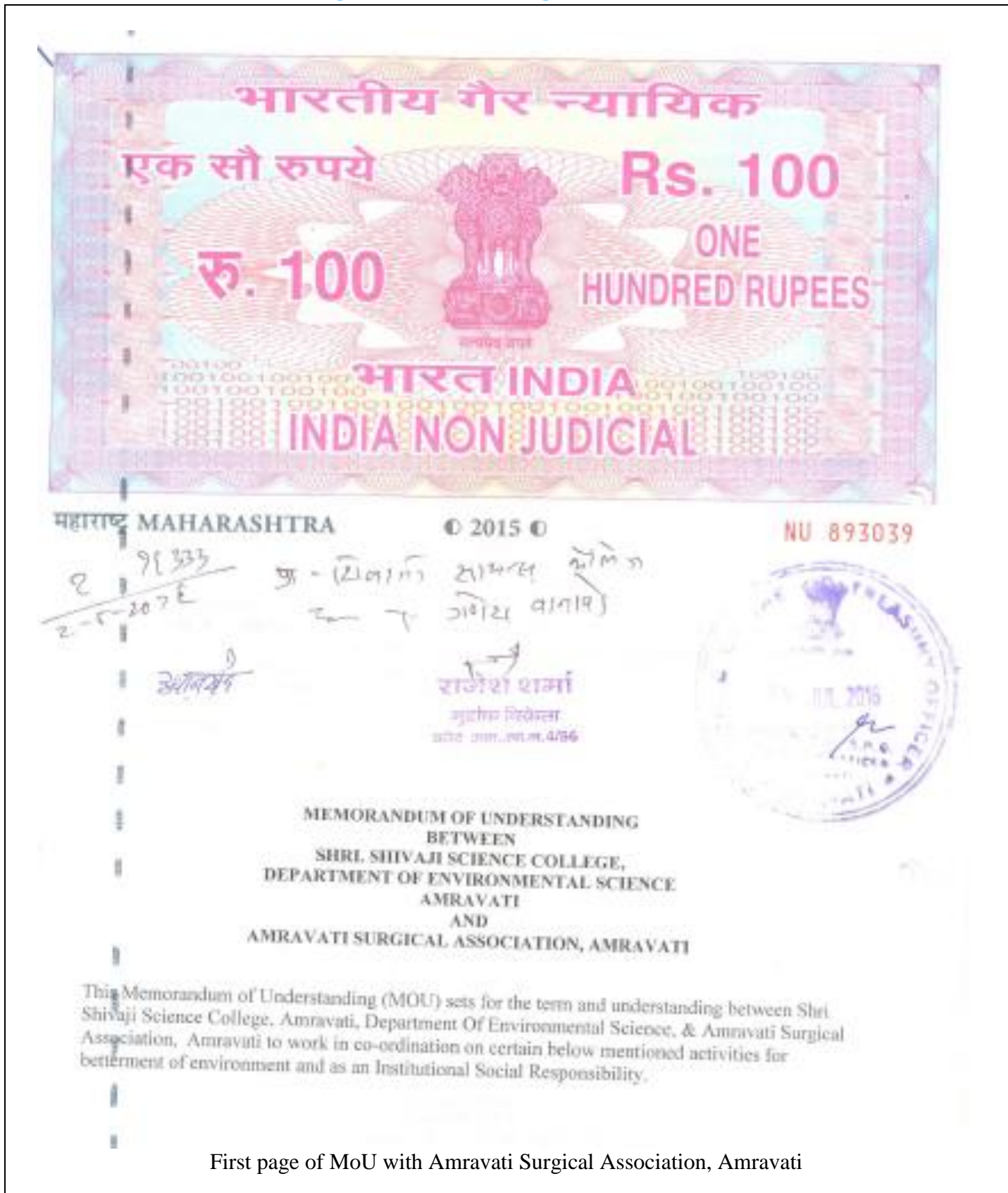
Name and address

Principal
Shri Shivaji Science College,
AMRAVATI

Shri Shivaji Science College, Amravati

Signature page of MoU with Amravati Gynecological Association, Amravati

Memorandum of Understanding with Amravati Surgical Association, Amravati



First page of MoU with Amravati Surgical Association, Amravati

Background :

Environmental factors include agents (natural or man-made) encountered by humans in their daily life, upon which they have no or limited personal control.

Environmental carcinogens, in a strict sense, include outdoor and indoor air pollutants, as well as soil and drinking water contaminants. Lifestyle factors such as tobacco use, diet, and physical activity; certain types of infections; and environmental exposures to different types of chemicals and radiation add a boost to these. An increased risk of mesothelioma has consistently been detected among individuals experiencing residential exposure to asbestos, whereas results for lung cancer are less consistent.

Air pollution is a mixture of many different substances and the exact contents vary depending on what sources of pollution are nearby, your location, the time of year and even the weather.

"The air we breathe is filled with cancer-causing substances," said Kurt Straif, PhD, head of the IARC Monographs Section. "Outdoor air pollution is not only major environmental risk to health in general, it is the most important environmental cancer killer due to the large number of people exposed."

Hygiene is a set of practices performed for the preservation of health. According to the World Health Organization (WHO), "Hygiene refers to conditions and practices that help to maintain health and prevent the spread of diseases."

Nearly 40% of world's population (2.4 billion) have no access to basic sanitation. 5, 500 children die every day from diseases caused by contaminated food and water.

The majority of cancers, some 90–95% of cases, are due to environmental factors.

Despite overall decreases in incidence and mortality, cancer continues to shatter and steal the lives. Children are at Special Risk for Cancer due to Environmental Contaminants and should be protected.

Public and governmental awareness of environment influences cancer risk and other health issues has increased substantially in recent years as scientific and health care communities, policymakers, and individuals strive to understand and ameliorate the causes and toll of human disease.

Purpose:

Purpose/ goals of partnership:

- To create awareness among students.
- To maintain precautions regarding health and hygiene.
- Participation of student and staff in awareness program at society level.
- Sustainable management.
- To provide expertise services for conducting workshop, guest lecture and training, etc.
- A step towards social responsibility of our institute.
- To run outreach programme for betterment of environmental health and social health.
- Securing health systems
- Scale up disease control
- Empowerment of people to improve their health

Background, Purpose of MoU with Amravati Surgical Association, Amravati

- Mobilize sufficient sustainable resources
 - Creating effective barriers that will prevent contamination & disease transmission
 - Teaching good practices in relation to water purification and disposal
 - Teaching how to identify and treat basic water and sanitation related illnesses
 - Teaching effective end user operation and maintenance
 - Impact of poor Sanitation to HIV/AIDS victims
- The above goals will be accomplished by undertaking the activities:

Reporting :

- Precautionary measures , Guidelines and Suggestions in the form of literature will be provided by the Amravati surgical association to create cancer awareness,
- Students will prepare the reports of case studies related to environmental factors responsible for mutational changes.

Funding:

This MOU is not a commitment of Funds.

Terms and Conditions:

From Amravati Surgical Association, Amravati :

- Appreciation Certificate for Student who will participate in awareness camp outside college campus.
- Awareness camp, guest lectures and workshop in college campus.
- Provision and arrangement of free check up camp.

From College:

- Students and staffs participation in awareness camp, as per the college time table permits.
- Staff will provide expertise service to link role of environmental factors in cancer.

Duration :

This MOU is at will and may be modified by mutual consent of authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Surgical Association, Amravati. This MOU shall become effective upon signature by the authorized official from Shri Shivaji Science College, Amravati , Department of Environmental Science and Amravati Surgical Association, Amravati , this will remain in effect until modified or terminated by any one of the partners by mutual consents. In the absence of mutual

Duration, Terms and Conditions of MoU with Amravati Surgical Association, Amravati

agreement by the authorized official from Shri Shivaji Science College, Amravati, Department of Environmental Science and Amravati Surgical Association, Amravati, this MOU shall end after 3 years from date of agreement.

Obligators Name and Address:

R. A. Ganeriwal

Dr. Rajendra Ganeriwal
President
Amravati Surgical Association,
Amravati

DR. R. A. GANERIWAL
M. S. (GEN. SURG.)
Reg. No. 56708

J. Ingole

Dr. Jayashree Ingole
Secretary
Amravati Surgical Association,
Amravati

Signature of the grantee
Department of Institution

S. Ingole

Dr. Sangita P. Ingole
Head Dept. of Env. Science,
Shri Shivaji Science College
Amravati

K. J. Gawai

MR. K.J. Gawai
Assist. professor
Dept. of Env. Sci.
Shri Shivaji Science College,
Amravati

For office use only

Accepted for and on behalf of the Principal, Shri Shivaji Science College, Amravati.

Witness



Name and address

(Name and Designation)

[Signature]
Principal
Shri Shivaji Science College,
AMRAVATI
Shri Shivaji Science College, Amravati

Signature page of MoU with Amravati Surgical Association, Amravati

Maharashtra Pollution Control Board, National Green Tribunal Programme

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

प्रादेशिक कार्यालय, अमरावती

फोन नं. ०७२१-२५६३५९२/९३/९४

फॅक्स नं. ०७२१-२५६३५९७

ईमेल-rcamravati@mpcb.gov.in

जा. क्र. मप्रनि/प्राका/अम/ ११० /२०२०



सहकार सुरभी, वाफटवाडी,

विवेकानंद कॉलनी, अमरावती.

पिन नं. ४४४६०६

दि. ०६/०८/२०२०

प्रति,

श्रीमती संगीता इंगोले,

विभाग प्रमुख, पर्यावरण शास्त्र विभाग,

श्री शिवाजी सायन्स कॉलेज,

अमरावती.

विषय :- राष्ट्रीय शुद्ध हवा कार्यक्रमाच्या प्रभावी अंमलबजावणीसाठी नागरी स्तरावरील गर्दीत समीतीची बैठक.

संदर्भ :- 1) मा. राष्ट्रीय हरीत लयाद मुख्य खंडपीठ नवी दिल्ली यांचे दि. ०८.१०.२०१८ रोजीचे आदेश.

2) प्रादेशिक अधिकारी म.प्र.नि. मंडळ अमरावती यांचे समीती गठन आदेश दि. १९.११.२०१९.

उपरोक्त संदर्भित विषयाच्या अनुषंगाने कळविण्यात येते की, संदर्भित पत्र क्र. १ अन्वये मा. राष्ट्रीय हरीत लयाद यांनी अर्ज क्र. ६८१/२०१८ या प्रकरणामध्ये दि. ०८.१०.२०१८ रोजी पारित केलेल्या आदेशाच्या अनुषंगाने प्रादेशिक अधिकारी, म.प्र.नि. मंडळ, अमरावती यांनी मा. आयुक्त, अमरावती महानगरपालिका, अमरावती यांचे अध्यक्षतेखाली राष्ट्रीय शुद्ध हवा कार्यक्रमाच्या प्रभावी अंमलबजावणीसाठी नागरी स्तरावर समीती गठीत केलेली असून, सदर समीतीची बैठक दि. ११.०८.२०२० रोजी संख्या. ४.०० खाजता मा. आयुक्त, अमरावती महानगरपालिका, अमरावती यांचे दालनात आर्वांजित करण्यात आलेली आहे. सदर समीतीच्या दि. २१.११.२०१९ रोजी झालेल्या बैठकीचे इतिवृत आपले अवलोकनार्थ सोबत जोडण्यात येत आहे.

आपणांस विनंती करण्यात येते की, सदर बैठकीस आवश्यक त्या माहितीसह उपस्थित राहावे.

सहपत्र वरिल प्रमाणे

प्रति,

उप-प्रादेशिक अधिकारी, म.प्र.नि. मंडळ, अमरावती-१

आपला विश्वासू

(सं. दे. पाटील)

प्रादेशिक अधिकारी,
म. प्र. नि. मंडळ अमरावती-

Letter from Maharashtra Pollution Control Board, Regional Office Amravati for meeting to be held on regional level for effective implementation of National Clean Air Programme on 11th August 2020 at 4pm

मा. राष्ट्रीय हरीत लढाव, मुख्य खांडपीठ नवी दिल्ली यांनी अर्ज क्र. ६८१/२०१८ मध्ये दि. ०८/१०/२०१८ अन्वये पारित केलेल्या आदेशानुसार तसेच केंद्रीय प्रदूषण नियंत्रण मंडळाच्या दि. २४/०४/२०१९ च्या पत्रानुसार राष्ट्रीय शुद्ध हवा कार्यक्रमाच्या प्रभावी अंमलबजावणीसाठी अमरावती जिल्हाकारिता नागरी स्तरावरील गठीत करण्यात आलेल्या जिल्हा स्तरीय समितीच्या दि. २१.११.२०१९ रोजीच्या बैठकीचे इतिवृत्त

मा. राष्ट्रीय हरीत लढाव, मुख्य खांडपीठ, नवी दिल्ली यांनी अर्ज क्र. ६८१/२०१८ मध्ये दि. ०८/१०/२०१८ अन्वये पारित केलेल्या आदेशानुसार तसेच केंद्रीय प्रदूषण नियंत्रण मंडळाच्या दिनांक २४/०४/२०१९ रोजीच्या पत्रानुसार राष्ट्रीय शुद्ध हवा कार्यक्रमाच्या प्रभावी अंमलबजावणीसाठी अमरावती जिल्हाकारिता जिल्हा स्तरीय समिती मा. आयुक्त, महानगरपालिका, अमरावती यांचे कार्यालयीन आदेश क्र. ६९७/२०१९ दि. १९/११/२०१९ अन्वये गठीत करण्यात आली. सदर जिल्हास्तरीय समितीची प्रथम बैठक दि. २१/११/२०१९ रोजी सायंकाळी ५.०० वा. मा. आयुक्त, महानगरपालिका, अमरावती, यांचे अध्यक्षतेखाली महानगरपालिका, अमरावती येथील सभागृहात घेण्यात आली. सदर बैठकीस खालीलप्रमाणे अधिकारी/प्रतिनिधी उपस्थित होते.

- | | |
|--|--------------|
| १. मा. श्री. संजय निगळे, आयुक्त, महानगरपालिका, अमरावती | — अध्यक्ष |
| २. श्री महेश देशमुख, उपायुक्त (स्था.सं.क.) तथा पर्यावरण खातोप्रमुख, म.न.पा. अमरावती | — प्रतिनिधी |
| ३. श्री. नमेश शां. लोहकार, प्रादेशिक अधिकारी म.प्र.नि. मंडळ अमरावती | — सदस्य सचिव |
| ४. श्रीमती संगीता इंगोले, विभाग प्रमुख, पर्यावरण शाख विभाग, श्री शिवाजी विज्ञान महाविद्यालय, अमरावती | — सदस्य |
| ५. श्रीमती आ. वि. काळे, सहाय्यक अधीक्षक अभियंता, प्रतिनिधी सार्वजनिक बांधकाम मंडळ, अमरावती | — सदस्य |
| ६. श्री सि. ने. रघुवंशी, सहाय्यक अधीक्षक अभियंता, प्रतिनिधी महाराष्ट्र निचन प्राधिकरण, अमरावती | — सदस्य |
| ७. श्री. संजय दे. पाटील, उप-प्रादेशिक अधिकारी म.प्र.नि. मंडळ अमरावती | |

मा. आयुक्त, महानगरपालिका, अमरावती यांचे परवानगीने सदर बैठकीचे कामकाज सुरु करण्यात आले. सर्वप्रथम उपस्थित सर्व सदस्यांचे स्वागत करण्यात आले. मा. आयुक्त, महानगरपालिका, अमरावती यांनी सदर राष्ट्रीय शुद्ध हवा कार्यक्रमाच्या अंमलबजावणीसाठी गठीत करण्यात आलेल्या जिल्हास्तरीय समितीच्या स्थापनेच्या उद्देशाबाबत माहिती देण्यात आली असे निर्देशित केले. त्यावर उप-प्रादेशिक अधिकारी म.प्र.नि. मंडळ अमरावती यांनी सदर जिल्हास्तरीय समिती मा. राष्ट्रीय हरीत लढाव, मुख्य खांडपीठ, नवी दिल्ली येथील अर्ज क्र. ६८१/२०१८ मध्ये दि. ०८/१०/२०१८ अन्वये पारित केलेल्या आदेशानुसार व केंद्रीय प्रदूषण नियंत्रण मंडळाच्या दि. २४/०४/२०१९ रोजीच्या पत्राच्या अनुपालनाच्या अनुषंगाने गठीत करण्यात आलेल्या अडथळाबाबत माहिती दिली. त्यांनी सदर समितीच्या कार्यक्षेत्राबाबत माहिती देताना सांगितले की, निती या संस्थेस म.प्र.नि. मंडळाने हजेची गुणवत्ता तपासण्याबाबत कार्यदेश प्रदान केलेला असून स्तर संस्थेने अमरावती शहराच्या हजेचे गुणवत्तेबाबत अभ्यास उलटाल मसुदा सादर केल्यानंतर समितीने स्तर अभ्यास अहवालाचे पुनरावलोकन करून राज्य स्तरीय हवा गुणवत्ता समीक्षाकडे पाठवायचा आहे.

Signature
 12.11

Letter from Maharashtra Pollution Control Board, Regional Office Amravati for meeting to be held on regional level for effective implementation of National Clean Air Programme on 11th August 2020 at 4pm

त्यांनी सांगितले की, म.प्र.नि. मंडळाने दि. ०४/०५/२०१९ रोजी शासनाच्या विविध संस्थीत विभागांना अमरावती शहराच्या हजेची गुणवत्ता सुधारण्याकरिता कृती आराखड्याची अंमलबजावणी करण्याकरिता निर्देश प्रदान केलेले आहेत. विविध विभागांकडून सादर निर्देशांच्या अंमलबजावणी व अनुपालनाबाबत सभोतीच्या बैठकीमध्ये चर्चा करण्यात येईल अशी माहिती त्यांनी दिली. सादर सभोतीची बैठक दर महिन्यामध्ये घेण्यात येवून सभोती मासिक प्रगती अहवाल राज्य पातळीवरील वायू गुणवत्ता नियंत्रण समीतीस सादर करेल.

मा. आयुक्त यांनी राज्यातील non attainment cities मध्ये अंतर्भूत असलेल्या १७ शहरांचाच माहिती विचारली असता उपायुक्त (स्था.सं.क.) तथा पर्यावरण खातेप्रमुख, म.प्र.नि. अमरावती यांनी माहिती दिली की, राज्यामध्ये अकोला, अमरावती, औरंगाबाद, दहलदूर, रंदापूर, जालगाव, जालना, कोल्हापूर, लातूर, नागपूर, सांगली, उल्हासनगर, मुंबई, नाशिक, नवी मुंबई, पुणे, सोलापूर या शहरांचा अंतर्भाव non attainment cities करण्यात आलेला आहे. त्यांनी माहिती दिली की, अमरावती शहराकरिता हजेची गुणवत्ता सुधारण्याकरिता अमरावती महानगरपालिकेने कृती आराखडा म.प्र.नि. मंडळाला सादर केलेला असून केंद्रीय प्रदूषण नियंत्रण मंडळाने त्यामध्ये ५७ही सुधारणा केल्याचे उद्घोष सादर आराखडा येवू केलेला आहे. अमरावती शहराची गुणवत्ता सुधारण्याकरिता म.प्र.नि. मंडळाने अमरावती महानगरपालिकेस अनुदान बंधू केलेले असून त्यापैकी पहिल्या टप्प्याकरिता रु. १२.०० लाख अनुदान महानगरपालिकेस मिळण्याबाबतची प्रक्रिया सुरू आहे. अमरावती शहरामध्ये कार्यान्वित असलेल्या केंद्राच्या हजेच्या गुणवत्तेच्या पृथक्करण अहवालावरून असे निदर्शनास येते की, सर्वसाधारणपणे SOx व NOx ही मानके राष्ट्रीय हवा गुणवत्ता मानकांच्या विहित मर्यादा आहेत परंतु RSPM हे मानक काही वेळांजवळ मर्यादेच्या पेक्षा जास्त असल्याचे जाणवून येते. त्याचर मा. आयुक्त यांनी वातावरणचे कारक ब्रह्म अशी विचारणा केली असता उपायुक्त (स्था.सं.क.) तथा पर्यावरण खातेप्रमुख यांनी माहिती दिली की, सध्या अमरावती शहरामध्ये विविध रस्त्यांचे बांधकाम सुरू असल्याने बांधकामामधून तसेच सर रस्त्यावरून हांगा-या वाहणुकीमुळे हजेमध्ये उत्सर्जित होणारे धूलोकणांमुळे RSPM हे मानक काही वेळां विहित मर्यादेपेक्षा जास्त निदर्शनास येते.

मा. आयुक्त यांनी अमरावती शहरांमध्ये म.प्र.नि. मंडळालाकडे राष्ट्रीय हवा गुणवत्ता तपासणी कार्यक्रमांतर्गत हजेची गुणवत्ता तपासणीकरिता कार्यान्वित असलेल्या ठिकाणांबाबत माहिती वाचून घेतली. त्याबाबत उप-पारिशीक अधिकारी, म.प्र.नि. मंडळ, अमरावती यांनी माहिती दिली की, अमरावती शहरामध्ये राष्ट्रीय हवा गुणवत्ता तपासणी कार्यक्रमांतर्गत ३ ठिकाणी तपासणी केंद्रे कार्यान्वित असून सादर केंद्रे शारदिक अभियांत्रिकी महाविद्यालय, अमरावती यांचे मार्फत चालविली जाणत. बाबासाहेब आशा प्रमुख, पर्यावरण शास्त्र विभाग, श्री शिवानी विज्ञान महाविद्यालय, अमरावती यांनी सादर केंद्रे अमरावती शहरामध्ये कुठे कार्यान्वित आहेत, अशी विचारणा केली असता उप-पारिशीक अधिकारी, म.प्र.नि. मंडळ, अमरावती यांनी अमरावती शहरामध्ये रजिस्ट्रारी भागाकरिता शासकीय अभियांत्रिकी महाविद्यालय, अमरावती येथे, व्यापारी क्षेत्राकरिता राजकमल चौक, अमरावती येथे व औद्योगिक क्षेत्राकरिता म.जो.वि.मं. औद्योगिक क्षेत्र, अमरावती येथे सादर केंद्रे कार्यान्वित आहेत अशी माहिती दिली.

मा. आयुक्त यांनी अर्थांशित केले की, अमरावती शहराची हजेची गुणवत्ता सुधारण्याकरिता म.प्र.नि. मंडळाने दि. ०४/०५/२०१९ रोजी शासनाच्या विविध विभागांना दिलेल्या निर्देशाने अनुपालन अहवाल सादर करण्याकरिता विविध विभागांना सराणपत्र निर्गमित करावे जेणेकरून संस्थीत मूद्राबाबत कार्यवाही करून पुढील बैठकीमध्ये संस्थीत विभाग अनुपालन अहवाल सादर करतील.

Letter from Maharashtra Pollution Control Board, Regional Office Amravati for meeting to be held on regional level for effective implementation of National Clean Air Programme on 11th August 2020 at 4pm

मा. आयुक्त यांनी आदेशित केले की, आगच्या बैठकीस सदर समितीचे अनुपस्थित असलेल्या सदस्यांना बैठकीस अनुपस्थितोबाबत विचारणा करण्यात यावी.

मा. आयुक्त यांनी घरील घडौलेल्या विषयांवर त्वरीत योग्य ती अंमलबजावणी करण्यात यावी असे उपस्थितांना निर्देश दिले.

त्यानंतर सर्व उपस्थितांचे आभार माणून बैठक संपन्न झाली.



(नागेश शं. लोकेशकर)

प्रादेशिक अधिकारी अमरावती

तथा

सदस्य समित्य, वायू व हवा प्रदूषण

शहरस्तरीय समिती



आयुक्त, म. न. पा, अमरावती

तथा

अध्यक्ष, वायू व हवा कार्यक्रमा

शहरस्तरीय समिती

Signature page of the Letter from Maharashtra Pollution Control Board, Regional Office Amravati

Hands on Sample collection



Sampling at Commercial Station



Sampling at Commercial Station



Sampling at Commercial Station



Sampling at Residential Station



Sampling at Residential Station



Sampling at Residential Station



Sampling at Residential Station



Sampling at Residential Station



Sampling at Residential Station

Maharashtra Pollution Control Board, Continuous Ambient Air Quality Monitoring Stations (CAAQMS)

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

प्रादेशिक कार्यालय, अमरावती

फोन नं. : (०७२१)२५६३५९२
संकेतस्थळ: www.mpcb.gov.in
ईमेल-roamravati@mpcb.gov.in



सहकार सुरभी, बापटवाडी,
विवेकानंद कॉलनी,
पिन नं. ४४४६०६

जा. क्र. मप्रनि/प्राका/अम/ ५६६ /२०२१

दि. १७/०९/२०२१

प्रति,

प्राचार्य,

श्री. शिवाजी विज्ञान महाविद्यालय,
अमरावती.

विषय :- Contineous Ambient Air Quality Monitoring Stations (CAAQMS) उभारणी व कार्यान्वित करणेबाबत.

संदर्भ :- १) या कार्यालयाचे पत्र क्र. MPC/RO/AMT FT0123/2019, दि. १६/०५/२०१९.
२) आपले पत्र दिनांक २५/०१/२०२१.

महोदय,

उपरोक्त संदर्भात विषयानुसार सादर करण्यात येते की, महाराष्ट्र प्रदूषण नियंत्रण मंडळाने अमरावती शहरामधील हवेची गुणवत्ता तपासण्याकरीता Contineous Ambient Air Quality Monitoring Stations (CAAQMS) दोन ठिकाणी उभारणी करून कार्यान्वित करणे प्रस्तावित केलेले आहे. त्या अनुषंगाने आपले महाविद्यालयाच्या परिसरात त्यापैकी १ स्टेशन उभारून कार्यान्वित करणेकरीता उपरोक्त संदर्भिय पत्र क्र. १ अन्वये याबाबत नाहरकत देवून जागेची उपलब्धता करून देणेबाबत पत्र व्यवहार करण्यात आला होता (प्रत संलग्न).

आपले महाविद्यालय अमरावती शहर परिसरातील नामांकित शासकिय महाविद्यालय असून महाविद्यालयाचा परिसर प्रशस्त आहे. त्यामुळे आपल्या उपरोक्त संदर्भिय पत्र क्र. २ अन्वये आपण केलेल्या विनंतीनुसार आपल्या महाविद्यालयाच्या परिसरामध्ये Contineous Ambient Air Quality Monitoring Stations (CAAQMS) उभारणी व कार्यान्वित करणे प्रस्तावित करण्यात आले आहे.

महाराष्ट्र प्रदूषण नियंत्रण मंडळाने सादर CAAQMS उभारून कार्यान्वित करणे करीता शासकिय / निमशासकिय/ सौक्षणीक संस्थेची निवड करणेबाबत निर्देशित केलेले आहे. सादर स्टेशन उभारणी करीता १८ फुट x १८ फुट जागेची आवश्यकता असून बांधकामामधे फ्लॉडडेशन व असेम्बलड रूम इ. ची उभारणी केली जाईल. त्याअनुषंगाने आपले महाविद्यालयातील प्रकल्प समन्वयक श्री. व्ही. डी. घुटे सर यांचे समवेत परिसराची पाहणी करण्यात येवून आवारातील मुलींच्या वसतीगृहाच्या शेजारी असलेली खुली जागा योग्य असल्याचे निदर्शनास आलेले आहे. सादर स्टेशन उभारणी करणे व कार्यान्वित करणेकरीता म.प्र.नि. मंडळाने M/s. ENVEA India Pvt. Ltd., Navi Mumbai हि एजन्सी नियुक्त केलेली असून सादर एजन्सी म.प्र.नि. मंडळाचे वतीने स्टेशन उभारून कार्यान्वित करून चालविणार आहेत. सादर स्टेशन द्वारे शहरातील हवेची गुणवत्ता सातत्याने तपासण्यात येवून हवेतील प्रदूषकांचे प्रमाण नागरीकांना माहिती व अवलोकन करण्याकरीता मुख्य प्रवेश द्वारावर ०६ फुट x १२ फुट या आकाराचा डिस्टन्ट बोर्ड बसविण्यात येईल.

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Letter from Maharashtra Pollution Control Board, Regional Office, Amravati for Installation and Implementation of Continuous Ambient Air Quality Monitoring Stations

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सदर स्टेशन चालविष्याकरीता एजन्सी मार्फत १ इंजिनर कम ऑपरेटर व २ सुरक्षा रक्षक नेमण्यात येतील. सदर स्टेशन चालविष्याकरीता विद्युत कनेक्शन ची व्यवस्था एजन्सी मार्फत करण्यात येणार असून सदर एजन्सी महावितरण, अमरावती यांचेकडून विद्युत पूरवठा कनेक्शन प्राप्त करेल. सदर स्टेशन चालविष्ये करीता उपस्थित राहणा-या इंजिनर व सुरक्षा रक्षक यांना फक्त विष्याचे पाण्याची गरज असेल. त्या व्यतिरीक्त वॉश बेसीन अथवा टॉयलेट ची व्यवस्था स्टेशनचे अंतर्गत राहणार नाही. सदर जागा ही म.प्र.नि. मंडळाच्या / शासनाच्या उपक्रमाकरीता उपयोगात येत असल्याने तसेच सदर एजन्सी ही म.प्र.नि. मंडळातर्फे स्टेशन चालविष्यार असल्याने सदर जागेच्या भाड्याबाबत तरतुद नाही. म.प्र.नि. मंडळाने सदर एजन्सीला स्टेशन उभारणी करीता कार्यादेश प्रदान केलेला असून सदर स्टेशन उभारणी व त्यानुषंगाने येणारा खर्च एजन्सी मार्फत करण्यात येणार आहे.

सदर स्टेशनची जागा म.प्र.नि. मंडळाकरीता उपयोगात येणार असल्याने जागेबाबत तसेच स्टेशन कार्यान्वयनाबाबत श्री. शिवाजी विज्ञान महाविद्यालय व म.प्र.नि. मंडळ यांचेमधे संयुक्त Memorandum of understanding (MoU) करण्यास संमती आहे.

सबब आपणांस विनंती करण्यात येते की, सदर संत्रणेचा उपयोग नागरीकांना होणार असल्याने सदर यंत्रणेची उभारणी करण्यास जागा उपलब्ध करून देवून यंत्रणा उभारून चालविष्यास परवानगी देण्यात यावी.

सोबत:- वरिल प्रमाणे.

अफिला विश्वास
प्रदेशिक अधिकारी,
म.प्र.नि.मंडळ, अमरावती.

प्रत –


उप-प्रादेशिक अधिकारी, म.प्र.नि. मंडळ, अमरावती-१

Letter from Maharashtra Pollution Control Board, Regional Office, Amravati for Installation and Implementation of Continuous Ambient Air Quality Monitoring Stations

Appreciation Documents

Breast Cancer Awareness Week by Association of Surgeons, Amravati

ASSOCIATION OF SURGEONS, AMRAVATI



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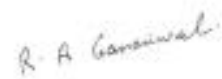
Date : 8th October 2016

To,
The Principal,
Shri Shivaji Science College,
Amravati


The Association of Surgeons, Amravati, appreciate you and your team for the efforts and sincerity for successfully participating in the **Breast Cancer Awareness Week** organized from 1st to 7th October 2016 in association with Dr.Panjabrao Deshmukh Memorial Medical College & Hospital. We are pleased to see the department accomplish the goals. We personally thank you for assisting the team and achieving the goals. The camp is concluded successfully with your help. We are aware about the hard work and dedication of your department have put in participating such a great event.

We sincerely appreciate the role of your Department of Environmental Science in successful organization and hope that we will keep up the good work in future also.

Sincerely Yours,



Dr Rajendra Ganeriwal
President
Association of Surgeons,
Amravati



Dr. Jayshree Ingole
Secretary
Association of
Surgeons, Amravati

Appreciation letter from Association of Surgeons, Amravati for successful participation in Breast Cancer Awareness Week from 1st to 7th October 2016 in association with Dr. Panjabrao Deshmukh Memorial Medical College and Hospital

Breast Cancer Awareness and Free Diagnostic Camp by Association of Surgeons, Amravati

ASSOCIATION OF SURGEONS, AMRAVATI



President
Dr. Rajendra R. Ganeriwal
Mob.9823005901

Secretary
Dr. Jayashree Patil-Ingole
Mob.9823224900

Date : 26th October 2015

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Senior Adevisory Member ▶
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+91 9422159840

Dr. Ravi Kasat
+91 9823180311

Dr. Narayan Umale
+91 9922445928

Dr. Rajiv Mulmule
+91 9881571672

To,
The Principal,
Shri Shivaji Science College,
Amravati

The Association of Surgeons, Amravati, appreciate you and your team for the efforts and sincerity for successfully participating in the **Breast Cancer Awareness & Free Diagnostic Camp** organized on **25th October 2015**. We are pleased to see the department accomplish the goals. We personally thank you for assisting the team and achieving the goals. The camp is concluded successfully with your help. We are aware about the hard work and dedication of your department have put in participating such a great event.

We sincerely appreciate the role of your Department of Environmental Science in successful organization and hope that we will keep up the good work in future also.

Sincerely Yours,

Dr. Rajendra Ganeriwal
President
Association of Surgeons,
Amravati

Dr. Jayashree Ingole
Secretary
Association of
Surgeons, Amravati

Appreciation letter from Association of Surgeons, Amravati for successful participation in Breast Cancer Awareness and Free Diagnostic Camp organized on 25th October 2015

The Public Forum on Breast Cancer Awareness Poster Exhibition organized by Association of Surgeons, Amravati

ASSOCIATION OF SURGEONS, AMRAVATI

President
Dr. Rajendra R. Ganeriwal
Mob.9823005901



Secretary
Dr. Jayashree Patil-Ingole
Mob.9823224900

Date : 29th October 2017

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Dr. Ravi Kasat
+91 9823180311

Dr. Narayan Umale
+91 9922445928

Dr. Rajiv Mulmule
+91 9881571672

To,
The Principal,
Shri Shivaji Science College,
Amravati

The Association of Surgeons, Amravati, appreciate you and your team for the efforts and sincerity for successfully participating in the **Public Forum on Breast Cancer Awareness & Poster Exhibition** organized on **29th October 2017**. We are pleased to see the department accomplish the goals. We personally thank you for assisting the team and achieving the goals. The camp is concluded successfully with your help. We are aware about the hard work and dedication of your department have put in participating such a great event.

We sincerely appreciate the role of your Department of Environmental Science in successful organization and hope that we will keep up the good work in future also.

Sincerely Yours,

R. A. Ganeriwal.

Dr Rajendra Ganeriwal
President
Association of Surgeons,
Amravati

Jayshree Ingole

Dr. Jayshree Ingole
Secretary
Association of
Surgeons, Amravati

Appreciation letter from Association of Surgeons, Amravati for successful participation in the Public Forum on Breast Cancer Awareness Poster Exhibition organized by Association of Surgeons, Amravati organized on 29th October 2017

Amravati Municipal Corporation, Amravati



Amaravati Municipal Corporation, Amaravati



No. Amc/Dymc/LBT/ 58 /21
Dt. 30 /11 /2021

Certificate of Recognition/Appreciation

To,

Principal,
Shri Shivaji Science College,
Amravati

Respected Sir,

According to Memorandum Of Understanding (MOU) of dated 14.09.2015 and 14.09.2018 set for term and understanding between Shri Shivaji Science College, Amravati, **Department of Environmental Science** and Amravati Municipal Corporation, Amravati to work in coordination on certain mentioned activities for betterment of environment and Institution Social Responsibility. AMC use air quality data provided by Department of Environmental Science for the annual report publication.

So, on behalf of the Amravati Municipal Corporation, Amravati we would like to thank and appreciated **Department of Environmental Science**, Shri Shivaji Science College, Amravati for providing analysis report of Air quality monitoring of Amravati City .

I appreciate the efforts of your team of Dept. of Environmental Science for successfully providing Air and Noise monitoring reading of Amravati City. I hope the same spirit of teamwork will continue in future programme too.

Anticipating your support in conducting similar Monitoring Program in future also.

Yours,

Deputy Commissioner (LBT)
Amravati Municipal Corporation,
Amravati

Appreciation letter from Amravati Municipal Corporation, Amravati for coordinating in betterment of environment and Institution Social Responsibility

News Cutting



अमरावती, बुधवार, २५ जुलै, २०१७

हजारपल्ले
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वृद्धीद्विती लवूज
१४, १० योगदानांचे
पुरस्कार स्वीकारले
अवकाश...
वृद्धीद्विती लवूज
१४, १० योगदानांचे
पुरस्कार स्वीकारले

वृद्धीद्विती लवूज
१४, १० योगदानांचे
पुरस्कार स्वीकारले
अवकाश...
वृद्धीद्विती लवूज
१४, १० योगदानांचे
पुरस्कार स्वीकारले

प्रदूषण | मनापा व 'शिवाजी सायन्स' च्या वार्षिक तपासणी अहवालातील वास्तव शहराला धूरकणाचा विळखा!

दिव्य मराठी डिव्हाईस
विशेषातून | अमरावती



शहराला धूरकणाचा विळखा! मनापा व 'शिवाजी सायन्स' च्या वार्षिक तपासणी अहवालातील वास्तव शहराला धूरकणाचा विळखा! मनापा व 'शिवाजी सायन्स' च्या वार्षिक तपासणी अहवालातील वास्तव शहराला धूरकणाचा विळखा!

पुरकणाचा आस्पाव
असा होतो धुरीणास
शहराचे वैशिष्ट्य
असा होतो धुरीणास



टोकणच्या तूर खरेदीसाठी शेतकऱ्यांचा 'चक्काजाम'
शेतकऱ्यांचा तूर खरेदीसाठी शेतकऱ्यांचा 'चक्काजाम' शेतकऱ्यांचा तूर खरेदीसाठी शेतकऱ्यांचा 'चक्काजाम' शेतकऱ्यांचा तूर खरेदीसाठी शेतकऱ्यांचा 'चक्काजाम'

झोपेमध्ये व्यत्यय नको म्हणून उपचार नाकारला

झोपेमध्ये व्यत्यय नको म्हणून उपचार नाकारला. व्यत्यय नको म्हणून उपचार नाकारला. व्यत्यय नको म्हणून उपचार नाकारला.

२ कोटीचे बोगस धनादेश; बडनेरात १३ जुगाऱ्यांना पकडले

२ कोटीचे बोगस धनादेश; बडनेरात १३ जुगाऱ्यांना पकडले. बडनेरात १३ जुगाऱ्यांना पकडले. बडनेरात १३ जुगाऱ्यांना पकडले.

यंदा दोन खेळांचा नत्याने समावेश

यंदा दोन खेळांचा नत्याने समावेश. यंदा दोन खेळांचा नत्याने समावेश. यंदा दोन खेळांचा नत्याने समावेश.

India's Biggest Fashion Event Fashionista Fashion & Lifestyle Exhibition TODAY LAST DAY 25 26 JULY Hotel Grand Menthri Finest Designers from all over India

अमरावती, मंगळवार, २२ सप्टेंबर २०१५

सकाळ अमरावती

TODAY

शहरातील ध्वनिप्रदूषणाचे विद्यार्थ्यांकडून नियंत्रण

प्रदूषण महामंडळ, शिवाजी कॉलेजचा संयुक्त उपक्रम

सकाळ वृत्तसेवा

अमरावती, ता. २१ : सण व उत्सवांच्या काळात वाढणारी ध्वनिप्रदूषणाची पातळी, त्याचे कारण, त्यातून निर्माण होणाऱ्या समस्यांचा अभ्यास करण्यासाठी शहरातील विद्यार्थ्यांनी आता मॉनिटरिंग सुरू केले. या उपक्रमांतर्गत शहरातील प्रमुख चौकांत जाऊन विद्यार्थ्यांची ही चमू ध्वनिप्रदूषणाचे सर्वेक्षण करणार आहे.

इतर महानगरांप्रमाणेच अमरावती शहराच्या लोकसंख्येतसुद्धा दिवसानुगुणिक वाढ होत आहे. शहराचा होणारा विस्तार पाहता प्रदूषणतसुद्धा वाढ झालेली आहे. सण व उत्सवांच्या काळात ढोल-ताशे, फटाके, बॅंगडपथक, ध्वनिक्षेपक आदींचा वापर मोठ्या प्रमाणावर करण्यात येत असल्याने ध्वनिप्रदूषणात कमालीची वाढ झालेली असते. वाढलेल्या ध्वनिप्रदूषणाचे सर्वेक्षण करण्यासाठी महाराष्ट्र राज्य प्रदूषण नियंत्रण महामंडळ, महाबळ तसेच श्री शिवाजी विज्ञान महाविद्यालयाच्या पर्यावरणशास्त्र विभागाकडून संयुक्तपणे हे अभियान शहरात राबविले जाणार आहे. गणेशोत्सवापासून प्रारंभ झालेली ही मोहीम नवरात्र तसेच दिवाळीअखेर सुरू राहणार आहे. नॉइस लेव्हल मीटरच्या साहाय्याने



येथे होणार मॉनिटरिंग

शहरातील गजबजलेल्या पंचवटी चौक, शेगावनाका, इर्विन चौक, जयस्तंभ चौक, राजकमल चौक, गांधी चौक, राजापेट, अमरावती बसस्थानकाचा परिसर, गर्ल्स हायस्कूल चौक, जिल्हाधिकारी कार्यालयाचा परिसर, कॅम्प परिसर आदी ठिकाणी नॉइस लेव्हल मीटरच्या साहाय्याने ध्वनिप्रदूषण मोजले जाणार आहे.

हे सर्वेक्षण करण्यात येणार असल्याची माहिती शिवाजी विज्ञान महाविद्यालयाच्या पर्यावरणशास्त्र विभागप्रमुख डॉ. संगीता इंगोले यांनी सकाळला दिली. या उपक्रमात प्रा. अरुणा काकडे, सावन येवतकर, श्रीकांत उल्हे, किरण जाधव यांसह अनेक विद्यार्थी सहभागी आहेत.



अमरावती : दर्यापूर तालुक्यातील लारसुरच्या पुरातन आनवेश्वर मंदिराच्या 'पद्धतीने छायाचित्रकार वैभव दलाल यांनी टिपलेली ही सु

मनपाच्या निवडणुका वॉर्ड प

एकसदस्यीय प्रणाली : फेब्रुवारी २०१७ मध्ये निवडणुका

News article on 'Control on Sound pollution by students' in Sakal newspaper on 22nd September 2015

Ambient Air Quality Monitoring

Ambient Air Quality

Analysis of Ambient Air Quality is mentioned according to the area mention in NAAQS as

- 1) Industrial area – Amravati MIDC
- 2) Residential area – Shri Shivaji Science College Amravati
- 3) Commercial area – Rajkamal Square Amravati

Sampling for RSPM / DAY

Type	Sampling time of per day (24 hrs)				
RSPM	6 am to 2pm	2pm to 10pm	10pm to 6am		
	8 hrs	8 hrs	8 hrs		
Sampling for NO _x and Sox µg/m ³ / DAY (24 hrs)					
Type	6 am to 10am	10am to 2pm	2pm to 6pm	6pm to 10pm	10pm to 6am
NO_x and Sox	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs

Details of Ambient Air Quality of Amravati

Year-wise Ambient Air Quality Monitoring Readings

2016

Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ January 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
5/01/2016	99	13	12
12/01/2016	107	12	11
19/01/2016	126	14	13
26/01/2016	130	13	12
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/01/2016	100	12	11
14/01/2016	99	11	10
21/01/2016	86	10	09
28/01/2016	91	09	08
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
2/01/2016	155	14	12
9/01/2016	145	13	12
16/01/2016	126	12	10
23/01/2016	166	15	13
30/01/2016	172	16	14
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ February 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
2/02/2016	109	12	11
9/02/2016	126	13	11
16/02/2016	107	11	09
23/02/2016	99	10	09
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
4/02/2016	100	10	09
11/02/2016	86	9	8
18/02/2016	107	11	10
25/02/2016	112	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
6/02/2016	145	13	11
13/02/2016	130	12	10
20/02/2016	165	14	12
27/02/2016	126	13	12
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ April 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/03/2016	110	11	10
08/03/2016	120	12	11

15/03/2016	119	11	10
22/03/2016	99	10	9
29/03/2016	116	11	10
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
01/03/2016	99	11	10
01/03/2016	106	12	10
01/03/2016	130	13	12
01/03/2016	89	11	09
01/03/2016	112	13	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/03/2016	130	12	11
12/03/2016	146	13	12
19/03/2016	155	12	11
26/03/2016	165	14	13
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ April 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/04/2016	120	12	11
12/04/2016	130	13	12
19/04/2016	107	11	10
26/04/2016	100	12	11
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/04/2016	107	11	10
14/04/2016	126	12	11
21/04/2016	130	11	10
28/04/2016	116	10	9
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
02/04/2016	135	13	12
09/04/2016	147	14	12
16/04/2016	126	11	11
23/04/2016	112	14	13
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ may 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/05/2016	119	13	12
10/05/2016	140	14	12
17/05/2016	108	12	11
24/05/2016	129	13	12

RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/05/2016	99	10	09
12/05/2016	107	11	10
19/05/2016	126	12	10
26/05/2016	130	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/05/2016	165	14	13
14/05/2016	170	14	12
21/05/2016	172	15	15
28/05/2016	169	16	14
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ june 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/06/2016	110	14	12
14/06/2016	126	13	11
21/06/2016	99	10	09
28/06/2016	86	09	08
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/06/2016	119	13	12
09/06/2016	106	12	11
16/06/2016	99	11	10
23/06/2016	77	09	08
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/06/2016	165	14	12
11/06/2016	156	13	11
18/06/2016	130	11	10
25/06/2016	126	10	09
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ july 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/07/2016	100	13	12
12/07/2016	84	14	13
19/07/2016	115	10	08
26/07/2016	96	12	11
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/07/2016	75	12	10
14/07/2016	70	14	12
21/07/2016	95	13	11
28/07/2016	92	11	09

COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
09/07/2016	106	14	12
16/07/2016	115	16	15
23/07/2016	120	18	16
30/07/2016	100	15	14
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ August 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
02/08/2016	110	15	14
09/08/2016	120	14	12
16/08/2016	107	13	11
23/08/2016	96	11	10
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
04/08/2016	100	12	10
11/08/2016	107	13	12
18/08/2016	110	10	09
25/08/2016	88	15	13
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
06/08/2016	125	14	13
13/08/2016	116	16	14
20/08/2016	100	13	12
27/08/2016	107	14	13
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ September 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/09/2016	115	14	13
13/09/2016	125	16	14
20/09/2016	108	17	16
27/09/2016	96	15	13
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
08/09/2016	105	13	12
15/09/2016	97	12	10
22/09/2016	85	14	13
29/09/2016	100	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
03/09/2016	135	14	13
10/09/2016	120	16	14
17/09/2016	119	18	17

24/09/2016	107	17	16
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ October 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/10/2016	96	14	13
11/10/2016	107	16	14
18/10/2016	115	17	16
25/10/2016	120	18	17
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
06/10/2016	115	14	13
13/10/2016	100	15	14
20/10/2016	96	13	11
27/10/2016	107	14	13
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
08/10/2016	140	18	17
15/10/2016	126	20	18
22/10/2016	135	17	16
29/10/2016	106	18	17
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ November 2016			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/11/2016	116	17	16
08/11/2016	109	16	14
15/11/2016	99	18	17
22/11/2016	115	15	14
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
03/11/2016	96	15	10
10/11/2016	88	14	12
17/11/2016	100	13	12
24/11/2016	108	15	13
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/11/2016	120	18	17
12/11/2016	135	21	19
19/11/2016	119	24	23
26/11/2016	125	19	18
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ December 2016			

Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/12/2016	120	14	13
13/12/2016	116	16	15
20/12/2016	100	14	12
27/12/2016	106	15	13
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
01/12/2016	100	10	09
08/12/2016	76	09	08
15/12/2016	116	14	12
22/12/2016	100	11	10
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
03/12/2016	155	17	16
10/12/2016	137	20	18
17/12/2016	160	22	21
27/12/2016	125	19	16

2017

Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ January 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/01/2017	100	15	14
10/01/2017	110	18	16
17/01/2017	130	22	20
24/01/2017	106	25	24
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/01/2017	99	14	13
12/01/2017	107	16	16
19/01/2017	110	18	17
26/01/2017	100	10	10
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/01/2017	125	18	17
14/01/2017	147	20	19
21/01/2017	140	22	20
28/10/2017	155	26	2401/
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ February 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/02/2017	107	14	13
14/02/2017	120	16	14
21/02/2017	136	13	12
28/02/2017	110	18	16
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/02/2017	106	14	13
09/02/2017	114	14	12
16/02/2017	100	13	11
23/02/2017	118	16	15
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/02/2017	130	16	15
11/02/2017	145	15	14
18/02/2017	160	20	19
25/02/2017	155	22	20
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ March 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/03/2017	114	16	15
14/03/2017	125	14	14

21/03/2017	110	10	10
28/03/2017	100	13	12
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
09/03/2017	86	12	10
16/03/2017	117	16	14
23/03/2017	131	16	15
30/03/2017	120	14	12
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
11/03/2017	140	18	17
18/03/2017	165	24	22
25/03/2017	130	20	18
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ April 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/04/2017	140	16	15
11/04/2017	155	18	17
18/04/2017	129	15	14
25/04/2017	160	18	18
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
06/04/2017	100	10	09
13/04/2017	105	12	11
20/04/2017	120	15	13
27/04/2017	125	15	14
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
08/04/2017	155	15	14
15/04/2017	146	16	15
22/04/2017	160	18	17
29/04/2017	168	22	20
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ may 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
02/05/2017	135	16	15
09/05/2017	155	20	19
16/05/2017	145	18	17
23/05/2017	165	20	19

RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
04/05/2017	110	12	11
11/05/2017	125	14	13
18/05/2017	138	16	15
25/05/2017	128	28	17
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
06/05/2017	145	20	18
13/05/2017	165	22	20
20/05/2017	170	30	29
27/05/2017	182	28	27
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ june 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/06/2017	130	18	17
13/06/2017	125	16	15
20/06/2017	110	20	18
27/06/2017	120	18	17
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
08/06/2017	120	18	17
15/06/2017	119	20	19
22/06/2017	110	17	16
29/06/2017	100	16	15
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
10/06/2017	155	20	18
17/06/2017	130	22	20
24/06/2017	125	18	17
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ july 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/07/2017	110	20	19
11/07/2017	108	19	18
18/07/2017	125	18	17
25/07/2017	110	20	18
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
06/07/2017	100	18	17
13/07/2017	108	16	15
20/07/2017	110	18	17
27/07/2017	120	20	18

COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
08/07/2017	125	20	19
15/07/2017	130	25	24
22/07/2017	120	22	21
29/07/2017	135	24	23
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ August 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/08/2017	125	22	21
08/08/2017	120	22	21
22/08/2017	110	20	19
29/08/2017	115	18	17
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
03/08/2017	110	18	17
10/08/2017	109	20	19
17/08/2017	115	18	17
24/08/2017	100	16	15
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/08/2017	110	26	25
12/08/2017	130	22	20
19/08/2017	125	24	22
26/08/2017	135	22	21
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ September 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/09/2017	127	20	19
12/09/2017	130	22	21
19/09/2017	115	18	17
26/09/2017	125	20	18
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/09/2017	105	17	17
14/09/2017	110	18	17
21/09/2017	115	20	18
28/09/2017	108	18	17
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
09/09/2017	125	20	19
16/09/2017	140	22	20
23/09/2017	135	24	22

30/09/2017	100	20	18
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ October 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/10/2017	100	21	20
10/10/2017	115	18	17
17/10/2017	155	26	25
24/10/2017	120	20	21
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/10/2017	100	18	17
12/10/2017	115	22	21
19/10/2017	150	28	27
26/10/2017	120	22	21
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/10/2017	132	24	23
14/10/2017	146	26	25
21/10/2017	175	35	34
28/10/2017	155	30	30
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ November 2017			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/11/2017	118	20	19
14/11/2017	126	24	23
21/11/2017	120	26	25
28/11/2017	135	28	27
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/11/2017	100	18	16
09/11/2017	116	21	20
16/11/2017	120	20	19
23/11/2017	128	22	21
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/11/2017	128	22	20
11/11/2017	136	24	23
18/11/2017	155	28	27
25/11/2017	160	24	23
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ December 2017			

Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/12/2017	100	20	21
12/12/2017	118	23	22
19/12/2017	128	22	21
26/12/2017	135	24	23
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/12/2017	99	16	15
14/12/2017	116	18	17
21/12/2017	119	22	21
28/12/2017	128	20	19
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
09/12/2017	126	20	21
16/12/2017	130	24	23
23/12/2017	144	22	21
30/12/2017	156	24	23

2018

Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ January 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
02/01/2018	110	16	15
09/01/2018	125	20	18
16/01/2018	130	22	21
23/01/2018	135	27	26
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
04/01/2018	125	16	15
11/01/2018	130	18	17
18/01/2018	120	14	13
25/01/2018	130	20	18
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
06/01/2018	140	18	17
13/01/2018	135	22	20
20/01/2018	155	26	24
27/01/2018	160	28	27
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ February 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/02/2018	120	18	17
10/02/2018	141	20	19
20/02/2018	110	18	17
27/02/2018	125	16	15
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
01/02/2018	110	18	17
08/02/2018	125	16	14
15/02/2018	137	20	19
22/02/2018	100	14	13
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
03/02/2018	135	18	17
10/02/2018	140	16	14
17/02/2018	165	22	21
24/02/2018	155	24	23
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ march 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/03/2018	125	20	21
13/03/2018	140	22	20

20/03/2018	125	18	17
27/03/2018	120	18	17
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
08/03/2018	127	18	17
15/03/2018	135	18	16
22/03/2018	128	16	15
21/03/2018	129	14	13
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
10/03/2018	140	18	17
17/03/2018	155	20	21
24/03/2018	160	26	25
31/03/2018	145	24	23
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ April 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/04/2018	129	30	29
10/04/2018	150	28	27
17/04/2018	165	24	23
24/04/2018	165	28	27
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/04/2018	140	22	21
12/04/2018	160	22	21
19/04/2018	175	27	26
26/04/2018	155	28	27
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/04/2018	155	30	29
14/04/2018	165	27	36
21/04/2018	177	28	24
28/04/2018	168	35	34
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ may 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/05/2018	113	14	12
08/05/2018	98	14	13
15/05/2018	109	15	14
22/05/2018	117	12	11

RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
03/05/2018	86	15	13
10/05/2018	95	14	13
17/05/2018	58	14	13
24/05/2018	73	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/05/2018	157	17	15
12/05/2018	124	13	12
19/05/2018	149	16	14
26/05/2018	135	15	13
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ june 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/06/2018	156	16	15
10/06/2018	103	13	11
17/06/2018	125	14	13
24/06/2018	145	15	14
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/06/2018	57	13	12
12/06/2018	83	15	13
19/06/2018	97	11	10
26/06/2018	81	14	13
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/06/2018	137	15	14
14/06/2018	118	12	10
21/06/2018	130	15	14
28/06/2018	105	12	11
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ july 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/07/2018	95	12	11
14/07/2018	105	14	13
21/07/2018	115	13	11
28/07/2018	72	10	09
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
08/07/2018	105	12	10
15/07/2018	80	10	09
22/07/2018	112	13	12
29/07/2018	72	09	08

COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/07/2018	100	13	11
11/07/2018	90	11	10
18/07/2018	116	14	13
25/07/2018	105	12	11
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ August 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/08/2018	102	12	11
14/08/2018	70	10	09
21/08/2018	104	11	10
28/08/2018	87	09	08
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/08/2018	102	15	13
09/08/2018	64	10	09
16/08/2018	56	12	11
23/08/2018	88	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/08/2018	85	10	09
11/08/2018	72	09	08
18/08/2018	54	11	10
25/08/2018	109	13	11
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ September 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/09/2018	105	14	12
11/09/2018	129	11	11
18/09/2018	98	10	09
25/09/2018	100	15	08
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/09/2018	105	11	10
12/09/2018	99	10	08
19/09/2018	52	09	13
26/09/2018	84	15	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
01/09/2018	120	14	13
08/09/2018	100	11	09
15/09/2018	135	15	14

22/09/2018	105	12	10
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ October 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
02/10/2018	107	13	12
09/10/2018	119	12	10
16/10/2018	99	10	11
23/10/2018	86	09	08
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
04/10/2018	109	10	09
11/10/2018	117	11	10
18/10/2018	96	09	08
25/10/2018	100	10	09
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
06/10/2018	165	16	15
13/10/2018	150	14	13
20/10/2018	130	13	12
27/10/2018	136	12	11
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ November 2018			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/11/2018	145	25	24
13/11/2018	127	30	28
20/11/2018	150	35	34
27/11/2018	140	28	27
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
08/11/2018	140	30	29
15/11/2018	127	36	34
22/11/2018	138	28	27
29/11/2018	155	32	30
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
03/11/2018	177	38	37
10/11/2018	200	57	47
17/11/2018	189	48	46
24/11/2018	183	40	39
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ December 2018			

Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/12/2018	140	27	25
11/12/2018	132	36	34
18/12/2018	142	28	27
25/12/2018	155	30	28
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
06/12/2018	142	32	30
13/12/2018	145	38	35
20/12/2018	156	40	39
27/12/2018	138	41	40
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
08/12/2018	165	38	37
15/12/2018	188	50	49
22/12/2018	175	48	46
29/12/2018	180	40	39

2019

Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ January 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/01/2019	95	17	14
08/01/2019	114	17	16
15/01/2019	105	16	14
22/01/2019	106	15	13
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
03/01/2019	88	12	11
10/01/2019	74	12	11
17/01/2019	93	10	08
24/01/2019	64	11	10
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/01/2019	128	16	12
12/01/2019	154	16	13
19/01/2019	163	15	14
26/01/2019	142	12	11
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ February 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
02/02/2019	114	13	12
12/02/2019	99	14	12
19/02/2019	117	13	14
26/02/2019	105	11	10
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/02/2019	77	12	10
14/02/2019	52	10	11
21/02/2019	62	14	13
28/02/2019	55	13	12
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
02/02/2019	140	13	12
09/02/2019	145	12	11
16/02/2019	117	14	13
23/02/2019	152	15	11
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ march 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/03/2019	113	12	09
12/03/2019	99	14	13

19/03/2019	106	12	12
26/03/2019	100	15	14
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/03/2019	84	15	12
14/03/2019	95	14	13
21/03/2019	58	14	13
28/03/2019	73	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
02/03/2019	156	14	15
09/03/2019	126	13	12
16/03/2019	149	16	14
23/03/2019	135	15	13
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ April 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
02/04/2019	152	15	14
09/04/2019	101	16	15
16/04/2019	125	13	11
30/04/2019	144	16	13
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
04/04/2019	45	11	12
11/04/2019	82	14	10
18/04/2019	96	15	13
25/04/2019	84	12	10
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
06/04/2019	134	12	10
13/04/2019	118	15	14
20/04/2019	130	12	10
27/04/2019	152	17	18
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ may 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/05/2019	119	13	12
14/05/2019	140	14	12
21/05/2019	84	12	10
28/05/2019	79	10	09

RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
09/05/2019	107	11	10
16/05/2019	116	10	09
23/05/2019	126	12	11
30/05/2019	130	11	10
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/05/2019	126	11	11
11/05/2019	112	14	13
18/05/2019	135	13	12
25/05/2019	114	16	15
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ june 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/06/2019	100	12	11
11/06/2019	84	14	13
18/06/2019	115	1	08
25/06/2019	96	13	11
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
06/06/2019	75	12	11
13/06/2019	70	14	12
20/06/2019	95	13	11
27/06/2019	92	11	09
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
08/06/2019	163	13	11
15/06/2019	126	10	09
22/06/2019	156	13	11
29/06/2019	144	12	10
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ july 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
02/07/2019	110	16	15
09/07/2019	125	20	18
16/07/2019	130	22	21
23/07/2019	135	27	26
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
04/07/2019	125	16	15
11/07/2019	130	18	17
18/07/2019	120	14	13
25/07/2019	130	20	18

COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
06/07/2019	140	18	17
13/07/2019	135	22	20
20/07/2019	155	26	24
21/07/2019	160	26	27
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ August 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/08/2019	120	18	17
13/08/2019	141	20	19
20/08/2019	110	18	17
27/08/2019	125	18	16
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
01/08/2019	110	18	17
08/08/2019	125	16	14
15/08/2019	137	20	19
22/08/2019	100	14	15
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
03/08/2019	135	18	17
10/08/2019	140	16	14
17/08/2019	165	22	21
24/08/2019	155	24	23
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ September 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/09/2019	125	20	21
10/09/2019	140	22	20
17/09/2019	125	18	17
24/09/2019	120	17	16
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/09/2019	127	18	17
12/09/2019	135	18	16
19/09/2019	128	16	15
26/09/2019	129	14	13
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/09/2019	140	18	17
14/09/2019	155	20	21
21/09/2019	160	26	25

28/09/2019	145	24	23
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ October 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/10/2019	129	30	29
08/10/2019	150	28	27
15/10/2019	165	24	23
22/10/2019	165	28	27
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
03/10/2019	145	22	21
10/10/2019	160	22	21
17/10/2019	175	27	26
24/10/2019	155	28	27
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/10/2019	155	30	29
12/10/2019	165	27	26
19/10/2019	177	28	24
26/10/2019	168	34	33
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ November 2019			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/11/2019	100	15	14
12/11/2019	110	18	16
19/11/2019	130	22	20
26/11/2019	106	25	24
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/11/2019	99	14	13
14/11/2019	107	16	15
21/11/2019	110	18	17
28/11/2019	100	10	10
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
02/11/2019	125	18	17
09/11/2019	147	20	19
16/11/2019	140	22	20
23/11/2019	155	26	25
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ December 2019			

Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/12/2019	107	14	13
10/12/2019	120	16	14
17/12/2019	136	13	12
24/12/2019	101	18	16
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/12/2019	106	14	13
12/12/2019	114	14	12
19/12/2019	100	13	11
26/12/2019	118	16	15
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/12/2019	130	16	15
14/12/2019	145	15	14
21/12/2019	160	20	19
28/12/2019	155	22	20

2020

Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ January 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/01/2020	114	16	15
14/01/2020	125	14	14
21/01/2020	110	10	10
28/01/2020	100	13	12
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/01/2020	86	12	10
09/01/2020	117	16	14
16/01/2020	131	16	15
23/01/2020	120	14	12
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/01/2020	140	18	17
11/01/2020	165	24	22
18/01/2020	130	20	18
25/01/2020	145	20	19
30/01/2020			
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ February 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/02/2020	118	15	14
11/02/2020	112	13	13
18/02/2020	114	12	11
25/02/2020	126	13	12
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
06/02/2020	105	12	10
13/02/2020	199	12	11
20/02/2020	107	13	12
27/02/2020	112	17	15
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
01/02/2020	110	17	16
08/02/2020	112	16	15
15/02/2020	113	16	14
22/02/2020	112	20	19
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ march 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/03/2020	110	14	13
10/03/2020	114	15	13

RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/03/2020	94	11	12
12/03/2020	83	13	10
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/03/2020	105	14	13
14/03/2020	98	14	12
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ April 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/04/2020			
14/04/2020			
21/04/2020			
28/04/2020			
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/04/2020			
09/04/2020			
16/04/2020			
23/04/2020			
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/04/2020			
11/04/2020			
18/04/2020			
25/04/2020			
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ may 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/05/2020			
10/05/2020			
17/05/2020			
24/05/2020			

RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/05/2020			
12/05/2020			
19/05/2020			
26/05/2020			
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/05/2020			
14/05/2020			
21/05/2020			
28/05/2020			
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ june 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/06/2020			
14/06/2020			
21/06/2020			
28/06/2020			
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/06/2020			
09/06/2020			
16/06/2020			
23/06/2020			
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/06/2020			
11/06/2020			
18/06/2020			
25/06/2020			
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ july 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/07/2020	54	14	13
14/07/2020	56	13	11
21/07/2020	76	10	09
28/07/2020	70	12	11
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/07/2020	20	09	08
09/07/2020	25	12	10
16/07/2020	22	11	10
23/07/2020	28	13	12

COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/07/2020	44	15	14
11/07/2020	48	17	15
18/07/2020	35	16	15
25/07/2020	55	15	14
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ August 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/08/2020	70	12	11
11/08/2020	59	14	12
18/08/2020	66	11	10
25/08/2020	79	10	09
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
06/08/2020	35	10	09
13/08/2020	52	12	11
20/08/2020	45	09	08
27/08/2020	44	10	09
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
01/08/2020	41	15	13
08/08/2020	38	13	12
15/08/2020	65	12	11
22/08/2020	60	16	15
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ September 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/09/2020	45	12	11
08/09/2020	84	11	10
15/09/2020	66	13	11
22/09/2020	78	10	09
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
03/09/2020	57	13	12
10/09/2020	32	14	13
17/09/2020	58	10	08
24/09/2020	45	09	08
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/09/2020	50	13	11
12/09/2020	61	12	10
19/09/2020	45	11	11

26/09/2020	35	10	09
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ October 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/10/2020	94	13	11
13/10/2020	79	12	11
20/10/2020	89	11	10
27/10/2020	80	13	12
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
01/10/2020	40	11	10
08/10/2020	58	12	11
15/10/2020	34	11	09
22/10/2020	37	17	06
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
03/10/2020	70	13	12
10/10/2020	65	15	13
17/10/2020	55	12	11
24/10/2020	61	13	12
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ November 2020			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/11/2020	77	13	12
10/11/2020	84	14	12
17/11/2020	70	15	13
24/11/2020	65	10	09
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/11/2020	30	14	12
12/11/2020	39	15	14
19/11/2020	26	12	11
26/11/2020	29	15	14
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/11/2020	65	13	12
14/11/2020	45	14	13
21/11/2020	35	16	14
28/11/2020	66	14	13
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ December 2020			

Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/12/2020	60	13	11
08/12/2020	72	16	14
15/12/2020	59	15	16
22/12/2020	65	14	13
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
03/12/2020	20	12	10
10/12/2020	22	14	13
17/12/2020	32	13	12
24/12/2020	35	10	09
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/12/2020	45	13	12
12/12/2020	55	15	13
19/12/2020	60	17	16
26/12/2020	50	14	13

2021

Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ January 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/01/2021	66	14	13
12/01/2021	45	16	14
19/01/2021	75	13	12
26/01/2021	65	18	16
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/01/2021	35	14	13
14/01/2021	45	14	12
21/01/2021	25	12	11
28/01/2021	44	16	14
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
2/01/2021	60	16	15
9/01/2021	55	15	14
16/01/2021	62	20	19
23/01/2021	65	22	20
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ February 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
2/02/2021			
9/02/2021			
16/02/2021			
23/02/2021			
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
4/02/2021			
11/02/2021			
18/02/2021			
25/02/2021			
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
6/02/2021			
13/02/2021			
20/02/2021			
27/02/2021			
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ march 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/03/2021			
08/03/2021			

15/03/2021			
22/03/2021			
29/03/2021			
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
01/03/2021			
01/03/2021			
01/03/2021			
01/03/2021			
01/03/2021			
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/03/2021			
12/03/2021			
19/03/2021			
26/03/2021			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ April 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/04/2021			
12/04/2021			
19/04/2021			
26/04/2021			
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/04/2021			
14/04/2021			
21/04/2021			
28/04/2021			
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
02/04/2021			
09/04/2021			
16/04/2021			
23/04/2021			
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ may 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
03/05/2021			
10/05/2021			
17/05/2021			
24/05/2021			

RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
05/05/2021			
12/05/2021			
19/05/2021			
26/05/2021			
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
07/05/2021			
14/05/2021			
21/05/2021			
28/05/2021			
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ june 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
07/06/2021	65	14	13
14/06/2021	50	16	14
21/06/2021	65	13	12
28/06/2021	80	18	16
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
02/06/2021	45	12	13
09/06/2021	24	15	13
16/06/2021	30	13	11
23/06/2021	36	16	15
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
04/06/2021	60	18	16
11/06/2021	46	16	15
18/06/2021	52	20	18
25/06/2021	61	23	20
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ july 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
05/07/2021	100	15	14
12/07/2021	75	13	13
19/07/2021	66	12	11
26/07/2021	71	13	12
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
07/07/2021	32	12	10
14/07/2021	28	12	11
21/07/2021	24	13	12
28/07/2021	20	17	15

COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
09/07/2021	45	16	14
16/07/2021	60	16	15
23/07/2021	62	17	15
30/07/2021	58	20	19
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ August 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
02/08/2021	87	14	13
09/08/2021	77	15	13
16/08/2021	80	11	10
23/08/2021	70	11	10
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
04/08/2021	29	11	10
11/08/2021	20	13	11
18/08/2021	31	12	10
25/08/2021	34	13	12
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
06/08/2021	68	14	13
13/08/2021	60	14	13
20/08/2021	58	11	10
27/08/2021	55	15	14
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ September 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/09/2021	74	13	12
13/09/2021	82	14	12
20/09/2021	55	12	11
27/09/2021	60	13	12
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
08/09/2021	20	10	09
15/09/2021	24	11	10
22/09/2021	28	12	10
29/09/2021	30	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
03/09/2021	61	14	13
10/09/2021	68	14	12
17/09/2021	55	15	15

24/09/2021	60	16	14
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ October 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
04/10/2021	71	13	12
11/10/2021	80	10	09
18/10/2021	78	11	10
25/10/2021	81	10	13
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
06/10/2021	34	14	13
13/10/2021	28	12	11
20/10/2021	30	10	09
27/10/2021	22	11	10
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
08/10/2021	45	16	15
15/10/2021	56	14	13
22/10/2021	58	15	14
29/10/2021	62	12	10
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ November 2021			
Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
01/11/2021	68	14	13
08/11/2021	70	16	15
15/11/2021	74	12	11
22/11/2021	80	13	12
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
03/11/2021	22	15	14
10/11/2021	26	13	12
17/11/2021	30	12	11
24/11/2021	32	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
05/11/2021	62	17	16
12/11/2021	64	16	16
19/11/2021	60	14	15
26/11/2021	55	14	13
Frequency – one day in week			
Average concentration of RSPM, NOx and Sox $\mu\text{g}/\text{m}^3$ December 2021			

Date	RSPM	NOx	Sox
INDUSTRIAL AREA – MIDC, AMRAVATI			
06/12/2021	71	15	14
13/12/2021	74	13	12
20/12/2021	66	12	11
27/12/2021	68	11	10
RESIDENTIAL AREA – SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
01/12/2021	21	10	9
08/12/2021	28	12	11
15/12/2021	32	14	12
22/12/2021	37	12	11
COMMERCIAL AREA – RAJKAMAL SQUARE AMRAVATI			
03/12/2021	65	17	15
10/12/2021	70	16	14
17/12/2021	72	14	13
27/12/2021	55	12	10

Ph.D. students working on Air Quality under Dr. Sangita Ingole

Shri Shivaji Science College, Amravati

Department of Environmental Science

D) Year wise Ph.D. Admitted Student List

Name of Supervisor - Dr. S. P. Ingole

Sr. No.	Student Name	Year	Research Topics	Registration No.	Status
1.	Ku. Manisha A. Jane	2012	"Environmental Impact Assessment of Air Quality in Amravati District, Maharashtra (India)"	SGBAU/Ph.D./ENV.SCI/5423/2012 w.e.f. 15.01.2012 File No.-5423	Awarded (2018)
4.	Ku. Vaishali D. Deshmukh	2015	"Seasonal Assessment of Airborne Bacteria and Fungi, in an Indoor and Outdoor School Environment and its Relation to Allergic Diseases among Children from Amravati city"	SGBAU/Ph.D./Environmental Sci/7378/2015w.e.f. 15.01.2015 File No.-7378	Awarded (2021)
5	Ms. Abhijit Ingole	2019	"To Study the impact of Air Pollution on segments of Environment by using GIS and Remote Sensing Technique in Vidarbha Region"		RRC awaited


Dr. S.P. Ingole
 Head
 Dept. Of Environmental Science
 Shri Shivaji Science College,
 Amravati.

List of Ph.D. students admitted year wise under supervision of Dr. S.P. Ingole

IQAC NEWS Letters

The college believes that publishing a regular newsletter bi-annually and maintaining regular contact with the stakeholders is important to keep pace with the competitive world. Keeping the stakeholders informed about developments ensures that they are aware of the college reputation as an innovative, committed and dedicated institution. Reviewing the college activities indicates that the college administration has a proper understanding of the challenges and opportunities facing its stakeholders.

As relaying information is one of the basic aims of any newsletter, the 'IQAC Newsletter' aims to pursue this objective by conveying to its readers the recent achievements and milestones of the college, upcoming special events, policy changes, and a variety of other facts that the internal readers may have a need or desire to know. The external readers will be acquainted with the notable developments in the college resulting in enhancing the overall image of the college among the society. As it is an authoritative document of the college, it provides a genuine platform to disseminate all the important information related to the college.

Keeping in mind the aforementioned objectives, the IQAC took a firm initiative to devise a communication tool of the college for better and effective communication. Thus, the college IQAC has been publishing the IQAC Newsletter bi-annually in print since January, 2014. These issues are published in the months of January and June.

The dynamic IQAC of the college collects data of the important events and activities carried out by various departments of the institution on regular basis. After its compilation, the Editorial Board of the IQAC Newsletter edits the data and the important events and programmes are sorted out for publication.

The newsletters are regularly distributed among the college staff and the students and are displayed on the Notice Boards of the college. These are also distributed to the various departments of the University, educational institutes, educationists, academicians, Executive Members and life-members of Shri Shivaji Education Society, and the guests visiting the college. On-line availability of the IQAC Newsletter on the college website has increased the newsletter's reach and helped establish leads in and around the region.

To help improve the performance of the workforce, the IQAC Newsletter serves as an important tool that can keep the stakeholders in the loop on the college policies, academic, co-curricular and extra-curricular, and outreach activities, services, social and cultural events, best practices and other news. It also helps the stakeholders improve their self-esteem and make them more motivated to get engaged in the college activities.

Following are the sequentially arranged IQAC Newsletters from 2014: -

January – June 2014



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
 NAAC Accredited 'A' Grade (Very Good) with CGPA 3.10
 College with Potential for Excellence



Vol 1 . Issue 1
January - June 2014

IQAC NEWSLETTER

Two-Day National Level Workshop on PCR, RFLP and Primer Designing




The Department of Botany and the Central Instrumentation Cell, in association with Cistron Integrated Systems, Mumbai organized a Two-Day National Workshop on PCR, RFLP and Primer Designing on February 22-23, 2014. The main objective of this workshop was to train upcoming faculties, researchers and post graduate students in modern tools of Biotechnology. The workshop included hands-on training on PCR, RFLP and Primer Designing. The different aspects covered during the work shop were introduction to PCR technology, loading of Genomic DNA, performing RFLP, analysis of Agarose Gel, restriction digestion, analysis of RFLP gel and Insilco Primer Designing. The resource persons were Mr. Mandar Karkhanis, Managing Director, Cistron Integrated Systems, Mumbai, Dr. Debarshi Dey, Post-doctoral Fellow, Cistron Integrated Systems, Mumbai, Ms. Reshma Turbekar, Research Consultant, Cistron Integrated Systems, Mumbai, Dr. Prashant Gawande, Asst. Prof. in Botany, SGBAU Amravati, who shared their expertise in different areas of the theme of the workshop. In all 27 participants from all over India participated in the workshop. Hands-on training of the PCR acquainted the participants with the advanced tools of Biotechnology. The knowledge of RFLP (Restriction Fragment Length Polymorphism) was effectively imparted to all the participants through practical session. Online Primer designing demonstration facilitates the participants to carry out or advance their research in this area. The valedictory function was conducted with the presence of Dr. S. R. Manik, as the Chief Guest whereas Dr. V. R. Deshmukh, Chairman, BoS of Botany, SGBAU, Amravati and Prof. M. Ali, Advisor CIC, graced the occasion with their presence. Prof. L. N. Gawande, the Vice Principal of the college chaired the function.

Two-Day National Level Laboratory Workshop on Physics for UG Teachers




A Two-Day National Level Laboratory Workshop on Physics for UG Teachers was organized on June 27-28, 2014 in collaboration with Indian Association of Physics Teachers' (IAPT) Regional Council and Amravati University Physics Teachers' Association (AUPTA) which was sponsored by UGC, New Delhi. The workshop was inaugurated at the hands of Dr. Rajesh Khaparde, Reader, Homi Bhabha Centre for Science Education, TIFR, Mumbai, on June 27, 2014 under the chairmanship of Adv. Arunbhai B. Shelke, President, Shri Shivaji Education Society, Amravati with the august presence of Dr. F. C. Raghuwanshi, Dean, Faculty of Science, SGB Amravati University Amravati, Principal, Dr. V. G. Thakare and Prof. L. N. Gawande, Head and Convener. In the technical session followed by the inaugural,

Shri Shivaji Science College, Amravati/SSR/

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Dr. Rajesh Khaparde illustrated the current scenario of Physics Laboratory education in Indian Universities and how innovations can be brought in for improvement while keeping the ground reality in mind. He also demonstrated some innovative experiments before the teacher participants.

In the second session the participants performed the experiments in the laboratory that included the experiments from almost all areas of Physics, namely Mechanics, Heat and Thermodynamics, Waves, Optics, Solid State Physics, Electronics, Nuclear Physics, etc. Most of our experiments in the workshop were designed in such a way that any teacher can easily assemble and set them up at a very low cost. On the second day Dr. V. V. Soman, National Coordinator, NCIEP, encouraged the teachers to setup the innovative experiments and participate in the NCIEP during his talk. In this session participants had hands-on experience over laboratory experiments. In all 63 teachers from five different universities participated in the workshop.

Regional Level One-Day IQAC Workshop

A One-Day IQAC workshop on preparation of SSR was organized by the college IQAC for the colleges of the parent society on March 23, 2014. There were 52 participants including principals and IQAC coordinators of 19 colleges of all faculties covering Medical, Engineering and Education. The workshop was inaugurated at the hands of Adv. Arunbhai B. Shelke, President, Shri Shivaji Education Society, Amravati, with Dr. V. S. Jamode as the guest of honour on the occasion. The workshop comprised seven sessions based on the seven criterions of the SSR which were elaborated upon by the IQAC members namely Dr. S. P. Ingole, Dr. W. S. Barde, Dr. P. W. Deotare, Dr. P. R. Padole, Dr. G. A. Wagh, Dr. H. S. Lunge and the



IQAC coordinator Prof. Murtuza Ali respectively. An interactive discussion on the various difficulties that arise while writing an SSR proved to be the highlight of the last session. The secretary of the parent education society Prof. V. G. Bhamburkar and Principal Dr. V.G. Thakare were also present and shared their views and experiences during the discussion.

Principal's Workshop

Principal's Workshop on "Academic, Administrative and Financial Management", was organized by Dr. Panjabrao Deshmukh Human Resource Development and Training Centre, Shri Shivaji Education Society, Amravati in collaboration with Shri Shivaji Science College, Amravati.

The inauguration was held at the hands of Adv. A.B. Shelke, President, Shri Shivaji Education Society, Amravati, in august presence of executive members of the society. Dr. V. S. Jamode, Director, Higher Education section, of the Society introduced the theme of the workshop. There were three sessions comprising of, 'Quality Enhancement in Academic Matters in higher Education' by Prof. V. G. Bhamburkar, Secretary, Shri Shivaji Education Society, Amravati. In the second session, Principal Dr. V.G. Thakare, elaborates the topic 'Administrative and Financial Management of the Colleges', in view of UGC's XII plan. The interactive session was held on the issues and difficulties arise in college administration. Principal's of colleges of parent management were participated in the workshop.



Extension & Outreach Activities

Department of Botany

Raising Saplings of Medicinal & Economically Important Plants

The members of "Ecofriends" unit have taken on the responsibility of raising saplings of different plant species, on January 26, 2014, to spread the awareness about conservation of medicinal and economically important plants. More than fifty student activists enthusiastically participated and all the saplings were kept in the net house of the college garden. These saplings were then handed over to students for distribution in the nearby residential colonies. The activity helped in spreading the awareness about the importance of trees in our life and economy. The purpose of tree plantation was to emphasize the importance of our environment, to conserve different plant species and to beautify the college campus.



Department of Chemistry

Intercollegiate Seminar Competition

In order to create interest among the students about Chemistry and to improve their communication skill, an intercollegiate seminar competition was organized on March 1, 2014 for B.Sc.II year students. The theme of the seminar competition was Polynuclear Hydrocarbons / Reactive Methylene Compounds / Carbohydrates. About ten participants from different colleges took part in the competition. Participants used power point presentations for their seminar delivery. On the basis of marks secured by Miss Divya Santani, Miss Ritika Bhalerao and Miss Anuja Dhanagare they were awarded 1st, 2nd and 3rd prizes respectively.

Lecture Series

The PG department of Chemistry organized guest lectures of seven eminent scientists. The guest lecturers, their topics and the dates on which the lectures were arranged is as follows. Dr. S.R. Shrihari delivered his talk on the topic 'Electronic Spectra' on February 22, 2014, Dr. A. P. Matrathe delivered his lecture on 'Spectral Problem and Drug Design' on February 5, 2014, Shri Krishna Maske talked on 'Medical Chemistry' during April 01-10, 2014, Dr. A.S. Wankhade elaborated on 'Statistical Thermodynamics' on March 25 and 27, 2014, Dr. W.S. Marathe delivered his talk on 'Coordination Chemistry' during March 08-10, 2014 and Dr. S.P. Kulkarni on 'Radio-analytical Techniques' during April 19-20, 2014.

Eye Checkup Camp

An eye checkup camp was organized on April 12, 2014. An eye specialist from the Government Civil Hospital, Amravati rendered his services for this camp. Most of the students, teachers and non-teaching members of the college availed the facility during the camp.

Industrial visit

Visits to the four industries namely Renuka Industry, Vallabh Gas Agency, Shankar Refrigeration and Daga Industry situated in the Amravati MIDC zone were organized for the M.Sc. Chemistry students. The students observed the working of these industries and learned about the chemical reactions and their applications.



Department of Environment Science

A Survey of Solid Waste Management

A survey of Solid Waste Management for Morshi Taluka was carried out by the Environmental Science Department in collaboration with Rural Water Supply Division, Z. P., Amravati.

The primary aim of the survey was collecting, monitoring and evaluating the information of 89 villages in Morshi Taluka with regard to solid waste management and preparation of maps. In all 13 students participated in this activity. The students visited all the 89 villages in order to collect the information. The study areas were examined, analyzed and monitored by them to prepare a proposed plan for the disposal of solid waste. During their visits all the villagers willingly joined the students in conducting the survey. Maps of the villages with recommended dumping sites were prepared and submitted to the 'Gram Panchayats', and Z.P. Amravati.

Noise Pollution Monitoring

It is a regular activity conducted by the Environment Science Department for daily monitoring of noise during peak hours, at different squares in Amravati. Different groups, each of two students, from the department were assigned the task of monitoring the noise levels at different squares. The activity was conducted in order to create the awareness regarding the noise pollution abatement and the urgent need of public



The collected data was then provided to a local television channel for further dissemination of the awareness about the noise pollution control among the masses.

Educational Tour

The Environmental Science Department arranged an educational tour to Hyderabad during January 21-24, 2014. In all 25 students visited the industries, the National Park, the Zoological and Botanical Gardens in Hyderabad. Students also visited the Research Centers of Biological Sciences. The tour was arranged as a part of their syllabus. The students were provided the information regarding the changes in vegetation with changing topography and the prospective avenues for further research. During the visits the students acquired substantial knowledge regarding different aspects of the environment.

The Department has also organized the study tour to Wadali on March 10, 2014 for the study of the Biotic, Abiotic components of Pond Ecosystem, its impacts on the environment and their interrelationship. 25 students visited Masod village on April 16, 2014 to study Social Forestry and gained enough knowledge about vermi-composting, social forestry and the related issues.

Department of Languages

Celebration of 'Marathi Bhasha Divas' (Regional Language Day)

The 'Marathi Bhasha Divas' was celebrated at Shri Shivaji Science College on February 27, 2014. Prof. Murtuza Ali,

Head of the Computer Science Department was the guest of honour for this program. At the outset the organizers welcomed the guests. Dr. R.V. Itewad, delivered the introductory speech and elaborated on the purpose behind the celebration of this day. Addressing the gathering Prof. Murtuza Ali threw light on the significance of Marathi language in education. In his presidential speech Prof. L.N.Gawande expressed the urgent need to prescribe Marathi as the compulsory language at the graduation level in the entire state of Maharashtra. The program ended with the recitation of 'Pasaaydaan'.

Department of Physics

Presentation & Demonstration of Physics Experiments

An intercollegiate seminar competition on Presentation and Demonstration of Physics Experiments was organized on February 28, 2014. The competition aims to improve the quality of Physics education through laboratory experiments. The competition was inaugurated at the hands of Dr. V. S. Deogaonkar. In all 30 students from various colleges affiliated



to S.G.B. Amravati University, Amravati, participated in the competition. In this competition three students of our college student bagged the prizes.

Department of Zoology

The Department organized 'Winter Migratory Bird Watching Programme' for U.G. students on February 12, 2014, at Chatri Lake. During Bird Watching Programme, students observed more than fifty bird species of Forest as well as water birds on Chatri lake, Amravati.



NSS Activities

Blood Donation camp

A Blood Donation Camp was organized on February 14, 2014 in the college Auditorium. To know the value of blood the "Valentine Day" is selected every year to organize the blood donation camp. Blood cannot be manufactured and there is no substitute for it. Hence it is important to create a network of young blood donors to save lives. The NSS volunteers enthusiastically donated their blood and in all 106 units were collected which is priceless compared to its actual cost of Rs. 84800/-.

Youth Rally



A Youth Rally was organized on February 23, 2014, in which 150 students had participated. The theme of the rally was the preaching of "Gadge Baba", the 19th century folk hero and his philosophy of self-reliance, community-sharing and cleanliness. Themes like Clean surroundings, Self-help Schemes, Use of Fuel-saving Devices, Increased Environmental Awareness and the Strengthening of Women's Groups were upheld during the rally.

Training & Selection camp on "Disaster Management"

A Training and Selection camp on "Disaster Management" for NSS volunteers was organized on March 25, 2014 in which Dr. Shrikant Patil, NSS Director, SGBAU, Mr. Ambadasji Ghule, District Coordinator and Dr Chetan Raut graced the camp as the resource persons. As many as 180 volunteers took part in this training program. Our college had been selected by SGB Amravati University to conduct the Training and Selection camp on "Disaster Management" for NSS volunteers of Amravati district. Dr. V. G. Thakare, chaired the session. The speakers shared their thoughts and guided the NSS volunteers regarding "Disaster Management".

Nature and Science Club

National Science Day- 2014 (NSD)

As a part of the annual mega science activity, National Science Day was celebrated on February 28, 2014. The theme was 'Fostering Scientific Temper'. Dr. S. D. Patil, convener of the program briefed the audience about the theme of NSD-2014.



Adv. Ganesh Halkare, an alumnus of the college and National Advisor 'Akhil Bhartiya Andhashraddha Nirmulan Samiti' inaugurated the function. He appealed to the students not to accept blindly the things that are not-existent in the universe. Superstition is an obstacle in the path of progress. Principal Dr. V. G. Thakare in his presidential speech urged the students to develop the habit of scientific enquiry while accepting anything in life.

Scientific Model Competition

A Scientific Model Competition was held in which 38 students of B. Sc. and M.Sc. had taken an active part. Through live models the students highlighted environmental awareness, basic scientific concepts and latest technology. Some notable



scientific models included experiments on galvanization, density measurement, measuring thickness of hair, sand filtration for waste water treatment, sensitivity of pathogenic microorganisms towards antibiotics, magic fire, accident avoiding devices, advanced vegetation technique, structure of bacteria under microscope and the like.

Scientific Rangoli & Poster Presentation Competition

Scientific Rangoli Competition was arranged in the premises of Zoology Department. A total of 10 students participated in this competition in which the students created beautiful rangoli in display on themes like DNA and RNA structure, Role of HIV in AIDS disease etc. Scientific posters were also displayed by students in the Zoology laboratory in which 15 students participated and covered various aspects of scientific temper through their posters.

Essay & Seminar Competition on Fostering Scientific Temper

As a part of the NSD-2014 celebrations an Essay Competition was organized on the theme of Fostering Scientific Temper in which 60 students had participated. Essays written by

students covered almost all the aspects of scientific temper. In the seminar competition 14 presentations were given by college students which were conducted in the college auditorium. The presentations were given using power point. NSD valedictory function was chaired by the Vice Principal Prof. L. N. Gawande. In this program all the prize winners were felicitated by certificates and medals.

Women Empowerment Cell

International Women's Day was celebrated on the theme of 'Women Empowerment' on March 8, 2014. The Chief guest was Miss. Dipti Brahamane who guided the students on self defence and empowerment. Prof. V.G. Bhambhurkar & Principal Dr. V. G. Thakare motivated the students with their speeches. The objective of the programme was to empower the girl students and make them aware of the self-defence techniques and to provide a platform to express their hidden talents and to develop a team work culture among the students. About 100 students of B.Sc.I were participated, in which they presented a self composed skit "Sanskrit Mulein Muley Honar Jagacha Uddhar". Mr Bhange played the guitar and sang an inspirational song on women empowerment. Ms. Nisha Bhurbhure gave a speech on great historical women of India. Dr. R.V Itewad expressed his views on the role of women in the progress of the Nation, while Dr. Swapnil Arsad recited some poems composed by him.



Career Counseling Cell

The Career Counseling Cell of the college organized various programs for the students. One of such was a Workshop on 'Goal Setting' that was organized on January 11, 2014. Dr. D. D. Khedkar, the convener of the Career Counseling Cell, elaborated on the various aspects of Career Goal Setting and suggested some important steps to be followed while deciding the correct goal. On January 9, 2014, Mr. Narendra Gayakwad, Department of Land Acquisition, Amravati delivered a lecture on how to prepare one in General Studies for MPSC examination. To develop the aptitude in competitive examinations and to get acquainted about current examination pattern, a Reasoning Test was conducted on January 23, 2014 for the final year students, in which 180 students



had appeared. To decide the future career line in Higher Studies, a Subject Aptitude Test 2014, for 100 Marks, was conducted on February 6, 2014. The first Prize of Rs. 500/- was awarded to Ms. Sayali Karade of B. Sc. I (MBB). To explore the opportunities in Aviation sector, Ms. Ambrin Tabssum from the Kampas Aviation Institute, demonstrated the various aspects of "Career in Aviation" on February 20, 2014. On February 23, 2014, Mrs. Jyoti Khandpasole, Project Officer, Resource Cell for Juvenile Justice, TATA Institute of Social Sciences, in her address made the students aware about "Rights and Laws" for youth. Counseling by Ex students like Mr. Atish Gajbhiye on how to study for getting best scores in exams was arranged and Mr. Gokul Bajaj delivered a talk on March 3, 2014, about how to prepare for competitive exams in Life Sciences.

Student's Council

The students' council for the session 2013-14 has been constituted as per the sec. 40(2) of Maharashtra University Act 1994. Students' council of the college comprises of 14 members of which 8 are nominated on the basis of academic merit and one representative each from, NCC, NSS, Games and Sports, Cultural Activities and two Lady representatives. The students' council members were as follows- Rahul Gilorkar (B.Sc. III) Secretary, Ku. Snehal Holey (B.Sc.I), Ku. Divya Santani (B.Sc. II), Ku. Neha Mahurkar (B.Sc. III), Ku. Shamal Umbarkar (BCA I), Ku. Nikita Tembhare (BCA II), Ku. Shruti Chande (BCA III), Ku. Ankita Nahe (M.Sc. I PHYSICS), Ku. Priti Bonde (M.Sc. II ENV. SCI), Ku. Priyanka Nimbhorkar (B.Sc. III), Ku. Anuja Petkar (B.Sc. III), Shubham Sakhare (B.Sc. III), Akshay Dharulkar (B.Sc.II), Ku. Puja Awsormol (B.Sc. III).

SHIVOTSAV-2014



Students' Council has organized the annual social gathering of the college on January 27-29, 2014. The chief guest for the inaugural ceremony was Brigadier Shri S. P. Patil, NCC Group Commandant, Amravati. The function was presided over by Hon'ble Shri Vasantraoji Charjan, Vice-President, Shri Shivaji Education Society, Amravati. On this occasion meritorious students of the college were felicitated by giving them gold medals. Also, the students who had participated in state and national level games, sports and cultural events were felicitated with mementos. Various cultural programs were organized by the students.



Faculty Achievements

Awards & Recognitions

- **Dr. Sangita Ingole**, Head and Assistant Professor Department of Environmental Science, received the "Bharat Jyoti Award -2013".
- **Dr. Ganesh Hedao**, Assistant Professor, Department of Botany was honored by the college with the "Best Teacher Award -2013" from the senior college category. 
- **Prof. Anil Kohale**, was honored by the "Best Teacher Award -2013" from the junior college category. 
- **Shri Pravin Gondikar**, a member of the non-teaching staff was honored by the college with the "Best Non-teaching Staff Award - 2013". 

Faculty as a Resource Person

- **Dr. Ms. R. R. Khokale**, Librarian, Shri Shivaji Science College, Amravati delivered two lectures on February, 14- 15 2014 during the workshop on 'Citation and Citation Pattern' organized by the Department of Business

Administration & Management, Sant Gadge Baba Amravati University, Amravati. Also she is working as the Associate Editor in Library Science for International Research Journal of Science and Engineering, an International Peer Reviewed Open Access Bimonthly online Journal.

- **Dr. D. D. Khedkar**, delivered the lectures on 1. 'RDNA Technology' - Arts, Commerce and Science College, Kiran Nagar, Amravati. February 7, 2014. 2. 'Genetic Engineering' - Shri Shivaji College, Akola February 28, 2014. 3. 'Biological Basis for Modern Sciences' - G. S. Tompe College, Chandur Bazar March 15, 2014. 4. 'Life Processes' - Science Center, Wardha March 19, 2014.
- **Dr. D.V.Hande**, delivered a lecture on 'Fungi and their Importance', at Dr. R.G. Rathod College, Murtizapur on March 10, 2014.
- **Dr. T.B.Wankhede**, delivered a lecture on 'Biodiversity and Conservation' at Shri Shivaji College, Akot on February 1, 2014.
- **Prof. Murtuza Ali, Dr. P.W. Deotare, Dr. H.S. Lunge, Dr. W.S. Barde, Dr. Mrs. S. P. Ingole, Dr. P.R. Padole, Dr. G.A. Wagh**, delivered a lecture during the IQAC Workshop on SSR preparation, on March 23, 2014, organized by the college.
- **Dr. W.S. Barde, Dr. P.A. Nagpure, Dr. S. H. Deshmukh, Dr. V.P. Akhare, Dr. A.W. Asole and Dr. S. S. Arsad** worked as a resource persons during the National Level Two-Day Laboratory Workshop on Physics for UG Teachers on June 27-28, 2014 organized by the Department of Physics, Shri Shivaji Science College, Amravati.
- **Dr.C.B. Meshram** presented research paper entitled "A Studies on Benthic fauna of Amravati District." in 1st International Congress, Bangkok, Thailand held on 23-25 May 2014 on Sustainable Biodiversity Conservation Through Technological and Social Approaches.
- **Dr. G.A.Wagh** is nominated as a member on technical committee for evaluation and approval of research/study project in Melghat Tiger Reserve Forest.

Books Published

- **Dr. P.A. Nagpure** published two books: 1. 'First Semester, Text book of Physics (Ch:06)' and 2. 'Third Semester, Text book of Physics (Ch:02)'.
- **Dr. S. S. Arsad** published a book on "Third Semester, Text Book of Physics (Ch:02)'.
- **Dr. S. S. Thakare**, edited 'A Text Book of Chemistry for First Semester of B.Sc.' Published by AUCTA, ISBN No.978-81-926163-2-2.

Ph. D. Awardees

- **Ku. Rupali Yeotikar** was awarded Ph. D. in Chemistry by SGB Amravati University, under the supervision of Dr. A. S. Burghate.
- **Miss. Laxmi Joshi** was awarded a Ph. D. in Physics by SGB Amravati University under the supervision of Dr. D.K. Burghate.
- **Sh S. K. Wankhade** was awarded Ph. D in Microbiology by SGBAU, under the guidance of Dr. S.D. Patil
- **Mr. P. G. Awate** was awarded Ph.D. in zoology under the guidance of Dr. C. B. Meshram.
- **Ku. S.D.Temburne** was awarded Ph.D. in zoology under the guidance of Dr. R. G. Jadhao.

Students' Achievement

Best student Award

- **Ku. Priti Bonde**, a student of M.Sc. Environment Science received the Best student Award (2013) from the PG category.



- **Ku. Neha Mahulkar**, a student of B.Sc. Final received the Best Student Award (2013) from the UG category.

Academics Merits in SGBAU March 2013

- **Shri Atish Gajbhiye**, received the Gold Medal for securing the First rank in SGBAU March-2013 B.Sc. Final examination.
- **Ku. Bharti Deshmukh**, secured seventh position in University merit list of March 2013.
- **Ku. Ankita Nahe**, secured tenth rank in B.Sc Final 2013 examination.
- **Shri Rahul Sawarkar**, secured the second rank in M.Sc. Chemistry examination of SGBAU-2013.
- **Ku. Purna Shrimali**, secured the first rank and **Shri Nikhil Soni**, secured the second rank in M.Sc. Computer Software examination of SGBAU-2013.
- **Ku. Priti Bonde**, secured the First rank and **Ku. Vrushali Deshmukh** stood at second position in the merit list of M.Sc. Environmental Science examination of SGBAU-2013.
- **Ku. Sneha Galande**, secured the first rank and **Ku. Shraddha Deshmukh** stood at third rank position in the merit list of M.Sc. Bioinformatics examination of SGBAU-2013.

Student's Academic Achievements

- **Ku. Neha Mahulkar**, received the first rank in Essay Competition on "Fostering Scientific Temper" during NSD-2014.
- **Ku. Jayani Bhayani**, bagged the second prize in Seminar Competition on NSD -2014.



- **Ku. Monali Khobragade, Ku Roshani Kale and Shri Harshwardhan Agrekar** collectively bagged the second prize in Intercollegiate Poster Presentation Competition on the theme of "Science in Favour of Mankind" held at GVISH, Amravati.
- **Ku. Divya Santani**, received the first prize in Intercollegiate Seminar Competition held on March 1, 2014.
- **Shri. Akash Bhatkar**, bagged the second prize in Intercollegiate Seminar Competition held on January 31, 2014 at R. S. Science College, Chandur Railway.
- **Ku. Ankita Thakare and Ku. Veena Bobade**, received the Best Poster Presentation award in National Conference on Environmental Impact and Organise Respose.
- **Ku. Monali Khobragade & Ku. Nilam Mangwani** bagged the second and the third prize respectively in the Intercollegiate Seminar Competition organized by AUCTA on February 22, 2014.
- **Ku. Shraddha Lakade**, secured the First prize, **Ku. Diksha Pawar** secured the second prize and **Ku. Snehal Holey** bagged the consolation prize in Intercollegiate Seminar Competition on "Demonstration of Physics Experiments" during NSD-2014.
- **Ku. Shewta Meshram**, bagged the second prize, **Ku. Poonam Thawarani** and **Ku. Devyani Anasane** bagged the third prize in Scientific Model Competition held during NSD-2014.
- **Ku. Annie Mohod**, of B. Sc. II Biotechnology received the first prize in seminar competition and **Ku. Snehal Ingle** of B.Sc. II Biotechnology received the first prize in Poster Competition during National Science Day Celebration 2014.

Retirement Functions

Prof. Liladhar N. Gawande, retired on June 30, 2014 as Vice-Principal and Head, Department of Physics. He rendered his services to the college for 34 years. He began his career as a junior college teacher in Physics and thereafter served in the senior college till his retirement.



He worked as a Vice-Principal and emphasized on improving curriculum of Physics both at graduate and post graduate levels while working on various academic bodies of the parent university. His interest in Astronomy prompted him to conduct many camps on sky observations for students.

Mrs. Rekha Wankhade (Mankar), retired as the physics teacher and Supervisor of Junior College, on January 30, 2014. During her service tenure, she worked to implement various innovative ideas for 12th class for enhancing the quality of result of MSHSC Board. She received the "Savitribai Fule Best Teacher Award" sponsored by the Government of Maharashtra.



Shri Ramesh S. Sardar, retired as a junior clerk from the college office on February 28, 2014. He served the college for 36 years.



Upcoming Events

- State Level One-Day workshop on "Research Performance Metrics and Intellectual Property Rights".
- Regional Level Workshop on Cyber Laws, Offence & Defence and Investigation.

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July- December 2014



Shri Shivaji Education Society, Amravati's SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

NAAC Accredited 'A' Grade (Very Good) with CGPA 3.10
College with Potential for Excellence



Vol 1 · Issue 2

July - December 2014

I Q A C N E W S L E T T E R

State Level Workshop on Research Performance Metrics and Intellectual Property Rights



The Library and Network Resource Centre organized a One day regional level workshop on December 22, 2014 on the theme "Research Performance Metrics and Intellectual Property Rights". Common types of intellectual property rights include patents, copyrights, industrial design rights, trademarks, trade dress, and in some jurisdictions trade secrets. The workshop focused on Intellectual Property Rights and Patent and Patent Writing. Its aim was to provide a perfect platform to facilitate the research scholars to work on Intellectual Property Rights and Patent Writing. Thus, the workshop enriched the participants with IP knowledge, resources and its application in future. Dr. P.S. Dutt, the Chief Scientist & Head of the

Business Development & Technology Transfer (BDTT) Division, National Environmental Engineering Research Institute (NEERI) Nagpur, delivered a lecture on Patents, Patent Drafting and Filing Procedures. Dr N.B.Dahibhate, Principal Technical Officer DIRC, CSIR, NCL Pune, delivered a talk on Intellectual Property Rights. Adv. Swapnil Gawande, Registered Patent and Trademark Consultant and a Legal Advisor (Patent) at Business Logic Int. (India), delivered a talk on 'Patent to Profit'. Dr. V.T. Ingole, Director, IBS College, Amravati delivered a talk on 'Scientific Approaches towards Innovation'. The workshop was attended by 95 faculty members and students from various colleges.

Workshop on Cyber Laws : Offence & Defence and Investigation



The Department of Computer Science has always been taking initiatives to make the students and the society aware of the cyber crimes & cyber laws. The ComSoft Society of the Department of Computer

Science organised a workshop on Cyber Laws Offence & Defence and Investigation for the students, staff and the Police Department of Amravati, on 14th September-2014. The motto of

the workshop was to create awareness and train the officials from the Police Department in detection and investigation of the cyber crime cases. Dr. Harold D'Costa, Director, Intelligent Quotient Security Systems, Pune, an eminent authority in Cyber Security, Cyber Crime & Investigation, was the resource person for this workshop.

The participants from the Police Department were presented with a demonstration on how to trace the stolen mobile, how to trace the locations of fake e-mails, how to detect IP-addresses, how to protect smart mobile phones, how to make online transactions safely and how to collect the evidences in a cyber crime case.

Extension & Outreach Activities

Department of Biotechnology

Inauguration of Biogene Society:

A Guest lecture of Mr. Shakeel Ahmed on "Biotechnology and Entrepreneurship", was organized on this occasion of the inauguration of the Biogene Society on 14th September 2014. The event was organized to develop the spirit of team work and instill stage daring among the students during their participation in extra-curricular activities. Biogene Society aims to facilitate beneficial activity for the betterment of students and the society in general. In all 95 students participated in events like poster presentation and seminar competition with great enthusiasm. They obtained useful information regarding entrepreneurship in biotechnology through this lecture.



The winners in the seminar and poster presentation competitions were felicitated at the hands of Mr Shakeel Ahmed.

Department of Botany

Environment Awareness Campaign:

"ECOFRIENDS" is determined to implement a three-concept strategy i.e. Planning Placement Prevention to preserve environmental quality. Under the aegis of this devoted organization following

sensitive issues concerning the Environmental quality and biodiversity conservation were handled.

"Environment Awareness Campaign" was organized from 5th June to 5th July 2014 in collaboration with Amravati Garden Club, Amravati and the event was sponsored by Maharashtra Pollution Control Board.



Poem writing, nature drawing and short story writing competitions were arranged for the college students during the week from 1st to 7th August 2014 on the topic "Nature is Our True Friend". And on the occasion of Friendship Day "Raksha Bandhan" to plants was performed on 12th August 2014.

Parthenium eradication drive in the college campus was organized on 23rd August 2014. As the growth of 'Parthenium' a dreaded weed is at an alarming proportion in the Shivwadi i.e the college campus. This activity has spread the awareness about the harmful parthenium grass. Almost 45 students participated in this drive to eradicate parthenium grass.

Nirmalya Kalash was organized on 8th September 2014. "Ecofriends" planned to handle increasing solid waste generated during the festivals like Ganesh Puja, Amba Utsav, Mahalaxmi, etc. The collected materials were used to prepare vermin-compost by using the unit available with the Botany Department.

Department of Computer Science

Workshop on Web Technology:

On 14th September, 2014 a workshop was organized for the BCA students of the department to make them aware of the role of PHP programming in Web Technology Development. Ms. Prachi Ohale in her presentation focused on the importance of PHP programming. During the hands-on session, 50 students from BCA learned how to write basic programming using PHP.

ICT Training for Non-Teaching Staff:

In collaboration with Shri Shivaji Education Society, Amravati, a workshop on "ICT TOOLS AND

COMPUTER SKILLS” was organized for all the Office and Non-Teaching staff of the college. In all fifty participants attended this workshop. The topics discussed during the workshop included, the Operating System, Microsoft Office-2007 (MS-Word, MS- Excel, MS-Power Point), Communication through Internet and the Use of Anti-Virus. Along with these popular computer applications the training over the College Management System (CMS) software was also provided during the workshop.

Department of Chemistry

Science Awareness Activities:

Science awareness programme was organized on 13th August 2014 at Kasturba Kanya Shala, Belpura, Amravati. The theme of the event was to enhance the scientific curiosity especially in school girls coming from poorer section of the society. All members of the teaching staff of the school were present on the occasion. In all 50 students of B.Sc. II PCM and MBB presented the demonstrations of basic experiments to 500 school students so as to bring excitement in learning chemistry and encourage the students to pursue higher education in science. Focus was also on the themes such as *Save Water, Avoid the Use Of Plastics, Green Chemistry Concept*. The School students were benefitted by the exposure to the theme oriented scientific experiments and experiments on food adulteration, while the college students got exposure to the art of demonstration technique.



Guest lecture of Dr. R. T. Sane, Ex. Principal, Rulya College, Mumbai, was organized on September 16, 2014 on the topic, 'Herbal Drug Synthesis and their Activity'. Most of the students had their interaction with the resource person. Guest lecture on 'Green Synthesis' was organised on September 13, 2014. Professor of Emeritus of Dr Babasaheb Ambedkar Marathwada University, Aurangabad, Dr.M. S. Sane was the resource person. He explained in detail the number of catalysts used for this purpose.

Aptitude Test:

The Department of Chemistry organized an Aptitude Test in Chemistry for the students of B.Sc I sections on September 26, 2014. The objective of the event was to search out the talents in Chemistry and to develop their interest in Chemistry. About 81 students appeared for the test. Students utilized the logical reasoning application to solve the paper which helped to judge the mental ability of students. All participants were highly charged with enthusiasm and displayed the class spirit.

Department of Environment Science

PUC Camp:



A PUC Camp was organized on 13 September 2014 at Shri Shivaji Science College, Amravati. The aim was to check the pollution level status of the vehicles of the staff and the students. About 200 students and staff members were present for the camp. The event is an annual activity undertaken since last 3 years for the students and faculties to create awareness about air pollution. Of the 60 vehicles 10 vehicles were found with PUC above the prescribed limits.

Ozone day Celebration:

Ozone Day was celebrated on 16th September 2014, at Shri Shivaji Science College, Amravati. The objective of the theme was to create awareness about the ozone layer, its importance and threats. All staff members and students of college participated in the event. Students gave messages to save and protect the ozone layer through beautiful rangoli, paintings and posters. All the staff and students agreed to keep the promise by reducing the use of vehicles, planting trees and saving water. On this occasion everyone pledged to avoid the use of vehicles every Thursday to observe it as Green Thursday.

Department of Microbiology

The inauguration of Microbiology Society

A Guest lecture of Dr A M Deshmukh, Professor and Head, P G Department of Microbiology, Dr Babasaheb Marathwada University, Sub-Centre Osmanabad, was organized on this occasion on 07/02/2015. The theme of the event was "Career Opportunities in

Microbiology". The event was organized for making the students familiar with the various career opportunities in Microbiology in various sectors like industries, pharmaceutical companies, research institutes, small scale industries, etc. The event was successfully organized by the Student Unit of the Microbiology Society of the college. A good number of the students participated in the event in which various aspects of job potential for microbiology students were discussed.

Department of Physics

Celebration of Mars Orbiter Mission :

The Department of Physics celebrated the successful entry of "Mangalyan" into the Mars orbit. On the occasion of the celebration, a guest lecture on "Mars Orbiter Mission" was organized on 28th September, 2014. Prof. L. N. Gawande, ex-head of our Physics Department delivered a lecture on "Mars Orbiter Mission" for the students of Astronomy and Astrophysics Certificate Course and UG & PG classes.

Inauguration of Physics Society :

The 'Physics Society' of the college was inaugurated on 18th September, 2014 at the hands of Dr. (Ms) Kamal Singh, (Ex-Vice Chancellor, SGB Amravati University, Amravati).



On this occasion Dr. (Ms) Kamal Singh delivered a guest lecture on " Non-Conventional Energy Sources". Dr (Ms) Kamal Singh addressed the students about the importance of non-conventional energy sources. In her speech, she advised the students to undertake the research activities which should be in the interest of the society.

Department of Zoology

Celebration of Wild Life Week :

On the occasion of the Wild Life Week celebrations, in collaboration with the Melghat Tiger Reserve, a Cycle rally was organized on 02nd October 2014. Theme of the event was "Wildlife Conservation". Dr. Dinesh Tyagi, the Chief Conservator of Forests, Melghat Tiger Reserve' and Dr. Jayant Wadatkar, were the invitees for the rally. More than 40 students participated in

the rally which was organized by the Department of Zoology, in order to create the wildlife conservation awareness among the students and the masses in general.

Nature Camp at Narnala Wildlife Sanctuary :

A Nature Camp-cum-Workshop was organized at Narnala Wildlife Sanctuary on 27-28 November 2014, in collaboration with Wildlife and Environment Conservation Society, Amravati. About 50 students participated in the event.



National Service Scheme (NSS)

University Level Workshop for NSS Programme Officers:

Workshop and session meeting of Amravati District NSS Programme officers was held on 26-08-2014, in which 80 NSS officers had participated. Dr. V. G. Thakare, the principal of Shri Shivaji Science College chaired the session and Dr.F.C. Raghuwanshi, Dean, Science faculty and Principal, Vidyabharati Mahavidyalaya, Amravati, inaugurated the session. The other dignitaries on the dais were Hon. Mahadevaravaji Bhuibahr, Vice President of Shri Shivaji Education Society, Dr. Subhash Gawai, Dr. Shrikant Patil, Coordinator, NSS, SGB Amravati University. All the speakers shared their thoughts and guided the program officers regarding conduction of various NSS activities.

Annual NSS Camp :

The annual NSS camp was organized from 04-01-2015 to 11-01-2015 at Shri Shivaji High school, Khartalegaon.



The camp was inaugurated at the hands of Hon. Vasantaraoji Charjan, Vice President Shri Shivaji Education Society. Hon. Adv. Arunbhau Shelke, President of Shri Shivaji Education Society, Hon. Shri Mahadevaraoji Bhuibhar, Vice President Shri Shivaji Education Society, Pro Vice Chancellor Dr. Jaikiran Tidke, NSS Coordinator of SGBAU, Principal Arvind Deshmukh visited the camp. Different Guest speakers like Mrs. Vaishali Patil, Tahasildar, Amravati, Adv. Dilip Kohale, Prof. Sanjay Alkari, Dr. Ajay Sakhare shared their knowledge during the intellectual sessions. Mr. Rizwan Patel, Mr. Nana Ramatkar, Shri Vidyadhar Kore and Shri Rampal Maharaj spread awareness regarding burning issues like drug addiction, female foeticide, dowry, cleanliness while entertaining the students and the village people.

The camp concluded after a week in the presence of Respected Principal Dr. V. G. Thakare, Dr. V. B. Bhatkar and Mr. Vikas Deshmukh, Sarpanch of Kharatalegaon. The outcome of the camp was Building "Bandhara" for water conservation, and the main focus was on "Swacch Bharat Abhiyan".

Blood Donation Camp :

To make everyone realize the value of blood the "August Krantidin" is selected every year to organize the blood donation camp. Blood cannot be manufactured and there is no substitute for it. Hence it is important to create a network of young blood donors to save human lives. The NSS volunteers enthusiastically donated their blood and in all 76 units were collected which is costing Rs. 38000/- but all know that it is invaluable as the collected blood can save many lives.



Department of Physical Education

Sant Gadge Baba Amravati University Basketball (Women) Intercollegiate Tournaments were organized on 11-09-2014 to 14-09-2014 at the Basketball ground of our college. The inaugural ceremony was held in which, Hon'ble Adv. Arunbhau Shelke, President, Shri Shivaji Education Society, Amravati, Dr. V.G.Thakare, Principal, Shri Shivaji Science College, Amravati and among the guests Prof. M T Deshmukh, Chairman, Physical Education &

Recreation Board, Sant Gadge Baba Amravati University, Amravati, Dr. Ashok Ghogare, Member, Physical Education & Recreation Board, Sant Gadge Baba Amravati University, Amravati and Dr Madhuri Chendake, Chairman, Sant Gadge Baba Amravati University Basketball (Women) Selection Committee graced the occasion with their august presence.



In this tournament our college team was declared the runner up team and from amongst them three students were selected for university basketball team.

Career Counseling Cell

A Motivational Lecture was organized by the Career Counseling Cell of the college, on 11th September 2014.



The invited speaker Mr. Chandrakant Shinde, who is a well known artist from Amravati, delivered his talk on "Whats StopS". Through his talk the young minds were challenged to identify the obstacles in their path and come out with the possible solutions to overcome those hurdles.

Alumni Association

Alumni Association of the college organized a Seminar on Personality Development And Interview Techniques. The seminar was delivered by College alumni Dr. Anuradha Totey on 16th Sept. 2014, for all the UG & PG students.



Dr. Totey focused on personality development tips like positive approach, body language (eye contact, body posture and hand shake). She acquainted the students as to how to appear for an interview while keeping oneself composed even with changing scenario.

Faculty Achievements

Awards & Recognitions



Prof. Dr. P. W. Deotare,

Prof & Head, Botany Department was honoured with **Dr. B. S. Alias Daddy Deshmukh Memorial Best Teacher Award** sponsored annually by Shri Shivaji Education Society, Amravati which was presented at the hands of **Hon'ble Dr. Ranjeet Patil**, Minister of Maharashtra State on 27th Dec. 2014.

Dr. G. A. Wagh, Department of Zoology was conferred with **IInd Wildlife Photography Award** from State Biodiversity Board and also has been nominated as a Member of Maharashtra Pakshimitra Executive Council.

Mr. K. J. Gawai, Department of Env. Science was conferred with State Level **National Integration Award 2014**, by Akhil Bhartiya Sarva Dharma Sewa Sangh, Maharashtra.

Dr. R. G. Jadhao, Department of Zoology, was honoured with Fellowship-F.S.L.Sc (**Fellow member of society of life science**)

Shri V. W. Labade, Jr. College Teacher, is nominated on Board of Studies of Computer Science in Maharashtra State Secondary & Higher Secondary Education Board, Pune.

Shri V. S. Jadhao, Jr. College Teacher, is nominated on Board of Studies of Health & Physical Education in Maharashtra State Secondary & Higher Secondary Education Board, Pune.

Doctoral Degree Awardees

Dr. R. G. Deshmukh was awarded Ph.D. degree in Physics by S. G. B. Amravati University in 2014.

Dr. R. V. Kene was awarded Ph.D. degree in Mathematics by S. G. B. Amravati University in 2014.

Faculty as a Resource Person

Dr. V. B. Bhatkar, Head, Department of Physics delivered a lecture on, "Personality Development through Science Education" at Mahatma Fule College, Warud.

Dr. S. P. Ingole, Head, Department of Environment Science delivered a lecture on "Environment and Health Awareness" at J.D.P.S. Mahavidyalaya, Daryapur and her other lecture was on "Waste water management" at Panchayat Raj training centre, Amravati.

Dr. C. S. Ukesh, Department of Microbiology delivered a lecture on "Biotechnology for Better Tomorrow" at Rural Institute, Amravati.

Dr. G. A. Wagh, delivered lectures on "Need of Nature Lovers" at Vinayak Vidya Mandir, Amravati, on Biodiversity Conservation at RDIK College, Badnera, on "Threats to Bird Diversity" at MF College, Warud and on e-bird at E-Bird workshop, at Wadali garden hall, Amravati.

Dr. H. S. Lunge, Department of Statistics delivered a lecture on "Testing of Hypothesis in Physical Sciences" during the Refresher Course in Basic Sciences, organized by the Academic Staff College, and another lecture in One Day University level IQAC Workshop on "Criterion Second of SSR", organized by SGBAU.

Dr. U. V. Kale, Department of Statistics delivered a lecture on "Question of Statistical Significance" during the Refresher Course in Basic Sciences, organized by the Academic Staff College, SGB Amravati University, Amravati.

Dr. R. R. Khokale, Librarian delivered a lecture during the Refresher Course, organized by the Academic Staff College, SGB, Amravati University Amravati.

Prof. Dr. P. W. Deotare, delivered a Guest Lecture on "Diversity of VAM Fungi and Its Role in Agriculture for Sustainable Development" at Shivaji College, Akola and on "Mycorrhizal Biotechnology for Agriculture" at M.F. College, Warud.

Dr. P. R. Mandlik, Department of Chemistry, delivered lecture on "Symmetry & Group Theory" at Shivaji Science College, Akola, J. M. V. Achalpur and R.D.I.K. Badnera.

Dr. D. V. Hande, Department of Botany, delivered a lecture on "Wonders of Mushroom" at S.P.M. Gilani Art, Comm. and Science College, Ghatanji, Dist- Yeotmal.

Dr. D. D. Khedkar, Department of Botany delivered his guest lecture at RDIK College, Badnera as the inaugurator of the Nature Club, Green Soldier and Research Cell on the topic "Environmental Crisis".

Dr. T. B. Wankhade, Department of Botany, chaired the technical session at National Conference on Advanced Studies in Life Sciences and Medicinal Plants held at Nagnath Arts, Comm. and Sci. College, Aundha Nagnath, Dist. Hingoli.

Students' Achievements

Academics

Ku. Neha Dipak Mahurkar bagged the GOLD medal in Chemistry & stood 2nd in the merit list of Bachelor of Science (Summer-2014) of S.G.B. Amravati University.



Other Toppers in University Merit List

● Ku. Priti Bonde, M.Sc. Env. Sci.	1st Merit
● Ku. Vrushali Deshmukh, M.Sc. Env. Sci.	2nd Merit
● Ku. Aishwarya Joshi, M.Sc. Comp. Software	1st Merit
● Ku. Snehal Deshmukh, M.Sc. Comp. Software	2nd Merit
● Azhar Khan, M.Sc. Comp. Software	3rd Merit
● Ku. Monika There, B.Sc.	3rd Merit
● Ku. Shruti Chande, B.C.A.	4th Merit

Cultural Activities

Folk Dance

Ku. Monali Gawande Participated in 8th South Asian Youth Festival at Mohanlal Sukhadia Vidyapith, Udaypur, and also participated in west zone inter university at Berahampur university and stood second in Maharashtra state inter university youth festival (Indradhanush) at SGB Amravati University, Amravati.



● Yuvraj Takey participated in west zone inter university at Berahampur university, Berahampur and stood second in Maharashtra state inter university youth festival (Indradhanush) at SGB Amravati University, Amravati.

Games & Sports

Basket Ball

- Ku. Dharini Shivaji Deshmukh
- Ku. Akanksha Mahure
- Ku. Tejaswini Kadam

Participated in west zone, Inter University at Banasthali Vidyapith, Banasthali.

Badminton

- Aditya Bhalchandra Ghongade

Participated in All India Inter University Bharthiar University Coimbtore & Team (4th place) in west zone

inter university at Rajiv Gandhi Proudyogiki Vishwa-vidyalaya, Bhopal.

- Ku. Yugandhara Sanjay Dakhole

Participated in west zone inter university at Rajiv Gandhi Proudyogiki Vishwa-vidyalaya, Bhopal.

Swimming

- Ku. Aditi Nitin Chawale

Participated in All India inter university at Jain University, Bengaluru.

Handball

- Ku. Tejaswini Baburao Bambal

Participated in All India inter university & Team 3rd place in west zone inter university at Rashtrasant Tukadoji Maharaj Nagpur university, Nagpur.

- Vinay Dattatray Wagh

Participated in west zone inter university at Rashtrasant Tukadoji Maharaj Nagpur university, Nagpur.

Mallakhamb

- Akshay Prakash Dharulkar

Participated in All India inter university at L.N.I.P.E. Gwalior

Gymnastics & Yoga

- Ku. Anushree Vinodrao Malvi

Participated in All India Inter university at L.N.I.P.E. Gwalior & Kurukshetra University, Kurukshetra.

Ball badminton

- Ku. Riya Ashok Bhuyar

Participated in All India inter university at S.R.M. University, Kattankulathur

- Rana Vijay Munjale

State level 3rd place at Govily, Kalyan Dist Thane.

- Sanket Ashok Bokey

State level 3rd place at Govily, Kalyan Dist Thane.

Athletics

- Vaibhav Rajendra Thakare

Participated in Maharashtra State XVIIIth Inter University Sports Meet (Krida Mahotsav) at Dr Babasaheb Ambedkar Marathwada University, Aurangabad.

NCC

- SUO Shubham Dhole & SUO Roshan Raghotre

Participated in Thal Sena Camp (TSC) Delhi in September, 2014.

CSIR NET

Ku. Pallavi Kaarekar	M.Sc. Botany
Mohanish Wankhade	M.Sc. Botany

Doctoral Degree Awardees

- Dr. Sumit Ingale
- Dr. Shiva Tale
- Dr. Atul Doad

were awarded Doctoral Degree in Geology under the guidance of Dr. S. P. Khadse

- Dr. Syed Sajeed Ali was awarded Doctoral Degree in Microbiology under the guidance of Dr. N. N. Vidhale

- **Dr. Amol K. Dhawas** was awarded Doctoral Degree in Chemistry under the guidance of Dr. S. S. Thakare
- **Dr. Miss P. M. Dahikar** was awarded Doctoral Degree in Chemistry under the guidance of Dr. R. M. Kedar

Avishkar

- **Mr. Akash Bhatkar**, B.Sc. III (BIO) Participated in AVISHKAR 2015.

Selection at National Level

Mr. Hemant S. Gohad (B.Sc. I PCM) was selected for participation in National Initiative on Undergraduate Science (NIUS-Physics) camp (18 -24 December, 2014) held at Homi Bhabha Centre for Science Education, TIFR, Mumbai.

Prize Winners in Co-curricular Activities

- **Miss Ankita Nahe** (M.Sc. II Physics) and
- **Miss Diksha Pawar** (M.Sc. I Physics) bagged 1st Prize in intercollegiate poster competition for PG students at PGTD SGBA University, Amravati, on 29th September, 2014.
- **Ku. Ashwini B. Karangale** (B.Sc.I MBZ) bagged 1st Prize in intercollegiate seminar competition (Zoology) at SGB, Amt Uni. Amt. on 7th October 2014.
- **Ku. Neha Bobade & Ku. Pooja Chawda** secured 1st Rank in paper presentation in National level contest (Computer Science)
- **Ku. Amruta Bhojane & Amit Wani** bagged 2nd Prize in paper presentation State Level Competition (Computer Science) conducted by VMV College, Nagpur.

Retirement Function

Prof. Murtuza Ali, retired on 31st October 2014 as a Head, Department of Computer Science. He had rendered his services to the college for 32 years. He began his teaching career initially from the junior college wing and later joined as a senior college lecturer in the Physics department.



Since 1988 he served the institution as the head of the Computer Science Department till his retirement. He worked as a IQAC coordinator and rendered his services in enhancing the quality parameters of the institution. He also contributed as a peer team member for NAAC assessment of various colleges and astronomical observations.

Shri Ramesh Uttamrao Nishane retired as a laboratory attendant on 31st July, 2014 from the Zoology department. He served the college for 33 years.



Upcoming Events

- National Youth Day (12th January 2015)
- Annual Gathering : "Shivotsav 2015" (28-30 January 2015)
- National Science Day (28th February 2015)
- A Programme on Science & Technology for Human Development in collaboration with Indian Science Congress, Amravati Chapter (9-10 March, 2015).



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January- June 2015



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

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Vol 2 . Issue 1

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IQAC NEWSLETTER

Tribute to Dr. A.P.J. Abdul Kalam



The Shri Shivaji Science College expressed profound grief over the sad demise of Bharat Ratna, Dr. APJ Abdul Kalam, and the former President of India, popularly known as the 'missile man' of the country. In a condolence meeting held in the college, the Principal along with the members of the teaching and the non-teaching staff and the students prayed for the departed soul to rest in peace while observing a two-minute silence as a heartfelt tribute to the great son of the soil.



Celebrating International Year of Light (IYL 2015)

The UN General Assembly proclaimed 2015 as the International Year of Light and Light-based Technologies (IYL 2015). The overview of celebrating 2015 as the International Year of Light is to raise global awareness about how light-based technologies promote sustainable development and provide solutions to global challenges in areas like energy, education, agriculture and health. Light plays a vital role in our daily lives and is an imperative cross-cutting discipline of science in the 21st century. This International Year will bring together many different stakeholders including scientific societies and unions, educational

institutions, technology platforms and private sectors.

This college is, as usual, determined to play a lead role in the dissemination of information and awareness about the important historical events and inventions in the field of light science, by celebrating this event for the benefit of the students in particular and the society at large. We have plans to organize the following events as a part of IYL-2015 celebrations, some of which are Science Exhibition, Seminars, Guest Lectures, Educational Tours and Informative Lectures and demonstrations of experiments for the school students.

Publication of IQAC Newsletter



The IQAC had resolved in one of its previous meetings to publish its bi-annual Newsletter that will provide a wider coverage to various activities and achievements of the college along with the information about academic achievements, Sports events, NSS and NCC activities and felicitations of the meritorious students

etc. Accordingly, the IQAC team collected the data and information from all the departments and compiled it to render it a final format of the Newsletter. On the eve of National Statistics Day, June 29, 2015, to be precise, the First and Second Issues of IQAC Newsletter were published at the hands of Shri Waman Kale, Deputy Commissioner, Planning, Amravati Divisional Commissioner Office, Amravati. The principal Dr. V. G. Thakare chaired the function. The guest of honor Dr. V. S. Jamode, Director of Higher Education of the Parent Society expressed the views on the importance of the news letter. Dr. H. S. Lunge, IQAC coordinator gave his introductory remarks over the elaborate task of the preparation of the Newsletter and the need for the publication of this type of a bulletin. The IQAC members along with the entire teaching staff and the students were present on this occasion.

A Programme on Science and Technology For Human Development (PSTHD 2015)



Our College had organized a Two-Day Program on 'Science and Technology for Human Development' (PSTHD 2015) on March 9 & 10, 2015 in collaboration with the Indian Science Congress, Amravati Chapter. Dr. A. K. Saxena, president of Indian Science Congress, Kolkata, inaugurated the Conference on 9th March 2015. Adv. Arunbhau Shelke, President of Shivaji Education Society presided over the inaugural while Dr. Mohan Khedkar, Vice-Chancellor of the Sant Gadge Baba Amravati University, Dr. Manojkumar Chakarabharti, Dr. Vijayalaxmi Saxena, and Dr. Nibedita Chakarabharti, the Executive Council Members of ISCA and Sunil Kumar Verma renowned scientist from CCMB, Hyderabad were present as chief guests. On the dais Dr. V. G. Thakare, Principal of the College, Dr. Atul Bodkhe, Convener of Amravati Chapter of ISCA and Dr. G. A. Wagh, Coordinator of the program were present.

In his inaugural address Dr. A. K. Saxena appealed to the teachers to instill research attitude among the students for developing an intellectual and skillful generation while Adv. Arunbhau Shelke in his presidential address also appealed to scientists to stickup with humanity while walking on the path of Science and Technology. The Vice Chancellor of SGB Amravati University, Dr. Mohan Khedkar and all the Executive Council Members of ISCA, Kolkata shared their views on the theme of the conference.



Dr. Sunilkumar Verma guided the workshop on 'DNA Profiling of Wild Animals' during his key note address in the first session while Dr. G. N. Vankhede, former Head, Department of Zoology from SGB, Amravati University chaired the session. On March 10, 2014 the valedictory function was conducted with the presence of Dr. J. A. Tidke, Pro-vice Chancellor, S. G. B. Amravati University along with Dr. V. S. Jamode Ex. Pro-vice Chancellor,

SGB, Amravati University as the chief guest. Dr. V. G. Thakare the principal of the college had chaired the function.

Academic and Administrative Audit of the College by SAAC
The SAAC (Shivaji Accreditation and Assessment Committee) was constituted by the parent management for the assessment of all the educational institutions run by the society. The SAAC team visited the college on January 23 & 24, 2015 and February 04, 2015. Hon'ble Adv. Arunbhau Shelke, chairman of SAAC peer team and the members, Dr. S. B. Thakare, Shri H. B. Thakare, Dr. V. S. Jamode, Prof. V. G. Bhamburkar and Principal Dr. D. K. Burghate visited the college. On the first day of visit, the team had an interaction with the Principal and then with the IQAC unit of the college. Later the team visited every department, library, office and support services. During the visit the SAAC team reviewed the progress in the areas of academic and extension activities of the various departments. On February 4, 2015 the SAAC team had an interaction with the students followed by an exit meeting with the teaching & non-teaching staff. In the exit meeting, Hon'ble chairman Adv. Arunbhau Shelke expressed his views over the urgent need for the development of research, academic and extension activities of the college. Dr. V. S. Jamode and Principal V. G. Bhamburkar presented the SAAC team report and gave proper suggestions and guidance which would be helpful for IQAC to plan for the enhancement of quality in education and services to the students. The SAAC team members also expressed their heartfelt good wishes for the proposed third cycle accreditation by NAAC.

Extension & Outreach Activities

Department of Computer Science

Workshop on Android Applications Development

The department had organized a Two-Day State Level workshop 'NADC-2015' on 'Android Application Development' on February 7 & 8, 2015 in association with IIT, Mumbai & ARK Techno Solutions, Mumbai. The workshop was inaugurated at the hands of the Principal Dr. V. G. Thakare while Mr. Atul Palandurkar (Sr. Manager, ARK Solutions, Mumbai), Mr. Sanjeev Shah and Ms. Shital Awathe were present on the dais. In the first technical session, Mr. Sanjeev Shah and Ms. Shital Awathe presented a demonstration of the installation and use of Android applications for the students.



In the second session, Mr. Atul Palandurkar had an interaction with students on the awareness of new and emerging technologies in IT sector. The workshop concluded with a competition on Android Application Development.

Workshop on Data Warehousing & Restructuring the Curriculum of UG & PG for Computer Science

This workshop was organised on January 9, 2015. Mr. Santosh Raghuvanshi- IBM, Zambia & Dr. P. N. Mulkalwar, Chairman, BoS, Computer Science, SGBAU were the chief guests. Dr. H. S. Mahalle, Member, was a guest of honour. In his presidential speech, Dr. V. G. Thakare suggested that "the changes in the curriculum should be as per the need of IT industry". In the technical session of the workshop, Mr. Santosh Raghuvanshi explored his experiences in architecture, data processing, management of complex data, various tools used for it and how to manage data in real time environment. In the second session of the workshop, about forty teachers of Computer Science subject from about fifteen colleges discussed on the restructuring of curriculum of Computer science at UG & PG level as per industrial needs.

Department of Botany

Slogan competition

Ecofriends had organized a Slogan competition on "Environmental issues" on January 30, 2015 during annual social gathering "Shivotsav-2015". Forty five students participated in the competition with great enthusiasm and spirit.

Residential Nature camp



A two-day residential "Nature Camp" was organized by the Ecofriends at "Green Circle" Mardi road, Amravati on February 21 & 22, 2015. The main objective behind the organization was to create the awareness amongst the students about nature and its protection. Ninety-eight Students along with all the faculty members of the department actively participated in the camp. The nature camp was inaugurated by Ex Vice Principal Prof. L. N. Gawande and Prof. Murtaza Ali. The inaugural function was immediately followed by Astronomical session. The second day began with bird watching session led by the well-known birdwatcher of the region Dr. Jayant Wadatkar. Dr. V.T. Ingole Director, IBSS college of Engineering and Technology, Amravati delivered a talk on ancient paintings and their relation to the environmental awareness. Dr. Anand Ghaisas, Senior Scientist of Homi Bhabha Research Institute, Mumbai delivered a talk on astrobiology. Also, renowned environmentalist Mr. Arvind Kadbe discussed the issues related to chemical pollution and its adverse effects.

Department of Chemistry

Chem Quiz contest

The Quiz contest for the B.Sc. I students was organized on February 24, 2015. The four teams were selected from among the fifty students through a screening test. The quiz contest comprised of three rounds namely MCQ, buzzer and rapid fire.

Science Exhibition

To bring out the excitement of scientific experiment among the school students, science exhibition was organised on March 9 & 10. Total 46 models of scientific experiments were demonstrated by the school students along with the students of our college. Students from local schools visited this science exhibition.



Intercollegiate Seminar competition

Department has organized university level intercollegiate seminar competition for B.Sc. II students on March 10, 2015. In all nine students from different colleges participated in the seminar competition.

Department of Environment Science

Noise Pollution Monitoring

Noise Pollution Monitoring is a regular activity conducted by daily monitoring of noise levels during peak hours, at different squares in Amravati. Two students Mr. Kende & Mr. Mundekar monitored the noise levels at Rajkamal, Gadge nagar, Rajapeth, Court, and Bus stand squares in the city. The activity is conducted for creating awareness regarding the noise pollution and to increase public participation for tackling noise pollution. The analyzed data is provided to local TV channel so as to bring the pollution status of the city before citizens.

Field visits



Department organized the local visit to Wadali lake for the study of pond ecosystem on March 10, 2015. Students visited the site and studied the biotic and abiotic components of pond ecosystem and their interrelationship, and its impacts on the Environment. Second Visit to Sewage Treatment Plant, Sukali was organized on March 16, 2015, to study the treatment methods adopted for treating the wastewater generated from Amravati city and its management.

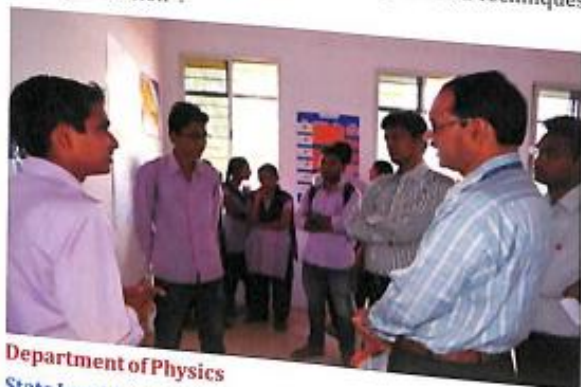
Third visit was to village Masod arranged for the study of vegetation and social forestry on April 15, 2015. Students visited and gained the knowledge of vermi composting and social forestry.

Also, the students of M.Sc II yr. visited the Chenusta village for mapping the area in order to select a proper site for a combined sewage and wastewater management system.

Department of Geology

Poster presentation competition

On the occasion of the National Science Day, the Geology department had organized a poster presentation competition on March 10, 2015 for B.Sc. Geology students. The department also had arranged two guest lectures on March 10, 2015, the first one by Prof. A. M. Varade, Assistant professor, Department of Geology, RTM Nagpur University, Nagpur on "Career Opportunities in Geology" and the second one by Dr. Y.K. Mawale, Associate professor, Department of Geology, SGB Amravati University, Amravati on "Geological Field Techniques During Excursion".



Department of Physics

State Level Seminar Competition for Physics PG Students

While celebrating the International Year of Light (IYL-2015), the department of Physics had organized a State Level Seminar Competition for PG students in Physics on March 10, 2015.



The themes of the seminar were Optics, Quantum Optics, Laser, Spectroscopy and Photonics. In all 15 students from various universities from all over the state participated in the seminar competition.

Department of Microbiology

Guest lecture

The Microbiology department organized a guest lecture of Dr. A. M. Deshmukh, Prof. and Head, P. G. Department of Microbiology, Dr. Babasaheb University, Sub-Centre, Osmanabad on "Career Opportunities in Microbiology" on February 7, 2015.

Department of Languages

Celebration of "Matribhasha Din" & "Marathi Bhasha Din"

Mother Tongue Day or "Matribhasha Diwas" was celebrated on February 21, 2015. Dr. S. S. Arsad was the chief guest, stressed the importance of the mother-tongue as the medium of instruction while learning. In his presidential speech Dr. P. W. Deotare threw light on the development of the countries such as China and Japan that promote the dissemination of mother-tongue and propagate a fuller awareness of linguistic and cultural tradition.

Marathi Bhasha Din was celebrated on February 27, 2015. Prof. H. M. Deshmukh, the guest of honour for this programme threw light on the significance of Marathi in education. Dr. Vinod Bhatkar, in his presidential speech expressed the need of the time for making Marathi a compulsory subject at the graduation level all over Maharashtra.

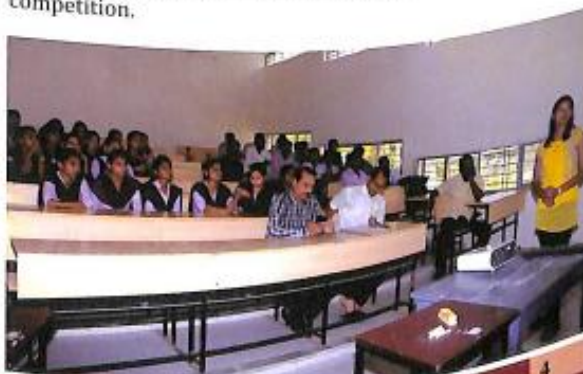
Department of Statistics

Workshop for UG students

The department of Statistics organized a one-day workshop for UG students on "Understanding Program Monitoring Data for UG students on "Understanding Program Monitoring Data and Data Analysis" on March 09, 2015. Dr. Atul Gandhi, Sr. Monitoring and Evaluation Manager, Tata Institute of Social Sciences, Mumbai, conducted the workshop. In all 105 students from four colleges participated in the workshop.

Intercollegiate Seminar Competition

Intercollegiate Seminar Competition was organized for the B.Sc. III students on March 10, 2015 on the theme of Applied Statistics, Statistical Methods and Computational Techniques. Twelve students from various colleges took part in the competition.



National Statistics Day

The department celebrated the birth anniversary of great statistician Prof. Prasanta Chandra Mahalanobis as National Statistics Day on 29th June 2015. Prof. Mahalanobis was the first person in India to initiate the Statistical system and he also had established the Statistical Institute at Calcutta. He was the Economic Advisor to the first government of independent India. Chief guest for this celebration was Shri Waman Kale, Deputy Commissioner of planning department, Amravati, who expressed his views on the importance of Statistics in various fields. He also suggested that students should learn statistical techniques through projects on real life situations and seeking solutions therein. Also on this occasion the Research officer Ku. Baskawre delivered her lecture on 'Job Opportunities in Statistics'. Principal Dr. V. G. Thakare chaired the programme.

Department of Zoology

Inter collegiate students' seminar competition

The department of Zoology had organized an inter collegiate seminar competition on "Molecular Biology as a Tool for Human Development" in collaboration with the Department of Botany on March 9-10, 2015. In all 15 students from different colleges had participated in the seminar competition.

Bird Fest



Department of Zoology had also organized 'Bird Fest' at Chatrli lake in collaboration with Wildlife and Environment Conservation Society, Amravati on February 18-19, 2014. More than 50 students had actively participated in the Bird Fest. The main objective of the bird fest was watching the migratory birds of winter.

Department of Physical Education

Felicitation of Achievers



Physical Education Department & the Students' Council had jointly organized the "National Youth Day" and the celebrations of the birth anniversaries of Swami Vivekanand & Maa Jijau on January 12, 2015. On this occasion a number of students were felicitated for their best performances in Games & Sports, Cultural activities, NCC & NSS. The felicitation function was chaired by Dr. Suresh Rao Thakare, Vice President, Shri Shivaji Education Society, Amravati. The Chief Guest for the occasion Shri Pramod Chandurkar, Secretary of Maharashtra Archery Association & International Archery Coach shared his experiences with students. Principal Dr. Arvind Deshmukh, Coordinator, NSS, Sant Gadge Baba Amravati University, Amravati was the guest of honour for the function.

Summer coaching Camps

The department had organized the following summer coaching camps for the students.

Swimming (three camps), Cricket, Aero bic, Yoga.

Also, International Yoga Day was celebrated on June 21, 2015.

Nature and Science Club

Celebration of National Science Day

National Science Day was celebrated in the college on February 28, 2015. Prof. Dr. D. R. Peshwe from Visvesvaraya National Institute of Technology (VNIT) Nagpur, who was the chief guest presented his views on "Miracles of Nanomaterials and its Impact on the Society". He began his address with the issue of the use of material over the age. In his cascading presentation, Dr. Peshwe amazed the gathering by enlightening the audience about the fact that Nano-technology has its roots in Vedas and Puranas from India. Dr. V. G. Thakare, in his presidential address, talked about the theme of this year's National Science Day and elaborated on the need to spread the awareness of Science among the masses.



Placement Cell

The Placement Cell of the college is an initiative to provide job opportunities to the students. The cell makes the students aware of career opportunities, emerging professional trends, events, job profiles and leadership etc by organising seminars and workshops. Placement committee also invites some eminent companies to conduct campus placement drives. Following Campus Placement Drives were arranged by the placement cell

- Shyam Indofab Pvt. Ltd., Textile Park, Nandagon, on January 09, 2015, had conducted the placement drive for B.Sc. and M.Sc. students. Total 85 students had appeared for the personal interview. From amongst them twelve students of the college were selected.
- Mega Campus Drive by e-Zest Pvt. Ltd, Pune on February 05, 2015.



- Total 690 students from as many as 15 different Science & Engineering colleges had attended the camp from amongst whom three students were selected.
- Sixteen students of our college were also selected in the placement drives arranged by other institutes for different companies.

National Service Scheme (NSS)

Special Camp

A special NSS camp was organized at Khartalegaon during January 4-11, 2015. The camp was inaugurated at the hands of Hon. Vasantaroaji Charjan, Vice President Shri Shivaji Education Society, Amravati. Hon. Adv. Arunbhai Shelke, President of Shri Shivaji Education Society, Hon. Shri Mahadevaraoji Bhuibhar, Vice President, Shri Shivaji Education Society, Dr. Jaikiran Tidke, Pro Vice Chancellor and Principal Arvind Deshmukh, NSS Coordinator of SGB Amravati



University visited the camp. During the camp NSS volunteers built the "Bandhara" and worked on the theme of "water conservation" and "Swachh Bharat Abhiyan". The speakers like Mrs. Vaishali Patil, Tahasildar, Amravati, Adv. Dilip Kohale, Prof. Sanjay Alkari, Dr. Ajay Sakhare shared their knowledge in the intellectual sessions. Mr. Rizwan Patel, Me. Nana Ramatkar, Shri Vidyadhar Kore and Shri Rampal Maharaj helped spreading the awareness regarding the issues like drug addiction, female feticide, dowry, cleanliness while entertaining the students and village people.

Blood Donation camp

On February 14, 2015, the "Valentine Day", NSS volunteers organized a massive blood donation camp. The NSS volunteers enthusiastically donated their blood and in all 126 units were collected costing about Rs. 1,00,800/-.

NCC

Cleanliness Drive in College Campus

Clean India Mission is a national campaign launched by the Government of India. In response to this NCC, NSS and Ecofriends unit of Botany department along with the Chemistry department executed the cleanliness drive on February 13 & 14, 2015 in the college campus.

Celebration of International Yoga day



A fortnight long yoga camp was organized from 6th to 20th June 2015 to mark the International Yoga Day on 21st June 2015. Mr Vishwas Jadhao the Yoga teacher demonstrated the "Asanas" to train the cadets. In all 72 cadets participated during the celebration on 21st June at the HVPM stadium.

Students' Council

The students' council for the session 2014-15 was constituted as per the sec. 40(2) of Maharashtra University Act 1994. Students' council of the college comprises of following 14 members.

Pravin Deshmukh	B.Sc.III	Secretary
Ku. Aditi Chimote	B.Sc.I	Academic
Ku. Shehal Holay	D.Sc.II	Academic
Ku. Divya Santani	B.Sc.III	Academic
Mizwan Khan	BCA I	Academic
Ku. Utkarsha Bochare	BCA II	Academic
Ku. Nikita Tembhare	BCA III	Academic
Ku. Pratiksha Khedkar	M.Sc. I Env. Sci.	Academic Merit
Ku. Veena Bobade	M.Sc. II Env.	Academic
Ku. Shehal Dubey	B.Sc.III	LR
Ku. Gayatri Paralkar	B.Sc. III	LR
Suhas Bhoplae	B.Sc. III	NSS
Ku. Mohini Gawande	B.Sc. II	Cultural
Ku. Dharini Deshmukh	B.Sc. II	Games & Sports

Shivotsav 2015

Students' Council organized the annual social gathering on January 28-30, 2015. Dr Avinash Sawaji inaugurated the annual social gathering "Shivotsav". Shri Babasaheb Charjan, Vice-president of Shri Shivaji Education Society was the chairman for the function. On this occasion meritorious students of the college were felicitated by giving them gold medals. Various cultural programmes like singing, dancing, drama competition, fancy dress, debate, rangoli, photography competition & Anand Mela were organized by the students.



Faculty Achievements Awards & Recognitions

Prof Dr. G. N. Chaudhari, Head of Chemistry department was honoured with the "Best Teacher Award" by Sant Gadge Baba Amravati University. He also received a Major Research Project by UGC entitled "Synthesis and Characterization of Nanostructures and Nanocomposite Metal Oxides for Biosensor Application" of Rs. 8,80,000/-



Dr. G. A. Wagh, Assistant Professor in Zoology, bagged two prizes (Second & Third) in State level Photography competition on 'Threatened Wild life of Maharashtra' organized by Maharashtra State Biodiversity Board (MSBB)-2014. He was honored with these prizes at the hands of State Forest minister, Shri Shudhirbhai Mungantiwar.



Dr. W. S. Barde, Associate Professor, department of Physics was honored by the college with the "Best Teacher Award 2014-15" from the senior college category.



Smt. Chhaya Hadole, Jr. college teacher was honored by the college with the "Best Teacher Award 2014-15" from the junior college category.



Shri Ashwin Shelke, Laboratory Attendant, from Zoology department was honored by the college with the "Best Non-teaching Staff Award 2014-15".



Prof Dr. C. B. Meshram, Head, Department of Zoology, was honored by Vishwashanti Multipurpose Society with 'Life time Achievement Award' during the 2nd International Congress at Colombo, Shrilanka held on May 24-30, 2015 on 'Science and Technology for Society'.

Dr. D. V. Hande, Assistant Professor in Botany, bagged the first prize for Best Poster in National Seminar on "Aspect and Appraisal in Plant Sciences" at Shirpur on March 15, 2015

Faculty as a resource person.

Dr S D Patil worked as a resource person and delivered 02 lectures during the UGC sponsored Refresher course in Environmental Science organized by the Academic Staff College, SGBAU, Amravati (12 March 2014)

Dr. D. D. Khedkar delivered a lecture on "Personality Analysis and Career Development" at Indirabai Meghe Mahila Mahavidyalaya, Amravati on 14 January 2015

Dr. G. A. Wagh, Assist. Professor, Department of Zoology delivered a lecture on 'Wildlife Photography' in the One-Day photography workshop organized by Botany department at RDIK, College, Badnera.

Dr. J. D. Dhote, Assist. Professor, Department of Zoology delivered a lecture on 'Genetics and Human Health' at Yuvashakti College, Amravati.

Doctoral Degree Awardees

Dr. T. B. Wankhede, Assistant Professor in Botany, was awarded a Ph.D. degree by Sant Gadge Baba Amravati University under the supervision of Professor and Head Dr. S.R. Manik.

Books Published

Dr.S.S.Thakare, Associate Professor, Department of Chemistry is a co-author of 'A Text Book of Chemistry, for Fourth Semester of B.Sc'.

Dr.G.A.Wagh, Assistant Professor, Department of Zoology is a author of a Text book of Zoology-Animal Physiology and Economic Zoology for Sem- V of B.Sc.

Students' Achievements

Best Student Award

Ku. Veena Bobade

A student of M.Sc. Environment Science received the Best Student Award (2014-15) from PG category.



Mr. Pravin Deshmukh

A student of B.Sc. III. received the Best Student Award (2014-15) from UG category.



Doctoral Degree Awardees

Mr. D. S. Ambadkar was awarded Ph.D. degree in Chemistry by Sant Gadge Baba Amravati University under the guidance of Dr. R.M. Kedar.

Ku. Suruchi Ravindra Kadu was awarded Ph.D. degree in Botany by Sant Gadge Baba Amravati University under the supervision of Dr. Dilip V. Hande.

Dr. Pankaj P. Maknikar has been awarded Ph.D. in Microbiology by Sant Gadge Baba Amravati University under the supervision of Dr. S. D. Patil.

Mr. Ashis Ghaware and Mr. Praful Topale were awarded Ph.D. degrees by Sant Gadge Baba Amravati University under the guidance of Dr. R. G. Jadhao.

Academic Achievements

Ku. Diksha Pawar, M.Sc. I(Physics) bagged the first prize in the State Level Seminar Competition for PG Students.

Ku. Divya H. Santani (BTZ III) bagged the second Prize in the State level Inter University Seminar Competition (Zoology) organized by J. B. Science College, Wardha on 28th February, 2015.

Ms. Ali Zainab, B.Sc. III was awarded the 2nd prize in intercollegiate seminar competition for B.Sc. III (Chemistry) held on 10th March 2015 under the auspices of PSTHD in collaboration with ISCA, Kolkata.

Mr. Akash Bhatkar, B. Sc. III bagged the 1st prize in the intercollegiate seminar competition for B. Sc. III (Chemistry) held at RLT college of Science, Akola on 13th March 2015.

Mr. Himanshu Giram and Mr. Shubham Kale secured the 3rd position in intercollegiate quiz competition held at the Department of Biotechnology, SGB Amravati University on 12th March, 2015.

Ms. Neha M. Thawrani-(B.Sc.-II) & Ms. Amruta Bhojane(BCA-III) have secured First & Second ranks respectively in intercollegiate C skill test organized by the Department of Computer Science.

Felicitation on Superannuation

Mrs. Rekha S. Guddhe retired on January 31, 2015 as a junior college teacher in English. In 2005 she was honored with the prestigious "National Best Teacher Award" at the hands of the then Hon'ble President of India, Dr APJ Abdul Kalam. She worked as NCC officer of girls unit and contributed a lot to the NCC unit of this college.



Mr. Sudhakar C. Jadhao retired on June 30, 2015 as a laboratory attendant. He started working in a Mycology research laboratory and retired as laboratory attendant from the Physics department.

We all wish both the retirees and their families happy, healthful and prosperous life ahead.



Upcoming Events

- A Two-Day Workshop in collaboration with Homi Bhabha Centre for Science Education, Mumbai on "Inculcation of Activity based Learning Practices for Science & Mathematics Teachers at Secondary Level and Exploration of Innovative Practices in Teaching-Learning & Evaluation Methods.
- Book Exhibition on Birth Anniversary of father of Library Science Dr. S. R. Ranganathan.
- State/National Level Conference on Computer Science/Zoology.

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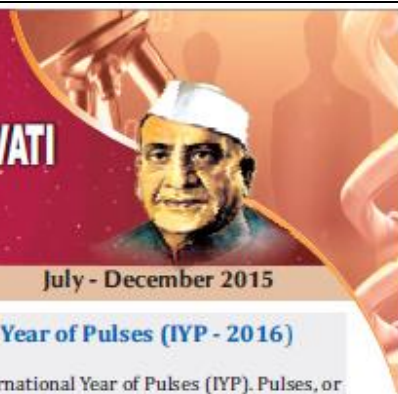


Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

NAAC Accredited 'A' Grade (Very Good) with CGPA 3.13

College with Potential for Excellence



Vol 2 . Issue 2

July - December 2015



Celebrating International Year of Pulses (IYP - 2016)

2016 is the United Nations International Year of Pulses (IYP). Pulses, or grain legumes, include 12 crops such as dry beans, dry peas, chickpeas, and lentils, which are high in protein, fiber, and micronutrients. Furthermore, improvements in pulse productivity could be especially impactful in the developing world.

"Pulses are important food crops for the food security of large proportions of populations, particularly in India, where pulses are part of traditional diets and often grown by small farmers.

This college has planned to celebrate IYP-2016 by organizing seminars, informative lectures to heighten public awareness of the nutritional benefits of pulses.

NAAC Third Cycle Assessment - College Retains 'A' Grade

Shri Shivaji Science College proudly went through the process of the third cycle assessment and accreditation by NAAC Bangalore and was awarded the A grade for the second time in succession. The SSR of the same had been dispatched to NAAC Bangalore earlier and was uploaded to the college web site too. The Peer Team for the third cycle of assessment

visited the college on 15th & 16th October, 2015. The Peer team comprised of three experts. viz Dr. R.P Tiwari, Vice Chancellor of the H.G. University Indore, was the chairman of the team, Dr. S.L Garg, Principal, Government Atal Bihari Vajpayee College, Indore and Prof. S.B Agrawal from BHU, Varanasi were the members of the peer team.



On the first day the NAAC Peer Team had an interaction with the principal, Dr. V.G Thakare, on various aspects of the institution and the achievements made during the assessment period. The Peer Team also interacted with the college IQAC and discussed the issues related to quality enhancement measures and awareness programmes about the NAAC assessment. The Peer team then visited each and every department of the college for an interaction with the faculty members. The team observed the research activities and academic extension activities of all the departments and was full of praises over the output of these two activities. The team also interacted with the students, non teaching staff and the college Alumni Association. The NAAC Peer Team also appreciated the achievements by the

Physical Education Department and was full of praises for the achievers in the field of Sports and Athletics on National and International levels. The Peer team appreciated the working and achievements of NCC and NSS units of the college. The team had a fruitful interaction with the members of the management and the team discussed at length the future development plan of the institution. During the team's interaction with the office staff, the team appreciated the working pattern and the office automation. The team offered some suggestions during its visit to the college library. The college students had presented the team with their colorful performances of songs and group dances during the cultural programme arranged specially for the NAAC Peer team.

IQAC NEWSLETTER



The activities conducted by the college regarding the environmental protection, green audit, Ecofriends, Environment Club and Zoological Club activities, were much appreciated by the peer team. On the second day during the exit meeting the Peer team handed over their report to the



principal with commendations and suggestions.

At this juncture, the college IQAC appreciates the contribution and expresses its gratitude towards the management, principal, teachers, non teaching staff, students, alumni and other stakeholders.

IQAC Workshop on Institutional Preparation of NAAC Assessment for College Teachers

A One-day workshop on Institutional Preparation of NAAC Assessment for College Teachers was organized by IQAC on 28th August 2015. The well known expert in the accreditation process, Professor M. R. Kurup from Vaze College, Mumbai, was invited to guide on institutional preparation for NAAC Peer team visit. In the first session of the workshop an interaction with the principal along with the IQAC members was arranged, in which the main topic of discussion was IQAC interaction with the Peer Team and document presentation. The second session focused on the PT's interaction with the teachers in a department. Prof. Kurup visited the library too

and came up with the measures to keep updated records and library presentation during the PT visit. All the teachers along with the IQAC members were present for the workshop.



S.G.B. Amravati University Inter-Collegiate Research Festival - Avishkar-2015



The research festival was organized to inculcating research attitude among the students and motivating them to take up research works.

The event was organized at Shri Shivaji Science College, Amravati on 26th October 2015. Student from various discipline like Humanities, Commerce, management, Law ,

Pure Sciences, Agriculture Engineering Medicine were participated in this event.

Total 310 posters and models from six subjects were registered for the event & Total 800 students had directly participated in the event and 200 more students visited posters and models from various colleges.

Hon. Dr. Mohan Khedkar, Vice Chancellor, S. G. B. Amravati University, Amravati inaugurated the festival, Adv. Arunbhai Shelke, President of Shri Shivaji education Society presided over the function while Dr. P.G. Yeole, Pro-Vice-Chancellor R. T. M. Nagpur University, Nagpur was present as guests of honour at the inaugural programme. Introductory remarks were express by the Principal Dr. V.G. Thakare, Dr. Dilip Hande, District Coordinator proposed a vote of thanks. Dr. K.S. Adhav, Prof. and Head, Dept of Mathematics, S. G. B. Amravati University, Amravati was chief guest for valedictory function of Avishkar- 2015. Finally 26 researchers from Amravati district were selected for University level Avishkar- 2015.

Extension & Outreach Activities

Department of Botany

Tree Plantation Programme

At "Shivwadi" tree plantation programme was conducted on 24th July, 2015. Every year the members of 'Ecofriends' actively participate in Tree plantation programme. This year 50 tree species have been planted by Ecofriends at Shivwadi.

The Friendship Day

On 3rd of August, 2015 the friendship day was celebrated in a unique way to spread awareness regarding Environment Conservation. As the students are always very enthusiastic to celebrate friendship day every year on 1st Sunday of August, this year on 3rd August 2015 the "Ecofriends" celebrated it by spreading messages on "Environment Conservation" by typing

the friendship bands to the staffmembers of the office and the department with messages related to environmental issues.

"Matiche Ganpati Abhiyaan"



On 16th and 17th September, 2015 this campaign was organized to stop the use of Plaster of Paris for making Ganesh idols. The department of Botany took up the campaign as an extension activity under the banner of "Ecofriends", to reduce the impact of plaster of paris and save our water resources. The Inauguration of the campaign was on 16th September 2015 at the hands of Hon'ble Madhu Gharad, President, Vanarai. Hon'ble H.B.Thakare, Treasurer, Shri Shivaji Education Society, Amravati, Adv. M.K. alias Nana Deshmukh, Executive member, Shri Shivaji Education Society, Amravati, Shri V.G.Bhamburkar, Secretary, Shri Shivaji Education Society, Amravati, Shri. Arvind Mangale, co-opted member, Shri Shivaji Education Society, Amravati and Dr. V.G.Thakare, Principal, Shri Shivaji Science, College, Amravati were specially present for the inauguration. In all 300 clay idols of Lord Ganesha were purchased by the people who believed in environment conservation, from the stall set up in the college campus.

Department of Chemistry

Science Awareness Programme

Science Awareness Programme was arranged on Wednesday 12th August, 2015 at Kasturba Kanya Shala, Amravati by Dr. Anjali B. Bodade and Dr. Yogita Thakare from the department of Chemistry. The various activities that were carried included:

- 1) Green Chemistry Approach -Micro Scale Technique Kit.
- 2) Acquaintance with apparatus used and Demonstration on basic Chemistry experiments.
- 3) Eradication of Superstition.
- 4) Power Point Presentation on 'Prithvi Beti ka Suraj Papa Ko Patra'.
- 5) Short Kit on tiger conservation
- 6) Tree donation and plantation.
- 7) Slide show on tiger conservation.
- 8) Poster display on preservation of culture and tradition.
- 9) Conservation of Flora and Fauna.



About fifty students from BSc. II MBB, MBZ and CEB groups demonstrated nearly 20 different experiments like tree shifting model, tricky water, density concept, magic balloon, color symphony, microscale technique kit, fruit battery power, fire extinguisher and many more to 400 school students from Std. Vth to Xth. Students enjoyed watching the posters displayed on conservation of flora and fauna, preservation of Indian tradition, monuments and culture.

Seminars by expert

1. Beauty Therapist Dr. Usha S. Bhuta d, Proprietor, Innovation of Rahul Phate Unisex Tricology Clinic" has delivered the seminar on hair care and hygiene and personal grooming before PG and UG students.
2. A One-day seminar was organized by the department under skill development course in cosmetology on Wednesday, 19th September 2015. Dr. Rahul Phate, chief guest, delivered his seminar on HEALTH AND BEAUTY TIPS. He focused on the topics like Skin and hair care and Scientific combing techniques

Department of Biotechnology

"Biotech Awareness Programme"



Members of Bio-Gene Society from the Department of Biotechnology conducted "Biotech Awareness Programme" at Sri Sai Baba School, Sai Nagar, Amravati on 9th October, 2015. Our students gave information to school children with the help of power point presentations, posters and live demonstrations. Head of the Department Dr. S.D. Patil and other staff members of Biotechnology were also present during this activity.

Department of Environment Science

Pollution Under Control Camp



The department of Environmental Science organized a Pollution Under Control camp on 22nd August, 2015. In this camp about 100 vehicles of students and members of teaching and non-teaching staff were checked for their pollution level.

Best Out of Waste

Students of M.Sc. I year (Env.Sc) introduced the concept of recycling the waste paper and prepare greeting cards, paper weights, flower pots from the waste paper collected from the department.

Environment Awareness Activities

Students, faculty and staff members of the department actively participated in the environment awareness activities like; tree plantation program conducted at Shivwadi, public awareness canvassing for clay idols on Ganesh Chaturthi festival.

Study Tours

A study tours were arranged to Lonar Lake, Aurangabad, Ajanta and Ellora Caves on 18th & 19th August, 2015 and tour to the important locations in the state of Gujarat was organized from 6th to 12th December, 2015.

Department of Physics

Inauguration of Physics Society



The Physics society was inaugurated on August 22, 2015 at the hands of Dr. S.V. Moharil, Retired Head & Professor, PGTD Physics RTMNU, Nagpur. For the inaugural function Physics PG students from various colleges and university department were present. Dr. S.V. Moharil delivered a lecture on "Noble Prize in Physics 2015". In his lecture he threw light on importance of the invention of blue laser.

Guest lectures for UG and PG students

- Mr. Anil Raut, ONGC officer, on "Job opportunities in ONGC" (29 September, 2015)
- Dr. Atul Doad on "Structure of Earth" (29 September, 2015)



Department of Statistics

Guest lecture



On 6th August, 2015 a guest lecture of Dr. D.K. Ghosh, Professor and Head, Department of Statistics, Saurashtra University, Rajkot, was organized on "Importance of Statistics in Various Fields and Job Opportunities in Statistics". The function was inaugurated by the Principal, Dr. V.G. Thakare. The teachers and students attended the guest lecture.

Department of Zoology

Wild Life Week Celebration



The Department of Zoology had organized a Cycle Rally as a part of wild life week celebration on 2nd October, 2015 in collaboration with Melghat Tiger Reserve Office and Wildlife and Environment Conservation Society, Amravati. The theme of the rally was 'Save Nature and Save Tiger'. The main objective of the cycle rally was conservation of Wildlife. In all 30 students from the department participated in the cycle rally.

Library

Two days Book Exhibition was organized on 12th & 13th August 2015 to mark the birth anniversary of Dr. S.R. Ranganathan, Father of Library Science. The book exhibition was inaugurated by Shri. Suresh P. Kowale Deputy Secretary, Law and Judiciary Department, Mantralya, Mumbai. Local vendors Shriram Book Agency, Popular Book Stall, Book Bar, Ahmadabad, Prakash Book center Amravati participated in the book exhibition. Students and staff visited the book exhibition and recommended books for college library.



Department of Physical Education

Physical Education and Sports Department organized Sant Gadge baba Amravati University Inter Collegiate Basketball (Women) Tournaments 2015-16 on the college basketball court from 22-09-2015 to 25-09-2015. Total 37 women's teams participated in this tournament.

The inaugural ceremony was held in the presence of Dr. V. G. Thakare, Principal Shri Shivaji Science College, Amravati and among the guests were Shri Jayprakashji Dubale, Deputy Director, Sports, Amravati Division, Dr. Madhuri Chendake, Chairman, Sant Gadge Baba Amravati University Basketball (Women) Selection Committee, Shri Bhau Belsare who graced the occasion by their presence. In this tournament host team of Shri Shivaji Science College was declared the runner up team.



The Department also organized Sant Gadge baba Amravati University, Amravati Inter Collegiate Handball (Women) Tournaments and selection trials for 2015-16 on College play ground from 01-12-2015 to 06-12-2015. Dr. V. G. Thakare, Principal Shri Shivaji Science College, Amravati, Dr. Smita Deshmukh, Principal, Shri Shivaji Arts Commerce College Amravati, Shri Avinash Pund, DSO, Amravati, Dr Pranav Malviya, Principal, Dr. Panjabrao Deshmukh College of Law, visited the tournaments.

The Department facilitated the organization of "Shivaji Olympiad" hosted by our parent education society, namely, Shri Shivaji Education Society Amravati, in which the Basketball Men and Women district and division level tournaments were held and our college women team secured the first place and the men team secured the second place in these tournaments.

The Department also contributed in the organization of district, division and state level school tournaments of basketball, handball, dodge ball and ball badminton.

Career Guidance Cell

The Entrepreneurship Development Cell affiliated to the Maharashtra Centre Entrepreneurship Development, Govt. of Maharashtra was instituted at the hands of Dr. Abhiram Dabir, Divisional Officer, Maharashtra Centre for Entrepreneurship Development, Amravati Division, Amravati on **Thursday, 26th August, 2015.**



The lecture on inspired students to think about business as a career.

In order to familiarize the students with the MPSC / UPSC examination pattern, mock exam (similar to the pattern of MPSC) was announced on 31st August, 2015. Online registration on the website, via messaging or in person was accepted. In all 165 students registered for the examination. The preliminary examination was conducted on 4th October, 2015. 72 students appeared for the examination. The answer key with explanation was shared with the students in regular classes on 8th October, 2015. The mains examination, interview and Physical test were conducted in the post-diwali session. The result of the Mock Exam was declared on 12th October, 2015. The marks obtained by students ranged between 22 to 49 out of 100.

National Service Scheme (NSS)

Activities organized by NSS unit

1. Tree Plantation was done on the college premises (Shivwadi) on 24-07-2015, in Dattakgram Khartalegaon on 15th August, 2015 and Art of living Ashram, Bhankheda on 01-07-2015. In all 150 medicinal and tree saplings were planted by 100 volunteers. Principal Dr. V.G. Thakare graced the activity by participating in the rally and tree plantation.



2. In the Shri Shivaji Highschool of adopted village of Kharatalegaon books were distributed amongst the students by Prof. M. Ali, Dr. S. P. Gawande, Dr. G. A. Wagh and Mr Uike, Principal of the school.

- Blood Donation camp was organized by the NSS unit on 26-08-2015. The camp was inaugurated by Dr. V. G. Thakare in presence of Dr. Ganesh Malte, coordinator, NSS, Sant Gadge Baba Amravati University, Amravati, Dr. Shobha Rokade, Regional coordinator, NSS, Sant Gadge Baba Amravati University, Amravati. About 86 NSS volunteers and students and staff members donated their blood.
- College NSS Volunteers actively participated in the anti-narcotic squad on 04-08-2015 headed by Dr. S.P.Gawande and carried out raids in Amravati and confiscated Gutakha and Tobacco worth about Rs. 4 lakhs. The entire exercise was appreciated and the participants were honored by the Commissioner of Police, Amravati.

Alumni Association

In order to express our gratitude towards our teachers we have celebrated the day by felicitating retired teachers at the hands of ex-students. We have also felicitated college teachers at the hands of students council.



Our retired Professor M. Ali distributed President Late Kalam's books to students. Various activities were presented on LCD by Prof. Nagpure.

- Alumni Association has provided financial aid of Rs. 30,115/- to the needy students of the college.
- Alumni Karan Chithore was felicitated for his grand success in Italy in the world level presentation on 26th sep 2015 and alumni Gourav Rai was felicitated on 14th December, 2015 for having secured top rank in IES examination. On this occasion he guided our students for preparing GATE, JEE and other examinations. In his speech he elaborated the methods of study.



Teachers Achievement

Dr. V. G. Thakare was elected as the President of AUCTA on 4th October, 2015.

Dr. G. A. Wagh nominated as a President of 16th Vidarbha Pakshimitra Sammelon for a year 2015-2016 and inaugurated the function held on 19 December 2015 at SMC campus Washim and delivered a lecture on 'Grass land Bird Biodiversity in Vidarbha'.

Also he published a Text book of Zoology- Life and Diversity of Chordates and Concept of Evolution (B.Sc.Part-II, Sem- III).

Dr. J. D. Dhote Assist. Professor, Department of Zoology delivered a lecture on 'Genetic and Human Health' at Yuvashakti, College, Amravati.

Lt. Prof. N. H. Bansod received the Best ANO Award from NCC group head quarter, Amravati on 27th November, 2015.

Dr. S. S. Thakare joined as a Principal at Shahu Science college Chandur Railway on November, 2015.

Dr. P. R. Mandlik was elected as the Secretary of AUCTA on 4th October, 2015.

Dr. S. P. Ingole was selected as a member of Amravati Zilla Paryavaran Samiti, by MPCB, Regional office Amravati.

Ms. Aruna U. Kakde was awarded the Ph.D degree by SGBAU.

Dr. D. V. Hande, delivered a guest lecture on "Fungi in Industries" on 07th September, 2015 at Indira Mahavidyalaya, Kalamb. Nominated as a member of Technical Support Group for Amravati District Biodiversity Board, Amravati by the Forest Department, Amravati. Nominated as the district coordinator of Amravati district for Avishkar by Hon. V.C. SGBAU, Amravati

Ku. Vidya S. Kharbadkar, fix pay lecturer in Geology was selected as a Junior Geologist, by the Director of Geology and Mining (DGM) in the state of Maharashtra, through MPSC.

Dr. S. D. Patil, published 03 Text books of Microbiology for Semester I, III and V.

Dr. N. N. Vidhale, published Text book of Microbiology for Semester V.

Dr. C. S. Ukesh, published Text book of Microbiology for Semester III.

Students' Achievements

Doctoral Degree Awardees

Dr. Sharad Gawhale received Ph.D degree under the guidance of Dr. G.N. Choudhari.

Dr. Suhas S Khandare received Ph. D. degree under the guidance of Dr. S. D. Patil

Dr. Rupali Deshmukh and **Dr. Anuprita Deshmukh**

Received Ph. D. degree under the guidance of Dr. N. N. Vidhale

Dr. Prasad M. Deshmukh and **Dr. Pratiksha A. Kale** received Ph. D. degree under the guidance of Dr. C. S. Ukesh

Sh. D. T. Deshmukh received Ph. D. degree under the guidance of Dr. H. S. Lunge.

Mr. Ashish Ghaware and **Prafulla Topale** were awarded Ph. D. under the guidance of Dr. R. G. Jadhao, from the Zoology department.

Dr. Ms. Archana B. Bodade received Ph. D degree under the guidance of Dr. D. K. Burghate and Dr. G. N. Choudhari

Mr. Akshay Patil, a student of B.Sc-III (PHG) received the 5th rank in the National Level Workshop titled "PROTOLITH" held on 9th -11th October, 2015 IIT, Mumbai

Achievement of students in NSS

1. **Ku. Ashwini Gugliya** was selected for Pre-Republic Day Parade camp at NSS University level on 31 August- 1 Sept. 2015, National/State Pre RD Parade camp at NSS Inter University level on 09-11 September 2015 at Nanded and

participated in the NSS West Zone Pre-Republic Day Parade from 08th to 17th October, 2015 at RTM, Nagpur University.

2. **Ku Pooja Zagade** was selected for Pre-Republic Day Parade camp at NSS University level on 31st August & 1st September, 2015.

STUDENTS' ACHIEVEMENTS IN CULTURAL ACTIVITIES

NAME OF THE STUDENT	NAME OF EVENT WITH LEVEL	RANK	DATE AND PLACE
Pranita Bhimrao Wakode BSC-III(MBZ)	Singing (Indian and Western) Central Zone Inter University Youth Festival,	I Rank (Indian) II Rank (Western)	Bundekhand University Jhansi (Uttar Pradesh), From 19 to 23 November 2015.
Ambika Santosh Thakare BSC-I(BIO)	Singing (Indian) Central Zone Inter University Youth Festival	I Rank (Indian)	Bundekhand University Jhansi (Uttar Pradesh), From 19 to 23 November 2015.
Neha Sawake BSC-II (PCM)	Singing (Indian and Western) Central Zone Inter University Youth Festival	I Rank (Indian) II Rank (Western)	Bundekhand University Jhansi (Uttar Pradesh), From 19 to 23 November 2015
Prachi Ramesh Khedkar BSC-III(BIO)	Drama Central Zone Inter University Youth Festival	II Rank	Bundekhand University Jhansi (Uttar Pradesh), From 19 to 23 November 2015
Pavan Sunil Pavar SC-II(CAP)	Drama Central Zone Inter University Youth Festival	II Rank	Bundekhand University Jhansi (Uttar Pradesh), From 19 to 23 November 2015



STUDENTS' ACHIEVEMENTS IN GAMES & SPORTS

NAME OF THE STUDENT	NAME OF EVENT WITH LEVEL	DATE AND PLACE
Akansha Ravindra Mahure BSC-II(MBB)	Basket Ball West Zone Inter University	University of Rajasthan, Jaipur from 16th to 20th October, 2015 National:- Ranchi
Dharini Shivaji Deshmukh. BSC-III(MBZ)	Basket Ball West Zone Inter University	University of Rajasthan, Jaipur from 16th to 20th October
Tejaswini Harishchandra Kadam BSC-II(MBZ)	Basket Ball West Zone Inter University	University of Rajasthan, Jaipur from 16th to 20th October, 2015
Aditi Nitin Chawale BSC-III(CAP)	Swimming All India Inter University	Punjab University, Chandigarh from 20 to 25 October 2015
Sarang Ambulkar BCA-I	Swimming All India Inter University	Punjab University, Chandigarh from 20 to 25 October 2015
Aditya Ghongade BSC-I(PCM)	Badminton West Zone Inter University	Lakshmi Bai National Institute of Physical Education, Gwalior from 12 to 15 October, 2015
Valohav Rajendra Thakare BSC-II(CMP)	Athletics Maharashtra State Inter University Sports Meet (Ashwamedh krida spardha)	Swami Ramnand Teerth Marathwada University, Nanded from 27 November 2015 to 1 December, 2015
Mayuri Bambal BSC-II(MBB)	Basket Ball Maharashtra State Inter University Sports Meet (Ashwamedh krida spardha)	Swami Ramnand Teerth Marathwada University, Nanded from 27 November 2015 to 1 December, 2015

Retirement Functions

Prof. Dr. C. B. Meshram, head, department of Zoology was retired on August 31, 2015 . He started his career as a junior college teacher and there after he joined senior college in this college and served for 27 years. He has contributed to development of the department and carried out research activities.



Prof. S. A. Salwe, head, department of Geology was retired on October 31, 2015. He started his career as a Assistant Geologist in Directorate of Geology and Mining. Thereafter he served this college for 31 years. He has contributed to development of the department. He has also rendered his services as geology consultant to the farmers of this region. We all wish you & your family the happy and healthy life.

Upcoming Events

- National Youth Day 12 January 2016
- Shivotsav January, 2016
- National Science Day 28 February, 2016
- Three Days Programme entitled "Exploration of Entrepreneurship Opportunities for Students and Skill Development for Establishment of Small Business" under the Youth Led Sustainable Development Programme of the Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperumbudur in the month of March, 2016.



Cultural Event by Students before NAAC Peer Team

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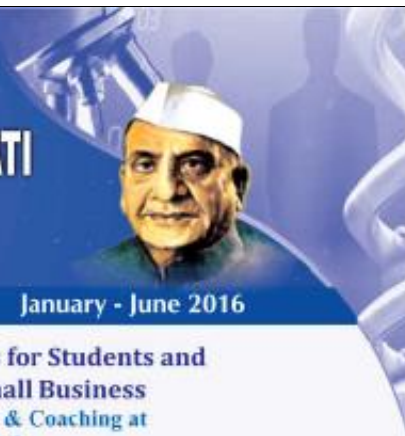
January- June 2016



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

NAAC Accredited 'A' Grade (Very Good) with CGPA 3.13
College with Potential for Excellence



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I Q A C N E W S L E T T E R

Exploration of Entrepreneurship Opportunities for Students and Skill Development for Establishment of Small Business A Programme conceptualized by Career Counseling & Coaching at entry level Competitive Examination Cell



This Three-Day programme was organized under Youth Led Sustainable Development Programme of the Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperumbudur in association with Maharashtra Centre for Entrepreneurship Development, Amravati Division, Amravati, Vinayak Vidyamandir Mahavidyalaya, Amravati and Vinayak Vidyan Mahavidyalaya, Nandgaon Khandeshwar between 5th to 7th March, 2016.

The programme was inaugurated at the hands of Hon'ble Dr. S. A. Kalkar, Joint Director, Higher Education, Amravati and Dr. A. S. Dabir, Regional Officer, MCED, Amravati was the Key note speaker on this occasion. The inaugural session was chaired by Hon'ble Adv. Arunbhau Shelke, President, Shri Shivaji Education Society, Amravati.



Dr. Suresh Thakare, Vice President, Shri Shivaji Education Society, Amravati and Dr. V. G. Thakare, Principal of the college graced the function by their august presence.

The prime objectives of this programme were –

1. To instil entrepreneurship attitude in the students
2. To understand Entrepreneurship as a powerful tool for Women Empowerment
3. To cater to the needs of the students while exploring the means of earning to maintain decent livelihood.
4. To open up vistas for small scale business
5. To help build capacity by skill development to establish the identified small businesses
6. To support & guide students to obtain assistance in expertise, finance, resources etc.
7. To provide knowledge about opportunities & support from the government
8. To understand various Global Policies and Innovation to Foster Skill Development.



Overall 234 students from all the three organizing colleges were registered of which 177 students participated in the program. The programme concluded on 7th March, 2016 in the presence of Mr. Kiran Paturkar, President, MIDC Association, Amravati.

Extension & Outreach Activities

Department of Biotechnology

Guest lecture



The department organized a guest lecture of Dr. Aniket Gade, Associate Professor, Department of Biotechnology, SGB Amravati University, Amravati on Career Opportunities in Biotechnology on 2nd February, 2016.

Quiz Competition

Final year students of the department organized a quiz competition for I and II year students on general Biotechnology on 27th February, 2016.

Educational Visit

Educational visit was organized by our Biotechnology department to Biotechnology department, SGB Amravati University Amravati on 29th January, 2016.

Department of Zoology

Interactive meeting with eminent researchers



The department organized an interactive meeting with research fellow Miss Odacy Davis, RSPB UK and a BNHS-IBCN research officer on 12th July, 2016. Miss Odacy Davis took the review of Zoology Research Lab work on Ornithology in collaboration with IBCN.

Guest Lecture

The department organized a guest lecture of Dr. Jayant Wadkatkar on 'Indian Tiger: Past, Present and Future' as a part of World Tiger Day Celebration on 29th July, 2016.

Department of Chemistry

Awareness Program on Health & Self-Defence

This programme was arranged for the UG and PG students on 8th March, 2016 on the Women's Day by the Luminous Spark Guardian Teacher group in collaboration with the Women Cell of this college. The programme was inaugurated at the hands of Dr. Pushpa Junghare (Somvanshi), Prof. & Head of Gyn. & Obs. Department, PDMMC, Amravati, in the gracious presence A. P. I. Rita Uike. The students were guided on adolescence changes and had a healthy interaction with the students on gynecological problems. While the A.P.I. Rita Uike delivered a lecture on "Prevention is Better Than Cure" and also taught self-defense techniques.



"Late Dr. Nilay V. Bhamburkar Guest Lecture Series"

P.G. Department of Chemistry arranged 'Late Dr. Nilay V. Bhamburkar Memorial Lecture Series' on 10th February, 2016. This was the second year of the guest lecture. The guest lecture series was inaugurated at the hands of Prin. V.G. Bhamburkar, Secretary, Shri Shivaji Education Society. The function was chaired by Dr. V.G. Thakare.

In the lecture series Dr. V. M. Tangade, Prof. D.V. Parvate and Dr. N. N. Karade from Department of Chemistry, RTM Nagpur University, Nagpur delivered the lectures on 'Quantum Mechanics', 'Mossbauer Spectroscopy' and 'Organic Reaction Mechanism' respectively. Students from host institution and from different PG centers from in and around the town attended these lectures.

Visit to Industries and State/National Laboratories for UG Students

On 11th March 2016 M.Sc. students visited Vallabh Gas Production plant, Renuka Industry of Polymer, Shankar Refrigeration and Engineering Works.

On Thursday, 18th February, 2016, students from B.Sc. II (Bio) visited the Hydrology Project affiliated to the Irrigation Department, Amravati. In this visit students

got information about the sunshine recorder, rain gauge, Stevenson screen, anemometer, pan evaporator, wind vane etc. Again on Friday, 26th February, 2016 B.Sc. II (Maths) visited the Regional Forensic Laboratory, Amravati. In this Visit Dy. Director of RFL, Amravati Dr. Vijay Thakare, briefed the students about RFL.

Apart from these, on 7th April, 2016 the girl students from 9th class of Z.P. High School were guided over the importance of "Cosmetology Course & Job Opportunities".

Department of Geology

Department has started the Invigorate Wall Magazine programme with the guidance by Shri. Ajay Karve, Deputy Director of GSDA, Amravati Division, Amravati and arranged guest lectures by Prof. Satish V. Kulkarni, Associate professor, Dept. of Geology, Bhartiya Mahavidyalay, Amravati on "Career Opportunities in Geology".

Department of Environment Science

Noise Pollution Monitoring (Best Practices)

Noise Pollution Monitoring is regularly conducted by daily monitoring of noise levels during peak hours, at Rajkamal, Gadge nagar, Rajapeth, Court and Bus stand area in Amravati. 2 students Mr. Kiran Jadhao & Mr. Shrikant Ulhe from the department carry out this monitoring task.



The activity is conducted for the noise pollution abatement and to increase public participation while tackling the problem of noise pollution. The data is provided to local TV channel to create awareness in curbing pollution.

Industrial Visit

45 Students of B.Sc. III & M.Sc. I & II from the department of Environmental Science visited the Sofia Power Plant on 06/02/2016. The visit was led by Dr. S. P. Ingole, Prof. K.J. Gawai, Ms. A. U. Kakde, Ms. Shilpa Mahajan & Ms.

Sonali Dalankar. The plant incharge Mr. Nimkar guided & explained the procedures followed by the power plant.

Industrial Visit

About 40 students led by Prof. K.J. Gawai visited Plastic & Tyre Industries of MIDC, Amravati on 18th February, 2015. The manager of the factory acquainted the students about the types of tyres, their manufacturing and re-moulding. Later the students visited the plastic industry from MIDC, Amravati. The technician of Sahuji Plastic Industry gave out the information about plastic molding.

Tree Plantation Programme



On the occasion of tree plantation programme as scheduled on 1st July, 2016 by the Government of Maharashtra the Environmental Science Department and the Environment Cell organized tree plantation programme at Shivwadi area of Shri Shivaji Science College, Amravati. Nearly 25 types of plants were planted in and around the college premises. The prime motive of the entire exercise was to create social awareness about the importance of tree plantation.

Local visits to Water treatment plant (Extension activity)

The Department of Environmental Science visited the Drinking Water Treatment Plant situated off Mardi Road,



Amravati. The visit was arranged by Dr. S. P. Ingole & Ms. A. U. Kakde on 23rd July, 2016. This purification works totally on the principle of gravitational flow of water. Total 45 students of B.Sc.-III & M.sc. II year visited the plant. The plant in charge Mr. Chetan Tadas guided the students and explained the procedures followed by the Maharashtra Jeevan Pradhikaran.

Department of Microbiology

Guest lecture

The Department of Microbiology organized a guest lecture by Dr. V. Oke, Associate Professor, Dr. Panjabrao Deshmukh College of Agricultural Biotechnology, Amravati on 5th April, 2016.



Department of Physics

Observation of an Astronomical Event:

The Conjunction of Saturn, Venus, Moon, Mars and Jupiter



The Astronomy Club of the department had arranged a sky watching programme at the Green Circle Science Center on Mardi Road, Amravati. On this occasion Dr. V. T. Ingole, Director of Green Circle, delivered a lecture and shared his experiences about patent filing and archeological survey of caves from Satpuda ranges. On the very night students enjoyed the conjunction of Saturn, Venus, Moon, Mars and Jupiter with the help of Astronomical Telescope.

Department of Languages



'Marathi Bhasha Diwas' was celebrated with great fervour and enthusiasm on 28th February 2016 under the guidance of the Principal, Dr. V.G.Thakare. For this function L.N.Gawande was the Chief guest and Professor Dr. P.W. Deotare was in the chair. The programme was inaugurated by lighting the traditional lamp.

On this occasion, in his speech, the chief guest stressed the importance of Marathi as a medium of instruction while learning. In his presidential speech Dr. P.W. Deotare threw light on the development of the countries like China and Japan that promote dissemination of mother tongue and create fuller awareness of linguistic and cultural tradition. He also illustrated the significance of Marathi in the studies of scientific discoveries.

Library

The user group of our library submitted a newspaper clipping project on Late Dr A.P.J. Kalam on his birth anniversary. The project is informative about the life and achievements of Dr. A.P.J. Kalam, the former President of India. The project was undertaken to cultivate reading habits among the students.

Department of Physical Education

Felicitation of Achievers & Celebration of National Youth Day





The Physical Education department organized the felicitation of the best performers in Games & Sports, Cultural Activities, NCC & NSS on 12th January, 2016. The students were felicitated at the hands of Dr. Avinash Asanare, Director of Physical Education and Sports, Sant Gadge Baba Amravati University, Amravati. Dr. Sureshrao Thakare, Vice President, Shri Shivaji Education Society, Amravati presided over the function. Dr. V. G. Thakare, Principal, Shri Shivaji Science College, Amravati was present on the dais.



Extension activities during Jan 2016 to June 2016

Summer coaching Camps :

- ❖ Three coaching camps for swimming were organized at Late. Anant Panjabrao Deshmukh Memorial Swimming Pool during the below listed durations -
10th April to 5th May 2016
06th May to 31st May 2016
01st June to 25th June 2016
- ❖ A Cricket coaching camp was organized on the college play ground. during the period from 10th March to 09th April 2016.
No. of Participants: 115.
- ❖ A Yoga Coaching Camp was organized on the college play ground during the period from 10th April to 09th May, 2016.
Also, the department organized the celebration of International Yoga Day in the College Auditorium on 21st June, 2016.

Celebration of National Science Day

National Science Day was celebrated in the College on 27/02/2016. Dr. M. K. Rai from P. G. Department of Biotechnology, Sant Gadge Baba Amravati University, Amravati was the chief guest while Principal Dr. V. G. Thakare chaired the inaugural function. Prof. L. N. Gawande and Dr. S. D. Patil were also present on the dais. Dr. M. K. Rai, in his informative speech, explained the importance of nanotechnology in human life. Dr. Rai also discussed the issues of feeding the global population which already surpassed 07 billion in 2011 and which is expected to increase to 9.1 billion by 2050. In this situation nanotechnology is the hope for solving the problems through nano food and nano based products like nano-pesticides, nano-fertilizers and nano-fungicides.

Dr. V. G. Thakare, the college principal, elaborated on the need to spread the scientific awareness among the masses.



National Service Scheme (NSS)

National Service Scheme (NSS), Shri Shivaji Science has undertaken various activities related to social and rural development such as awareness of health, water conservation, AIDS, plantation, entrepreneurship development, blood donation, natural disaster management, tribal women development, Gadgebaba Gram Swachhata Abhiyan with the help of 200 NSS volunteers throughout the year. The main aim behind organizing such activities is to motivate the students and make them sensible regarding social responsibilities. NSS special camp was organized at Naya Akola during 2nd to 9th February 2016. During the camp period NSS volunteers cleaned and repaired the play ground of Z.P. School of Naya Akola. Special awareness programmes on; Cleanliness, Save Girl Child, Environment, Women Empowerment etc were organized for village people.

National Cadet Corps (NCC)

A 15-Day yoga camp was organized from 6th June to 20th June, 2016 to mark the International Yoga Day on 21st June, 2016. The camp was conducted at Vidyabharati Mahavidyalaya, Amravati. In all 60 cadets participated in the yoga camp. The camp was conducted by Lt. Dr. R.R. Khokale, ANO, 4 Mah. Girls Battalion, Amravati.

Career Counseling & Coaching at entry level Competitive Examination Cell

To facilitate the entry of the students in to the area of entrepreneurship, the Career Counselling Cell established a Memorandum of Understanding with the Maharashtra Centre for Entrepreneurship Development, Amravati Division, Amravati.



This memorandum aimed at exploring opportunities available for students to be a successful businessman. Three year charter was formulated and both sides

mutually consented to implement the same in forthcoming years. The MoU was exchanged between the college Principal Dr. V. G. Thakare and Dr. Abhiram Dabir, Regional Officer, Amravati Division, Amravati, in presence of the Convener of the Cell Dr. Dinesh Khedkar and State Officers of MCED Mr. Pradip Ingale and Mr. Jape.

SHIVOTSAV-2016

Annual social gathering of the college “Shivotsav 2016” was organized on 30th & 31st January, 2016.



Hon'ble Shri Sunil Nikam, Alumni of the college and Assistant Commissioner, Amravati was the chief guest, whereas Hon'ble Adv. Arunbhau Shelke, President of Shri Shivaji Education Society, was the president for the function and Dr. V. R. Ghurde, Ex Principal of the college was the guest of honour. During the inaugural ceremony as many as 39 GOLD MEDALS were distributed to meritorious students from junior college, undergraduate and post graduate programmes.



Faculty Achievements

Awards & Recognitions

- ❖ Dr. H. S. Lunge, Associate Professor, Statistics Department and IQAC Co-ordinator was honoured with the "Best Teacher Award-2016" from the senior college category.



- ❖ Shri N. R. Bondre, Jr. college teacher was honored by the college with the "Best Teacher Award -2016" from the junior college category.



- ❖ Shri S. P. Waghmare, Lab. Attendant, Computer Science Department was honored by the college with the "Best Non-teaching Staff Award -2016".



- ❖ Dr.G.A.Wagh has bagged the State level Srushti Mitra Award 2015 (Appreciation) from Environment Department of the Maharashtra Government for 'Model of Biodiversity Register.'



- ❖ Lieutenant Dr. Revati R. Khokale, Librarian, successfully completed the ANO training at Officers Training Academy, Gwalior (MP) held during 18 January to 16 April, 2016. She participated in firing, map reading, cultural programme and NAIP. She was awarded the commandant's best performance certificate in National Integration Awareness Programme of NCC.



Faculty as a resource person

Dr.G.A. Wagh, delivered a lecture on 'People's Biodiversity Register (PBR)' on the occasion of the celebration of World Biodiversity Day on 22nd May, 2016 at Melghat Tiger Reserve Office, Amravati auditorium. He also delivered a lecture on 'Immunology' at Brijlal Biyani College, Amravati.

Students' Achievements

Academic Achievements

Meritorious Students those who succeeded to get positions in Sant Gadge Baba Amravati University Merit list for 2014-15 academic session.

Miss Kirti Thakare	M.Sc. Comp. Soft.	1 st Merit
Miss Veena Bobade	M.Sc. Env. Sci.	1 st Merit
Miss Dipika Bondre	M.Sc. Comp. Soft.	2 nd Merit
Miss Ashwini Kawadkar	M.Sc. Env. Sci.	2 nd Merit
Miss Ruchika Hurkat	M.Sc. Comp. Soft.	3 rd Merit
Miss Ankita Thakare	M.Sc. Env. Sci.	3 rd Merit
Miss Ankita Nahe	M.Sc. Physics	4 th Merit
Miss Suvarna Ghongade	B.Sc.	7 th Merit
Miss Monali Khobragade	B.Sc.	8 th Merit
Miss Diya Santani	B.Sc.	9 th Merit
Miss Nikita Tembhare	B.C.A.	7 th Merit
Miss Amruta Bhojane	B.C.A.	9 th Merit

Best student Award



Miss. Shrushti Mandlik
Student of 12th std received
the Best Student Award (2015-16)
from Junior College Category.



Miss Snehal Holey
Student of B.Sc. III received
the Best Student Award (2015-16)
from Under Graduate Category.



Miss Diksha Pawar
Student of M.Sc. II (Physics) received
the Best Student Award (2015-16)
from Post Graduate Category.

Mr. Vijay Gotmare : Student of B.Sc. II selected as Best NSS volunteer (2015-16).

Miss Aditi Chawale : Student of B.Sc. II selected as Best Player (2015-16)

Upcoming Events

- ❖ District Level **Avishkar-2016**, to be held on 7th October, 2016.
- ❖ Two days Workshop on **Inculcation of Activity Based Learning Practice in Science & Mathematics Teachers at Secondary Level and Exploration of Innovative Practices in Teaching-Learning and Evaluation Methods**, to be held on 30th November & 1st December 2016.
Supported by: National Council for Science and Technology Communication,
Department of Science and Technology, New Delhi.
Collaboration: Homi Bhabha Centre for Science Education, Mumbai,
Asian Association for Biology Education (India Chapter), Techshiksha, Navi Mumbai.
Rajaj Science Education Centre, Wardha.
Association: Dr. Panjabrao Deshmukh Memorial Science Centre, Amravati.
Dr. Panjabrao Deshmukh Human Resource Development and Training Centre, Amravati.
- ❖ NAAC Sponsored **National Level Conference on Academic and Administrative Audit of Higher Education Institutions**, to be held on 9th & 10th December, 2016.



Pulses for a healthy diet

Pulses are rich in **complex carbohydrates, micronutrients, proteins and B-vitamins.**

Therefore, pulses are a **vital part of a healthy diet.**



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Internal Quality Assurance Cell Newsletter 0

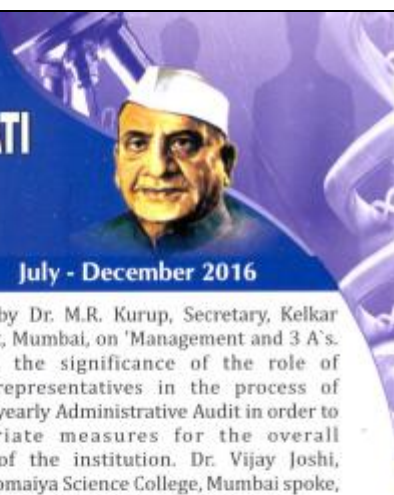
July-December 2016



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

NAAC Accredited 'A' Grade (Very Good) with CGPA 3.13
College with Potential for Excellence



Vol 3 . Issue 2

July - December 2016

IQAC NEWSLETTER

NAAC sponsored National Conference on Academic and Administrative Audit (AAA) of the Higher Education Institutions

The Two-Day NAAC sponsored National Conference on Academic and Administrative Audit (AAA) of the Higher Education Institutions, was organized by the Internal Quality Assurance Cell (IQAC) of the college on December 09-10, 2016. The objective of the conference was to facilitate an understanding of the importance of Academic and Administrative Audit (AAA) of the Higher Education Institutions and to encourage self-evaluation and accountability in higher education institutions. The conference convener Dr. V. G. Thakare, Principal, while welcoming the guests and the delegates for the conference, appraised the gathering on the working of the college IQAC. The inauguration session was chaired by Adv. Arun B. Shelke, President, Shri Shivaji Education Society, Amravati.



The conference was inaugurated by Dr. S. P. Kane, Vice Chancellor of RTM Nagpur University, Nagpur. Speaking on the occasion, Dr. S. P. Kane elaborated on the concept of Academic and Administrative Audit and its relevance in higher education institutions. He explained the rationale and the need for conducting AAA through external peers. The conference proceeding of nearly 157 pages, having ISBN number, which includes the keynote address, invited talks and twenty six full length papers of the participants, was published at the hands of the inaugurator.



The National conference witnessed the participation of 143 delegates comprising of Principals, IQAC coordinators and faculty from various colleges. Dr. R. G. Pardeshi, Principal, Fergusson College, Pune, delivered the keynote address on 'Academic and Administrative Audit: A Quality Assurance Tool'. The first invited talk

was delivered by Dr. M.R. Kurup, Secretary, Kelkar Education Trust, Mumbai, on 'Management and 3 A's'. He illustrated the significance of the role of management representatives in the process of conducting the yearly Administrative Audit in order to take appropriate measures for the overall improvement of the institution. Dr. Vijay Joshi, Principal, K. J. Somaiya Science College, Mumbai spoke, in the second invited talk, on 'AAA Ritual or Tool?'

The Panel Discussion Session on the theme of the conference was organized on the second day under the chairmanship of Dr. P.G. Yeole, Pro- Vice Chancellor, RTMNU, Nagpur, and as the learned members of the panel, Prof. N. S. Nikam, President, Maharashtra Principals' Federation, Pune, Prof. V. G. Bhamburkar, Secretary, , Dr. S.F.R. Khadri, Director, IQAC, SGBAU, Amravati and Dr. P. B. Raghuvanshi, President, NUTA actively participated in the discussion. The delegates presented their queries in the process of internal and external audit and those queries were answered by the panel members. There was a two way fruitful interaction between the panel and the delegates. Paper presentation session, was chaired by Dr. V. S. Jamode, in which twenty six papers were presented on AAA, by the participants. The valedictory session was chaired by Principal Dr. V. G. Thakare along with the guests like Dr. S.F. R. Khadri and Dr. V. S. Jamode. The IQAC coordinator and organizing Secretary Dr. H. S. Lunge and all IQAC members Dr. P. W. Deotare, Dr. W.S. Barde, Dr. P.R. Padole, Dr. Mrs. S.P. Ingole, Dr. G.A. Wagh and Sh. V. V. Hebbar took great efforts for the successful organization of the event



DST Sponsored Two Days Workshop for High School Teachers

The Two-Day Workshop on "Inculcation of Activity Based Learning Practices in Science and Mathematics Teachers at Secondary Level and Exploration of Innovative Practices in Teaching , Learning and Evaluation Methods" was organized from 30th November to 1st December, 2016. This workshop was catalyzed by National Council for Science and Technology & Communication, Department of Science and Technology, New Delhi. The collaborators for this

workshop were Homi Bhabha Centre for Science Education, Mumbai, Asian Association for Biology Education (India Chapter), Techshiksha, Navi Mumbai and Bajaj Science Education Centre, Wardha.



An inaugural ceremony was held under the chairmanship of Hon'ble Adv. Arunbhau Shelke, President, Shri Shivaji Education Society, Amravati. keynote address was delivered by of Dr. Arun Sapre, Member Secretary, Rajiv Gandhi Science and Technology Commission (RGSTC), Govt. of Maharashtra. Mr. S. M. Yadgire, Secretary, MSS&HS Board, Amravati Division, Amravati, Dr. Nirankush Khubalkar, President, Asian Association for Biology Education (India Chapter), Prof. S. N. Deshmukh, also graced the occasion. The session on the theme "Biology Learning – A Fun" was conducted by faculties from Homi Bhabha Centre for Science Education, Mumbai, Dr. Rutwik Thengodkar and Mr. Karun Hambir



Second session "Rising Mathematic Understanding level of School Students" was dealt by Prof. Veena Deshmukh, Shreemati Nathibai Damodar Thackersey Women's University (SNDT), Mumbai. Activity Based Learning for Physics and Electronics was promoted by Mr. Amit Modi, Director, TechShiksha Science Hub, Navi Mumbai. On the second day talk on Bridging Gaps - Classical vs Modern Teaching Methods by Mr. Manohar Mali, Vice Principal, was organized. This was followed by interactive session by Mrs. Sunita Khadse, Head, Department of Chemistry, Bajaj Science Centre, Wardha on the topic "Chemistry – Through Activities". Next interaction was organized between the participants and Commonwealth Best Teacher Award Winner Dr. Tushar Tamhane. He demonstrated a fantastic way to deliver complex concept of Physics in the classroom through inquiry based approach.



Post lunch sessions dealt with presentations by participants and a talk by Dr. Dinesh Khedkar, coordinator, on Methods of Science Teaching at High School Level. The workshop was concluded in the presence of Mr. A. K. Chitaliya, Principal, Manibai Gujrati High School, Amravati as a chief guest and Dr. V.G. Thakare as the chair person of the valedictory function.

Inter-Collegiate Research Festival (Amravati District) Avishkar-2016

It's a matter of immense pleasure that Hon. Vice Chancellor, SGBAU has nominated Dr. Dilip Hande as the District Coordinator for the organization of Amravati district level Avishkar -2016 in our college for U.G., P.G., Post PG (Ph.D.) and teachers pursuing M.Phil. and Ph.D. The research festival was organized to inculcate the research attitude among the students and motivating them to take up research works



The event was organized on 7th October 2016. A total of 175 posters and models from six disciplines were registered for the event from above subjects from different colleges from Sant Gadge Baba Amravati University, Amravati. The posters and models were presented by two or three students. In all 500 students had directly participated in the event and 200 more students visited the venue to peruse the posters and models presented by various colleges.



Dr. Murlidhar Chandekar, Vice Chancellor, inaugurated the festival. Hon. Adv. Arunbhau Shelke, President of presided over the function. Dr. Anand Aswar, Coordinator Avishkar Cell, was present for the ceremony. Introductory speech was delivered by Dr. V.G. Thakare, Principal, Dr. Dilip Hande, gave vote of thanks. Prof. M.A. Ali, was the chief guest for the valedictory function of Avishkar- 2016. Dr. V.G. Thakare, presided over the function and Dr. D.V. Hande presented the report. Finally 28 posters and models of 56 researchers from Amravati district were selected for University level Avishkar- 2016. For the evaluation of presentations 14 jury members were invited who played a very significant role in the selection of participants for university level Avishkar.

Department of Computer Science

COMSOFT- 2016-17

The ComSoft society was formed by P.G. students of Computer Science Department & was inaugurated on September 24, 2016 at the hands of Dr. Avinash Manwar, P.G. Department of Computer Science, SGBAU, Amravati. This function was presided over by Prof. Hemant Deshmukh, Head, Department of Computer Science. Prof. C.H.Sawarkar & Dr. Parag Kaveri were present as guests of honor for this inaugural function. All the dignitaries were felicitated & then Prof. Mukul Bhonde, the coordinator, briefed the gathering about the objectives of the formation of this ComSoft Society. Dr. Avinash Manwar talked about how to prepare for the NET-SET examination along with the PG studies. He guided the students over selecting the subjects of your choice for NET-SET. Prof. Sawarkar & Dr. Kaveri also spoke on this occasion and guided the PG students.

The ComSoft society organized an intercollegiate seminar competition for P.G. students in Computer Science & Application. Total eighteen students from nine colleges under SGBAU jurisdiction participated in the competition. The winners were given cash prizes. Ms. Nikita Mehare from Shri Shivaji College, Akola got the first prize, Ms. Bhagyashri Janjabi of G.S.College Khamgaon got the Second prize and Ms. Vidhi More of SGBAU got the third prize in the competition. The certificates of participation were distributed to others



TECHNOTSAV-2016

An event 'TECHNOTSAV-2016' for U.G. students. The inaugural function was presided by Dr. V.G.Thakare, Principal, in the auspicious presence of Mr. Arun Ranvir, District Informatics Officer, NIC, Amravati as the chief guest. Prof. Hemant Deshmukh, along with his colleagues, Prof. V.W. Labade & Prof. Mukul Bhonde were present on the dais on this occasion. Mr. Arun Ranvir praised the Digital India Project while addressing the students & appealed for the promotion of digital lockers provided by the government to protect & secure our important documents.

Under the 'Technotsav-2016', the BCA students organized various competitions like Blind Programming, LAN gaming, Quiz, Poster Presentation, Paper Presentation, etc. The event had received good response from the UG students. Dr. Umesh Kale distributed the prizes and focused on the importance of programming as well as logic development.

Department of Botany

Ecofriends – An Extension Activity

A Street play was performed by the members of Ecofriends to generate awareness amongst school children regarding the hazardous effects of POP and other unhealthy practices during Ganesh festival on 1st September, 2016 in Rajeshwari School

and Aadarsha Prathmik Shala. This street play was specially set on this burning issue of environmental pollution during this festival.

Matische Ganpati Abhiyaan: Every year Ganesh idols are prepared with plaster of paris using chemical colors which



pollute our environment. Hence this campaign of clay idols was organized to spread awareness regarding the hazardous effects of plaster of paris (PoP). The inauguration of the campaign was held on 3rd September, 2016. Hon'ble Adv. Arunbhai Shelke, President, was the chairman for the program and Hemantkumar Pawar, Municipal Commissioner, Amravati was the inaugurator. Dr. Suresh Thakare, Vice-president, H.B.Thakare, Treasurer, Shri V.G.Bhamburkar, Secretary, Shri Arwind Mangale, Shri Sangole, Dr. V.S. Jamode, and Dr.V.G.Thakare, Principal, were specially present for the inauguration. In all 300 Clay Idols of Lord Ganesh were purchased by the people. Appeal from Ecofriends: To keep the classrooms neat and clean some special dustbins were prepared from waste boxes by members of Ecofriends with messages regarding environment conservation and cleanliness. These dustbins were kept in all the classrooms on October 17, 2016.

Department of Chemistry

CHEM-QUIZ-2016

The interclass quiz competition for the B.Sc.I students offering Chemistry was held on Monday, October 17, 2016. The four teams that participated in this quiz competition



were alpha, beta, gamma and delta. 9 students took part in the quiz. There were three rounds, round I MCQ round, round II buzzer round, round III rapid fire round. The questions on chemistry were displayed with the help of an LCD projector. The team Gamma was the First Prize winning team and team Delta team bagged the Second Prize All the students greatly enjoyed this event.

APTITUDE TEST IN CHEMISTRY

Seventy six students from B.Sc.I participated in the aptitude test that was held on Wednesday, 28th September, 2016. It was an objective type multiple choice questions test. There were

sixty questions and the time allotted was one hour. The following students were awarded 1st, 2nd and 3rd ranks. They were later felicitated by the Department of Chemistry. Ms. Shraddha Pawar (PCM) – First Prize, Ms. Janhavi Petale (PCM)- Second Prize and Ms. Shweta Sahu (PCM)- Third Prize.

Science Awareness Program

Science Awareness Program for the school children of Shri Shivaji Multi Purpose High School, Amravati was organised on Tuesday, 9th August, 2016. It was a two-fold activity by the B.Sc. I and III year students. The theme of the exhibition was to demonstrate syllabus oriented, conceptual, and basic science experiments. The principal of the school, Dr. Vijay Muley inaugurated the program, accompanied by Vice Principal Mr. Malvey, Incharge, Ms. Archana Ardak, Dr. G.N Chaudhari.



Seminar on "HEALTH & BEAUTY TIPS"

A seminar on "HEALTH & BEAUTY TIPS" was arranged for Cosmetology students on Saturday, August 6, 2016. The chief guest, Dr. Minakshi Rajurkar, Sukhakarta Skin City, Amravati delivered a talk on nutritive diet and its correlation with beauty. She gave some beauty tips with stress on hydrating the body.

Placement drive

A Placement Drive was arranged on 24th August, 2016. The Placement Officer, Mr. Manoj Kumar, State Project Coordinator, RMSA, Maharashtra, Mumbai was present who guided the students on the topic "Selection and Working Criterion". During the drive 6 students were selected who later received appointment orders and these selected students joined the jobs too.

Department of Environment Science

Visit to Drinking Water Treatment Plant

A visit to the drinking water treatment plant on Mardi road was arranged to acquaint the students of B.Sc. III with the treatment procedures followed by the Water Treatment Plant during water purification.

Inauguration of Environmental Science Society:

On 10th August, 2016 the Environmental Science Society was inaugurated by Dr. A. B. Bhosale, as the guest of honor.



Guest Lecture

A Guest Lecture was delivered by Dr. Y. P. Lojge, SRTM University, Nanded, on the topic, "Future Prospects of Environmental Science".

Ozone Day Celebration

A Bicycle Rally was organized in collaboration with Environmental Cell and Green Berets on September 16th 2016.



Visit to NEERI, Nagpur

Students of M.Sc. II and B.Sc. III visited the National Environmental Engineering and Research Institute, Nagpur on 12th August, 2016.

Participation in public awareness by use of clay idols for Ganesh Chaturthi.

Students from the department of Environmental Science participated in the awareness campaign "Matiche Ganpati Baswa" for guiding and awakening the people about the use of Ganesha idols prepared from mud and clay.

World Environmental Health Day

On 26th September, 2016, on the eve of the World Environmental Health Day a guest lecture was organized



for the female students on "Adolescence Issues in Females" in the college auditorium. Dr. Pranjal Sharma and Dr. Lalita Lokhande guided the students on health and hygiene problems of women and prescribed solutions therein.

Ganesh Idol from Waste paper

The students of M.Sc. prepared Ganpati idols from waste paper generated from the various departments of the college.

Breast Cancer Awareness Week

The Breast Cancer Awareness Week was organized from October 1-7, 2016 at PDMC, Amravati in collaboration with Cancer Foundation, Amravati. Students actively participated and worked as volunteers in the Free Check-Up Camp.

Participation in Vasundhara Festival: 10th October, 2016

Skit on Environmental awareness was presented by M.Sc. II students. Ms. Kalyani Ingale was awarded II prize for best actress. Mr. Kiran Jadhao B.Sc. III got II prize for eco-talk.



Department of Microbiology

Educational Tour

The Department of Microbiology organized an educational tour of B. Sc III Microbiology students along with Profs in charge Dr S. D. Patil and Miss Suwarna S. Mankar to CSIR-National Environmental Engineering Research Institute Nagpur on 26th August, 2016. Students visited and interacted with the scientists from different divisions, including Environmental Health Division, Environmental Biotechnology and Genomics Division, Environmental, Virology Cell, Water technology and Management Division, Wastewater Technology Division and Air Pollution Control Division. Students of B.Sc III (Sem V) visited Water Treatment Plant at Masod, Amravati on dated 29th July, 2016 under the guidance of Dr. N. N. Vidhale. All students visited the plant from 10.30 to 2.00 pm and observed and learned complete process of water treatment step by step from aeration process to final chlorine treatment and storage.



Virtual Lectures

Virtual Lectures were arranged for Microbiology students in the department on 3/01/2017 and 10/01/2017 on Recent Trends in Biotechnology by Prof. A. M. Deshmukh, Director Center for Cultivation of Microbiology, Osmanabad, M. S., India. The student unit of department of Microbiology organized a guest lecture by Dr. S R Gulhane, Bhartiya Mahavidyalaya, Amravati on the topic "Effectivity of Biofertilizers" on 31st August, 2016. Department also organized inaugural ceremony of Microbiological Society. The chief guest was Dr. Aarti Deshpande, Head Department of Microbiology, Shankarlal Khandelwal College, Akola. The students unit conducted essay competition and Quiz competition. Ms Gargi Chaudhari grabbed First prize in Essay competition and Ms Rakshita Ukesh Grabbed First prize in Quiz competition.

Department of Biotechnology

The department of Biotechnology visited CICR Nagpur. The visit was arranged by Dr. C S Ukesh & Mr. N K Agrawal on 26th

August, 2016. The department of Biotechnology arranged the inauguration "Biogen Society" & a guest lecture of Dr. Nandeshwar, Head & Senior Scientist, CICR, Nagpur.



Department of Physics

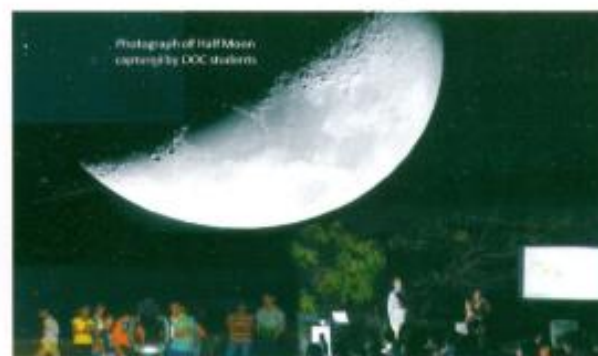
Social Activity

Students visited "Matoshri Vruddhashram" on 12th February, 2017. During the visit students organized Cleanliness Drive in the "Vruddhashram" premises. Students also had the interactions with the old people residing there.



Akash Darshan

An event on sky watching and astronomical study for school students was organized by C.O.C. and Astronomy & Astrophysics group on 4th March, 2017 and the students distributed fruits and other items for daily needs.



Physics Society Inauguration and Guest Lecture

Physics Society was inaugurated on 17th September, 2016 at the hands of Prof. L. N.Gawande, Rt. Head of Department. He delivered the popular lecture on Astronomy on this occasion. A lecture on "Career Opportunity" was delivered by Mr. Manish Chavan, an alumni of the department, on 16th July, 2016.

Department of Zoology

Cycle Rally and Plastic Removal Drive

Department of Zoology organized Cycle rally and Plastic removal drive at Chatri lake as a part of Wild Week celebration on date 02nd October 2016 in collaboration with Melghat Tiger Reserve Office and Wildlife and Environment Conservation Society, Amravati. Teachers and students participated from the department in Cycle rally.

Dr. Salim Ali Birth Anniversary programme was organized in collaboration with Wildlife and Environment Conservation Society, Amravati on 12th December, 2016. During this program 'Bird feeders' were distributed to bird watchers at the hands of Prof. Murtuza Ali. On 13th December, 2016 the Department conducted'



'Bird Watching Programme' at Chatri Lake for U.G. and PG students. Students observed migratory and residential bird species.

Dr. N. V. Bhatkar delivered a lecture on 'Nerve Physiology' in Department of Zoology, Bhartiya Mahavidhyalaya, Amravati on 21st September, 2016.

Dr. G. A. Wagh delivered speech at 17th Vidarbha Pakshimitra Sammelan 2016 as a former president held on 10th December, 2016 at Bapukuti, Sevagram, District-Wardha.

Department of Statistics

Dr. S. P. Kane, Vice-Chancellor of RTM, Nagpur University has visited the department on 5th September 2016. Principal and all staff members of the department were present.



Department of physical Education

Inter Collegiate Basketball (Women) Tournaments 2016 : Physical Education and Sports Department organized SGBAU Inter Collegiate Basketball (Women) Tournaments 2016-17 on College Basketball Court from 16-09-2016 to 19-09-2016. 37 Women Team participated in this tournament. The Inaugural ceremony was held in which Dr. V. G. Thakare, Principal and guests Shri Ganesh Jadhav, District Sports Officer, Amravati, Dr. Madhuri Chendake, Chairman, SGBAU Basketball (Men/Women) was present.



Selection Committee and Shri Bhau Belsare graced the occasion with their presence. Our College team was declared the runner up team and Ms Akansha Mahure, Ms Tejaswini Kadam and Ms Mayuri Bambal were selected for West Zone Inter University Tournaments and Maharashtra State Inter University Tournaments (Ashwamedh-2016).

Inter Collegiate Volleyball (Women) Tournaments and selection trials 2016-17

The SGBAU Inter Collegiate Volleyball (Women) Tournaments and selection trials 2016-17 on College were organized on Play Ground from 13-10-2016 to 16-10-2016. The Inaugural ceremony was held in which Dr. V. G. Thakare, Principal along with the guests Prof. Kishor Deshmukh, Prof Satish Modani, Prof Vilas Thakare, Prof Sanjay Kale, graced the occasion and visited the tournaments. Ms Tejaswini Bambal, Mr. Saurabh Kalmegh and Mr. Vinay Wagh of our college were selected for West Zone Inter University Handball Tournaments.

"Shivaji Olympiad" Basketball Men and Women district and division level tournaments

The Department also organized Shri Shivaji Education Society, Amravati's "Shivaji Olympiad" Basketball Men and Women district and division level tournaments and college women and men team secured I place in Final tournaments. College Badminton (Men and Women) team also secured I place in Final tournaments. Department also contributed in organization of district, division and state level school tournaments of basketball, handball, dodge ball and ball badminton.



Library and Network Resource Centre

Book Exhibition: A Two-Day book exhibition was organized by Library on 12th & 13th August, 2016 to mark the birth anniversary Dr S.R. Ranganathan, Father of Library Science. The Book Exhibition was inaugurated by Dr Neha Bhatkar, Lecturer from department of Zoology of our college. On this occasion Principal, Dr V.G. Thakare and other staff members graced the function by their presence. Local publisher/book sellers were invited for the exhibition.



NCC

A Program on "BHIM APP" Awareness and its Application was organized on the eve of National Youth Day on 12th January, 2017 for NCC cadets. The chairman for this program was Dr. V.G.Thakare Principal, Shri Shivaji Science College, Amravati. The speaker Shri Samdekar, Manager, Central Bank of India, Amravati Branch delivered his lecture on e cashless transaction and BHIM APP for NCC cadets.

On the eve of Army Day on 15th January, 2017 cadets took a Pledge of Swachh Bharat Abhiyan at the Hands of Honorable Principal Dr. V.G.Thakare . Fifty cadets participated in this activity and gave the message to the society. Tree plantation by 25 cadets at Tapovan on 1st July, 2016 to celebrate the Environment Day. 25 NCC cadets participated in Blood Donation camp organized by NSS on 3rd September, 2016.



Ozone day was celebrated by Environmental Cell on 16/9/2016. 25 NCC cadets participated in the cycle rally. World Environmental Health day was celebrated on 26/9/2016. Dr. Pranjal Sharma delivered a lecture on the title "Kali Umaltana".

NSS

Cycle Distribution

NSS unit of the college distributed bicycles to poor and needy students of the college on 15th August, 2016, at the hands of Principal Dr. V.G. Thakare and senior teachers of the college. This activity is run by collecting old news papers and scraped old notebooks by NSS volunteers and selling them to raise funds. Two meritorious and economically needy students were chosen for cycles.



Swaccha Bharat Abhiyan

'Swacch Bharat...Swastha Bharat' i.e. Clean India programme was followed by NSS volunteers by cleaning the college campus as well as Amravati Railway station.

Blood donation camp

Blood donation camp was organized on 03rd September, 2016 in college main hall inaugurated at the hands of Dr. Govind Kasat in the presence of Principal Dr. V. G. Thakre. 53 bottles of blood were collected by the students and staff.

Vittiya Saksharata Abhiyaan

NSS volunteers registered online for cashless economy project started by Ministry of Human Resource Development, Government of India under (VISAKA) Vittiya Saksharta Abhiyan and were trained in workshop at HVPM Amravati and counseled various target groups in society.

Environmental awareness rally

Environmental awareness rally was organized on Ozone day in collaboration with Environmental Science department and NCC unit of college around city area to create awareness in society.

Tree Plantation

Tree plantation program was conducted in college on 1st July, 2016 in college campus and about 52 tree sapling was planted by various teaching and non teaching staff of the college.

Alumni Association

The executive committee has decided to provide, as a regular practice, financial support to the poor and economically backward students of the college. The students were identified through Guardian Teacher Scheme and amount of 38000/- rupees were distributed amongst seven needy students. The alumni Sh Raut has delivered a lecture to the students about job opportunities in Physics.



Students' Achievements

Mr. Yash Puri, bagged first prize, in Inter University Research Festival held at RTM University, Nanded, for his model of innovative Washing Machine. He represented SGBAU under Science and Engineering discipline.



Mr. Sandip Nagmote ARS NET qualified was selected as Assistant Professor at Sakarkherda.

Mr. Shilanand Hiwarale: Qualified CSIR NET and SET July 2016

Mr. Himanshu Jaiswal: Qualified CSIR NET July 2016

Ms. Rutuja Tathod of B.Sc. II (PCM) bagged First Prize in Intercollegiate Seminar Competition organized in the college.

Miss Diksha D. Pawar cleared 2016 entrance examination of Amrita University of Medical Sciences, Kochin (Kerala) for PG Diploma in Medical Radiology.

Mr. Rajesh Vairale, B.Sc. III(PCM) participated and successfully completed Radio Astronomy Winter School-2016, at Inter University Centre for Astronomy and Astrophysics (IUCAA) Pune during 14th to 23rd December, 2016.

Ku. Aditi N.Chimote bagged First Prize in Indian Science Congress sponsored Inter University Seminar Competition for students on 'Role of Biodiversity for National Development' organized by Department of Zoology, Mahatma Fule Mahavidyalaya, Warud on 1st October, 2016.

Mr. Kiran R. Jadhao bagged Second Prize in Seminar Competition during 'Vasundhara Festival 2016.'

Cadet Shashikant Patil of B.Sc.II has been selected for Thal Sainik Camp (TSC-2016) Delhi.

Cadet Divyanash Gupta has been selected in National Defence Academy (NDA) in Navy wing through SSB Bangalore and achieved 95th in All India Ranking.

Cdt. Ashwin S. Tayde has been selected in Army and is on training course in Sagar (M.P.)

Ms. Sujata Pachghare and **Ms. Kalyani Ingale,** Selected for University level Aavishkar competition.

Ms. Kalyani Ingale and **Kavita Patil,** received second prize in state level science exhibition at Beed on 7th September, 2016.

Teachers' achievements:

Dr. P. W. Deotare

Worked as examiner of Ph.D. in Mumbai University and Dr. B.A.M.U. Aurangabad University.

Dr. D. V. Hande

Was nominated by Hon. Vice Chancellor as District Coordinator Amravati District for Intercollegiate Research Festival - Avishkar- 2016.

Dr. D.D. Khedkar

Elected as Secretary, Asian Association for Biology Education (INDIA) Elected as Vice President of Amravati Garden Club.

Dr. S. P. Ingole,

Worked as Judge for the poster competition at Matoshri Vimlabai Deshmukh Mahavidyalaya on 24th December, 2016

Dr. P.A. Nagpure

Worked as resource person for 'Summer Course in Experimental Physics' (6-20 May, 2016) at Homi Bhabha

Centre for Science Education, TIFR, Mumbai.

Dr. S.S. Arsad

Participated in First National Teachers' Congress-2016 held at MIT, Pune 23-25 September, 2016.

Dr. A.W. Asole

Conducted a IAPT- National Standard Examination NSE-2016 at Akola (20th November, 2016).

Dr. V.B. Bhatkar

Delivered a guest lecture on 'Scientific Temper and Society' at NSS camp Naya Akola on 30th December, 2016.

Dr.G.A.Wagh Assistant Professor, Department of Zoology

Published book entitled "The Checklist of Birds of Amravati District" on dated 10th December, 2016.

Lt. N.H. Bansod Received the "BEST ANO AWARD " by the NCC group Amravati, for his contribution to NCC.

Superannuation of Faculty:

Miss Chaya G. Hadole, junior college teacher from Botany department, was retired on 30th October 2016. She served the college for 32 years, she was popular among the students for her teaching style. She was recipient of Best Teacher award of Maharashtra Govt. for her contribution in teaching field.



Mrs. P. J. Ubhad, junior college teacher from Zoology department, was retired on 30th December 2016. She served the college for 29 years, she has contributed in teaching innovations and worked on various committees of the college.



Upcoming Events

- National Youth Day on 12th January 2017.
- International Yoga Day 21st June 2017
- National Science Day 28th February 2017
- National Statistics Day 29th June 2017

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January-June 2017



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

NAAC Accredited 'A' Grade (Very Good) with CGPA 3.13
College with Potential for Excellence



Vol 4 . Issue 1

January - June : 2017

I Q A C N E W S L E T T E R



The United Nations has proclaimed 2017 as the International Year of Sustainable Tourism for Development, in recognition of the tremendous potential of the tourism industry, which accounts for some 10% of the world's economic activity, to contribute to the fight against poverty and foster mutual understanding and intercultural dialogue, which are at the heart of UNESCO's mission

Foundation Stone Laying Ceremony of Dr. Panjabrao Deshmukh Memorial Science and Innovation Activity Centre (SIAC)



Foundation Stone Laying Ceremony of Dr. Panjabrao Deshmukh Memorial Science and Innovation Activity Centre (SIAC)

The foundation stone of Dr. Panjabrao Deshmukh Memorial Science and Innovation Activity Centre (SIAC) was laid on an auspicious note at the hands of the former chairman, Atomic Energy Commission (AES), Government of India and the renowned scientist **Dr. Anil Kakodkar** on 1st March, 2017.

The science centre is being established by Shri Shivaji Education Society, Amravati with the sponsorship of Rajiv Gandhi Science and Technology Commission, Government of Maharashtra "The science and technology development would lead the nation towards overall progress in all walks of life", were the inspiring

words of Dr. Kakodkar. The program was chaired by the President of Shri Shivaji Education Society, Amravati Hon'ble Adv. Arunbhau Shelke, Dr A. S. Manekar, Director-General, National Council of Science Museum, Kolkata was the chief guest on this occasion. Among the other guests on the dais were Dr. S. M. Khened, Director, Nehru Science Centre Mumbai, Dr. S. P. Pathak, Curator-F, Nehru Science Centre, Mumbai, Dr. V. K. Menon, Technical Officer, Nehru Science Centre, Mumbai, Dr. Arun Sapre, the member secretary, Rajiv Gandhi Science and Technology Commission, Dr. Narendra Deshmukh, Scientific Officer, Homi Bhabha Science Education Centre, Mumbai, Dr. Suresh Thakare, Vice-president, Shri Shivaji Education Society, Amravati, Shri Mahadeorao Bhulbhar, Vice-president, Shri Shivaji Education Society, Amravati, Prof. V. G. Bhamburkar, Secretary, Principal Dr. V. G. Thakare, alongwith Prof Arun Sangole and Prof. Arvind Mangle, two of the co-opted members of our education society. In his presidential speech, Hon'ble Adv. Arunbhau Shelke expressed the fulfillment of the dreams of the great visionary, the first union agriculture minister Late Dr. Panjabrao Deshmukh. His words were, "I am very satisfied to have this centre being established in the tenure of present executive body". The society has donated 2.5 hectare land for building the science centre



campus and will bear 25% of the total expenditure for the construction and other developmental issues.

On this occasion, the life members of the society, principals of various colleges, professors and staff members of S.G.B.A.U, Amravati, school head-masters, teachers, non-teaching staff, students and elite citizens of the city were present. The function was anchored by Dr. Kishor Fule and Prof. V.G. Bhamburkar proposed the vote of thanks.

IQAC - Popular talk

Under the chairmanship of honorable Adv. Arunbhai Shelke, the president, Shri Shivaji Education Society, Amravati, a popular lecture of Dr. S. M. Khened, Director, Nehru Science Centre, Mumbai was organized on 28th



February 2017. Dr. M. P. Pathak and Dr. V. K. Menon of Nehru Science Centre were the guests present on this occasion. Principal Dr. V.G. Thakare, IQAC coordinator Dr. H. S. Lunge and the coordinator Dr. Prashant Mandlik were



present on the dais. Dr. S. M. Khened asked the teachers to inculcate the interest in reading scientific literature among the students. He urged the students to develop experimental abilities and scientific attitude.

Celebration of National Science Day-2017

In commemoration of the discovery of Raman Effect by Sir



C. V. Raman the National Science Day under the theme "Science and Technology for Specially Aabled Persons" was celebrated with great fervor and enthusiasm. On 27th February, 2017, the program was inaugurated by Dr. V.S. Deogaonkar, Principal Dr. V. G. Thakare presided over the function, and IQAC coordinator Dr. H. S. Lunge and the National Science Day program coordinator Dr. Prashant Mandlik were present on the dais. Under the Physical & Chemical Science theme about 31 models were displayed by students in this competition. 16 models from Life Science by 19 Students were there in this category. With posters from Life Sciences about twenty two students of UG and PG had participated. Children of Shri. Ganesh Das Rathi High School and Shri. Shivaji High School & Junior College, Shivaji Nagar, Amravati, visited the science exhibition on 28th February.



Inauguration of Sir C. V. Raman Auditorium

The inauguration of Sir C. V. Raman Auditorium was held on 10th April 2017 at the hands of Sh. Bhausaheb Pundkar, Minister of Agriculture, Govt. of Maharashtra. On this occasion Adv. Arun B. Shelke, President, Shri Shivaji Education Society, Amravati and other executive members were present.



National Statistics Day celebrated

National Statistics Day-2017 was organized jointly by the Department of Statistics and Regional Joint Director, Economics and Statistics, Amravati Region, on 29th June, on the eve of the birth anniversary of Prof. Prasanta Chandra Mahalanobis. The inaugural session was chaired by Adv. Arun B. Shelke, President, Shri Shivaji Education Society Amravati. The Divisional Commissioner Shri Piyush

Singh inaugurated the event and elaborated the importance of statistical data in administration. Shri Abhijit Bangar, Collector, Amravati District was the chief



guest. The Joint-Director Shri Prakash Dyare had initiated the activity. Prof. V. G. Bhamburkar, elaborated on the significance of Statistics. On this occasion two lectures were organized for students on Job Opportunities in Statistics and The Statistics Law, delivered by Dr. H. S Lunge and Mrs. Bhakare. The Principal Dr. V. G. Thakare delivered the inaugural speech. Dr. S. V. Choudhari and Sh. N. S. Makeshwar and Dr. U.V. Kale takes efforts to conduct the programme. The teachers of statistics of other colleges and students were present on the occasion.

Department of Botany-Scientific Film Show



It was organized on 27th February, 2017 in the botany laboratory. 46 students were present for the activity and they watched two films on Earth and India's Mars Mission.

Department of Chemistry(U.G.)-Intercollegiate Seminar Competition



This competition was organized by the department of Chemistry on 27th February, 2017 in the A.V Theatre of the

college for B.Sc II students on the topic 'Solid State'. 16 students from different colleges had participated in the competition. Dr. M. L. Narwade, Retired Professor, G.V.I.S.H., Amravati and Dr. V. M. Raut, Head, Department of Chemistry, G.V.I.S.H. Amravati judged the competition. At the end of the competition the result was declared and prizes were given to the winners such as Miss Gargi Chaudhari(First), Shri Shivaji Science College, Amravati, Miss P. R. Rekhate(Second), Shri Shivaji Science College, Akot, Miss V. N. Sharma (Third) R.L.T. Science College, Akola and Miss Megha Kotak (Third). The activity was coordinated by Dr. S. K. Rithe, Associate Professor with the help of the rest of the departmental staff members.

P.G.-Lecture series

In memory of Late Dr. Nilay Bhamburkar, the P.G. department of Chemistry organized a lecture series for the P.G. Students. Dr. Nandakishor Karde, Associate professor, P.G. Department of Chemistry, R.T.M. Nagpur University delivered his lectures on various topics.



Department of Physics-Social Activity

Students were visited to "Matoshri Vrudhashram" on 12 February 2017. During the visit students organized cleanliness drive in the Vrudhashram premises. Also, students have interacted with the old people residing there and distributed the fruits and other items for daily needs.

Competition on Presentation and Demonstration of Physics Experiments

This competition was organized on 27th February, 2017 in collaboration with Amravati University Physics Teachers' Association, Amravati for B.Sc I, II and III students. Total 53 students from different colleges affiliated to S.G.B. A. U. Amravati participated in the competition. The students explored and illustrated the inventive methods for understanding the principles of physics through simple, innovative and illustrative experiments.



**Department of Statistics
Intercollegiate Seminar Competition**

The intercollegiate seminar competition was organized on 27th February, 2017 on the eve of National Science Day on the theme "Statistics in Science and Technology". Ten Students from four colleges participated in the competition. All participants presented seminar through ppt on LCD projector. Dr. D. T. Deshmukh and Mrs. Vandana Vidhale worked as judges.



First winner was Mr. Vishal Charthad, Second prize was bagged by Ms. Manushri Choudhary of Brijlal Biyani Science College, Amravti and Ku. Bhavana Laware. The teachers and nonteaching staff took huge efforts to organize the event successfully.

**Department of Languages-
Essay Writing Competition**

This competition was organized to encourage the writing skills of the students and foster scientific temper among them. Every year we receive tremendous response from the students of different departments and colleges. This year the essay competition was held on 27th February 2017. The students of undergraduate and post graduate courses participated in the competition. Overall 50 entries were received from various colleges.

The topics for the essay competition were

1. The Need to Foster Scientific Temper.
2. National Saints' Attitude to Science.
3. Pradnyachakshu Gulabrao Maharaj's

Attitude to Science

Dr Dilip Arsad evaluated the essays. After evaluation, best essays were selected for prizes. The first prize was bagged by Ms. Swapnil Wighe, a student of M.Sc. I. Ms Ujwala Pakade won the second prize. To honor the achievement of winners, college organized a Prize Distribution Ceremony on 28th February, 2017. Mementos and certificates were given to the winners at the hands of honorable Mr. S. M. Khened, Director of Nehru Science Centre, Mumbai

Department of Zoology

Scientific Poster Presentation Competition

This competition was organized by department of Zoology in which total twenty two students of UG and PG participated. The competition was held on 28th February, 2017. Dr. Dabhe and Dr. Kamble from S.G.B. Amravati University judged the students. The Prize winners were,

Mr. Mukund S. Fiske (B.Sc. III) FIRST, Ms. Snehal B. Dande (B.Sc.I) -- SECOND and KU. Diksha P. Gawai (B.Sc. III) - THIRD. Dr J. D. Dhote.

Eco-tourism & Wildlife Photography

Organized a two-day residential "Nature Camp cum Workshop" at Shahanur Interpretation Centre, Narnala Wildlife Sanctuary, Akot Division of Melghat Tiger Reserve on 25-26 February, 2017. In all forty students along with faculty members of COC-EWP course actively participated



in the Nature Camp cum Workshop. During this two-day camp students enjoyed the nature walk, Narnala Fort sightseeing, Vegetation Monitoring, Bird Watching, Adventure Activities, Hands on Photography, GPS



demonstration and technical session of the workshop. The Wildlife technical session and adventure activities session were led by Wildlife and Mountaineering experts of the region Dr. Jayant Wadatkar, Dr. Shrikant Warhekar, Mr. Susil Raut, Mr. Manish Dhakulkar and Mr. Gourav Kadu.

Great Backyard Bird Count

Department also conducted Great Backyard Bird Count (GBBC) program on 13th February, 2017 in collaboration with Wildlife and Environment Conservation Society, Amravati. In all 25 students from the department participated. Total 82 birds were enlisted by birders during GBBC.

Department of Environmental Science-Scientific Rangoli Competition

This competition was organized on 27th & 28th February, 2017. The theme was Science & Technology through Rangoli. Total 23 students of our college participated in the competition. Mrs. Manisha C. Mohokar & Dr. Jayashree D. Dhote had judged the skill of the students. Show was inaugurated at the hands of Prof. V.G. Bhamburkar, and in

the presence of Principal Dr. V. G. Thakare and all heads of the departments. First Prize: Ms. Gauri Shendre (M. Sc-I, EVS), Second Prize: Ms. Monali Vighe, Third Prize : Ms. Vaishnavi Deshmukh and Ms. Anagha Gurde.



Visit to Bamboo Garden, Wadali, Amravati

B.Sc. III, M.Sc. I & II year students visited Bamboo garden at Wadali, Amravati on 5 March 2017.

Departmental. students were taken on a visit to Solid Waste Dumping site at Sukali, Amravati, on 9th March, 2017. On 11th March, 2017 B.Sc. I year students visited Wadali lake for Ecosystem Studies.



Water Sample Collection & Analysis

M.Sc. II year students visited various sites for water sample collection & analysis. This activity was a part of MOU between the department and Municipal Corporation, Amravati.

Under Environmental Awareness Programme students participated in two cycle rallies organized Dainik Bhaskar on 8th January, 2017 on the topic 'Clean India - Green India' and R.T.O. office on 14th Jan. 2 on the occasion of 'Road Safety Week'



On the occasion of World Women's Day

Girl students & faculty members of the department participated in Walkathon organized by Amravati Gynecological Association on 8th March, 2017, under an MOU of the department.



Department of Geology Rock and Mineral Show

This show was organized by the department of Geology on 27th & 28th February, 2017. The aim of the show was to expand the knowledge of rocks and minerals available in India. Almost all the college students and staff members attended the show. The show was inaugurated at the hands of NSD Convener Dr. Prashant Mandlik in the gracious presence of IQAC Coordinator Dr. H. S. Lunge. The staff members and the students of the department were actively engaged in the show and they introduced each and every rock and the mineral to all the visitors.

Library-Science- Book Exhibition

The library had organized a two-day book exhibition on 27th & 28th February, 2017, especially of the reference books available in the library. The librarian explained the importance of reference book and their types to the visitors.

Coaching Camps

The sports department had organized a special Summer Coaching Camp:

Three Swimming coaching camps were organized at Late Anant Panjabrao Deshmukh Memorial Swimming Pool of parent society, during the periods from 10th April to 5th May, 2017, 6th May to 31st May, 2017, and 1st June to 25th June, 2017, under the guidance of Dr. Subhash Gawande. Yoga Camp was organized in the college auditorium during 10th April to 9th May, 2017.

Celebration of National Youth Day and Birth Anniversary of Rashtramata Jijau

The National Youth Day on the occasion of Birth Anniversary of Swami Vivekananda and The Birth Anniversary of Rashtramata Jijau was celebrated on 12th January 2017. Dr V. G. Thakare, Principal, was the president for the function. The guest of honour Dr. D. G. Wakade, Director, P. R. Pote Educational Society, Amravati delivered the informative speech and interacted with the students. On this occasion 48 students of junior and senior college with remarkable achievements in Games and Sports, Cultural, NCC and NSS activities at state and national level were felicitated at the hands of Dr V. G. Thakare and Dr. D. G. Wakade.



ANNUAL SOCIAL GATHERING- SHIVOTSAV 2017

Annual social gathering "Shivotsav-2017" of the college was organized on 30th and 31st January 2017. Hon'ble Mr Pasha Patel, Ex MLC and senior agriculturist, was the inaugurator and Hon'ble Dr. Suresh Thakare, Vice-president, Shri Shivaji Education Society, Amravati, presided over the function. The other dignitaries on the dais were Hon'ble H. B. Thakare, Treasurer, Hon'ble Ad. M. K. Nana Deshmukh, Member, Prof. Arvind Mangale, Dr. V. G. Thakare, Principal, and Dr. S. P. Gawande, Convener. In this program total 55 Gold medals were sponsored to meritorious students of Junior college, UG and PG.



Best Student Award

for the year 2016-17 was presented to

1. Ms. Aishwarya Narendra Bhatkar (12th)
2. Mr. Rajesh Vairale (B.Sc.-III) –UG(PCM)
3. Ms. Kalyani Ingale(M.Sc.-II)- PG Env. Sc.

NCC Activities

Swachh Bharat Abhiyan was organized for cleaning of college campus on dated 16th April 2017. The principal of



the college gave the pledge of Swachh Bharat Campaign to cadets and in his speech appealed not to get involved in activities that create litter. Twenty five cadets along with sub major Singh and Patil took active participation in the Abhiyan.

On 17th April, 2017, cadets actively participated in road traffic control.

On the morning of 18th April, 2017, NCC cadets led by ANO Lt. N.H. Bansod, gave a power point presentation for the people who were in queue for reservation of railway tickets, about Cashless India and BHIM APP at Amravati Railway station. On this occasion Shri Katakale, station incharge was present.

Faculty Achievements

Best Teacher award for the year 2016-17 was conferred to

1. Dr. A. S. Burghate, Associate Professor, from Department of Chemistry.



2. Shri Vinay Labade, Junior college teacher, Department of Computer Science.



3. Best Non-Teaching Staff : was presented to Shri. Ishwardas Bonde, Office staff member.



Book published/Edited

Dr. R. G. Jadhao is the associate editor of UGC approved Journal of Life Sciences & International Research Journal of Science and Engineering. The Journal of Life Sciences No. is 48951, ISSN No.2320-964X (online) and 2330-7817(print).The Journal Cosmos impact factor & SJIF impact factor 4.36 & 4.23 respectively. International Research Journal of Science and Engineering, No. is 63628, ISSN No.2322-0015. The Journal Cosmos impact factor & SJIF impact factor 3.662 & 4.115 respectively.

Dr. N. V. Bhatkar, Associate Professor, Department of Zoology has edited the practical Zoology Book for B.Sc.I (Sem II).

Dr. J. D. Dhote Assistant Professor, Department of Zoology has Published 02 Practical Zoology Books, 1) Advanced Genetics and Animal Ecology for B.Sc. II (Sem IV) and Molecular Biology & Advanced Genetics for B.Sc.III (Sem VI).

Dr. G. A. Wagh Assistant Professor, Department of Zoology has published Practical Zoology Book Life and Diversity of Non-Chordata for B.Sc.I (Sem II).

UGC, New Delhi has sanctioned the '100% Travel Grant' to Dr. G. A. Wagh for paper presentation abroad.

Dr. Wagh presented his research paper in the 7 th International Hornbill Conference, Kuching, Sarawak, Malaysia, 16th to 18th May 2017.

Chaired Sessions in Conferences

Dr. N. V. Bhatkar chaired the session in National Conference on 'Recent Advances and opportunities in Biological Sciences' organized by Late Pundlikrao Arts, Commerce and Science, College, Shirpur (Jain) on 17th March 2017.

Dr. G. A. Wagh presented his research paper entitled " Spatial distribution and Habitat Choice of Two Sympatric Species of Hornbills in Vidarbha, Maharashtra, Central India" in the 7 th International Hornbill Conference, Kuching, Sarawak, Malaysia during 16th to 18th May 2017. The 7 th International Hornbill Conference witnessed the participation of 150 delegates comprising of

hornbill experts, hornbill researchers, hornbill conservators and hornbill lovers from 15 countries.

Dr. G. A. Wagh delivered a guest lecture on 'Status & Distribution of Sparrow in Backyard and its Conservation' on 20th March 2017 in the RDIK College, Badnera Rly.

Dr. Sangita Ingole was felicitated for her active participation in Walkathon on the eve of Women's Day organised by the Amravati Gynecological Association, Amravati.

Ms. Aruna U. Kakde chaired the session in National conference held at North Maharashtra University, Jalgaon on 23-24 January, 2017

Mr. K. J. Gawai was awarded the M.Phil. degree.

Students Achievements:

Best Student Award

for the year 2016-17 was presented to

1. Ms. Aishwarya Narendra Bhatkar (12th)
2. Mr. Rajesh Vairale (B.Sc.-III) –UG(PCM)
3. Ms. Kalyani Ingale (M.Sc.-II) - PG Env. Sc.

Meritorious Students in SGBAU 2016

UG Merits		
Snehal Holey 1st Merit	Zainab Ali 6th Merit	Shamal Vasu 7th Merit
PG Merits		
Diksha Pawar, 1st Merit, Physics	Akshata Dharmapuria 1st Merit, Env. Science	Priti Tupone, 1st Merit, Bioinformatics
Pratiksha Khedkar, 2nd Merit, Env. Sc.	Nikhil orode, 2nd Merit, Bioinformatics	Pooja Mave, 3rd Merit Env. Science
Bhavarthi Satpute, 3rd Merit, Bioinformatics		

Ph.D Awarded

Mr. Rahul R. Kajalkar was awarded the Ph.D. Degree completed his research work under the supervision of Dr. R.G. Jadhao, **Ku. Alka M. Vikhar** has submitted her Ph.D completed her research work under the supervision of Dr. R.G. Jadhao,

Awarded and Prizes

Miss Shivali Deshmukh was awarded for her poem 'Beti' in the poetry competition at IMA, Amravati on the eve of World Women's Day on 8th March 2017.

Miss Veena Bobade and **Mr. Tushar Hedau** have passed SET Exam 2016.

Shashank Rukhane of BSc-I participated in, the West Zone Inter University Table Tennis Tournament at Gujarat University, Ahmadabad from 5th to 8th February 2017

Parmeshvar Khade of B.Sc.II, participated in Malkhamb held at Punjab University, Chandigarh from 01 to 05 February, 2017. **Ku Shreya Anil Telmore** of BSc-I

participated in Taekwondo held at Maharshi Dayanand University, Rohtak from 15th to 21st March, 2017.

Ku. Pooja S. Gulhane, B.Sc.III (BTZ) has bagged the First Prize in Bio-Genius Competition -2017 organized by the Zoology Department, GVISH, Amravati

Mr. Aditi N. Chimote, B.Sc.III (BTZ) has bagged the Second Prize in Bio-Genius Competition -2017 organized by the Zoology Department, GVISH, Amravati.

Miss Shivani Dhoke & Miss Pratiksha Gawhale, B. Sc. I, bagged second prize, in intercollegiate Physics Seminar Competition . **Mr. Sanket Korde**, B.Sc.II, bagged first prize intercollegiate Physics Seminar Competition

Miss Nikita Nagtode, of B.Sc. III, bagged First prize in intercollegiate Physics Seminar Competition.

Superannuation of Teachers

Ms. Kavita Daware a junior college lecturer in Marathi from Languages Department, retired on 28th February, 2017 after her service period of 31 years. She was a popular teacher amongst her students. She had contributed through articles and books about Marathi literature and involved herself in the propagation of the use of Marathi in administration.



Dr. Prakash W. Deotare, Head, Department of Botany, retired on 31st May 2017 after 33 years of service in the college. He was the member of IQAC and was engaged in research activities. During his tenure as the head the Botany department had organized two national conferences and many other academic events.



ANNUAL SOCIAL GATHERING- SHIVOTSAV 2017



Upcoming Events

- One Day Workshop on NAAC Accreditation Awareness on 23rd November 2017, jointly organized with IQAC, SGBAU.
- Amravati District Avishkar Competition on 14th December 2017.

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July-December 2017



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
 NAAC Accredited 'A' Grade (Very Good) with CGPA 3.13
 College with Potential for Excellence



Vol 4 . Issue 2

July - December, 2017

IQAC NEWSLETTER

DBT& CSIR sponsored National Conference on Recent Trends in Biotechnology and Biodiversity

Department of Life Sciences of Shri Shivaji Science College, Amravati organized a two-days DBT and CSIR sponsored National Conference on "Recent Trends in Biotechnology and Biodiversity" (NCBB-2017) on 22nd & 23rd September 2017 in collaboration with Microbiology society of India, Indian Science Congress, Kolkatta,(ISCA)Amravati Chapter, Maharashtra State Biodiversity Board (MSBB) and Melghat Tiger Reserve (MTR).



Prof. A. K. Pande (Chairman, Madhya Pradesh Private University Regulatory Commission, Bhopal M.P.) gave inaugural address. The abstract book and Special issues of Journal of NCBB-2017 published by Hon. Shri. Harshvardhan Deshmukh, President, Shri Shivaji Education Society, Amravati and gave presidential address. Other dignitaries including Dr. Murlidhar Chandekar, Vice-Chancellor, SGBAU, Amravati, Prof. A. M. Deshmukh, President, Microbiologists Society, India and Mr. Srinivas Reddy, CCF, MTR, Amravati Division also delivered speeches. Prof. A. M. Deshmukh, President, Microbiologists Society, India and Mr. Srinivas Reddy, CCF, MTR, Amravati Division also delivered their invited talks during sessions. Dr. Sunil Deshmukh, President of Mycological Society of India. Dr. Nishith Dharaiya, Wildlife Expert, Department of Life Sciences, Patan University, Gujrat, Dr.D.P. Fulzele, Bhabha Atomic Research Centre, Mumbai, Dr.N.N.Bandela, Professor and Head, Department of Environment Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad who were the keynotes speakers for various scientific sessions of the Conference.

In all 288 participants from all over India representing 15 Universities and 07 States were gathered in this National level mega event. More than 100 authors have contributed their research work through abstracts and full length papers. 40 Delegates actively

participated in oral and poster presentations. Accepted papers were published in special issues edition of UGC approved International Journal of Life Sciences (IJLS). Panel discussion session on the theme was organized on the 2nd day of the conference. Some Recommendations were forwarded in Panel Discussion of NCBB- 2018.Cultural programme and felicitation of Dr. S. D. Patil by Microbiologists Society, India was held on 22nd September 2017 evening. Valedictory Function was chaired by Dr. V. G. Thakare, Principal. Dr. S. D. Patil summarized event. The Congress finally concluded with a Tour to Melghat Tiger Reserve (Chikhaldara, Semadoh and Kolkhas).Himedia Laboratories Pvt. Ltd. Mumbai, Sharp India Ltd. Nagpur and B.S.R. tech Nashik arranged scientific stalls. Dr.S.D.Patil, Dr. R. G. Jadhao, Prof.B.K.Dorkar, Dr.Sangita Ingole, Dr.G.A.Wagh), Dr. N. V. Bhatkar and Dr.D.V.Hande have taken efforts in successful organization of the event.

INTER-COLLEGIATE RESEARCH FESTIVAL - AVISHKAR-2017

The research festival Avishkar-2017, was organized on 14th December 2017. Avishkar is an intercollegiate research festival which provide platform for research talent of the students at the university level. Student of any discipline participated in following categories: Humanities, languages, fine arts etc., Commerce, management, Law etc, Pure Sciences, Agriculture and Animal Husbandry, Medicine and Pharmacy.



Total 122 (HLF-27, CML-20, PS- 55, MP- 20) posters and models from five subjects were registered for the event from above subjects from different colleges from SGBAU. Each posters and models were presented by two or three students. Total 250 students had directly

participated in the event and 200 more students visited from various colleges. Hon. Dr. Krishnmurti K., Principal Scientist, NEERI Nagpur inaugurated the festival, Hon. Shri Harshvardhan Deshmukh, presided over the function.



Hon. Dr. Rajesh Jaipurkar, Pro-Vice Chancellor, was chief guest for valedictory function of Avishkar- 2017. Dr. Anand Aswar Co-ordinator, Avishkar cell, was present as guest of honour. Dr. V.G. Thakare, presided over the function and Dr. D.V. Hande presents the report. Finally 28 entries of researchers from Amravati district were selected for University level Avishkar-2017. For the evaluation of presentations 11 jury members were invited and they play very significant role in the selection of participants for university level Avishkar. The overwhelming responses to this science fest, boosts our moral and encourage us to organize, the similar event in future also.

NAAC Accreditation Awareness Workshop held at Shri Shivaji Science College, Amravati

One Day Workshop on NAAC Accreditation Awareness for Affiliated Colleges in Amravati and Yavatmal Districts, was jointly Organised by IQAC, Sant Gadge Baba Amravati University and IQAC, Shri Shivaji Science College, Amravati, on 23rd November 2017. The inaugural ceremony was chaired by Hon'ble Dr. Murlidhar Chandekar, Vice Chancellor, SGBAU. The inauguration presided by Hon'ble Dr. Ramchandra N. Shelke, Vice President, Shri Shivaji Education Society, Amravati. The Guests of Honour Hon'ble Dr. M. R. Kurup, Secretary, Kelkar Trust, Mumbai, and Dr. Prakash Puranik, former Registrar, Kavi Kulguru Kalidas Sanskrit University, Ramtek, were present on the occasion. Also the seventh issue of the college IQAC Newsletter was published in this event. Dr. S.F. R. Khadri, IQAC Director, SGBAU, Principal Dr. V. G. Thakare and Dr. H. S. Lunge, were present on the dais.



The first session on Curricular Aspects was elaborated, with new changes in NAAC new methodology, by Dr. M. R. Kurup. The Quality enhancement revised framework was explained by Dr. Prakash Puranik. The revised weightages for 7 Criteria and 34 Key Indicators along with Grading Pattern discussed by Dr. V.S. Sapkal, Former Vice Chancellor, RSTM Nagpur University. Dr. Rajan Welkar, Former Vice Chancellor, Mumbai University, Mumbai, delivered his thoughts on Mandatory Accreditation for Quality Education. There were 207 participants from B2 Affiliated Colleges in Amravati and Yavatmal Districts were present for this one day workshop. The queries and doubts of the delegates in the new methodology of accreditation were answered by all the resource persons. The feedback was collected through the format, for analyzing the suggestions and opinions with ground realities of implementation, so as to forward to the NAAC authorities.

The IQAC team members Dr. W. S. Barde, Dr. P. R. Padole, Dr. Mrs. S. P. Ingole, Sh. V. V. Hebbar, Dr. G. A. Wagh and Dr. G. B. Hedao worked collectively for the successful organization of the workshop. Prof. V. G. Bhamburkar, Prof. Murtuza Ali, Principals, IQAC coordinators, and management representatives of the various colleges, were present on the occasion.

5th SHIVAJI VIDNYAN PARISHAD - 2017



5th Shivaji Vidnyan Parishad – 2017 was jointly organized by Shri Shivaji Education Society, Amravati and Homi Bhabha Centre for Science Education, T.I.E.R., Mumbai during 28th to 30th December, 2017. It was fifth parishad in a row hosted by Shri Shivaji Education Society in collaboration of HBCSE. Being pioneer of this Parishad, considering this fifth venture as milestone, Shri Shivaji Science College, Amravati was offered with an opportunity to host it for the academic session of 2017-2018. This parishad was organized with the association of Dr. Panjabrao Deshmukh Memorial Science Centre, Amravati and Dr. Panjabrao Deshmukh Human Resource Development and Training Centre, Amravati. The conference was inaugurated by Hon'ble Harshavardhanji Deshmukh, President, and at the hands of Hon'ble Mr. C. R. Rathod, Deputy Director, Education, Amravati. The keynote address was delivered by Dr. Suhas B. Naik-Satam, Programme Coordinator (Scientific), Nehru Centre, Mumbai. Dr. Narendra Deshmukh, Scientific Officer – E from Homi Bhabha Centre for Science Education graced this occasion as a guest of honour. The souvenir edited by Dr. D. D. Khedkar entitle



"Learning Science: Practices and Challenges" was released on this occasion. During the workshop 14 sessions were planned as Technical Sessions, Workshops and Demonstrations. Dr. Sudhir Kumbhar, Asst. Teacher, KarmavirBhauraoPatil Vidyalaya, Dhebewadi, Tq. Patan, Dist: Sataradelived talk on 5 Es - Unique Learning Methods. Mr. Ashok Rupner, Programme Manager, The Centre of Excellence in Science and Mathematics Education (COESME), IISER, Pune has provided specially



designed teaching kit to all the participant teachers. Dr. Yogesh Kulkarni, Executive Director, Vigyan Ashram, Pabal, Pune elaborated very different and important concept of Rural Development through Education System through an informative talk. Dr. Archana Mohod, Founder, Busy Mind Science Popularization Academy, Pune has explored attention-grabbing mode of teaching Microbial world to the participants. Mr. Sanjay Tikariya, from Tikariya's Science Hobby Centre, Jalnahas conveyed outstanding approach to formulate and device own teaching aids to generate curiosity and eventual better understanding of the subject in the students. Dr. Narendra Deshmukh, played instrumental role in planning and execution of all the sessions during the conference. Overall 84 teachers participated out of them 12 teachers delivered presentation of their exceptional way of teaching. And evaluated by panel of two judges including Dr. Rajesh Patil and Dr. Sudhir Kumbhar and adjudged Mrs. Rajani A Borkute from School of Scholars, Yavatmal as "Best Science Teacher".

On the other hand Science Galleries and Exhibition were displayed for the students and parents. 43 students from different school from entire Vidarbha region participated with their models. Master Soham Lohiya and Shree Kore were declared as "Budding Scientist" by panel of Juries comprising Dr. Archana Mohod, Dr. Archana Burghate and Dr. Neha Bhatkar. The science exhibition was visited by more than 1400 students from various schools of Amravati.

Four Science Galleries were assembled with the interactive Models and active displays with live specimens. These galleries were "World of Light" by Tikariya's Science Hobby Centre, Jalna; "Yes, You Can Do It!" by Mr Karun Hambir, Homi Bhabha Centre for Science Education, T.I.F.R., Mumbai; "Biodiversity and Our Nature" by Mr. Rajesh Patil, Asst. Teacher, Saraswati Junior College, Paras, Tq. Balapur, Dist: Akola and "Conventional Seed Treasure" by Mr. Ramesh Sakarkar, Activist, Organic Farming, Dhamangaon Railway. These galleries were real feast of knowledge for all the teachers, parents and students.

The valedictory session chaired by Dr. V. G. Thakare, in the gracious presence of Hon'ble Shri Sheshraoji Khade, Secretary, with Hon'ble Mr. Sudhir Mahajan, Principal, Podar International School, Amravati and Hon'ble Mr. Mohan Atalkar, Indian Express Group.

Department of Botany

Installation programme of the Executive for the year 2016-17 was organized on 29 July 2017. Hon'ble Hemant Kumar Meena, Divisional Forest Officer, Melghat Tiger Reserve, Amravati was the chief guest and Mr. Salim Caretaker, Wadali Bamboo Garden, Amravati was guest of honour for this programme. The workshop in collaboration with Amravati Garden Club on "Chrysanthemum Cultivation" was organized.



Street play in the school premises: To generate awareness amongst school children regarding the hazardous effects of POP and other unhealthy practices during Ganesh festival the street play was performed in various schools of Amravati and also in the college premises. At Shri Shivaji Multipurpose Higher Secondary School on 19th Aug 2017, Arunodaya English School on 21st Aug 2017, School of Scholars, Saibaba Vidyalay, Rajeshwari Vidyamandir and Shri Shivaji Science College Campus on 22nd Aug 2017.

Ganesh festival is one of the major festivals celebrated in our region. Every year Ganesh idols prepared with plaster of paris and chemical colours are polluting our environment hence to reduce impact of plaster of paris and save our water resources from harmful material "Matiche Ganpati Abhiyaan" campaign was organized from 23rd and 25th August 2017 to spread awareness regarding hazardous effects of plaster of paris (PoP). The inauguration was done by the hands of Honourable Ad. Arunbhai Shelke. The other dignitaries were Shivray Kulkarni, Dr. Kishor Rithe, Dr. Pranay Kulkarni, Mr. Mangesh Patil. We have received overwhelming response for this campaign 350 Ganesh idols were taken by the citizens from the stall organized in college campus.

Department of Computer Science

COMSOFT - 2017-18

The ComSoft Society 2017-18 was inaugurated on 14-Aug-2017 at the hands of Prof. Dr. Mahendra P. Dhore, P.G. Dept. of Computer Science, RTMNU, Nagpur. This function was presided by Principal Dr. V. G. Thakare. Dr. Hemant M. Deshmukh, Head.



Mr. Mukul M. Bhonde, Mr. Vinay W. Labde were present. Dr. M. P. Dhore has delivered a lecture on 'Big Data Challenges' followed by the inaugural function. Dr. V. G. Thakre sir has congratulated Prof. H.M. Deshmukh sir for his Ph.D. and felicitated him. Saturday' 23rd Sept. 2017- A guest lecture on the topic "Opportunities in IT using modern Web-Technologies" was organized by the ComSoft Society of the Computer Science Department. Mr. Shrikant Pande, delivered the lecture. He focused on the importance of recent technologies in today's IT era like Big Data, Hadoop, Data analysis, Free Open Source Applications, Mobile Application Designing, etc.

Online Conversation with Hon'ble Mr. Vinod Tawade, Minister of Higher Education, Maharashtra.

Hon'ble Mr. Vinod Tawade, Minister of Higher Education has had conversation with Prof. Dr. Hemant M. Deshmukh, Prof. Vinay Labade, Prof. Mukul Bhonde and the students during video conferencing at the inauguration of online services through the website of Sant Gadge Baba Amravati University, Amravati on 27th Dec. 2017. Hon'ble Vinod Tawade has answered the question & assured about industrial development in the presence of Hon'ble Pravinji Pote, minister of Industrial Development, Maharashtra.

Department of Chemistry

Aptitude Test

Department has conducted aptitude test in Chemistry (For B.Sc.I), on 14th October 2017. The pattern of test was objective type multiple choice questions. Total numbers of questions were sixty and time allotted was one hour. In all twenty nine students were appeared for the test. Most of the students did fairly well in the test. On the basis marks secured by the students, following students were awarded 1st, 2nd, and 3rd rank. They were felicitated by the department of Chemistry: 1st. Mr. Shekhar W. Chule (BTB) -29 marks, 2nd. Ms. Shital P. Ambekar (MBZ) - 28 marks, 3rd Mr. Rushikesh J. Burghate (PCM) 27 marks.

Social Awareness Programme

Science awareness programme was organized by 150 students of B.Sc. II year. The students covered various topics by demonstrating 65 basic experiments of science, food adulteration, conservation of Indian tradition and culture, health and hygiene, biodiversity, easy tricks to memorize formulas of mathematics, Class-wise science quiz by moving from class to class, acquaintance with the knowledge of apparatus and instruments used in chemistry and physics. Ms. Sayli Atkare and her group very well presented experiment on



the theme eradication of superstition. Power Point presentation based on conservation of nature and biodiversity and black hole was displayed. The students also stole the opportunity to plant a tree which was motivated by Dr. V.S. Jamode. The program was inaugurated by Prof. V.G. Bhamburkar. All the school staffs of Kasturba Kanya Shala were present during this event.

Seminar on Health and wellness

A seminar on "Health and Wellness" was organized on 28th July 2017. Renowned gynecologist and obstetrician Dr. Anubhuti Patil discussed on causes of Acanthosis, Thyroid, Polycyst ovaries, diet plan, hygiene, the effects of late marriage and not to take any medicine to delay the menstrual cycle. The world's peace happiness and Wellness lies in her hands.



Department of Environment Science

Environmental Science Society was inaugurated by Chief Guest Mr. Prashant Sawai Director, MTDC, Amravati and Guest of Honour Mr. Yadav Tarte Patil 6th Sept. 2017. On this eve Guest lecture was delivered by Mr. Prashant Sawai on Topic "Eco and Agro tourism", "Role of Youth in Wildlife and Environmental Conservation". He also provided information on the various issues related to the youth participation and careers and future avenues in this area. Second Guest lecture was delivered by Mr. Yadav Tarte Patil on "Wild life and Biodiversity Conservation".



Ozone Day was celebrated on 16 Sept. 2017, at Shri. Shivaji Sci. College, Amravati. Theme was to create awareness about the ozone layer its importance and threats. All staff members and students of college participated in the event. Students and staff distributed cloth bags to the staff and visitors, with a message to eradicate plastic and encourage the use of cloth bags to minimize pollution.

Students participated in the one day work shop conducted by Cancer foundation 30th Oct. 2017. Topic – "Breast Cancer awareness campaign and Open Discussion".

Field Visits

The 30 students from P.G. with 2 teaching faculties visited Chikhaldara on 9th August 2017 and studied the forest Biodiversity, performed the Practical related to landslide studies, natural resources, etc. The dept. visited Wadali Lake, Amravati on 23/09/2017. 43 students from P.G. with 2 teaching faculties visited the water body for the study of ecosystem and its impact on environment of the surrounding area. Students were guided regarding the water ecosystem and the pollution status of the surrounding area and its impact on environment.



Local visit to Water Treatment Plant

Visit to water treatment plant Mardi Road, Amravati was organised on 23rd July 2017. This purification plant is located at Mardi road and works totally on the gravitational flow of water. Total 45 student of B.Sc.-III year visited the plant.

Tour to Tadoba Forest

Study tour was organized for M.Sc. I & II, students on 19 –20 Dec. 2017. They visited the Moharli forest range for vegetation and Biodiversity study. On the 20th Dec. 2017 they visited Anandvan. There the students were acquainted with the production of towels, door mats, and other materials in the small cottage industry run by the Ashram people. They also visited the plastic recycling plant, the museum and the garden.

Regular Noise Pollution Monitoring

The activity was conducted for creating awareness regarding the noise pollution, its abatement and public participation for tackling noise pollution.

Library

Two days book exhibition was organised by Library on 18th and 19th of August 2017. The exhibition was inaugurated by the Principal Dr. V.G. Thakare. Guest lecture by Mr Rohidas Rathod, DELNET, New Delhi was organized to train students in using DELNET resources. All 330 PG students attended the guest lecture.

Department of Geology

Geological Society 2017-2018 & Geological Wall Magazine was inaugurated by Prof. S. A. Salway, Former Head of Department of Geology, SSC, Amravati and Dr. Prof. P.S. Rawale, Former Head of Department of Geology, Bhartiya Mahavidhyalaya, Amravati.

Educational Tour : One Day Geological tour was arranged at Chikhaldara for the Geology student of B.Sc I, B.Sc II and B.Sc III, on 15th October, 2017.

Department of Microbiology and Biotechnology



Guest Lecture of Dr. K. A. Dhapke, Director KVK, Durgapur on "Women Entrepreneurship in the field of Agriculture" was organized for all the students of Microbiology and Biotechnology on 5th August, 2017. Mr. Sachin Malokar Agriculture consultant deliver guest lecture on Biofertilizer and Biopesticide for students of Biotechnology on 27th August, 2017. Students visited water treatment plant at Masod, Amravati on 3rd September, 2017.



Guest Lecture of Dr. A. M. Deshmukh, President of Microbiologist's Society "on prospects in Microbiology and Biotechnology" was organized on 9th August, 2017 during the lecture he interacted with these students.

Department of Physics

Being the department of lead college SGB Amravati University has assigned a responsibility of one day laboratory session as a



part of Refresher Course in Physics. The department has successfully organized the laboratory session for the participants of the refresher course on 10th July, 2017. The faculties of the department have rendered their services as resource persons for the laboratory session.

Department of Physical Education

Tournament Organization

The Inter Collegiate Basketball (Men) Tournaments and selection trials 2017-18 were organized on College Basketball Court between 15th to 21st September, 2017. Total 37 Men's Team had participated in this tournament. The Inaugural ceremony was held in which Dr. V. G. Thakare, Shri J. D. Deshmukh, Secretary, Amravati District Basketball



Association, Shri Gajanan Patil, Dr. Abhijit Bhise, Selection committee member were present. In this tournament our Shri Shivaji Science College team was declared the Winner team and Mr Vipul Mohod, Mr Prajwal Sawake and Ms. Kajal Bihade were selected in the team of Sant Gadge Baba Amravati University for West Zone Inter University Tournaments and Maharashtra State Inter University Tournaments (Ashwamedh-2017).

Department also organized Inter Collegiate Handball (Women) Tournaments and selection trials 2017-18 on College Play Ground on 3rd to 9th October, 2017. The Inaugural ceremony was held in the presence of guests Shri. Bhau Belsare, Dr. Hanumant Lunge, Dr. Madhuri Kopulwar, Prof. Sugandh Band, Prof Uday Thakare, Dr. Umesh Rathi, Selection committee member, Sant Gadge Baba Amravati University, Amravati visited the tournaments. Ms. Kartiki Ingole, Mr.Saurabh Kalmegh and Mr. Vinay Wagh of our college were selected University team for West Zone Inter University Handball Tournaments.



Department also contributed in organization of Dodge ball School National Tournaments 2017-18 and also District, division and state level school tournaments of basketball, handball, dodge ball and ball badminton.

Department of Zoology

Department of Zoology's COP- Eco-tourism & Wildlife Photography unit had organized a One day Workshop "Nikon School" in College campus in collaboration with Jai Photo lab Amravati on 13 Aug 2017 for students. During inauguration Dr.V.G.Thakre, Dr R.G.Jadhao Mr.Vinay Thakur, Nagpur Nikon Mentor, Dr.Jayant Wadkatkar Member of State Biodiversity Board, Mr.Vaibhav Dalal Jai Photo lab and Dr.G.A.Wagh were present. In all total fifty students were actively participated in the workshop. The photography technical session was led by Wildlife photography expert of the region Shri Vinay Thakur, Nagpur. During workshop hands on photography & GPS demonstration was given by Mr. Vaibhav Dala, Amravati. Department of Zoology had organized



a guest lecture of Dr. Adhikrao Jadhao, Shivaji University Kolhapur on 'Importance of Sericulture' on 19 Aug 2017. Dr.Vilash Bardekar Chairman of Maharashtra State Biodiversity Board (MSBB) has visited to College and Department of Zoology on 10 October 2017.

NCC Unit:

1. 21st June International Yoga Day was celebrated at 8 Mah BN, VMV, Amravati. In all 25 cadets were present.
2. On 1st July trees were planted in college campus. In all 25 cadets planted trees.
3. On 7 July pulse polio drive was conducted at Irvin hospital by 31 students. On this occasion Lt Nitin Bansod and Lt Revati R. Khokale were present.
4. On 22nd July road safety class was conducted Mr and Mrs Tope. In all 22 cadets participated



5. On 16 sep Swach Bharat drive was conducted and Ozone day was celebrated by distributing cloth bags. All the NCC cadets actively participated.
6. A rally was organised at Maltekdi on 2nd October 2017 to mark the birth anniversary of Mahatma Gandhi by 4 Mah BN, Amravati in which 25 cadets participated from our college.
7. On the eve of Mahatma Gandhi birth anniversary, the cadets were performed the street play at Rajkamal Chowk at 5.00 pm along with 4 MAH GIRLS BN NCC, Amravati. Earlier the cadets were did Swachh Bharat Abhiyan at Railway Station Amravati.
28 cadets participated in ATC, held at 8 Mah BN, VMV Amravati.



NSS Activities

International Yoga Day : This day was celebrated in college through NSS unit by arranging three days Yoga Training Workshop with the able guidance of yoga teacher Prof. Vishwas Jadhav. All teaching faculty members, non teaching staff and students participated enthusiastically.

Tree plantation program : On 1st July 2017, a tree plantation program was organized in college campus and plant saplings were planted.

Road Safety Week : Considering the safety of students a road safety program was conducted in college on 28th July 2017 in collaboration with Police Commissioner Office, Amravati and Mumbai based NGO succeed safe. Live demonstrations and training were given to the students regarding road safety awareness.



Swachh Bharat Abhiyan

College campus cleaning program was conducted on the eve of 14th August, 2017 by the NSS volunteers and swachata oath was given to all the students. On 2nd Oct. 2017. The Gandhi Jayanti was celebrated by organizing cleanliness drive at Amravati Railway Station by NSS volunteers. Awareness Street Play was also demonstrated by students at Rajkamal Chowk on Swachh Bharat- Swasth Bharat Campaign.

Students Achievement

Mr Yash Puri and Mr Saurabh Bijwe are selected for University level Avishkar Competition and Mr Yash Puri bagged 1st prize in District level competition.

Ms. Suvarna S. Mankar qualified ICAR NET Examination in 10th June, 2017.

Mr. Arpit S. Sawrkar, B.Sc.II (CEZ) is selected as a ,Tiger Ambassador, for Tiger Conservation Awareness Campaign of Melghat Tiger Res erve, Amravati (MTR).

Ms. Rutuja Tathod of B.Sc. III (PCM) bagged First Prize in Intercollegiate Seminar Competition organized by Shri Shivaji Science College, Akot.

Ms. Pallavi Dakare of B.Sc. II (PCM) bagged Second Prize in Intercollegiate Seminar Competition organized by J.D. Patil Sangludkar, Daryapur.

Ku. Vaishali Thakare awarded Ph.D. She pursued her Ph.D. under the guidance of Dr.V.B. Bhatkar.

Ms Rakshita S. Ukesh was selected for Thal Sainik Camp, New Delhi from 18 Sep -29 Sep 2017 and SNIC, at Port Blair from 5th Jan-16th Jan 2018 where she bagged silver medal in debate competition.

Ms. Rishika J Pawar was selected for Squab diving camp held at Mumbai.

Ms Anjali K. Dabhade, Ms Vaishali A Bundele and Ms Tejshree Aware attended NIC, Nashik from 23rd Dec to 3 Jan 2017.

Cdt. Shashikant Patil and Cdt. Vaibhav Gilorkar were participated in Thal Sainik Camp (TSC), Delhi on Sept 2017.

Cdt. Rajat Banarase and Cdt Ashiwin Tayade has been selected in Army.

Teachers Achievements:

Dr. D. V. Hande Indian Mycological Society honored by prestigious "Dr.Shome Memorial Award" during 44th Annual



meet and National conference on fungal biotechnology at Jammu University, Jammu (JK) on 15-17 November 2017.

Delivered a lecture on topic Basic and applied aspects of Mycology at Shri Shivaji College, Akot dist- Akola on 12th August 2017.

Dr. G. A. Wagh is nominated as a member of Animal Expert Committee of State Biodiversity Board in Maharashtra. Also He is elected as a secretary of Maharashtra Pakshimitra for year 2017 to 2021.

Dr. D. D. Khedkar delivered an invited talk in National Seminar at G.S. College, Khamgaon, at G.S. Tompe college, Chandur Bazar and SGBAU, Amravati.

Dr. Mrs. R. C. Maggirwar delivered a lecture at Niphad, Nashik in State level Seminar

Dr. Sangita P Ingole delivered a lecture in the Workshop on "Breast cancer awareness" on 29th Oct. 2017, at Vimalabai Deshmukh Sabhagruha on Topic - "Role of environment in Breast cancer".

Dr. T. B. Wankhade delivered lecture on topic Genetic engendering at Amolkchand Mahavidyalaya, Yeotmal.

Dr. R.G. Jadhao worked as a member of jury at P.G.Dept. of Zoology, Govt. Vidarbha Institute of Science and Humanities, Amravati on the Eve of Wild Life Celebration Week on dated 7th Oct. 2017.

Dr. G. A. Wagh has chaired the session in Maharashtra Pakshimitra Sammelan-2017 organized by HOPE foundation Thane on 25-26 Nov 2017 in Gadkari Rangayat.

Dr. G. A. Wagh delivered a lecture on 'Importance of Birds in Nature' on 18th Nov., 2017 in the Green Army Nature Camp. The Camp was organized by Social Forestry Department, Amravati, on 'Importance of Aquatic fauna' on 18th Sept., 2017 in the one day Workshop on Biodiversity. The workshop was organized by Maharashtra State Biodiversity Board and on 'Wetland Ecosystem, Birds and Threats' on 9th Dec. 2017 in the

18th Vidarbha Pakshimitra Sammelan Yavatmal.

Dr. V. G. Thakare was elected as Member of Senate from Principal's, Category, SGB Amravati University, Amravati.

Dr. G.N. Chaudhari was elected as Member of Academic Council, SGB Amravati University, Amravati.

Dr. S. P. Gawande was elected as Member of Senate from Teacher's, Category, SGB Amravati University, Amravati.

Dr. N. H. Bansod chaired the session in the International Conference on Nanotechnology "Idea-Initiative-innovation" at IIT Roorkee.

Dr. V. B. Bhatkar delivered a lecture at Brijlal Biyani Science College, Amravati on 28th Sept, 2017.

Dr. P. A. Nagpure and **Dr. W.S. Barde** worked as resource persons for laboratory sessions arranged for the participants of Refresher Course in Physics held at HRDC SGB Amravati University on 10th July 2017.

Dr. P. A. Nagpure and **Dr. V. B. Bhatkar** worked as referees for the seminar sessions arranged for the participants of Refresher Course in Physics held at HRDC SGB Amravati University on 10th July 2017.

Dr. W. S. Barde participated in the NAAC Workshop organized by Bhartiya Mahavidyalaya, Amravati on 9th Sept, 2017.

Dr. P. A. Nagpure delivered a guest lecture as resource person at University Level Workshop on Power Supply Designing at Bhartiya Mahavidyalaya, Amravati on 29th Sept, 2017.

Superannuation of Staff



Prof. A. R. Dhobale was given a warm send off on the day of his retirement on 31st July, 2017. He served for 36 years in various junior colleges of parent Society.



Prof. V. V. Wagh a junior college teacher from Languages Department, retired on 30th September, 2017. He was a popular teacher amongst his students. He began his teaching career in 1984.



Dr. S. D. Patil retired on 30th September, 2017 after successfully serving this institution for 35 years. He was a popular teacher of both the subjects Microbiology and Bio-technology.



Dr. V. P. Akhare from the Department of Physics retired on 31st December, 2017. He had joined this institution as a junior college teacher in Physics and retired as a senior college teacher.

Upcoming Events

- Four days PCR Workshop for students
- Felicitation of students for their achievements in sports, cultural & NCC on National Youth Day-12th January, 2018.
- Annual College Day Celebration in 1st week of February. • National Science Day-2018

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January-June 2018



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

NAAC Accredited 'A' Grade (Very Good) with CGPA 3.13
 College with Potential for Excellence



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IQAC NEWSLETTER

Four-Day Hands on Workshop on 'Genome and Plasmid Isolation, PCR, RFLP and Primer Designing:

Department of Botany, Environmental Science and Central Instrumentation Cell, in association with Cerebro Scientific, Navi Mumbai have organized Workshop during 17-20th February 2018. The prime objective behind organizing this workshop was to

train upcoming Post Graduate Students and researchers in Modern Tools of Molecular Biology, Biotechnology and Bioinformatics. The workshop involved hands on training on Genome and Plasmid Isolation, PCR, RFLP and Primer Designing.



This workshop had a target group of B. Sc. III and Post Graduate Students of Life Sciences. The course content of this workshop was delivered with hands on opportunity to every participant. Personal working with the modern expensive instrumentation was a great learning experience for all the students. The workshop was inaugurated under the chairmanship of Hon'ble Dr. V. G. Thakare, at the hands of Hon'ble Dr. N. J. Chikhale, Principal, Shri Shivaji Agriculture College, Amravati. Workshop Co-conveners Dr. S. P. Ingole, HoD Environmental Science and Prof. B. K. Dorkar, HoD Botany with Dr. D. D. Khedkar, Workshop Organizing Secretary and Dr. Mandar Karkhanis, Director, Cerebro Scientific, Navi Mumbai were present on the dias.

Participants from 15 colleges attended the workshop. Hands on sessions along with the theoretical information sessions were conducted for all the four days with rigorous schedule from morning 9.00 am to 6.00 pm. Participants isolated DNA from their very own biological material i.e. buccal cavity mouthwash and plasmid from E.coli bacteria. Isolated DNA was amplified by PCR and analysed further for RFLP. Primer designing session was also conducted at facility available at computer department. Participation certificates were issued to all the participants after successful completion of the workshop.

"The Regional Pedagogy workshop for undergraduate and post graduate Science and Mathematics Teachers"

"The Regional pedagogy workshop for undergraduate and post graduate science and mathematics teachers" was organized during 26th to 28th June 2018. This workshop was supported by MHRD, DST, DBT and IISER Pune. The workshop was designed to train the teachers to use research based pedagogical tools (RBPT) in the classrooms to augment critical thinking and research skills. It has introduced research based pedagogical tools that focus on the process of science rather than facts.



In all 50 students participated from Rashtra Sant Tukadoji Maharaj Nagpur University, Gondwana University and Sant Gadge Baba Amravati University.



The participants were selected by ISER, Pune, in all 60 lecturers from five different universities of Maharashtra, have been selected to attend the workshop. The workshop was inaugurated at the hands of Hon'ble Dr. Muralidhar Chandekar, Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati. The inaugural ceremony was chaired by Hon'ble Dilipbabu Ingole, Treasurer of Shri Shivaji Education Society, Amravati and among the other dignitaries on the dais were Dr. Varaprasad Kolla, Professor and Head, School of Life Sciences, ITM University, Raipur as a Lead trainer, Dr. Shilpa Jain, Programme manager, CoESME, Pune, Dr. V. G. Thakare, Principal, and Dr. Dinesh Khedkar, organizing secretary RBPT workshop. Dr. V. G. Thakare delivered his welcome speech which was followed by an introductory speech by Dr. Shilpa Jain, to brief about the role of CoSME and aim of organizing the workshop.

Lead Trainer, Dr. Varaprasad Kolla presented on the topics "Three in three" elaborating expectations and learning outcomes from the workshop and "Effective Pedagogy" details of various pedagogical methods to foster the skills and attitudes we expect in our students. Group activity on "Ideal student" was conducted by



Dr. Sanjay Chakane, groups of participants were asked to create a simple poster to show characteristics of their ideal students and enlist interests, attitudes, work habits, and ambitions of a perfect student.

This activity was followed by talk of Dr. Parvathi on "Learning through Questioning". She gave some examples of RBPT and maths softwares. Presentation and Group activity was directed by Dr. Rashmi on "Paper Planes". The main aim of this activity was to know that such a small activity has great meaning about framing questions that require classroom

activity, designing empirical methods, recording and reporting observations. Excellent presentation was given by Dr. Chakane on the topic "Student research and autonomy" with examples of RBPT's he had implemented in his college.



Dr. P. Kolla delivered lecture on "Elements of RBPT" he had revised the structure of RBPT and its six elements. Participants were asked to list topics from the syllabus where RBPTs can be implemented. Each group was then split to respective Subject Rooms for preparing a poster to describe their RBPT.

The Participant groups refined their RBPTs based on learning reviews and finalized their posters as per subject. The feedback from the participants had shown that all of the participants were excited to implement RBPTs in their colleges and they were thinking how they could kindle the inherent curiosity of their students.

National Youth Day Celebration :

On the occasion of National Youth Day, a program of Celebration of Remarkable Achievements of students in Games and Sports, NCC, NSS and Cultural events was organized on 12th January 2018 under the guidance of Dr. V.G.



Thakare, Principal, Shri Shivaji Science College, Amravati. Hon'ble Shri Dilipbabu Ingole, Treasurer, Shri Shivaji Education Society, Amravati was the president for the function. The guest of honor Shri M. T. Deshmukh, delivered an informative speech and interacted with the students. On this occasion 65 students of junior and senior college who had remarkable achievements in Games and Sports, Cultural events, NCC and NSS activities at state and national level were felicitated at the hands of Shri Dilipbabu Ingole, and Shri M. T. Deshmukh.

Annual Social Gathering- Shivotsav 2017-18 :
Annual social gathering "Shivotsav-2017-18" of the college was organized on 04 and 05th February, 2018. For Inaugural

Program Hon'ble Bharat Ganeshpure, Film Actor, was the chief guest and Hon'ble Nareshchandra Thakare, Vice-president, Shri Shivaji Education Society, Amravati presided over the



function. The other dignitaries on the dais were Hon'ble Dilipbabu Ingole, Treasurer, Executive Members Hon'ble Keshavrao Gawande, Hon'ble Keshavrao Metkar, Hon'ble Adv. Ashokrao Thuse, Shri Sheshrao Khade, Dr. V. G. Thakare, and Dr. S. P. Gawande, Convener, College Gathering Committee. In this program total 62 Gold medals were given to meritorious students of Junior college and UG and PG courses. Different cultural programmes were organised and many students perform with full enthusiasms.



Department of Chemistry:

Visit to State/National Laboratories for UG Students.

Seventy six students of B.Sc. II (PCM) visited the Hydrology Project under the Irrigation Department, Amravati. This visit was planned on 23rd February 2018. In this visit to Hydrology Project students got the information about the different gadgets by which various parameters related to environment were measured and recorded. Students got brief information about the sunshine recorder, Rain gauge, Stevenson screen, anemometer, Pan evaporator, Wind vane etc. Students also got the information about the working of the Hydrology Project. Visit to Regional Forensic Laboratory, Amravati was planned on 31st January 2018. PG Students of were participated in the visit. In this Visit Dy. Director of RFL, Amravati Dr. Vijay Thakare, briefed the students through power point presentation about the different departments of RFL and explained their way of working. This department is under the Home Department of Govt. of Maharashtra. In RFL, Amravati different aspects related with crime investigation is examined and on this report police get the clues related to crime. For this visit to both laboratories students were accompanied by Dr. P. R. Padole, Dr. N. R. Thakare, N. H. Bansod and Mr. Amol Thakare.



Social Awareness Programme :

In order to create awareness regarding environmental pollution, disposal of solid waste material is one of the major issues. For this we decided to explain hazards of excessive use of polythene bags and packing materials which causes toxic effects on food materials and blocks our drainage system, particularly during rainy season. Students from B.Sc. II (MFR) and M.Sc. II along with Dr. S. A. Wadhwal were taken to various commercial establishments in Amravati city. They were enlightened about environmental protection by avoiding the use of polythene products. An application regarding prohibition of use of polythene products was submitted to Mr. Narendra Wankhade, Deputy Commissioner, Municipal Corporation Amravati on 23rd March, 2018.

Review of Paper Writing :

This activity was organized for M.Sc. I and II students on 17th March, 2018. Total forty two students attended this activity. Mr. Kishor Shelake's presentation included what is citation, impact factor, h-index, i-index. Also he pointed out various UGC approved journals from different research areas of chemistry. All presentation were prepared under the supervision of convener of the committee. After that they were introduced about how to write the paper for particular journal, abbreviation of journal and explain author guidelines for that journal. Again what is Google scholars, how to register for the journal, procedure to send the paper to journal was explained. Hard copy of research sample paper related to their project work was provided to the students during activity.

Resources from PG to UG students :

Under this activity knowledge of P.G. students is utilized for better improvement in the knowledge of UG students, the former inculcates the teaching knowledge and the latter gain



it. In this session, the PG students had formed two demonstration groups each of three students **Group I**, demonstrated the uncommon chemistry practicals on the topic Chromatography for B.Sc. II PCM Sem IV students and **Group II** for B.Sc. II BJO Sem- IV students. All the U.G. Students were actively involved in this part and in real sense they learnt the subject through experiments. This resource is intended to help students to develop skills to improve their abilities to perform the chemistry experiments in the laboratory and also to understand the subject Chemistry.

Department of Computer Science :

Workshop on Android Apps Development on 26th March 2018:

Considering the need of today’s era and the requirement of students, the Com-Soft society of the department of Computer Science organized a two-day Android Applications Development workshop. The technical experts from IB@se Technologies conducted four sessions of three hours each including hands on practice sessions. This workshop was exclusively organized for the post graduate students of Computer Software. In this workshop the students were taught about Android O.S., installation, GUI development, SQ lite database system, etc.

Department of Biotechnology :

Thirty two Students of IX std. Z.P. Girl’s High school, Amravati visited department of Biotechnology to observe and learn PLANT TISSUE CULTURE TECHNIQUE on 03rd Feb 2018. The teachers of the department explained the details of techniques used in plant tissue culture. The students were enthusiastic in asking the queries and were satisfied on getting ideas cleared.

Department of Environment Science :

On the occasion of 8th March World Women’s Day, girls students & faculty members of the department participated in Walkathon organized by Amravati Gyaenic Association on 8th March 2018 under MoU of department. The rally started from Nehru Maidan and ended at Sanskrutik Bhavan, at 10 am. Various groups presented their activities at the Sanskrutik Bhavan.



Visit to Bamboo Garden :

Students of B.Sc. I yr. and M.Sc. II visited Bamboo Garden for Ecosystem Studies on 25th February, 2018. The students were

acquainted by the forest officials regarding the types of species and their uses. Students also visited the cactus garden and noted the types of cactus, also studied the biodiversity of the species in the nearby water ecosystem.



Visit to Sewage Treatment Plant :

Students of B.Sc. II and M.Sc. II were taken for visit to Sewage Treatment Plant, near Lakhadi, Amravati on 28th February, 2018. The students were practically demonstrated the equipments and methodologies used for treatment of sewage. They were shown the equipments like bar screens, clariflocculators, sedimentation and aerators, the sludge cake machine, etc.



Regular Noise and Air Pollution Monitoring :

The activity was conducted for creating awareness regarding the noise and air pollution, its abatement and public participation for tackling noise pollution. Students of B.Sc. II and III yr. took the activity of monitoring the four important squares viz. Gadge nagar, Rajkamal, Near Girls High school, and Court. The readings are also provided to AMC, Amravati for preparing their ‘Yearly Pollution Report’

Women Empowerment Cell (WEC) :

WEC was constituted in the college for creating awareness amongst the girl students and women employees about social mannerism during coeducation and for grievances for work in reference with anti-sexual harassment. WEC included one convenor and four members; it conducts various programs throughout the year. In this session 2017-18, WEC conducted Safety and social awareness programme for girl students. Cultural event for women faculty as a recreation programme was conducted. Also celebrated Savitribai Phule Jayanti on 3rd January, 2018.

Department of Languages:

Marathi Bhasha Diwas

It is said that Mother-tongue (Marathi) provides us wings of fire to fill this world with glow of its goodness. Hence the celebration of Marathi bhasha Diwas is needed. It was celebrated with great fervour and enthusiasm on 28th February, 2018 under the guidance of the Principal Dr.V.G.Thakare at Shri Shivaji Science College, Amravati. For this function Dr. V.B.Bhatkar was the guest of honour. Professor Dr. A.W. Asole presided over the function. V.V.Hebbar, Dr. R. V. Itewad, P.V.Barabde were present on the dais. On this occasion Dr. R.V.Itewad, the incharge of Marathi Department delivered the introductory speech. He elaborated on purpose behind the celebration of Marathi Diwas.



Department of Physics:

Competition on Presentation and Demonstration of Physics Experiments:

On the juncture of celebration of National Science Day (NSD-2018), Department of Physics organized a University level competition on Presentation and Demonstration of Physics Experiments for UG students on March 28th 2018. In all 48 students from various colleges of Sant Gadge Baba Amravati University jurisdiction participated in the seminar competition. Dr. V.P. Akhare, Rt. Professor, Department of Physics, Shri Shivaji Science College, Amravati, Dr. V. R. Pande, Professor, Department of Physics, G.V.I.S.H. Amravati and Dr. R.V. Barde, Department of Physics, Indira Gandhi Vidhyanavidyalaya, Ralegaon examined the participants.



Summer Course in Experimental Physics

"Summer Course in Experimental Physics" an enriched short term course on Physics Experiments for Undergraduate students was organized by Department of Physics during 11th to 20th June, 2018. The course was inaugurated by Principal Dr. V.G. Thakare, Dr. V.B. Bhatkar, Head Department of Physics

elaborated on the need of the course in the current scenario. Dr. H. S. Lunge, IQAC co-ordinator expressed his thoughts and congratulated the students for their participation on this occasion.



In all twenty two participants participated in the course from the various colleges of Maharashtra. This course provided an opportunity to motivate B.Sc. Physics students to carry out comprehensively some selected experiments from different branches of Physics. A session on analysis of theoretical concepts in Physics using Maple Simulation Software was also arranged during the course. Dr. Sham Anwane, Head, Department of Physics, Shri Shivaji Science College, Nagpur was the resource person for the session.

Department of Statistics:

Seminar Competition on NSD-2018:

On eve of NSD-2018 (National Science Day) the department of Statistics organized Intra - class Seminar Competition at College level on 28th February, 2018, for the B.Sc. II year students, on the theme "Application of Statistics". Thirteen students from the Second year took part in the competition. Dr. S.V. Choudhari and Dr. H.S. Lunge performed duty as Referee. Miss. Tanuja Patekar of our college has participated in Intra-Class Students Seminar Competition and received the First Prize, Second Prize was won by Miss. Trupti Thadkar and Third Prize by Miss. Shivani Dhonde in this Competition



Department of Zoology:

Inauguration of Zoological Society:

Inauguration of Zoological Society at the hands of Dr. K. M. Kulkarni, former Director Higher education, whereas Principal Dr. V.G. Thakare presided over the function. Dr. K. M. Kulkarni delivered a lecture on "Research methodology" on 11th February, 2018

Eco-tourism & Wildlife Photography course :

Eco-tourism & Wildlife Photography course organized a two-day residential "Nature Camp cum Workshop" at Shahanur Interpretation Centre, Narnala Wildlife Sanctuary, Akot Division of Melghat Tiger Reserve on 12th-13th February 2018. The Nature Camp was inaugurated at the hands of Shri Guruprasad DCF, Akot Division, Melghat Tiger Reserve. The Wildlife technical sessions and adventure activities session were led by Wildlife and Mountaineering experts of the region Prof.Vinayak Sakharekar, Dr.G.A. Wagh, Dr.Jayanat Wadatkar, Dr.Shrikant Warhekar, Mr.Susil Raut, Mr. Manish Dhakulkar and Mr.Gourav Kadu. Forty one students of COC-EWP course actively participated in the Nature Camp cum workshop. Students actively participated in Paldhari nature trail, Narnala Fort sight seeing, vegetation monitoring, Bird watching, Adventure activities, hands on photography training & GPS demonstration and technical session of the workshop. Dr.M.M.Baig, associate professor GVISH Amravati delivered a lecture on "Diversity in Rat Genome" on the occasion of farewell to M.Sc. II students on 10th March 2018. The 22 students participated in the Nature trail in Wadali Garden. 12 Students of Eco-tourism & Wildlife Photography course participated in cleanliness drive 'Beat Plastic Pollution Campaign in Amravati City' on the occasion of World Environment Day-2018' on 05th June 2018, organized by Forest Department, Amravati District & Wildlife and Environment Conservation Society, Amravati.

NSS Events Spectrum 2018:

College organized a student motivated NSS camp at adopted village Naya Akola from 24th January to 31st January 2018. The camp was inaugurated with the hands of Dr. Keshavrao Gawande, Member, Shri Shivaji Education Society, Amravati,



Dr. V.G. Thakare, Principal, Dr. Rajesh Mirge, NSS Coordinator, SGB Amravati University, Shri Sham Deshmukh, Sarpanch and Dr. Tushar Wankhede, NSS program officer. The camp intended to develop quality of leadership, responsibility, sensibleness, courageousness among NSS volunteers.



Hundred NSS volunteers with social motto had actively participated in different society oriented programs like Swachh Bharat Campaign, Voters awareness, Pulse Polio campaign, Economic literacy, Woman empowerment, Save girl child, Health awareness camp, Water conservation, River bund construction and Andhshradhha nirmulan campaign. In night, cultural programs like Dance, Vocal singing, Instruments playing, Bhajans, Kavi sammelan, Drama and arts were performed by the students and villagers.

NCC :

The College NCC unit had adopted Ajangaon Bari Village in pursue of Swachh Bharat Abhiyan, health check-up, street play and one act play for awareness about health and cleaning of dra inage etc.



Environment Day (5th June 2018)

On the eve of world environment day -2018 NCC Cadet of ShriShivaji Science College, Amravati was participated in Swachh Bharat Abhiyan at VirMangalPark Square, Amravati. Cadets collected Plastic and garbage of nearby premises; nearly 20 kg of plastic has been collected and disposed off. The cadets, ANO Lt. N.H.Bansod, C/T Pradhan and PI staff also participated in awareness rally about Swachh Bharat Abhiyan from NCC bhavan to Maltekadi. Cadets were very enthusiastic with program.



International Yoga Day (IYD-2018)

International Yoga day was celebrated by NCC cadets at Vidyabharati College, Amravati. Nearly 50 cadets were participated in IYD-2018. The instructor Dr. Parate Madam guided and motivated the cadets about yoga, the day started with yoga. The cadets were pleased with various yogas and their benefits.

International Yoga Day -2018 was celebrated on 21st June 2018 in college auditorium. Principal, teachers and students

performed various 'Asanas' under the guidance of College Yoga expert Sh. Vishwas Jadhao.

Students Achievements :

12th Maharashtra State Inter University Research Convention 'AVISIKAR 2017':

Yash Pramod Puri was Awarded the First prize at UG level under the discipline Pure Sciences held on 15th-17th January 2018 at Mahatma Phule Krishi Vidhyapeeth, Rahuri, (M.S.) Project Title: India's First Air Purifier with Cooling and Heating Technology, Project Guide :Dr. Dilip V. Hande.



Mr. Nikhil Mawale has secured first rank [First Merit] in the M.Sc. Computer Software SGBAU examination Sum-2017 from the university.

Ku. Jaswini Bahadure has secured fifth rank [Fifth Merit] in the SGBAU B.C.A. Sum-2017 examination from the university.

Ku. Gayatri Paranakar has scored highest marks in the SGBAU –B.Sc.- Sum-2017 examination in the subject Computer Science from the college.

Ku. Juhi Ghate has scored highest marks in the SGBAU –B.Sc.-Sum-2017 examination in the subject Voc. Computer Application from the college.

Cdt. Rakshita Ukesh, Cdt Shashikant Patil and Cdt Vaibhav Gilorkar were selected for Thal Sainik Camp(TSC)-Delhi-2017.

Ku. Priyanka Dudhe and Ku. Samiksha Chaudhari are selected by Cognizant Technologies Pvt. Ltd. Pune during the campus placement drive organized at Vidyabharati Mahavidyalaya, Amravati.

Mr. Rushabh Kolhe & Mr. Shubham Kapse of B.C.A. were selected and placed at Acute Informatics Pvt. Ltd., Ahmadabad, Gujrat.

Ku. Priyanka Dudhe, Ku. Samiksha Chaudhari were selected at Caggemini, Cognizant & Infosys Pvt. Ltd. respectively

Ms. Rutuja Tathod of B.Sc. III (PCM) bagged First Prize in Intercollegiate Seminar Competition organized by ShriShivaji Science College, Akot In association with Amravati University Chemistry Teachers Association.

Ms. Pallavi Dhakare of B.Sc. II (PCM) bagged Second Prize in Intercollegiate Seminar Competition organized by J. D. Patil Sangludkar, Daryapur in association with Amravati University Chemistry Teachers Association.

Ms. Nikita Dange and Mr. Shubham Hedao of B.Sc. I (MEB) bagged First Prize in Intercollegiate Quiz Competition organized by RLT science College, Akola in association with Amravati University Chemistry Teachers Association.

Ms. Vanshika Sharma and Ms. Shweta Shirbhate of B.Sc. III (BIO) bagged Third Prize in Science Exhibition on the occasion

of national Science Day-2018 organized by SGB Amravati University, Amravati for the working model on Conversion of Plastic in Fuel.

Ms. Snehal Dande from B.Sc. II was selected for state level poster competition during 22nd-26th February 2018 organized by NSS.

Ku Shreya Telmore BSc.I and Kalyani Lawange BSc.II participated in Archery at All India Inter University Guru Nanak Dev University, Amritsar from during 20.02.2018 to 22.02.2018 and at Kalinga Institute of Industrial Technology (KIIT), Bhubaneshwar respectively.

Shashank Rukhane BSC-II participated in Table Tennis at West Zone Inter University Tournaments Solapur University, Solapur from 23-01-2018 to 26-01-2018.

Ku Rutuja Kawathale BSc-I participated in in athletics Ashwamedh krida spardha, held at Dr. Balasaheb Sawant Kolkani Krishi Vidyapith, Dapoli, during 27-11-2017 to 01-12-2017.

Pranav Gohad of BSc-I received Silver Medal in Archery held at Pune.

College Staff Awards :

Dr. Sangita P. Ingole Head of department of Environmental Science has been awarded with "Best Teacher Award" from senior college category for her contribution in the college.



Mrs. S. S. Kohale, junior college teacher, Department of Mathematics has been awarded with Best Teacher award for the year 2017 for her contribution in the college.



Shri. R.A. Jamanik, junior clerk from office, has been awarded a Best Non-teaching staff, for his contribution in the year 2017.



Teachers' Achievements :

Dr. Sangita P. Ingole worked as judge for Taluka Level Science Model Exhibition in 'Cambridge International School' on 21st Jan. 2018.

Dr. Sangita P. Ingole and **Mr. K. J. Gawai** are the members of 'Environmental Cell' of Amravati Municipal Corporation, Amravati.

Ms Manisha Jane was felicitated in Shivostav 2017-18 for the award of Ph.D. degree.

Dr. J. D. Dhote Chaired technical session in "National Conference in Synthesis and Characterization of Futuristic Material in Sciences for the Development of Society" at Sakharherda dated 13th January 2018 and presented a paper.

Dr. J. D. Dhote worked as Jury member in technical session in International Conference "Recent Trends in Science And Technology" organized by S.S.S.K.R. Innani Mahavidyalaya Karanja Lad, dated 23rd March, 2018 and presented paper

Dr. S. D. Wagh worked as a reporter in National Conference in Synthesis and Characterization of Futuristic Material in Sciences for the Development of Society at Sakharherda dated 13th January 2018 and presented a paper.

Dr. G. A. Wagh delivered a lecture on 'Immunology' on 06th March 2018 in the Department of Zoology, Bhartiya Mahavidhyalaya, Amravati.

Dr. G. A. Wagh delivered a lecture in the one day Workshop of Biodiversity on 'People Biodiversity Register (PBR)' on 22nd March 2018. The workshop was organized by Maharashtra State Biodiversity Board (MSBB).

Dr. N. V. Bhatkar Delivered a lecture on "Women empowerment" in NSS camp at Naya Akola on 27th January, 2018.

Superannuation of Staff:

Dr. N. N. Vidhale, Head, Department of Microbiology and Biotechnology retired on 31st May 2018 after successfully serving this institution for 37 long years. He was a popular teacher of both the subjects Microbiology and Bio-technology. He was also engaged in research activities.



Dr. S. H. Deshmukh, an Associate Professor from the Department of Physics retired on 30th June 2018. He had joined as a Junior College teacher in Physics in Shri Shivaji Multipurpose Junior College. He was transferred in this institution in the Junior wing. He was then selected in the senior college. He was engaged in research activities. With a senior college teaching experience of 10 years he retired from the Physics Department as an Associate Professor in Physics,



Shri. S. R. Pachel, Laboratory Attendant was given a warm send off on the day of his retirement i.e. 30th June 2018. He served in this institution for nearly 38 years.



Shri. R. S. Isal, an employee in the Junior College in Department of MCVC retired on 30th June 2018. He had joined this institution in 1989. He served the institution sincerely with notable contribution.



Upcoming Events

- Workshop on Career Opportunities in Japan and Abroad
- Zep- Career Guidance by Alumni who passed IAS.
- DST Sponsored Inspire workshop for 11th Science Students.
- Celebration of Dr. Panjabrao Alias Bhausaheb Deshmukhs Jayanti -2018
- Silver Jubilee Celebration of Physics P.G. Dept. & Alumni meet.
- Research Festival- Amravati District Level Avishkar- 2018
- Career Guidance from Alumni Association.

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July- December 2018



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

NAAC Accredited 'A' Grade (Very Good) with CGPA 3.13
College with Potential for Excellence



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IQAC NEWSLETTER

DST Inspire Internship Camp

Department of Science and Technology, Govt. of India sponsored **Inspire Internship Camp** was organized on 25th to 29th Dec. 2018 to nurture and polish the intellectual students at junior college level where they made a choice to learn science with the novel thought to conceive Scientists of the caliber of Nobel Laureates in this wealthy nation with ritualistic sessions.



Shortlisted 177 students securing 77 percentage of marks in SSC from all over the Maharashtra participated in this camp. The mentors invited to guide were from the pool of experts generated by DST from very reputed national institutes like IITs, IISERs, ICT, HBCSE, IGNOU New Delhi, University of Nagpur and Harisingh Gaur, Sagar, DAV College, Amritsar, etc. The camp was inaugurated at the hands of Hon'ble Dr. P. Lakshminarasimhan, Head, Botanical Survey of India, Western Region, Pune. Hon'ble Harshwardhan Deshmukh, President, Shri Shivaji Education Society, Amravati chaired the Inaugural Session. Hon'ble Sharad Gosavi, Chairman, Maharashtra State Board of Examination, Amravati Division, Amravati and Adv. Ashok Thuse, honoured the dais with their graceful presence.



Various competitions were conducted to explore and nurture creativity, imagination and invention potential of the students. These competitions were, Identify The Biggest Problem, Unlock The Problem,

Great Idea Competition, Dream World Concept Competition and Essay Competition on 12 topics of National Interest. The camp concluded with the brainstorming counseling by Architect of India's Param supercomputers and Pioneer of IT industry in India, Padmabhushan Dr. Vijay Bhatkar. This Valedictory session was Chaired by Hon'ble Shri Dilipbabu Ingole, Treasurer, and Shri Hemantji Kalmegh, Executive Member along with Shri Shesharao Khade, Secretary, Shri Shivaji Education Society, were present on the dais.

Fold-Scope: Wonderful Educational and Research Tool

It is DBT sponsored initiative to explore the research opportunities for the students through different activities.

Outreach Activities

The students of the B. Sc. Final year conducted workshops titled "Exploration of Minuscule World through Foldscope" in 20 schools in and around the city of Amravati. Around 800 students were offered with hands-on experience to see and enjoy the micro-world.

The same experience was imparted to common citizens in the city of Amravati by conducting sessions at colonies and societies.

Students' Exchange



To bring North East states into the main flow of the national development and exchange education, research and culture with the rest of India, it was mandatory for every Principal Investigator to collaborate research projects with each other. Shri Shivaji Science College, Amravati collaborated project with Dr. Mousmi Saikia, Anandarm Dhekial Phookan College (A. D. P College), Nagaon, Assam and Dr. Roohi Mushtaq, Sri Pratap College, Cluster University, Srinagar. In the further collaborative process under the project, "Student Exchange Programme" is envisioned. The first linking activity was conducted as the visit of North East Students to Shri Shivaji Science College, Amravati during 9th Oct. to 10th Oct. 2018.

This Exchange Program was a one-day Twinning Sessions to explore opportunities of research through Foldscope and a visit to the Ankur Seeds Company, Nagpur was also organized on this occasion.

In return to the visit by North Eastern Students to this institute, students from Shri Shivaji Science College, Amravati visited Assam under the similar program during 24th Nov. 2018 to 2nd Dec. 2018. This visit included places like Kolkata, Guwahati, Nagaon, Kaziranga and Shillong. Besides, twinning partner institute, Indian Council of Agricultural Research was also explored. Dr. Krishnappa and other three Principal Investigators were working in this centre for different research areas with foldscope



Amravati District Avishkar Teacher Coordinator Workshop

The Amravati District Avishkar Teacher Coordinator workshop was organized for creating awareness in teacher coordinators about the objective of Avishkar, to promote and encourage the budding researchers to participate in Avishkar. The aim of the workshop was to inculcate research attitude among the students and motivate them to take up research works. The event was organized on September 8th, 2018. Dr. D. T. Ingole, Director, Board of Innovation, Incubation and Linkages of SGBAU, inaugurated the festival, while Dr. V.G. Thakare, Principal presided over the function. Introductory remarks were expressed by, Dr. Ananad Aswar Co-ordinator, Avishkar Cell, SGBAU and Dr. D.V. Hande District Coordinator proposed the vote of thanks. Total 56 teachers from various colleges actively participated.



Inter-collegiate Amravati District Research Festival - Avishkar-2018

Dr. F.C. Raghuvanshi, Dean, Science and Technology, Sant Gadge Baba Amravati University Amravati inaugurated the festival, whereas Hon. Harshvardhan Deshmukh, President of Shri Shivaji Education Society, Amravati presided over the function. Introductory remarks were expressed by Dr. V. G. Thakare, Principal while Dr. D. V. Hande proposed vote of



thanks. The research festival was organized on 18th December 2018 to inculcate research attitude among the students and motivate them to take up research works. In all there were 115 (PS- 32, AAH- 20, HLF-24, CML-15, , MP- 24) posters and models from five subject categories. Each poster and model was presented by two students. Total 200 students had directly participated in the event and 200 more students visited posters and models from various colleges. Finally 26 entries of researchers from Amravati district were selected for University level Avishkar- 2018.

Department of Botany

Botanical Society Inauguration 2018-19

The Inauguration of Botanical Society for the year 2018-19 was done at the hands of Prof. Krishnendu Acharya, Department of Botany, Calcutta University, Kolkata on 16th October 2018 and Prof. Krishnendu Acharya delivered a lecture on "Mushroom Taxonomy and Beyond". The program was chaired by Principal Dr. V.G. Thakare and the office bearers of running academic year were also installed at the hands of guest. Many students from different colleges across the area of Amravati University enjoyed the feast of knowledge. All staff members of the departments and students helped for successful organization of the event.



Ecofriends : Installation Ceremony

The installation Ceremony of the Executive for the year 2018-19 was organized on Saturday 4th August 2018. Miss Bhagyashri Maggirwar (Mahisekar), Deputy Director, Water Supply and Sanitation Department, Government of Maharashtra was the chief guest for this programme. She delivered the talk on "Being Ecofriends.... A step towards environmental education, protection and security".

Paper bag making workshop

Bags are one of the most important part of our daily life and we all need bags to carry our daily essentials. Being great for our

environment the use of paper bags has proven to be far better than the use of plastic bags. Paper bags are gaining importance as these bags are 100% reusable, recyclable and biodegradable and at the same time environment friendly. With this background the "Ecofriends" took the initiative to jointly organize the workshop on "Paper bag making" with



Indian Women Scientist's Association (IWSA) Amravati Branch on Saturday 4th August 2018. Dr. Deeplaxmi Kulkarni, Bhartiya Mahavidyalaya, Amravati and Coordinator IWSA with her students had given training to in all 80 students of Shri Shivaji Science College and Brijlal Biyani College for paper bag making. The IWSA members Dr. Rina Lahriya, Dr. Kumud Chaudhari were also present for this workshop.

Friendship day celebration

Ecofriends celebrates friendship day every year in a unique way. This year on 6th of August 2018 it was celebrated to spread awareness regarding "Environment conservation". The friendship paper bags with messages were specially prepared by the members of Ecofriends. These paper bags were presented to the teaching faculty members of the college on this occasion.

"Matiche Ganapati" Abhiyan

Ganesh Festival is one of the major festivals celebrated in our region. "Matiche Ganpati Abhyaan" campaign was organized from 11th to 13th September 2018 in the college campus to spread awareness regarding harmful effects of plaster of paris (PoP). The inauguration was done by the hands of Honourable Harshvardhan Deshmukh, President of Shri Shivaji Education Society.



The other dignitaries were Hon'ble Dilipbabu Ingole, Treasurer, Sheshraoji Khade, and Dr.V.G.Thakare, We received overwhelming response for this campaign and almost 400 Ganesh idols were purchased by the citizens from the stall

organized in college campus. All the "Ecofriends" actively participated in this event.

Botanical Excursion : Botanical excursion of B.Sc. I students was arranged on 29th September 2018 to Chikhaldara to study, understand the plant diversity and their habitats. Students collected the samples and identified them in the laboratory. Dr. G.B. Hedawoo and Dr. R.C. Maggirwar accompanied students as tour in charge. The excursion to 'Melghat Tiger Reserve' Kolkhas on 6th of October 2018 was organized. There were 140 students of B.Sc. II and M.Sc. II along with Prof. B.K. Dorkar, Dr. D.V. Hande (Prof- in charge), Dr. Anand Oke, Miss. Renuka Dihiye (Lady Escort), and Mr. Ravi Kale and Sarju Ingle (Non-teaching staff). Students studied diversity of angiosperms and photographs of flowering angiosperms were collected and medicinal importance of rare plants also studied.

Guest lecture and Welcome Function: Guest lecture was arranged by the Bioinformatics department on 24th Sept-2018. Mr. B.K. Dorkar, presided over the function. Introductory talk was given by Dr. G.B. Hedawoo, coordinator P.G. Department of Bioinformatics. Dr. H.S. Lunge, addressed the students. Dr. Pravin Deshmukh, Scientist B, National Institute of Virology, Pune was the chief guest and delivered the talk on "Recent trends and opportunities in Bioinformatics". All the students were present for the function.



Department of Chemistry

Science Awareness Programme

To promote scientific temper among school students the department had arranged Science Awareness Program on Saturday 18th August 2018 for the middle school students of Shivaji multi high school under the convenership of Dr Anjali Bodade. It was a two-fold activity by hundred students from B.Sc II PCM, PHG and BIO for four hundred and fifty students of standard V, VI, VII. The Program was inaugurated at the hands of Prof and Head Dr G.N. Chaudhari and Principal Muley in the gracious presence of the departmental staff members like

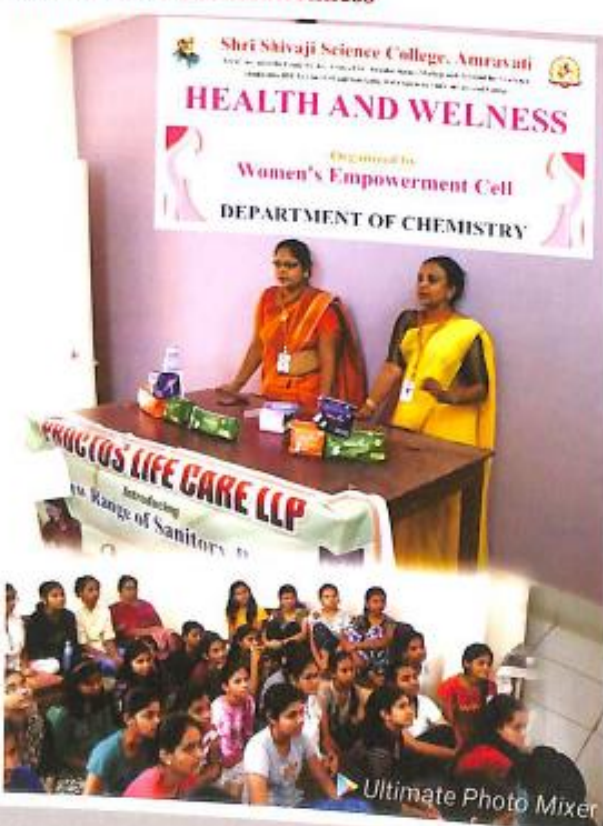


Dr. Archana Burghate, Dr Prashant Mandlik, Dr Nitin Bansod , Dr Nilesh Thakre, Dr. Pramod Padole , Ms Sakshi Sable along with the staff members of the school, Watane sir, Malvey sir and Farkade sir from forest department. Various activities were carried out throughout the day such as, participation in school assembly, presentation of two skits, distribution of vegetable seeds to school students power-point presentation on tiger conservation , astronomy and formation of earth's crust activity, conservation of tradition and culture by displaying posters and demonstration of basic scientific experiments.

Seminar on Aaharatun Aarogyakadyun Sundartekade

A seminar on AAHARATUN AROGYAKADYUN SUNDARTEKADE was arranged on Monday 24th September 2018. Dr Vaishali Gulhane guided the students about the co-relation between DIET, HEALTH AND BEAUTY OF THE BODY SOUL AND MIND by power point presentation .The program began with meditation . Stress was laid on the Diet for the teens, Charming 40s and diet to be kept in the Canteen. A diet plan was proposed and consumption of soups, sprouts and uncooked food was given importance and suggested to consume very less quantity of chapatti. Simply by changing the diet one can not only cure disease but also achieve beauty. Students were also guided on polycystic ovaries, psoriasis and care to be taken by a diabetic. We had an open interaction with the students and the students asked their personal questions. Dr. Anjali Bodade informed the students about the Cosmetology Course.

Seminar on Health and Wellness



To highlight the importance of good menstrual hygiene management, Dr Anjali Bodade, Convener of WOMEN EMPOWERMENT CELL in Collaboration with Department of CHEMISTRY had arranged a Seminar on MENSTRUAL HYGIENE for the students of PAYOSHNI girls' hostel on Sunday 30th September 2018 in the hostel hall. Girls must freely discuss about their problems with their friends /care taker. Girls shouldn't feel ashamed about getting menses, it's a natural phenomena. A team from Nagpur was called upon to introduce about their quality product FEEL NEW which guided the students and also distributed free samples . Fifty girls took part in the activity.

Hands-on Body Spa

Apart from the regular syllabus framed by our university for the career oriented course in Cosmetology we keep the students updated with the latest techniques in the beauty world. Accordingly Women Cell in Collaboration with Career oriented course in Cosmetology, had arranged HAND- ON BODY SPA on sunday 23rd September 2018 by demonstrating the various steps by the experts. Ms Bhavana and Sneha accompanied by Dr Yogita Kale from AROGYAM, Amravati. Students were explained about the various steps involved in body spa and also given practise .They were also informed about the importance of music and the ambience of the room while the client is treated. The role of various creams, scrub and cleansing agents, different types of packs was also explained. At the end the results were quite clearly visible on the student model. Students were happy to learn about whole body spa.



Department of Computer Science

COMSOFT: 2018-19

The ComSoft society was formed by P.G. students of Department & was inaugurated on 06th Sept-2018 at the hands of Prof. Dr. P.N.Mulkalwar, Ex-Chairman, BoS of Computer Science, SGBAU, Amravati. This function was presided by principal Dr. V.G.Thakare. Dr. H.M.Deshmukh (Head, Dept. of Comp.Sci.), Dr. Dinesh Satange (Arts, Commerce, Science College, Kiran Nagar, Amravati), Prof. L.R. Mule, (Head, Dept. of Comp.Sci., Jagdamba Mahavidyalalaya, Achalpur), Dr. Varsha Tondare (Head, Dept. of Comp.Sci., Brijlal Biyani College, Amravati), Mr. V.W.Labde were present on dais on this occasion. All the dignitaries were felicitated & then Dr.Hemant Deshmukh briefed about the formation of this ComSoft Society as head of the department. Dr. P.N. Mulkalwar appealed to students to participate in different academic activities to improve the overall skill of students. In the



presidential speech Dr. V.G.Thakare asked the students to take initiative to provide digital solutions to the college for different requirements. He said, we are expecting more P.G. students to come forward for research activities.

Inter Collegiate Seminar Competition organized by department for PG Students on 06th Sep-2018

The department had organized an intercollegiate seminar competition for P.G. students in Computer Science & Application. Total fifteen students from different eight colleges under SGBAU jurisdiction participated in this competition. The First/Second/Third winners got the cash prizes of 3001/-, 2001/-,1001 respectively with the certificates.

Three-Day Workshop on PHP organized

Considering the need of the era and the requirement of students, the department organized a three-day PHP Applications Development workshop. The technical experts conducted six sessions of three hours each including hands-on practice sessions. This workshop was exclusively organized for the post graduate students of Computer Software. The students were taught about PHP programming concepts, controls, some advanced PHP concepts like error handling, debugging, PHP with XML, PHP with MySQL, etc.



Workshop on Cyber Security

On the occasion of Dr. Bhausaheb alias Panjabrao Deshmukh birth anniversary, Prof. Mukul Bhonde organized a workshop on Cyber Security for BCA & B.Sc. students specially on 28th Dec-2018. This workshop covered the topics of Cyber Crime, Cyber Laws & Cyber Security.

Department of Geology

Geological Wall Magazine

Geological Society 2018-2019 & Geological Wall Magazine was inaugurated by Prof. S.V.Kulkarni, Bhartiya Mahavidhyalaya, Amravati and Prof. S. A. Salway Former Head of Department of Geology, on 10th Sept. 2018. The Number of Participant of these programme were 15 Groups with 35 students from B.Sc



I, II and III. The Aim of Wall Magazine is to develop their interest and awareness regarding the subject and to build up students' confidence, student unity and to promote their ideas and develop their skills. In Geological Wall Magazine Programme, in that poster presentation and geological model competition was taken. The topic of poster presentation and Geological Model is Internal structure of earth, moon, star etc, Why Mount Everest is so tall and also another topic is rock cycle, different types of rocks their texture, structure and also trace fossils and some structural geology terminology etc.

World Water Week

Invigorate World Water Week 2018-2019 by Prof. Y.K.Malve, Sant Gadge Baba Amravati University, Amravati and Nilima Ingale, Rural Water and Sanitation Dept., Zilha Parishad, Amravati on dated 04th Sept. 2018 as a joint venture of Dept. of Geology and Dept of Environment Science. This Programme was held to propagate academic sense of UG and PG level. Prof. Y.K.Malve and Nilima Ingale guided the students related to topic "Watershed Management and technology", "Rainwater Harvesting" and also said that "save water- one drop at a time."



Department of Environment Science

Tree plantation activity by the college and department on 31st July, 2018

Tree plantation activity was organized on the eve of national tree month by Govt. of Maharashtra. Also International Tiger Day was celebrated on 30th July 2018, by conducting Seminar by PG students on 'Tiger: Pride of Nation'. Documentary on "Tigers of India" was shown to the students on this occasion.

Participation in Cycle rally in collaboration with Mission Olympics

Students and staff from the department of Environmental Science participated in the cycle rally organized by Shri Shivaji Sci. College, and Mission Olympics, Amravati, on 15th August 2018.



Inauguration of Environmental Science Society

The Environmental Science Society was inaugurated on 21st August 2018. The society was inaugurated by Mr. Himanshu Mathur, Executive Director, Rattan India Power Ltd. Amravati. On this eve Guest lecture was delivered by Mr. Himanshu Mathur on Topic., Natural resources conservation and management issues. Mr. Hemant Nimkar, Mr. Abhijit Sarvaiyya were present on the occasion.



World Water Week

Guest lecture in collaboration with Dept. of Geology on Water conservation, by Dr. Mawale & Ms. Nilima Ingale was organized on 28th August to celebrate the World Water week. Participation in Maticha Ganpati Basawa Mohim: 12-13 Sept 2018, participation in Maticha Ganpati Basawa Mohim, by creating awareness amongst common public.

Ozone Day Celebration

"International Day for the Preservation of the Ozone Layer", was celebrated on 18 Sept. 2018, A poster painting competition was organized for the school children from Sai Baba Vidyalaya, Kasturba Kanya



Vidyalaya and Shri. Shivaji Multipurpose High school and the students from the UG and PG dept. of Environmental Science with the Theme "Plastic eradication". All staff members and students of college and the school participated in the event.

Guidance for participation in Avishkar competition

Mr. Yash Puri Guided the UG students for poster and model preparation for Avishkar competition 2018.

Participation in Vasundhara film festival

Students from the department participated and won 2nd running trophy in the Vasundhara film festival organized by Satpuda Foundation in collaboration with wildlife conservation society, Amravati. The students presentations: a mime by M.Sc. I, a drama by M.Sc. II and a poem by Ms. Aishvarya Thakare of B.Sc. I year.



Field Visits

The departmental students visited Chikhaldara on 19th Sept. 2018. 35 students from P.G. with 4 teaching faculties visited the various sites and studied the forest Biodiversity, and performed the Practical related to landslide studies, natural resources, etc. Also a visit to Rattan India Thermal Power Plant was organized in which 90 Students with 4 teachers of B.Sc. III yr and M.Sc. I & II year visited the Power plant on 28 and 29th Sept. 2018. The students were informed about the overall working and management of the power plant along with the techniques implemented for waste management.



Noise Pollution Monitoring

The activity was conducted for creating awareness regarding the noise pollution, its abatement and public participation for tackling noise pollution.

Library

Two-day Book Exhibition was organized on 10 & 11 August 2018. The exhibition was inaugurated by hands of Dr V.G. Thakare, Principal. All the staff members and students were present on this occasion. Publishers from Nagpur, Mumbai, Meerut and some local vendors displayed books on different subjects.



Author's Talk was organized on 15th October to celebrate Reader's Day on birth anniversary of Late president of India, Dr A.P.J. Kalam. Loksatta Chief Editor Mr Devendra Gawande was invited on this occasion. He discussed his views on the topic Shahari Nakshalwad.

Department of Microbiology and Biotechnology

Essay Competition

The essay competition organized for all the students on the topic 'Is irradiation of plastic bag is really an exact solution for pollution control?' on 31/07/2018. The B.Sc final student



(MCB) Miss. Nirmiti Band grabbed the 1st prize, Miss Shivani Punse (Bio group) grabbed the 2nd and Krutika Manmode (BTC) grabbed the 3rd prize.



Guest Lecture

The Guest lecture of Dr. Sanjay Reddi was arranged on 03/08/2018 on COMMUNICATION SKILL.

Quiz Contest

The student of Microbiology and Biotechnology B.Sc Part III and II conducted a QUIZ CONTEST on 28/ 08/2018, for the students of B.Sc I. The I prize was grabbed by Miss Riya Bajaj, II prize grabbed by Miss Samiksha Deshmukh. Ms. Kamilika Bagade and Ms. Vaishnavi Hatwar got the consolation prizes.

Educational visit

The students of B.Sc Part III Microbiology visited MUNICIPAL WATER TREATMENT PLANT, Mardi road, Amravati on 28/09/2018. There they studied various water treatment and processing unit.



Poster Competition

The Intercollegiate poster competition was organized by the Dept. of Biotechnology on 'EXPLORING THE WORLD BY BIOTECHNOLOGY' and it was judged by Mr. K.J. Gawai and Dr. Nikhil K. Agrawal. The First prize was grabbed by Miss Manali Kulkarni, Miss Ruchita Kanolker and Miss Shurti Shette, group of Shri Shivaji Science College, Amravati. II prize was grabbed by Mr. Vipul Sune and Mr. Sumeet Kanpate group of Brijlaj Biyani Mahavidyala Amravati, III prize was grabbed by Mr. Ashish Daydar Bhartiya Mahavidyala, Amravati and the consolation prize given to Miss Abha Daga and Miss Abha Patil group.

Department of Physical Education

Tournaments Organized



Physical Education and Sports Department organized SGBAU, Amravati Inter Collegiate Basketball (Women) Tournaments and selection trials 2018-19 on 09/10/2018 to 12/10/2018. Total 32 Women's Team had participated in this tournament. The Inaugural ceremony was held in which Shri Dilipbabu Ingole, Treasurer, Dr. V. G. Thakare, Principal, and among the guests were Dr. Madhuri Chendake, Selection

Committee, Shri J. D. Deshmukh, Secretary, Amravati District Basketball Association, Shri Gajanan Patil, Dr. Abhijit Bhise,



Selection committee member, graced the occasion with their presence. In this tournament our Shri Shivaji Science College team was declared the Runner team and from amongst, Ms. Sukhada Deshmukh and Ms. Sampada Deshmukh were selected in the team of SGBAU for West Zone Inter University Tournaments and Maharashtra State Inter University Tournaments (Ashwamedh-2018).



Department also organized Tree Plantation Program and "माणुसकीची भित" Program in which old clothes are collected and then distributed amongst the needy people. Also the Department contributed in organization of SGBAU Handball (Women) Tournaments, and District, Division level school tournaments of Kho-Kho, Basketball, Handball, Dodge ball.

Department of Physics

Physics society Inauguration and Guest Lecture

Inauguration of Physics Society of the college was held on 12th September 2018. In the inaugural function, Shri. Dhirajbhai Patel, owner of Patel Electronics graced the occasion as the Chief Guest while Dr. V.G. Thakare, Principal of the College, preside over the function.



The welcome address was presented by Dr.A.W.Asole and Introductory Speech by Dr.V.B. Bhatkar. The dignitaries inaugurated the physics society by Unveiling The Inaugural Card of physics society. Later the Annual Report of department was presented by President of physics society Miss Bhagyashri G.Kurvade. In his inaugural Speech Shri. Dhirajbhai Patel suggested the students to go for entrepreneurship. The Presidential Speech was delivered by Dr.V.G. Thakare.

In the inaugural function student from Physics Department of Sant Gadge Baba Amravati University, Amravati, Govt.Vidharbha Institute of Science And Humanities, Vidyabharti Mahavidyal, Amravati were present. After inaugural session a "Quiz Competition" and an event 'Fun With Physics' was organized by the students. The Prizes were distributed to the winners of the competitions and the function was concluded with the National Anthem.

Silver Jubilee Celebration of PG Department of Physics

The Alumni meet and Silver jubilee celebration ceremony of PG department of Physics was inaugurated on 29th September 2018. The day has witnessed beautiful wide spectrum of gathering of ex-principals, ex-teaching staff, ex-non-teaching staff and ex PG students with existing faculty and students..

The event was started with heartfelt condolences to the departed souls of late teaching faculty, nonteaching staff and students of Physics department.

A journey of Physics department, since its inception in 1958, was presented through slide show with narration. One of the important milestones in the history of the department is of recognition of this department as P.G. Department and Research Center, by Sant Gadge Baba Amravati University, Amravati in 1992. In the event ex-principals, ex-heads of the department and faculty members namely Prof. Zanwar, Dr. D. S. Supe, Prof. J. G. Chavhan, Dr V. R. Ghurde, Prof. V. G. Bhamburkar, Prof. Khatif, Prof L. N. Gawande, Principal Dr. Burghate, Prof. M. Ali, Principal Dr. N.G. Belsare, Principal Dr. Achyut Deshpande, Prof Kharche Prof. Sushma Patil, Prof Rajani Ingole, Shri Sureshrao Kadam, Shri Wamanrao Mankar Shri Khade and Shri Sardar were honoured by offering a memento and a flower. Later there was an open discussion in which the ex principals, ex-heads of the department, faculty members, non-teaching staff and alumni have shared their memories. Specially, alumni enjoyed sharing their memories and impressions about the department.



The department has gratefully recall, appreciate and expressed the pioneering contribution of all ex-faculty members and non-teaching staff for their contribution towards achieving excellence and glory by the department. The day of celebration ends with lot of notes of congratulation and good wishes to the department for the next quarter century.

Department of Zoology

Inauguration of Zoological society

On the occasion of successful completion of 25 years of P.G department of Zoology arranged Inaugural function of Zoological Society 2018-19 and Wildlife Week 2018 as a part of Silver Jubilee Year celebration was arranged on 8th Oct. 2018. Chairperson of this programme was Dr. V. G. Thakare. Programme was inaugurated by the hands of



Mr. Ashok Kavitkar, ACF, Forest Department, Amravati and Chief guest was Prof. Dr. R.R. Dhande, Former Head, P. G. Department of Zoology, SGBAU, Amravati. Dr. N. V. Bhatkar, and Dr. J. D. Dhote, Teachers Incharge of Silver Jubilee celebration, Mrs. J. A. Makeswar, Dr. S. D. Wagh, Dr. G. S. Tekade were also present on the occasion. The 25 years report of activities done by Zoological society was presented and the students were felicitated who received their Ph. D. and merit students in UG and PG exams.

Alumni Meet of P.G. students

On Occasion of Silver Jubilee of P.G. course the Department arranged Alumni meet and Students from first batch who had acquired notable positions in society gathered and expressed their emotions and views about the Department.

Welcome ceremony for M.Sc. Part I students was arranged on 6th Sept. 2018 by M.Sc. Part II. During this programme, students of M. Sc. Part –I introduced themselves and spoke about their hobbies and interests. President of this programme Dr. Mrs. N. V. Bhatkar, explained the importance of education and co-curricular activities in life during her speech. During this programme students performed various activities.

Tiger day celebration 30 July 2018

Tiger Day was celebrated in the Department on 30th July 2018. Dr. N. V. Bhatkar HOD, chaired the programme and Dr. J. D. Dhote was Incharge. Students of M.Sc. and B.Sc. attended the programme. On this occasion of Tiger day, short films on Tiger projects and Ecosystem conservation were shown to the students.



Wildlife Week was celebrated during 2nd to 8th Oct. 2018 and a seminar competition was held on the theme 'Big cats-predators under threat' on 1st Oct 2018. Dr. R. C. Maggirwar, and Dr. S. P. Ingole were the judges for the programme whereas Dr. N. V. Bhatkar, chaired this programme. 15 students from UG and PG sections participated in this programme in which Mr. Prathamesh Tiwari and Mr. Mohit Kale received the first prize whereas Ms. Pooja Warhade and Ms. Vaishnavi Kuralkar received the second prize.



Eco-tourism and Wildlife Photography Course

Eco-tourism and Wildlife Photography course organized a Bird watching programme at Chhatra lake on 30th December 2018. 22 students participated in bird watching and photography training with Dr. J. D. Dhote and Mr. Prathamesh Tiwari.

NSS Activity



Swachh Bharat Abhiyan was celebrated from first week of August 2018 and September 2018 by cleaning college campus at the hands of all NSS volunteers. On the occasion of Gandhi Jayanti, 2nd October 2018, portrait of Mahatma Gandhi was garlanded by the Principal and staff of the college. The campus was cleaned by the students and oath of cleanliness was given to all the students. Essay competition was also conducted on Gandhian thoughts followed by cleaning drive and street play at Amravati railway station. On 26th November 2018, Constitution day was celebrated at the hands of

Computer Science were selected by Wipro Technologies Pvt. Ltd. Pune during the campus placement drive organized at Vidyabharati Mahavidyalaya, Amravati.

Mr. Prem Makwana and Ku. Sheetal Wahane of B.Sc. Computer Science & Ku. Dhanashri Kashikar of BCA have been selected and placed at Cognizant Technologies, Pune & ICICI campus during placement drives.

Mukund Fiske , Neeraj Dwivedi, Urvashi Joshi, Sneha Rathod , Raksha Mishra and Maseera Naqvi were selected for SGBAU university level Avishkar festival.



Mr. Prathamesh Tiwari and Mr. Mohit Kale received the first prize whereas Ms. Pooja Warhade and Ms. Vaishnavi Kuralkar received the second prize in seminar competition in Zoology.

Geological Poster presentation in which Ist prize was won by Neha Bansod and IInd prize by the Group of four students Rohit M. More, Rajani P. Makar, Komal N. Kadu and Snehal A. Ikhar. First prize in Geological Model Presentation bagged by Dnyaneshwari S. Fendar.

Sports Achievements

Ganraj Gorakhnath Mane participated in Basketball in 22nd Maharashtra State Inter University Sports Meet Krida Mahotsav-2018, at University of Mumbai.

Varun Choudhari secured 3rd place in Swimming at All India Inter University Tournaments, held at Jain University, Bangalore.

Poonam Ramesh Sadaphale participated in Handball at West Zone Inter University Tournament, Pune.

Brijesh Suresh Rathod secured 3rd place in Softball at All India Inter University Tournaments, at Nanded.

Vaishnavi Thakare, Shashank Santosh Rukhane and Tanish Arvind Bodhankar participated in Table Tennis at West Zone Inter University Tournaments, at Nanded.

Saurabh Kalmegh and Shreya Mahesh Kolhe participated in Ball Badminton at All India Inter University Tournaments, held at Vijaywada.

Sukhada Pradip Deshmukh and Sampada Pradip Deshmukh participated in Basket ball at West Zone Inter University Tournaments, Gwalior and 22nd Maharashtra State Inter University Sports Meet Krida Mahotsav-2018, Mumbai.

Saurabh Kalmegh participated in Handball at West Zone Inter University, at Solapur University.

Superannuation of the Staff



Sh. Ashok Mohod, laboratory attendant of Botany department retired on 31st July 2018 after serving a long period of 38 years in this college.



Dr. R. M. Kedar, Associate Professor from the Department of Chemistry retired on 31st August 2018 after successfully serving in the institution for 36 long years. He was a popular teacher of chemistry. He was engaged in research activities and also worked as a coordinator of post graduate department of chemistry.



Sh N. R. Bondre, mathematics teachers from junior college retired on 31st October 2018. He served in various junior colleges run by Shri Shivaji Education Society and retired after serving 32 years. He was a popular teacher amongst the students. He also served as a supervisor of the junior college and was awarded with Best Teacher award by the college.

Upcoming Events

- Year 2019 will be celebrated as Golden Jubilee year of the College.
- National Science Day
- Celebration of College Day-Annual Social Gathering
- First Degree Distribution Ceremony

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January- June 2019



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
IQAC NEWSLETTER



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From the Desk of the Editor



It gives me immense pleasure to pronounce that publishing an IQAC Newsletter biannually has been one of our best practices since 2014. However, it overwhelms us to publish a special issue of this newsletter as part of our Golden Jubilee Celebrations this year.

I hope, this Golden Jubilee Special Issue will serve as a beacon light for the future stake holders of this college to follow their journey towards excellence.

I am sincerely grateful to our Principal Dr. V. G. Thakare for his constant inspiration and support to make this special issue of the IQAC Newsletter to fruition. I also thank our IQAC team and my colleagues for their everlasting cooperation.

Thankyou.

Prof. H. S. Lunge
 Chief Editor & IQAC Coordinator

From the Desk of the Principal

I must mention that this journey of becoming a premier college in this region was not so easy. The sincere and dedicated efforts of our former principals, teachers and non-teaching staff who together strived hard towards achieving excellence are worth mentioning here.



Dr. V. G. Thakare

It is my privilege, together with my staff and the students, and with the benevolence of our parent management, to publish the special issue of IQAC Newsletter on the occasion of the Golden Jubilee year of our esteemed institution. We feel proud to declare that it has indeed grown from a seedling into a huge tree that has not only sheltered thousands of youngsters but also moulded them into great personalities, now scattered across the globe. I hope this systematic and meticulous exercise will provide for us an opportunity to look back into the past as well as to march forward in order to work efficiently for the promotion of scientific temper and achieving excellence in providing quality education to the youngsters entrusted unto our care. I feel delighted to proclaim that I have invested probably the largest span of around 40 years in this college since my joining here as a lecturer in Chemistry in 1981. After 26 years of teaching, I was appointed as the Principal in February-2007 and thus could have a meaningful experience of 14 years of administration. It's a matter of special mention that I am the principal who have been nominated as a College Representative consecutively for three terms from June 2009 on the Executive Committee of Shri Shivaji Education Society, Amravati. I am thankful to our management for showing faith in my capabilities and giving me this opportunity. I took charge of the Principal of this college in February 2007 and endeavoured to nurture the culture of working together with all the stakeholders for its all-inclusive development. It's a matter of great pride and reverence to me that today this college is conferred with the 'A' Grade by NAAC and has also earned a special reputation as a "College with Potential for Excellence" by the UGC,- in the first and second phase continuously. The DST has sanctioned us the grant for 'FIST' program to upgrade the PG and research facilities. To add more, the college is identified as the 'Lead College' by Sant Gadge Baba Amravati University, Amravati.

Our College has to its credit innumerable achievements not only in the field of academics but also in co-curricular, cultural and sports events. Our students have been toppers in a number of events at the University, State and National levels. The college has kept up its pace of progress by adding new courses, upgrading teaching-learning methodologies through ICT, conducting extension activities and has shown a remarkable potential for growth in research through operating projects, publishing papers in reputed journals and presenting papers in state, national and international academic events. To inculcate the scientific temper amongst the students, the college has availed the facilities and opportunities through organising the District level 'Avishkar' Competitions and 'National Science Day' every year.

Many of our students do appear in the university merit list every year. They have obtained the grants under INSPIRE Scheme of DST and research projects too. Moreover, they have achieved great success and brought laurels to the college in various academic competitions, sports and cultural events. In 2020, our college has received a Championship Trophy for excelling in the maximum number of events at the University Youth Festival and our college Drama Team has bagged the prestigious Purushottam Karandak at the divisional level. Every year, our students are University colour-holders at the various sports events. Our college NCC cadets have been selected for Republic Day Parade, TSC, Delhi and have been invited to participate in Youth Exchange Programs abroad.

The college has expanded infrastructural facilities to keep pace with the ever-growing number of students and programmes. Over this decade, the college has developed adequate physical infrastructure to run various academic programmes efficiently in an area of 11.85 acres. Through the UGC XI-plan, the construction of women's hostel and the Basketball court with the installation of flood lights is completed. Many other sports facilities are made available on a large area of 5 acres behind the library building. The construction of the new spacious library building is also in progress.

The college has received Basic Sciences grants from UGC apart from the regular development grant through which the laboratories have been well-equipped. The UGC has also sanctioned us the grant for the development of 'Central Instrumentation Cell (CIC)' with advanced equipments for research purpose. Many researchers in this region have taken advantage of CIC. The new courses like M.Sc. in Bioinformatics and Environmental Science, B.C.A. and B. VoC in Forensic Science have been started during this decade. To enrich the curriculum the college has initiated the add-on and value-added certificate courses in Yoga and Meditation, English Communication Skills, English Vocabulary Building, Cyber Security, Statistical Methods, etc.

With a view to inculcate scientific temperament among the students and the society in general, the college has organised scholarly lectures of the eminent scientists and astronomers like Dr. Raghunath Mashelkar, Dr. Vijay Bhatkar, Dr. Jayanath Narlikar, and Dr. Anil Kakodkar. The

Science and Innovation Activity Centre (SIAC) of our Society funded by the Rajiv Gandhi Science and Technology Commission, Government of Maharashtra, is managed by this college. Our teachers along with the students have been involved in popularising the concepts of basic science through the models established in this centre. In addition to this, the college has organised many National and International conferences on various subjects and also on Academic and Administrative Audit (AAA) in collaboration with NAAC, Bangalore. Our college has also organised workshops for the quality initiatives as suggested by NAAC for the colleges run by our parent society.

I must mention that this journey of becoming a premier college in this region was not so easy. The sincere and dedicated efforts of our former principals, teachers and non-teaching staff who together strived hard towards achieving excellence are worth mentioning here. This is why we made it a point to learn from our former principals their glorious experiences and the substantial contribution towards the development of this auspicious institution and include it in the following section of this newsletter.

I am grateful to our parent management for giving me an opportunity to govern this eminent institution. I also express my sincere thanks towards my teacher colleagues, non-teaching staff and the students for their cooperation from time to time. My joys know no bounds to express that this college is celebrating the Golden Jubilee Year under my regime as the Principal.

May this august institute have even more magnificent years ahead.

Thank you.

A Brief Overview of the college and the Parent Society

With a noble aim of providing higher education to the students of the neglected and the downtrodden and uplifting them to bring into the esteemed intellectual class of the society, Dr. Panjabrao alias Bhausaheb Deshmukh established the Shri Shivaji Education Society, Amravati in 1932. Dr. Panjabrao Deshmukh, a great educationist, philanthropist and a leader of the peasants; who was also the First Agriculture Minister of Independent India, and the Member of the "Constitution Draft Committee" for the Govt. of India soon made this society a premier society imparting quality education to all in the Vidarbha region.

It was Bhausaheb who started the first college of Shri Shivaji Education Society at Amravati. Established in 1946, Shri Shivaji College, Amravati was initially a cluster of five colleges imparting education in five streams- Science, Arts, Commerce, Law and Agriculture. With the immensely growing importance of science in human life, the science stream was separated from this college in 1969 resulting in the establishment of Shri Shivaji Science College, Amravati. This was just a beginning of the great journey towards scientific, logical and intellectual enlightenment.

Since its inception, the parent management has been striving hard for the overall development of this college. The visionary zeal and significant contribution of the earlier presidents of the society- Late Hon'ble Babasaheb

Gharpalkar, Late Hon'ble Raosaheb Ingole, Late Hon'ble Dadasaheb Kalmegh, Late Hon'ble Vasantaoji Dhotre, and Hon'ble Adv. Arunbhau Shelke is worth mentioning here. The present President, Hon'ble Shri Harshvardhanji P. Deshmukh is an experienced and insightful administrator who is keen to introduce a perspective plan at the society level to deal with the immanent changes in the education sector because of the New Education Policy- 2020 and has been providing a great helping hand for the overall development of this college.

The first principal of the independent science college

Late P.Z. Deshmukh

(01.01.1969 - 20.11.1969)



The first Principal of this new college was Mr. P. Z. Deshmukh who took reign of the new college on 01.01.1969. He was equally popular among the college staff and the students. Unfortunately, he met with an untimely death that shocked everyone. To pay homage to this scholarly administrator, the staff and the students of that time decided to cancel the Annual Social Gathering functions of the year and diverted the fund allocated for the same on the Gold Medals to be conferred upon the B.Sc. Topper and the H.S.S.C. topper of this college every year since then. Here are the retrospections of our former principals illustrating the enthralling journey of this sacred institution towards eminence and grandeur.

C. K. Zanwar

(21.11.69 - 30.07.1970)



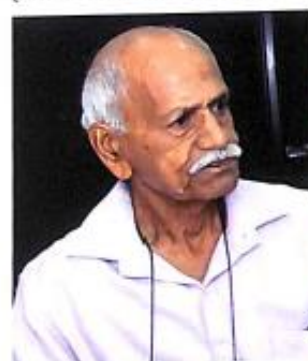
I feel honoured and happy today to come across a huge development of the college where I have served for many years. I believe, this college will continue to flourish in future too.

After the untimely death of Mr. P.Z. Deshmukh, I became the Officiating Principal of this college from 21.11.69 to 30.07.1970 till Dr. V. R. Ghurde's official full-time appointment as the new head of the institution. During this short span of about 08 months, I tried my best to monitor the academic activities so that the students get the best possible education. I received great cooperation from our management and my teacher colleagues to run this institution smoothly and efficiently. I am thankful to them all. I feel honoured and happy today to come across a huge development of the college where I have served for many years.

I believe, this college will continue to flourish in future too.

Dr. V.R. Ghurde

(01.08.1970 - 30.06.1996)



One more innovative activity worth mentioning was the formation of the first Nature Club in Amravati in affiliation with the WWF and BNHS. This was the pioneering step towards Nature-conservation by the college.

It gives me a feeling of pride and privilege that I have invested the largest span of about 26 years as the principal of this college from 01.08.1970 to 30.06.1996. During the formative years of the college, I tried to infuse the spirit of discipline and dedication among the teachers, students and the non-teaching staff of the college. I also kept an innate eye on the regular and effective conduction of lectures, practicals, and co-curricular activities. Some quality improvements were brought in and a strong foundation in academic and administrative spheres was built to let this institution emerge as a center of excellence in the years to come.

1979 proved a crucial year in the overall development of the college when Electronics was introduced as a new granted vocational subject in the Junior College stream. The college began to academically compete with some other prestigious colleges of the region. The First Board Merit from the college came out in 1980 and this number grew to eight in 1983. The college had the unprecedented honour of having the State Topper in the HSSC Examination- 1983. Many students got selected in reputed institutes like I.I.T., BITS, V.J.T.I., etc. All these students had opted Electronics as their optional subject. This was also the result of providing special coaching to the potential toppers and also of the innovative Teacher-Guardian Scheme launched by the college. This paved the way for our glorious tradition of Board Merits in the years to come. Due to teachers' efforts in imparting quality education,

students started feeling affinity towards the college. All this resulted in enhancing the college status to a great extent.

A similar trend was followed in the senior college. Many new and beneficial subjects like Microbiology (1981), Geology (1984), Statistics (1987), P.G. in Zoology (1993), and Physics (1993) were introduced in the college. The admissions, appointments and audit were strictly regulated as a part of effective quality enhancement of the college. Moreover, the college set a strict pattern of successfully conducting copy-free university examinations and became the role model for other colleges in the entire university.

As quality higher education is based upon the trinity-teaching, research and extension, the college staff took great efforts to imbibe research culture among the students. Creative teaching-learning was emphasized for effective outcome. The research center in Mycology was established which was recognized by the then Nagpur University. With the establishment of Amravati University, new M.Sc. courses were introduced. The college got recognition for research laboratories in many subjects like Botany, Zoology and Physics.

Research culture got developed during this period. Two students of the centre obtained Ph.D. degree under my guidance. The college teachers started publishing research papers and articles in reputed journals and magazines that included popular articles in 'Rose Annual'- the yearly publication of Indian Rose Federation. Such was the impact of this research tradition that when I retired, there were fourteen Ph.D. degree holders from his college.

During these years, the college teachers became members of the prestigious associations like 'Mycology & Plant Pathology Association' and 'Mushroom Science Society'. In addition to this, various welfare-oriented programmes were also conducted. Mushroom Cultivation Training Programme was organized. I visited RRI, Sanatnagar at Srinagar for studying the methodologies for the better yield of mushrooms. The awareness about the nutritional value and the benefits of mushroom as a human food was created among many families. Polythene bags duly filled with boiled straw and seeded with spawn were distributed to different families. Regular visits and further operations led to cropping of oyster mushroom by these families. Record of bags and the visits were managed by the college. Rose cultivation awareness programmes were also conducted by the club.

The college started organizing educational and excursion tours, industrial visits for the students even though such activities were not a mandatory part of the curriculum at that time. The college also organized a grand 'Electronic Models Exhibition' for the school and college students in 1981-82 and also established 'Vigyan Manch' in the college to inculcate science culture among the students. It was an Honor for the college to have 'Vigyan Manch' as the Amravati District Centre of the State Institute of Science Education of Maharashtra State. This grand exhibition was inaugurated by the then Minister of Maharashtra state Hon'ble Shri. Shivraj Patil. Some other notable

personalities who visited the college during this time included a renowned Marathi Nature-Poet Shri. N.D. Mahanor.

The first computer for the college was purchased in 1987 followed by the establishment of a spacious computer laboratory. To be self-reliant in electronic instruments, the college undertook the project of assembling the necessary components and made instruments for the Physics laboratory. One more innovative activity worth mentioning was the formation of the first Nature Club in Amravati in affiliation with the WWF and BNHS. This was the pioneering step towards Nature-conservation by the college. This Nature Club organized the first tour of students to Gujrat and also organized WWF camps in the forests of Bhamragarh and Nagzira. The club also made WWF films available for students on projector through the British Council, Mumbai. To add more, the Garden Club was formed in the college. This club cultivated almost all the available varieties of seasonal flora and fauna in the college garden. A poly-house was also built along with the cultivation of teak-wood plantation in the available space that reaped harvest in the times to come. Painstaking efforts were also taken for Mushroom cultivation and distribution through a center established in the college.

The Silver Jubilee of the college was celebrated in quite a simple way as most of the fund was utilized for developmental purpose except organizing Living Planet Films Exhibition.

Along with the academics, proper attention was given to develop the college infrastructure in the limited financial resources. During 1990-95, the college received UGC grants for the construction of library building and classrooms.

Various sports activities were promoted in the college from time to time. The college provided the required sports-kits to students and also made the Indoor Badminton Hall available to students for the whole year. As a result, the college bagged the Nagpur University Badminton Championship in the year 1991.

The college also developed and strengthen its NSS unit during this period. The college NSS Officer was made the district In-Charge of the University NSS unit. District-level NSS camps were organized by the college- one at Das Tekadi, Mozari where a large-scale tree plantation was made and the other at Tongalabad, Daryapur where one full-time Homeo Doctor was made available for the free check-up and treatment of the villagers. During the second camp, the NSS volunteers prepared a road from village Tongalabad to Daryapur. Eminent persons like the then District Collector Mr. Dasgupta and Mr. R. S. Gawai visited the camp. Mr. Dasgupta sanctioned a new road from Daryapur to Akola at the demand of the villagers and the NSS volunteers during this visit. To add more, His Excellency Mr. Ali, the Hon'ble Governor of Maharashtra state had visited the NSS camp organized at Melghat. During these days, the NSS unit of the college organized an ideal residential camp which served as a model camp for other colleges in the university for many years to come.

The college NCC unit also flourished during the period. The college NCC Officer was given the additional responsibility as a Commanding Officer of Amravati district unit of NCC. The NCC cadets were highly benefitted by participating in special camps and programmes conducted by the college NCC unit.

I am thankful to our management my colleagues for their cooperation and support during my long tenure as a Principal. I wish this august institution even more glorious years ahead.

Dr. Urmi Shah

(1.7.1996 – 30.6.1998)



I thank our parent body, Shri Shivaji Science College, Amravati for giving me this opportunity and hope that in future the college will achieve a great success

My journey started as a lecturer in science faculty in the department of Botany; under the principal ship of late Mr. N. C. Deshmukh, in the year 1960. However the faculty as established as independent in the year 1969. With the help of my colleagues, my office staff and the brilliant students, the college becomes an outstanding institution.

I took over as the officiating principal in the year 1996. My basic aim was to make the college academically sound and also increase the extracurricular activities. We sent a proposal to the university to start the subject environmental science in the college at UG level. The university gave sanction to the proposal. We also sent a proposal to start M.Sc. in the subject chemistry during 1997-98 and the university approved it. I attended the interface meeting with the UGC at New Delhi. This meeting was mainly to procure grant for the construction of premises for non residential foreign students. I was also successful in procuring grants from the UGC as the development grant for three years, remedial coaching grant and PG development grant.

This is what I could contribute during my short tenure which ended on 30th June 1998. I thank our parent body, Shri Shivaji Science College, Amravati for giving me this opportunity and hope that in future the college will achieve a great success.

V. G. Bhamburkar

(01.07.1998 - 31.01.2007)



The college team worked hard continuously for two years to accomplish the requisite norms laid down by NAAC. On account of these comprehensive efforts, Shri Shivaji Science College, Amravati emerged as a pioneering institute to have first accredited with NAAC in the entire Amravati University and that too with 'Four-Star' rating in 2001.

I took the reign of this prestigious college in 1998. Having had the experience as a professor in Govt. Vidarbha Mahavidyalaya, Amravati for a long period, I immediately initiated many developmental projects in the college.

In 1999, the college initiated the process of getting accredited by NAAC. Necessary quality improvements at academic, administrative and infrastructural level were made to achieve higher grade by NAAC. The college team worked hard continuously for two years to accomplish the requisite norms laid down by NAAC. On account of these comprehensive efforts, Shri Shivaji Science College, Amravati emerged as a pioneering institute to have first accredited with NAAC in the entire Amravati University and that too with 'Four-Star' rating in 2001. It's a matter of fulfillment and pride that we were the second college in the Vidarbha region to have acquired this status. This college thus became a 'role model' for many other colleges in the state of Maharashtra to carry out NAAC accreditation with flying colours.

With the financial assistance from the U.G.C., the State Government and also from the management of Shri Shivaji Education Society, the major infrastructural development of the college- like building the classrooms, well equipped laboratories, Main Auditorium, A.V. Theatre was carried out. Some classrooms and the laboratories which were before situated in the adjacent Arts College building were shifted into this college and the dispersed departments were clustered into homogeneous entities. The beautification of campus was carried out through systematic varied plantation and lush-green lawn transforming it into a 'Green Campus'.

During this period the P.G. departments in the subjects like- Chemistry (1998), Computer Software (2001-2002) were started. The laboratories were restructured and made well-equipped. Moreover, new U.G. and P.G. courses were introduced into the college. These include Environmental

Science, Biotechnology and Bioinformatics. The research activities were promoted at length. Till 2007, the college witnessed a significant increase in the number of Ph.D. degree holders.

To add more, the college started Career Oriented Programmes (COPs) in the departments Botany, Microbiology and Chemistry. These programmes helped the students in refining their subject knowledge and undertake specialized study or research in their future career.

When the government started conducting CET (Career Entrance Test) for admissions to professional courses in Medical and Engineering streams, this was the first college in Amravati region to provide special coaching for this examination. A huge number of students of this area could come out with flying colours in this examination on account of this special coaching given to them by the dedicated teachers of this institute.

The Guardian Teacher Scheme which had proved a stunning success in the Junior college was initiated in the Senior College also. Along with this scheme, a novel Feedback System was implemented in which the evaluation of the Principal and the teachers was made by the college students. It must be mentioned that, this system was highly appreciated by NAAC.

Some major events organized during this period included 'Four-Day Science Exhibition for School Children' in the year 2004. This innovative activity aiming at propagating scientific awareness received a huge response from schools and junior colleges all over the region. It was the new concept that helped imbibe a scientific spirit among the school and college students to a great extent. Such an event was never organized at the University level before.

Similarly, a proper attention was paid towards co-curricular and extra-curricular activities too. The NCC and the NSS units and the Sports department of the college were flourished during this time. Four students had got selected for the Republic Day Parade at Rajpath, Delhi from the N.C.C. unit this college.

To add glory to the institution, the teachers of this college bagged prestigious awards like - 'National Teacher Award' (2006-07), State Teacher Award (2000-01) and Maharashtra State Savitribai Phule Best Teacher Award (2012-13).

Thus, a proper work culture and team work among the teaching and non-teaching staff of the college was flourished during this period. When I visit this college today, I become pleased to experience the same work culture. I am sure, everyone working with this institution will take it to even greater heights in future.

I wish you all a spectacular success ahead.

Memorable Milestones

The college is publishing biannual Newsletter since 2014. We feel proud and happy to share few memorable events which were not covered in the past volumes of News Letters.



Dr K. G. Deshmukh, Vice-Chancellor Amravati University and Shri Vasanraoji Dhotre, President of Shri Shivaji Education Society



Dr. Arun Nigavekar, UGC Chairman, visited the conference

First National Conference on "Recent Trends in Composites Orgd. by Dept of Physics (2001)



Dr. Arun Nigavekar, UGC Chairman, visited the conference



Dr. C. Rajshekhar, Director, NAAC Bangalore along with Dr. Sudhir Patil, Vice Chancellor of S.G.B. Amravati University visited the college.



NAAC Peer Team Chairman handed over the report (First cycle of Accreditation - 2001)



IQAC members with Peer Team members during PT visit of second cycle (2008)



Prin. Dr. V. G. Thakare with Peer Team members during PT visit of Third Cycle Accreditation. (2015)

Students Interaction with Eminent Scientists

Padmavibhushan Hon'ble Dr. Raghunath Mashelkar



Dr. Raghunath Mashelkar addressing the gathering of students and faculty of the college on 31st January, 2012

Padmabhushan Hon'ble Dr. Vijay Bhatkar



Dr. Vijay Bhatkar addressing the gathering of students and faculty of the college on 31st January, 2012

Padmavibhushan Hon'ble Dr. Jayant Naralikar



Dr. Jayant Naralikar addressing the gathering of students and faculty of the college on 12th January, 2013

1st Degree-Certificates

Distribution Ceremony-2019

The First Degree-Certificates Distribution Ceremony for the students who passed out in the academic year 2017-18, was held on 1st March 2019 at the Sir C. V. Raman Auditorium of the College. Dr. Sudhir N. Patil, former Vice-Chancellor of SGBAU, Amravati was the chief guest of the function. Hon'ble Shri Harshvardhanji P. Deshmukh, President, Shri Shivaji Education Society, Amravati, presided over the function. Adv. A. U. Thuse, the executive council member of the parent management was also present on this occasion.



In his introductory speech, Dr. Vijay G. Thakare, Principal of the college, stated the objectives and importance of the ceremony. All the Heads of the departments along with the IQAC Coordinator, Dr. H.S. Lunge were present on the dais. Initially, the degrees were distributed to the University Gold Medalists from UG and PG programmes along with the college Gold Medals. The Gold Medals were also conferred upon the students who secured highest marks in the first and the second year of the UG programs.

About 450 students from all PG, UG programs were present for the ceremony. The Chief Guest Dr. S.N. Patil congratulated all the degree holders and urged the students to acquire knowledge of the other skill-based courses to excel in this competitive world and also to obtain jobs in the government and non-government organizations. In the presidential address, Shri Harshvardhanji Deshmukh encouraged the students to be well prepared to face the challenges of new technology and develop their personality in all aspects.

Along with the guests, Dr. V. B. Bhatkar, Dr. G. N. Chaudhary, Dr. S.V. Chaudhary, Dr. H. M. Deshmukh, Dr. Mrs. N.V. Bhatkar, Dr. Mrs. C. K. Ukesh, Shri V. V. Hebbar, Dr. Revati Khokale, Shri U.M. Patil, Shri. B.K. Dorkar and Dr. Kavita Watane were present on the dais. The program was conducted by Dr. Mrs. S.P. Ingole and Dr. Mrs. A. S. Burghate. The IQAC members, teachers and nonteaching staff worked jointly for the successful organization of the program.

National Symposium on Innovative Materials & Devices (NSIMD-2019) 24-25 June 2019



The National Symposium was organized by the department of Physics in collaboration with department of Physics, SGBAU, Amravati during 24-25 June 2019. In all 155 delegates, research scholars and P.G. students were registered and participated for the symposium.

The inaugural function of this two days symposium was held on 24th June, 2019, 11 am at the AV theatre of Sant Gadge Baba Amravati University Amravati. Symposium was inaugurated at the hands of renowned scientist, Hon'ble Dr. Shekhar Mande, Secretary, DSIR & Director General CSIR, New Delhi. Dr. Muralidhar Chandekar Hon'ble Vice-Chancellor of Sant Gadge Baba Amravati University, Amravati presides over the inaugural function. Prof. Dr. S.V. Moharil EX-Head PGTD, RTM Nagpur University, Nagpur, Dr. KVR Murthy President of Luminescence Society of India were the guest of honor for the inaugural function.

Dr. V.G. Thakare, Principal, Shri Shivaji Science College, Amravati Dr. T.R. Deshmukh, Registrar, S.G.B.A.U. Amravati and Dr. S.K. Omanwar, Professor and Head, Department of Physics, S.G.B.A.U. Amravati, were present on the dais on this occasion.

The inaugural session was followed by the key note address of Dr. Shekhar Mande on 'Technological developments in India' and Dr. S.V. Moharil on 'Advance Materials for the application'. Session was chaired by Dr. V.B. Sapre, Ex-Head Department of Physics, RTM University, Nagpur.



Then there were two slots of parallel sessions after lunch. In which ten invited talks were delivered by renowned researchers from all over India. One industrial talk was delivered by the representative of Lab India Pvt. Ltd. Mumbai.

Invited talks were followed by parallel poster presentation session where around 100 papers were presented.



Second day of the symposium was held at Shri Shivaji Science College, Amravati. The day was begun with an invited talk by Dr. Bhushan Dhabekar, BARC, Mumbai followed by the paper reading session in which ten papers were presented in various disciplines of material science and devices. The next session special session, named Dr. K.G. Deshmukh memorial lecture, was chaired by Shri Harshwardhanji Deshmukh, Hon'ble President of Shri Shivaji Education Society. The lecture was delivered by Dr. S.H. Pawar, senior scientist and Ex-VC of D.Y. Patil University, Pune.

After this there were two more sessions in which four invited talks were delivered by the eminent researcher. The symposium was concluded at 5.00 pm on 25th June, 2019. Principal, Dr. V.G. Thakare has chaired the function, Dr. Rajesh Jaipurkar, Pro-VC, S.G.B.A.U. Amravati was the chief guest. Dr. G.V. Patil, Dr. M.K. Khedkar, Ex-CVs, S.G.B.A.U. Amravati and Dr. F.C. Raghuvanshi, Dean, Faculty of Sciences and Technology, S.G.B.A.U. Amravati were the guests of honor. Dr. P.A. Nagpure, Organizing Secretary, NSIMD-2019 presented the overall figures and Dr. V. B. Bhatkar, Convener NSIMD-2019 who gave vote of thanks.

Two Days Workshop On Nanomaterial Synthesis



The workshop on nano-materials synthesis was organized by the department of physics in collaboration with IIT, Kharagpur, during 17th and 18th February, 2019. In all 42 students from various colleges were participated in the workshop. On the first day, the first session of the workshop started with inaugural ceremony in presence of Head and faculty of the department. The mentor for the workshop was Dr. T. Theivasanthi from Kalasalingam University, Tamilnadu. In the post lunch session Dr. T. Theivasanthi illustrated the different methods of synthesis of nanomaterials

In the third session students were engaged in the hands on training for synthesis of nano-materials such as Silver, Copper, CDS nano particles and also they prepared nanosheets of Graphene and nano cellulose by chemical



On the second day, in pre-lunch session the mentor explained characterization and fictionalization of Nano particles and their applications into the Nano-World. In the post lunch session MCQ test was conducted and top 13 students were short listed. The short listed students gave the short presentation on Nanoscience and Nanotechnology. Lastly five best students were selected by the Mentor for final round at IIT campus.

One-Day Workshop On 'NAAC: New Methodology of Assessment'

In view of the new methodology of NAAC assessment which is effective from 1st July, 2017, the management of Shri Shivaji Education Society, Amravati had decided to organize a workshop on new process of preparing AQAR and SSR for NAAC. To implement on this, a one-day workshop on the revised NAAC methodology of assessment was organized by the IQAC on 26 March, 2019 for the colleges working under the jurisdiction of our parent society. As the assessment process is critical and complex and requires e-documentation of each and every question, it is necessary for every institution to go through its every aspect in depth, so as to complete it systematically and effectively.



The inauguration session was held under the chairmanship of Hon'ble Shri Harshvardhanji Deshmukh, President, Shri. Shivaji Education Society, Amravati. Shri Dilipbabu Ingole, Treasurer and Shri. Sheshrao Khade, Secretary of the society was present on the dais. Prin. Dr. V. G. Thakare, delivered the introductory speech and Dr. N. N. Saste, former Principal, Shri Shivaji Science College, Nagpur expressed his views on the micro-level evaluation system of the revised methodology of NAAC. Dr. Mrs. S. P. Ingole compared the program and Dr. H.S. Lunge proposed the vote of thanks. In all, 46 participants including the Principals and the IQAC Coordinators of various colleges actively participated in the workshop and discussed on the problems faced / queries / doubts related to the NAAC assessment process. A fruitful deliberation was held with the resource persons.

The workshop comprised of four sessions. The first session was focused on Criteria I, II and III, which was elaborated in detail by Dr. D.W. Deshkar, IQAC member, Shri Shivaji Science college, Nagpur. A detailed discussion on Criteria IV and V was held in the second session by Dr. Ashish Raut, IQAC Coordinator, Shri Shivaji College, Akola. The criteria VI and VII were elaborated by Dr. H.S. Lunge and Dr. W.S.

Barde of this college respectively. All these sessions were compered by Dr. Pramod Padole.

The concluding open session was chaired by Prin. Dr. V. G. Thakare in which Dr. N. N. Saste playfully cleared the queries and doubts of the participants regarding the NAAC accreditation. This session was compered by Shri. Vasant Hebbar. Prin. Dr. V.G. Thakare encouraged the participants to gear up for the NAAC accreditation with zeal and optimism. The registration for this workshop was managed by Dr. Gajanan Wagh and Mrs. Gawai. Dr. Dinesh Khedkar proposed the vote of thanks.

National Statistics Day- 29 June, 2019

The Birth Anniversary of the world-famous Statistician Dr. P.C. Mahalanobis is celebrated as a National Statistics Day all over India. The department of Statistics of the college too celebrated this day in collaboration with the office of the Joint Director, Amravati Region, Directorate of Economics & Statistics, Govt. of Maharashtra on 29 June 2019. Hon'ble Vice-Chancellor Dr. Murlidhar Chandekar & Hon'ble District Collector Shri. Shailesh Naval (IAS) was the Chief Guests of this programme. Shri. Sheshrao Khade was present on this occasion as the special invitee. Principal Dr. V.G. Thakare chaired the function. Dr. S.V. Chaudhari, Head of the Statistics Department and Shri. Surendra Gavali, Joint Director, Directorate of Economics & Statistics were present on the dais. The Hon'ble District Collector talked about the importance of statistics in different segments of the Government offices. Being a young and dynamic I.A.S. officer, he shared his experiences to motivate the students and also cleared their queries with wit and humour. On this occasion, the Hon'ble Vice-Chancellor declared to start a short term course in Statistics at SGBAU Amravati to fulfill the demand of the students of this subject



Department of Computer Science Guest Lecture

An scholarly lecture of Mr. Prasad Nandurkar, C.E.O., MS EET, Germany, on the topic "Opportunities Available in Higher Education at Affordable Low-Cost in Different Foreign Countries" was organized by the department. Mr. Nandurkar shared his vehement experiences with the students of B.Sc. & BCA. He prominently guided the students on how to prepare for the entrance examinations of reputed international universities with the best world ranking and how to get admitted to top institutes in affordable fees, scholarships and minimum expenses. He insisted the students to look at Germany as a good option for higher education and job opportunities thereafter. On this occasion Dr. Hemant Deshmukh appealed the students to learn at least one foreign language to have good placement opportunities in multinational companies. He

emphasized not to make differences in the spoken languages while talking of the world as a global village. Dr. H.S. Lunge talked about the recent trends in IT & IoT Technologies. He appealed the students to grab the opportunities in this era of media & technology. Prof. Mukul Bhonde expressed his gratitude towards Mr. Prasad Nandurkar for his invaluable guidance to the students.



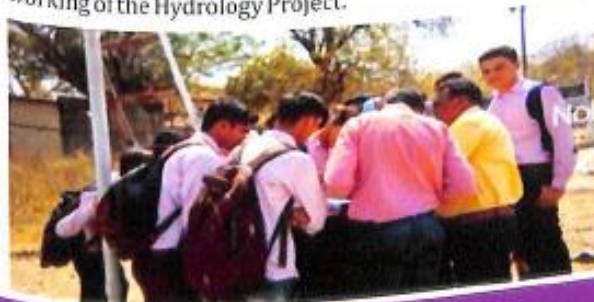
Department of Chemistry

To make the students aware about the basic concepts of Chemistry and have aptitude of knowledge to face Entrance tests in future, the department of Chemistry organized an aptitude Test in Chemistry on 7 Feb. 2019 at 3.30 pm in Room- G1. 51 students appeared for the test. The 30 min. aptitude test was thoroughly objective, comprising thirty odd questions.



Visit to State/National Laboratories for UG Students

This year, seventy six B.Sc.II (MEB) students visited the Hydrology Project under the Irrigation Department, Amravati. This visit was planned on 8 March, 2019. During this visit, students got the useful information about the different gadgets by which various parameters related to environment are measured and recorded. Here, students got the information about the Sunshine Recorder, Rain Gauge, Stevenson Screen, Anemometer, Pan Evaporator, Wind Vane etc. Students also got acquainted with the working of the Hydrology Project.



Visit to Regional Forensic Laboratory, Amravati was worked out on 31 January, 2019. PG Students of the college were selected for the visit. During this Visit, Dy. Director of RFL, Amravati Dr. Vijay Thakare briefed the students through power point presentation about the different departments of RFL and explained their way of working. This department is under the Home Department of Govt. of Maharashtra. In RFL, Amravati different aspects related with crime investigation are examined and based on this report the police get the clues related to crime. For these two visits, students were accompanied by Dr. P.R. Padole, Dr. N.R. Thakare, Prof. N.H. Bansod and Mr. Amol Thakare of the department.

Review of Paper Writing

This activity was organized for M.Sc. I and II students on 20 February, 2019. Total forty two students participated in this activity. This activity began with the seminar of Mr. Amol Thakare. His presentation included general idea about how to write the title, abstract, keywords, introduction, experimental procedure, results, discussion, conclusion and references. He also explained about the citation, impact factor, h-index, i-index, etc. He informed about various UGC approved journals from different research areas of chemistry. The students' presentations were prepared under supervision of convener of the committee. The students learnt about certain skills to write the research papers for journals. Hard copy of research sample papers related to their project work was provided to the students during the activity.

Resources from PG to UG students

PG students have formed two demonstration groups each of three students Group I, demonstrated the uncommon chemistry practical on the topic Chromatography for B.Sc. II PCM Sem IV students and Group II for B.Sc. II BIO Sem IV Students. The members involved in these groups are Ms. Urvashi Joshi, Mr. Anshul Yadav and Ms. Sneha Rathod all from M.Sc. II Chemistry. They have demonstrated the Paper Chromatography experiments on February 22, 2019. The demonstrator has explained the basic principles involved in the chromatography followed by the hands-on training. All the U.G. Students were actively involved in this part and in real sense they learnt the subject through experiment

Inter-class Chem -Quiz- 2019

To select the team for intercollegiate quiz competition, the inter-class quiz competition for B.Sc. I (offering chemistry) was organized on 20 February, 2019 at 11.30 am in AV Theatre of the college. The three teams were selected for the oral presentation from the first six highest scorers in the Aptitude test in chemistry. The three teams were Electron, Proton and Neutron respectively. There were three rounds for the Chem -quiz, MCQ, Buzzer round and rapid fire. At the end of three rounds neutron team won the competition. Its endeavour and dedication of the student, our selected team won successive second time intercollegiate quiz competition.



Guest Lecture

Chemical Society was inaugurated on 30 August 2018 at the hands of Dr. B. N. Berad, Professor of Chemistry, RTNM Nagpur. Principal Dr. V. G. Thakare presided over the function. On this occasion activity of tree plantation was arranged by the students. All the students of Chemistry from different P.G. centers of Amravati University were present for this function. In this session, the special guest lecture series (Late Dr. Nilay V. Bhamburkar lecture series) was organized on 18th February 2019. The speaker for the session were Dr. M. G. Dhonde, Mohta Science College, Nagpur, Dr. Dhondge, Porwal College, Kamptee and Dr. Ratnakar Lanjewar from Dharampeth M P Deo Memorial College, Nagpur.



Department of Environmental Science Field Visits

On 24 January, 2019, the Department of Environmental Science organized a field-visit to Wadali Lake to study Pond Ecosystem. This Visit was organized for the B.Sc. I & M.Sc. II students. 40 students from B.Sc. I and 22 students from M.Sc. II visited the lake along with the three faculty members who explained the students about Pond Ecosystem. M.Sc. II year students collected the pond water samples for water quality analysis.



The department also organized a visit to the Sewage Treatment Plant in Amravati on 12 February, 2019 in which 33 students from B.Sc. II and 22 students from M.Sc. II along with 3 faculty members participated.



One Day Workshop on Introduction to GIS and Remote Sensing

The Department of Environmental Science, in collaboration with the Department of Geology & Geo-tech Institute, Aurangabad organized a One-Day Workshop on 30 January, 2019. The workshop comprised of two sessions. The First Session was introduction to basics in Q-GIS and the Second session was hands-on training and practice on computer systems.



ISRO Workshop

The department has an MOU with the prestigious organization- ISRO regarding participation and conduction of workshops on innovative topics. This year, our P.G. students participated in the 5-Day On-line Workshop on Rain Water Harvesting conducted by ISRO.

World Women's Day

On the World Women's Day - 8 March, 2019, a workshop was organized by the department in collaboration with 'College Women Empowerment Cell'. Dr. Pranjal Sharma conducted this workshop entitled "Right Decision at Right Time". The P.G. Students along with teachers also participated in the 'Beti Bachao Beti Padhao' Rally on this day.



Regular Noise & Air Pollution Monitoring:

This activity was conducted for creating awareness regarding the noise and air pollution, its abatement and the need of public participation for tackling noise pollution. The readings are also provided to AMC, Amravati for the preparation of their 'Yearly Report'.

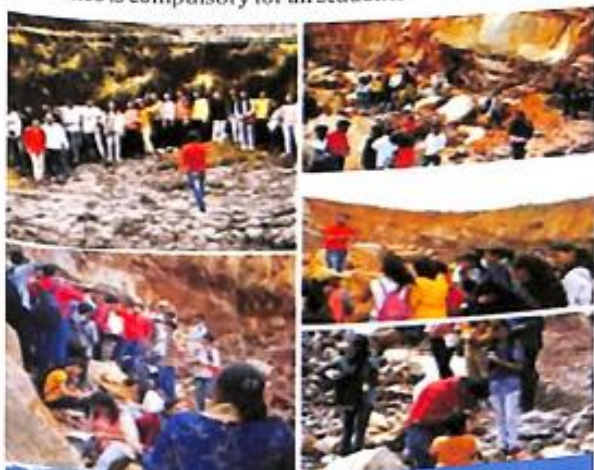
MOU / Collaboration

The department signed an MOU with 'Geotech GIS Training Institute and Consultancy Services, Aurangabad' on 23 January, 2019. The earlier MOU with the Amravati Municipal Corporation was also renewed on 24 January, 2019.

Department of Geology

Invigorating guest lectures by Prof. S. A. Salway, former Head of the Department of Geology of this college were organized on 13 and 14 Sept. 2019.

One Day Geological Field Excursion to "Belkher (Paratwada) and Wazzar Dam (Malhrara) of Amravati district, Maharashtra of B.Sc.I (Sem-I) students was organized on 27 September, 2019. In all, 35 students along with the 3 teachers and 1 non-teaching staff participated in the excursion. This geological tour is a part of the syllabus and hence is compulsory for all students.



Department of Languages

The Wall Magazine of the department- 'Akshar Parimal' was inaugurated on 05 September, 2019 at the hands of Mr. Sudhir Mahajan, Principal, Podar International School, Amravati. The Students' Editorial Board for the Wall magazine was also formed. Many students came forward to

write poems and articles in the Marathi, Hindi and English languages for the magazine.

The department also conducted an add-on course- "Certificate Course in English Communication Skills" for our college students.



Department of Physics

National Science Day

The department celebrated National Science Day on 28th February, 2019. At this juncture, the quiz competition was organized for PG students. In all 37 students participated in the quiz.

Educational Tour



The educational tour for PG students was organized during 26th to 28th January, 2019. The students and faculty members were visited to various educational and research institutes at Indore (MP) during this tour.

Students spent a complete day at UGC-DAE Consortium for Scientific Research, Indore. During this visit the faculty member and students had an interaction with the Director of UGC-DAE Consortium. He briefed about the research centre and facilities available at the centre.

After introduction, all students were divided in three groups and were headed by one staff member of respective research lab who helped the students to understand the research work going on in the respective laboratory.

Department of Statistics

Guest Lecture

Mr. Tushar Ranade, an alumnus of the department (1999-2002 batch) delivered a guest lecture organized by the department for the B.Sc. I & III students on 08.02.2019. Mr. Tushar has been a software support specialist in an I.T. company- MDOC. He shared his success story and motivated the students to conquer over the hurdles in life. The students were highly impressed to listen to his lecture



Departments of Biotechnology & Microbiology

Guest lecture

The Department organized a guest lecture on the topic- "Spirulina" by Dr. Charde, Head, Dept. of Microbiology, Taywade College, Koradi, on 19 January, 2019.

Educational visit

An Educational Visit to Water Treatment Plant, Mardi Road, Amravati was organized by the department for the B.Sc. II students on 23 February, 2019.



Department of Zoology

As 'Economic Zoology' is a part of the Zoology curriculum, Apiculture (rearing of honey bees) has been undertaken by the department. The honey-bee rearing box has been installed in the college garden in March- 2019.



Quiz Contest

A quiz contest based on the NET/SET syllabi was organized for the P.G. students of the department on 23 March, 2019. The team consisting of Ms. Gupta and Ms. Manohare of M.Sc.II and the team consisting of Roshan Kaware of M.Sc.I and Ms. Megha Golekar of M.Sc.II won the first and second prize respectively. Dr. J. D. Dhote and Dr. G A. Wagh worked as judges for the quiz. This intellectual event was conducted by Khushal Ingale, Ms. Pratiksha Puranik, Prathamesh Tiwari, Ms. Pooja Varhade, students of M.Sc.II and Ms. Raghtate, Jagdev Iwane worked as volunteers for the successful organization of the event. Dr. N.V. Bhatkar, Head of the Department congratulated the winners of the contest and also guided the students on this occasion.



Memorandum of Understanding (MoU)

Memorandum of Understanding (MoU) was signed between the college (Department of Zoology) and the NGO- Wildlife and Environment Conservation Society (WECS), Amravati on 18 June, 2019.



NCC

Blood Donation Camp

On the Valentine's Day, blood donation camp was jointly organized by the National Cadets Corps (NCC) and NSS units of the college in which 22 cadets donated their blood. Human values like sacrifice and selflessness are imbibed in the cadets through such activities.



Candle-March Protesting Against the Pulwama Attack

A Candle-Light March and massive protest against the Pulwama terror attack was held on Saturday, 16 February, 2019 by the NCC cadets and students of the college.

The Candle-Light March started from Shri. Shivaji Science College with raising slogan against terrorism and ended at Rajkamal Square, Amravati. The NCC cadets, hundreds of students including girls gathered at Rajkamal Square in Amravati demanding a firm action on the culprits of the attack.



NSS

NSS Residential Camp-2018-19 was conducted at village Naya Akola from 30 December 2018 to 06 January 2019. It was inaugurated at the hands of Hon. Keshavrao Gawande, Executive Committee Member of Shri Shivaji Education Society and Prin. Dr. V.G. Thakare. The Sub Divisional Officer Mr. Ibrahim Choudhary, Shri. Shambhau Deshmukh, Sarpach, Naya Akola and NSS Program Officer Dr. Tushar Wankhade were present on the occasion. During the camp, Medical Check-up Camp, Swachh Bharat Abhiyan, Personality Development Workshop, Water conservation, Soil Testing Camp, Women Empowerment Program, and various cultural programs were conducted.



On the occasion of the Republic Day, 26 January, 2019, Cycle Distribution Program was organised in which 4 cycles were distributed to the poor and needy students at the hands of Prin. Dr. V.G. Thakare. A patriotic flash-mob dance was presented by the NSS students on this occasion that added glory to the event.

On 14 February, 2019, the Valentine's Day was celebrated with a social cause. "Blood Donation Camp" was organized by the NSS unit of our college in which 102 bottles of blood were collected from the students, ex-students and the staff of the college.

On 18 February, 2019, Chatrapati Shri. Shivaji Maharaj Jayanti and on 14 April, 2019 Dr. Babasaheb Ambedkar Jayanti was celebrated in the college in the presence of Prin. Dr. V.G. Thakare and all the staff members.

Placement

The Placement Committee of Shri Shivaji Science College is an initiative to provide job opportunities to the students. It plays a vital role in making the students aware of the career opportunities, emerging professional trends, events, job profiles, leadership, etc. It also organizes seminars, and

workshops through which students can develop their soft skills. The Placement committee also invites some reputed companies to organize Campus-Placement. This year, 20 students got selected in various companies through the campus placement. The placement committee also collects information of the final year students of all departments. The information regarding career opportunities for science students, companies and market needs in local, regional and national context is displayed on the notice boards.

Shivotsav-2018-19

Annual Social Gathering- "Shivotsav-2018-19" of the college was organized on 2nd and 3rd February, 2019. Prin. Dr. V. G. Thakare presided over the inaugural function. The other dignitaries on the dais were all the Heads of the Departments of Shri Shivaji Science College, Amravati and Dr. S. E. Band, Convener, College Gathering Committee. In this program students enthusiastically participated in events like Singing, Drama, Dance, Mr. and Ms. Fresher, Debate, Intramural Sports, etc. The winners were felicitated with medals and shields.

Department of Physical Education

Achievements (2019-2020)

Table tennis (Men) Team: Winner in SGBAU Inter-collegiate Tournament.

Softball (Women) Team: Winner in SGBAU Inter-collegiate Tournament.

Badminton (Women) Team: Winner in SGBAU Inter-collegiate Tournament- Zone B.

Basketball (Women) Team: Runner Up in SGBAU Inter-collegiate Tournament.

Achievement in National-Level Avishkar Competition

Mukund Fiske, a student of B.Sc. III won the 1st Prize in the discipline of Social Sciences, Humanities, Commerce and Law in the Central zone of "Anveshan Student Research Convocation" under the aegis of Association of Indian Universities, New Delhi, hosted by Kalinga University Raipur, Chattisgarh during 28-29 January, 2019; 2nd prize under the discipline of Social Sciences, Humanities, Commerce and Law in Anveshan National Student Research Convocation by the Association of Indian Universities on March 12-14, 2019 held at Gujrat University Mehsana, and also the 2nd prize in the University level Avishkar Competition- 2018-19 of Sant Gadge Baba Amravati University, Amravati.



Academic Achievements of Students

Surabhi Langare, Trapa Bundele and Krutika Manmode participated in NSD Programme on 01.03.2019 at SGBAU, Amravati.

Sumaaiya Rashid and Nilima Raut participated in the state-level seminar on 'My Health, My Responsibility: Complementary to Medicine and Health Care' organized by Shri RLT Science college, Akola, on 28 February, 2019.

Ms. Neha N Khandelwal stood Third in the order of merit in the Master of Science (Zoology) Summer-2018 examination of SGB Amravati University, Amravati.

Ms. Amita A Jawanjal stood 4th in the order of merit in the Bachelor of Science, Summer-2018 examination of SGB Amravati University, Amravati.

Ms. Ashwini C. Jamthe, Ms. Kuchita Tahsildarsinh Rajput and Ms. Tejormayee G. Rotwal of B.Sc.III qualified the IIT JAM-2019 examination in Biological Sciences.

Mr. Devvrat Kulkarni, a student of Wild Life Photography and Ecotourism course represented the Maharashtra state and stood 2nd in the "Youth Click" National-level Photography Competition organized by "Save Us" magazine at Keoladeo (Bhratpur) National Sanctuary, Rajasthan held on 18-24 February, 2019

Ms. Pooja N Varhade, M.Sc.II and Netrawati Anasane, M.Sc.I as a team stood second in the inter-collegiate quiz competition held at GVISH, Amravati on 30.01.2019.

Ms. Nishat Siddiqui, M.Sc.II bagged the third prize in the Best Seminar Competition on the theme "Genetical Diseases & Syndromes" held at Post Graduate Teaching Department of Zoology, SGB Amravati University on 8 March, 2019.

Superannuation of the Staff

Dr. S. D. Wagh, Associate Professor in Zoology, retired on 30th March, 2019 after successfully serving this institution for 20 years. She was engaged in various research activities.



Prof. V. V. Hebbar, Head of the Department of Languages retired on 30th April, 2019. He was a popular teacher of English among the students. He contributed in various activities of the college. He has worked as IQAC Member and contributed significantly in editing the IQAC News Letter. He retired from the Department of Languages as an Associate Professor in English.



Shri Deepak Deshmukh, Laboratory Attendant retired on 30th April, 2019. He served in this institution for about 38 years.



Mrs. S. V. Wankhade, Laboratory Attendant from the department of Zoology retired on 30th June, 2019. She served in this institution for about 34 long years.



Upcoming Events

- National Conference of Chemistry
- Regional Workshop on New Methodology of Assessment of colleges by NAAC
- Inauguration of Dr. Panjabrao Deshmukh Memorial Science and Innovation Activity Center
- INSPIRE Camp of DST
- Alumni Meet

Editorial Board

- Dr. W. S. Barde
- Dr. P. R. Padole
- Dr. Sangita P. Ingole
- Dr. G. A. Wagh
- Dr. D. D. Khedkar
- Dr. M. S. Gaikwad

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