



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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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 an 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-defence 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.
Bajaj 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.**



2016
INTERNATIONAL
YEAR OF PULSES

Published by Dr. V. G. Thakare, Principal & IQAC Chairman, Shri Shivaji Science College,
Shivaji Nagar, Morshi Road, Amravati 444603, Maharashtra, India. Ph. 0721- 2660855
Fax: 0721 -2665485, Email : shivajiscamt@gmail.com , Website : www.shivajiscamt.org