



DST – INSPIRE INTERNSHIP CAMP – 2018

(Innovation In Science Pursuit for Inspired Research)

[An Initiative of Department of Science and Technology, Govt of India]

Shri Shivaji Science College

Shivaji Nagar, Amravati, MS – 444603

NAAC accredited by "A Grade" CGPA 3.13 (3rd Cycle), UGC Awarded "College with Potential for Excellence" (2nd Phase)
Identified by DST, Govt. of India under FIST and Sant Gadge Baba Amravati University as "Lead College".



25th to 29th December, 2018

Brief Report Document Index

S.N	DOCUMENT
1.	Sanction order copy
2.	List of the participating students with Cutoff marks their Education board like State Education Board, CBSE, ICSE etc.
3.	List of Mentors with their contact details and title of the talk
4.	Brief Report
5.	Program Schedule followed in the camp
6.	Student feedback summary in the given format (compiled by the Program Coordinator on the available performan on INSPIRE website)
7.	Program Coordinators Feedback
8.	Innovative idea write-ups of the Top Ten winners
9.	Photo Gallery

No. INSPIRE INTERNSHIP J-2018-19-19
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
(INSPIRE PROGRAM)

Technology Bhawan
New Mehrauli Road
New Delhi-110 016
Dated: 20th September, 2018

SANCTION ORDER

Subject: Financial assistance for organizing the INSPIRE Internship Science Camp (Ref. no. DST/INSPIRE /01/2018/000176) during 01-05 December, 2018 at Shri Shivaji College, Shivaji Nagar, Amravati-444604, Maharashtra.

PI: Dr. Dinesh Dayaramji Khedkar, Associate Professor/Program Co-ordinator, Shri Shivaji College, Shivaji Nagar, Amravati-444604, Maharashtra.

Sanction of the President is hereby conveyed for the organization of above mentioned INSPIRE Internship Science Camp for 150 students during 01-05 December, 2018 at Shri Shivaji College, Shivaji Nagar, Amravati-444604, Maharashtra at a total cost. General component, not exceeding Rs. 9,75,000 - (Rupees Nine Lakh and Seventy Five Thousand only).

2. Sanction of the President is also accorded to the General component release of Rs. 8,00,000/- (Rupees Eight Lakh only) to the Shri Shivaji College, Shivaji Nagar, Amravati-444604, Maharashtra as the initial grant for organizing the above mentioned program and the final release will be made on receipt of Utilization Certificate and Statement of Expenditure from the host Institute.

3. It is certified that travel by Air/Rail Road (Car/Taxi etc.) in this case is urgent and considered necessary in the public interest. The sanction of the President is also accorded to the performance of Journey by Air/Train (1st Class/AC2tier/AC3tier) /Road (Own Car/taxi etc.) by the participants as per their entitlement in their parent organization.

4. Host Institute will furnish financial records in the form of the Statement of Expenditure and Utilization Certificate duly reflecting the interest earned/accrued on the above received amount by them along with INSPIRE Internship Science Camp completion Report to DST. After receiving these documents, DST will release the next/Final installment amount if applicable. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and final completion report within one year from the scheduled date of completion.

5. The Institute will maintain separate audited accounts for the Project and would keep whole of the grant in a bank account earning interest.

6. The expenditure involved is to be debited to

Demand No. 84 - Department of Science and Technology
3425: Other Scientific Research (Major Head)
60 - Other (Sub-Major Head)
60.200 - Assistance to other Scientific Bodies (Minor Head)
68 - Science & Technology Institutional and Human Capacity Building
68.00.31 - Grant-in-aid General for the year 2018-19
(Previous: 56.03.31 - Alliance and R&D Mission)

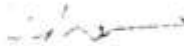
7. The amount of Rs. 8,00,000/- (Rupees Eight Lakh only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the Shri Shivaji College, Shivaji Nagar, Amravati-444604, Maharashtra. The bank details for electronic transfer of funds through RTGS are given below -

Name of the Account Holder: Shri Shivaji College, Amravati
Bank Name: Bank of Baroda
Account No. 04680100005323
FSc Code BARB0AMRAVA

Contd. 2 -

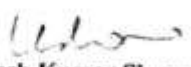
-2-

8. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.
9. The grantee organization will have to enter & upload the utilization certificate in the PFMS portal. The subsequent final installment will be released only after confirmation of the acceptance of the UC by online portal and of entry of previous UC's by the division.
10. The organization institute university should ensure that the technical support financial assistance provided to them by the Department of Science & Technology should invariably be highlighted acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
11. Failure to comply with the terms and conditions of the scheme will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.
12. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be remitted to Consolidated Fund of India, immediately after finalization of accounts, as it shall not be adjusted towards future release of grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure Utilization Certificate for considering subsequent release of grant/closure of project accounts.
13. The sanction issue under the powers delegated to the Ministries and with the concurrence of the Integrated Finance Division, Department of Science and Technology vide their Dy. No. C-1282/1FD/2018-19 dated 12.07.2018.
14. The Sanction Order is entered vide INSPIRE Sl. No. 341 in the Register of Grants.


(Umesh Kumar Sharma)
Scientist -E

Copy forwarded for information and necessary action to:

1. Copy with two spare copies of the sanction to the Drawing and Disbursing Officer, DST, New Delhi.
2. Pay & Accounts Officer, DST, New Delhi.
3. Sanction Folder, DST, New Delhi.
4. The Principal Director of Audit
A.G.C.R. Building
IIIrd Floor, I.P. Estate
New Delhi-110 002
5. The Principal
Shri Shivaji College
Shivaji Nagar, Amravati-44604, Maharashtra
6. Dr. Dinesh Dayaramji Khedkar
Associate Professor Program Co-ordinator
Shri Shivaji College
Shivaji Nagar, Amravati-44604, Maharashtra
7. File Copy


(Umesh Kumar Sharma)
Scientist -E



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25th to 29th December, 2018

Attendance

S.N.	ROLL NO AND NAME	MARKS	BOARD	CUT OFF	25 th DEC	26 th DEC	27 th DEC	28 th DEC	29 th DEC
1	1. ADLOK OM VIKAS	92.2	ICSE	96.8	P	P	P	P	P
2	2. AGNIHOTRI AMEYA ANIRUDHA	93.50	MSBE	93.6	P	P	P	P	P
3	3. AJMIRE AKASH HANUMANT	92.20	MSBE	93.6	P	P	P	P	P
4	4. AKARTE RAJESHWARI SHAILESH	93	MSBE	93.6	P	P	P	P	P
5	5. ALKARI ANUSHKA SANJAY	98.8	MSBE	93.6	P	P	P	P	P
6	6. ALSHI VAIDEHI AJAY	93.8	MSBE	93.6	P	P	P	P	P
7	7. AMABATKAR GAURI RAJENDRA	95.80	MSBE	93.6	P	P	P	P	P
8	8. ANDHARE KHUSHI YOGESHRAO	97	MSBE	93.6	P	P	P	P	P
9	9. BABHULKAR MOHIT ASHOK	94.4	MSBE	93.6	P	P	P	P	P
10	10. BAMBORDE SAURABH SUNIL	92.6	MSBE	93.6	P	P	P	P	P
11	11. BHANJALE TANAYA NILESH	94.4	MSBE	93.6	P	P	P	P	P
12	12. BHOJANE CHAITANYA PRAMODRAO	96.4	MSBE	93.6	P	P	P	P	P

13	13 BIDKAR ANJALI SANJAYRAO	94.60	MSBE	93.6	P	P	P	P	P
14	14 BOHRA AMATULLA QAZAR HUSSAIN	95.00	MSBE	93.6	P	P	P	P	P
15	15 CHAPLE ISHA GOPALRAO	92.6	MSBE	93.6	P	P	P	P	P
16	16 DAWARE SARJA SHASHANK	96	CBSE	95.00	P	P	P	P	P
17	17 DESHMUKH ADITI JAYANT	92.00	MSBE	93.6	P	P	P	P	P
18	18 DHALE ANANYA ATUL	97.4	CBSE	95.00	P	P	P	P	P
19	20. DHULE ANIKET KALIDAS	94.60	MSBE	93.6	P	P	P	P	P
20	21 FARTODE SHRRAWANI RAVINDRA	97.6	MSBE	93.6	P	P	P	P	P
21	22 GAWAI CHETAN RAMKRUSHAN	94.8	MSBE	93.6	P	P	P	P	P
22	23 GHARE RUCHA JAYANT	93.4	CBSE	95.00	P	P	P	P	P
23	24 INSOLE SNEHA GOWARDHAN	92.2	MSBE	93.6	P	P	P	P	P
24	25 KADAM MRUNMAI NARENDRA	93.4	MSBE	93.6	P	P	P	P	P
25	26 KADAM SHREYA DEVENDRA	93.4	MSBE	93.6	P	P	P	P	P
26	27. KEDIA KHUSHI RAJESH	92.8	MSBE	93.6	P	P	P	P	P
27	28. KENE JANHVI NITIN	92.2	MSBE	93.6	P	P	P	P	P
28	29. KHANDELWAL USHMA KAMLESH	92.8	MSBE	93.6	P	P	P	P	P
29	30. KHERDE MAYURI DILIP	92.8	MSBE	93.6	P	P	P	P	P
30	31. LAYBARE MAYUR ONIKAR	93.20	MSBE	93.6	P	P	P	P	P
31	32. MAHANKAR AVANTIKA BALKRUSHNA	96	MSBE	93.6	P	P	P	P	P
32	33. MANSUTE NIKITA SURESH	94	MSBE	93.6	P	P	P	P	P
33	34. NIMSADDE AKHILESH VIJAY	96.80	CBSE	95.00	P	P	P	P	P
34	36. PAWAR POOJA DILIPRAO	92.4	MSBE	93.6	P	P	P	P	P

35	37. RATHOD PRATIK RAMESHWAR	92.8	MSBE	93.6	P	P	P	P	P
36	38. RAUT SHREYA MAROTRAO	92.6	MSBE	93.6	P	P	P	P	P
37	39. ROHANKAR DHANASHREE CHANDRAKANT	95.4	MSBE	93.6	P	P	P	P	P
38	40. SAWANT DIPALI ANIL	97.2	MSBE	93.6	P	P	P	P	P
39	41. SONI YESHA HITEN	96.4	CBSE	95.00	P	P	P	P	P
40	42. WANKHADE ARYAN KISHORE	93.4	MSBE	93.6	P	P	P	P	P
41	43. WATANE MRUNAMAYI AVINASH	97.40	MSBE	93.6	P	P	P	P	P
42	44. WATH SAKSHI UMESH	93.40	MSBE	93.6	P	P	P	P	P
43	45. AMZIRE SNEHAL SURESHRAO	94.2	MSBE	93.6	P	P	P	P	P
44	46. ASOLE VAISHNAVI PRASHANT	98.4	MSBE	93.6	P	P	P	P	P
45	47. ASUTKAR PARAS BHANUDAS	94.40	MSBE	93.6	P	P	P	P	P
46	48. BAJPEYEE SEJAL ASHWINKUMAR	95.4	CBSE	95.00	P	P	P	P	P
47	49. BHAKARE JANHAVI VASANTRAV	92.40	MSBE	93.0	P	P	P	P	P
48	50. BHATKHANDE RAHUL NILKANTH	95.40	MSBE	93.6	P	P	P	P	P
49	52. CHAVHAN NISHANT SHESHRAO	96.6	MSBE	93.6	P	P	P	P	P
50	53. CHIKANKAR RIYA RAMCHANDRA	95.2	MSBE	93.6	P	P	P	P	P
51	54. CHOUDHARY SIDDHANT SUDESHKUMAR	98.2	MSBE	93.6	P	P	P	P	P
52	55. DANGRA JANVI SHYAMSUNDAR	93	MSBE	93.6	P	P	P	P	P
53	57. DESHMUKH BHUSHAN UMESHRAO	94.4	MSBE	93.6	P	P	P	P	P
54	58. DESHMUKH PARIMAL SHASHIKANT	93.8	MSBE	93.6	P	P	P	P	P
55	59. FATING SAMIKSHA SANJAY	93.6	MSBE	93.6	P	P	P	P	P
56	60. GAWANDE RUSHIKESH KISHOR	94.4	MSBE	93.6	P	P	P	P	P

57	61. GEDAM PRITAM GOVARDHAN	92	MSBE	93.6	P	P	P	P	P	P
58	62. GHIME RIJSHIKESH VILASRAO	95	MSBE	93.6	P	P	P	P	P	P
59	63. GUNDAWAR AYUSH SANDEEP	95	MSBE	93.6	P	P	P	P	P	P
60	64. JATALE LAXMI SANTOSH	92.4	MSBE	93.6	P	P	P	P	P	P
61	65. KANKALE JAY RAJENDRA	95.6	MSBE	93.6	P	P	P	P	P	P
62	66. KOTHARI MANASVI LATISH	92.4	CBSE	95.00	P	P	P	P	P	P
63	67. KURHADE AKANKSHA ARUNRAO	95.60	MSBE	93.6	P	P	P	P	P	P
64	68. MORANKAR SHARAYU BABARAO	94.6	MSBE	93.6	P	P	P	P	P	P
65	69. PARIKH URVI URVISH	92.67	ICSE	96.8	P	P	P	P	P	P
66	70. PAWAR ANKITA SHRIKANT	95.60	MSBE	93.6	P	P	P	P	P	P
67	71. POHEKAR KIRAN UMESH	95.40	MSBE	93.6	P	P	P	P	P	P
68	72. RAUT PRAGATI GAJANAN	94.2	MSBE	93.6	P	P	P	P	P	P
69	73. SHENDE AMAN SURENDRA	93.00	MSBE	93.6	P	P	P	P	P	P
70	74. SHINDE BHAVANA JAGDISH	93.2	MSBE	93.6	P	P	P	P	P	P
71	75. SHRIPAME ASMITA SUSHIL	93.6	MSBE	93.6	P	P	P	P	P	P
72	76. SINGHI BHOOMI KAMLESH	96.16	ICSE	96.8	P	P	P	P	P	P
73	77. SISODE HRUTUJA VIJAYRAO	93.60	MSBE	93.6	P	P	P	P	P	P
74	78. SONTAKKE SHRAVANI DHANANJAY	94.00	MSBE	93.6	P	P	P	P	P	P
75	80. TALAN APEKSHA BAPURAOJI	94.60	MSBE	93.6	P	P	P	P	P	P
76	81. THAKARE AACHAL RAMESH	94.6	MSBE	93.6	P	P	P	P	P	P
77	82. THAKARE DEVAKI SANTOSH	95	MSBE	93.6	P	P	P	P	P	P
78	83. THAKARE GAURI SANJAY	92.2	MSBE	93.6	P	P	P	P	P	P

Scanned by CamScanner

79	84. THAKARE SANEKRUTI SUNILRAO	94.6	MSBE	93.6	P	P	P	P	P	P
80	85. TIKALE NAYAN PRADIP	92.6	MSBE	93.6	P	P	P	P	P	P
81	86. TIKHILE AKANKSHA ARVIND	95.4	MSBE	93.6	P	P	P	P	P	P
82	87. TIRATKAR MOHAM MURLIDHAR	95.2	MSBE	93.6	P	P	P	P	P	P
83	88. YEOTKAR PRIYANKA GNYANESHWAR	93.80	MSBE	93.6	P	P	P	P	P	P
84	89. AWAGHAD AMARTYA GAJENDRA	96.20	MSBE	93.6	P	P	P	P	P	P
85	90. BHATTAD RESHAM OMPRAKASH	96.6	MSBE	93.6	P	P	P	P	P	P
86	91. BHOYAR NEHA RAJESH	94.4	MSBE	93.6	P	P	P	P	P	P
87	92. CHANDURE MANJIRI BHASKAR	95.90	MSBE	93.6	P	P	P	P	P	P
88	93. CHOUDHARY ANUSHKA GAJENDRA	93.60	MSBE	93.6	P	P	P	P	P	P
89	94. DAHWADE ABHINAV RAJENDRA	94.4	MSBE	93.6	P	P	P	P	P	P
90	95. DARDKAR MRUNALI AVINASH	92	MSBE	93.6	P	P	P	P	P	P
91	96. DESHMUKH ANISHA ANIL	95	MSBE	93.6	P	P	P	P	P	P
92	97. DHUDSE RENUKA RAMADASJI	93.40	MSBE	93.6	P	P	P	P	P	P
93	98. FARTADE DARSHANA SANJAY	95	MSBE	93.6	P	P	P	P	P	P
94	99. GANGAN RADHIKA RAJESH	96.20	MSBE	93.6	P	P	P	P	P	P
95	100. GAYAKE DHANANJAY MORESHWAR	92	MSBE	93.6	P	P	P	P	P	P
96	101. GHATOLE DARSHAN SURESHRAO	93.40	MSBE	93.6	P	P	P	P	P	P
97	102. GHULAXE SHRUTI KISHOR	97.6	MSBE	93.6	P	P	P	P	P	P
98	103. GOHITE KIRTI SURESHRAO	94.4	MSBE	93.6	P	P	P	P	P	P
99	104. INGLE PRANAY ARUNRAO	95.4	MSBE	93.6	P	P	P	P	P	P
100	105. INGLE SHREYA VIJAY	97	MSBE	93.6	P	P	P	P	P	P

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101	106	KHODE NANOINI VIJAY	98	MSBE	93.6	P	P	P	P	P
102	107	LADOLE KOMAL RAJENDRA	93.60	MSBE	93.8	P	P	P	P	P
103	108	MAHORE PRABODHI JAYANT	98.60	MSBE	93.6	P	P	P	P	P
104	109	MANIKAR NAYAN PURLUSHOTTAM	94.6	MSBE	93.6	P	P	P	P	P
105	110	MASALADI KSHITIJA BHARAT	95	MSBE	93.5	P	P	P	P	P
106	111	MOHADARKAR KARTIK SHRIKANT	94.2	MSBE	93.5	P	P	P	P	P
107	112	NAGMOTE SRUSHTI SURENDRA	94.2	MSBE	93.6	P	P	P	P	P
108	113	NICHAT HARSHAD RAJU	92	MSBE	93.5	P	P	P	P	P
109	114	MISTANE PRAGATI VIJAY	94	MSBE	93.5	P	P	P	P	P
110	115	PANWAR LAXMI KIRAN	93.60	MSBE	93.6	P	P	P	P	P
111	116	POHANE VAISHALI SANJAY	92.80	MSBE	93.6	P	P	P	P	P
112	117	POPHALE ISHWARI SANJAY	94.60	MSBE	93.6	P	P	P	P	P
113	118	SAHU ARYAN PRAVIN	94.4	MSBE	93.5	P	P	P	P	P
114	119	SAHU SHREYAS ANIL	93.80	MSBE	93.6	P	P	P	P	P
115	120	SAWANT JAY NAGRAJ	93.4	MSBE	93.6	P	P	P	P	P
116	121	SHAH FARIN KADIR	97	MSBE	93.6	P	P	P	P	P
117	122	SOLANKI DARSHITA DINESH	93.4	MSBE	93.6	P	P	P	P	P
118	123	SUNE YASH GANESH	95	MSBE	93.6	P	P	P	P	P
119	125	TIWARI RISHIKA RAJESH	92.20	CBSE	95.00	P	P	P	P	P
120	126	UPARIKAR MAYUR NARAYANRAO	94.4	MSBE	93.6	P	P	P	P	P
121	127	WADIVE AGRANI RAJESH	93.8	MSBE	93.6	P	P	P	P	P
122	128	WAGHMARE HARSHRITA SANJAY	92.20	MSBE	93.6	P	P	P	P	P

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123	129	WAKODE RENUKSHREI SHANKAR	95	MSBE	93.6	P	P	P	P	P
124	130	WANKHADE NIHAR RAJESH	95	MSBE	93.6	P	P	P	P	P
125	132	WASEKAR SANJAY WASEKAR	94	MSBE	93.5	P	P	P	P	P
126	133	DAFARE BHUMIKA	92	MSBE	93.6	P	P	P	P	P
127	134	DAFE AACHAL RAJU	96.0	MSBE	93.6	P	P	P	P	P
128	136	DOIFODE ATHARVA VILAS	95.2	CBSE	95.00	P	P	P	P	P
129	137	GADGE HARSHALI PRABHAKAR	92.8	MSBE	93.6	P	P	P	P	P
130	138	GOHATRE BHUMIKA PRAMOD	97.8	MSBE	93.6	P	P	P	P	P
131	139	GULRANDHE SAMIKSHA DILIPRAO	97.4	MSBE	93.5	P	P	P	P	P
132	140	INGOLE TEJAS NITIN	93.4	MSBE	93.6	P	P	P	P	P
133	141	JAJDO NIRAL PRAVEEN	95.8	MSBE	93.6	P	P	P	P	P
134	142	KALE ADITYA RAMESH	95.0	ICSE	96.8	P	P	P	P	P
135	143	KALE AISHWARYA SUNIL	94.8	MSBE	93.6	P	P	P	P	P
136	144	KASTURE MADHURA ANANT	96.6	MSBE	93.6	P	P	P	P	P
137	145	KAVITKAR ANAMIKA NANDKISHOR	95	MSBE	93.6	P	P	P	P	P
138	146	KHARSAN SAKSHI SURESHRAO	97	MSBE	93.6	P	P	P	P	P
139	147	KHIRADE PRATIK PRABHU	94.4	MSBE	93.6	P	P	P	P	P
140	148	KHODE CHAITNYAAVIJAY	93.4	MSBE	93.6	P	P	P	P	P
141	149	KUCHE VAIBHAVI PRAMODRAO	96.60	MSBE	93.6	P	P	P	P	P
142	150	KUCHERIYA SAKSHI RAJESH	93.8	MSBE	93.6	P	P	P	P	P
143	151	LAHOTI SURABHI GHANSHYAMJI	93.20	MSBE	93.6	P	P	P	P	P
144	152	MAHATME SHREYA SANJAY	92	MSBE	93.6	P	P	P	P	P

Scanned by CamScanner

145	153. MANIKPURE MAYURI RAMDAS	97.8	MSBE	93.8	P	P	P	P	P
146	154. MOHOD SHIVANI DIPAK	95.20	MSBE	93.6	P	P	P	P	P
147	155. NAGDVE SAKSHI CHANDRAMANI	93	MSBE	93.6	P	P	P	P	P
148	156. NAGMOTE MANSI ANIL	96	ICSE	96.8	P	P	P	P	P
149	157. NARKHEDE SHIRAM VINAYAK	95.6	MSBE	93.6	P	P	P	P	P
150	158. PANDHARPURE AMAN RAMESH	94	MSBE	93.6	P	P	P	P	P
151	159. PUND MUGDHA SUNIL	96.2	MSBE	93.6	P	P	P	P	P
152	160. RANGARI PRAJAKTA BHASKAR	93.4	MSBE	93.6	P	P	P	P	P
153	161. RODE YUGA CHANDRASHEKHAR	96.4	CBSE	95.00	P	P	P	P	P
154	162. SHAH YASH AMIT	95.4	MSBE	93.6	P	P	P	P	P
155	163. SHELOKAR NUPUR MAHENDRA	96.4	MSBE	93.6	P	P	P	P	P
156	165. THAKARE SANSKRUTI VIVEK	93.8	MSBE	93.6	P	P	P	P	P
157	166. THAKUR ARJUN PRAFULAO	99.20	MSBE	93.6	P	P	P	P	P
158	167. THOMBARE VAIBHAV PRALHADRAO	93.6	MSBE	93.6	P	P	P	P	P
159	168. TIRATHKAR CHAITALI PRAVIN	92.0	MSBE	93.6	P	P	P	P	P
160	169. TIWARI RAJRAJESHWAR GHANSHYAM	95.2	MSBE	93.6	P	P	P	P	P
161	170. UMARE MANDAR NITIN	94.2	MSBE	93.6	P	P	P	P	P
162	171. WAKODE ANUSHREE SHANKAR	96	MSBE	93.6	P	P	P	P	P
163	173. WAIGHAT VAIDENI MUKUND	94.20	MSBE	93.6	P	P	P	P	P
164	174. YADAV RITESH JAIMANGAL	93.8	MSBE	93.6	P	P	P	P	P
165	176. DHOK ISHWARI RAHUL	93.2	CBSE	95.00	P	P	P	P	P
166	177. GAWANDE SANYOJKA KISHOR	98.4	MSBE	93.6	P	P	P	P	P

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167	178. BHAKRE ARYAN SHASHI	92	CBSE	95.00	P	P	P	P	P
168	179. ALSHI VEDANTI AJAY	92.60	CBSE	95.00	P	P	P	P	P
169	180. CHANDAK ADITI VINOD	95.5	MSBE	93.6	P	P	P	P	P
170	181. LABADE VEDASHRI SANDIP	90.0	MSBE	93.6	P	P	P	P	P
171	182. MHALA JANHAVI VINOD	91.0	MSBE	93.6	P	P	P	P	P
172	183. CHAVHAN DHANRAJ PRUTHWIRAJ	91.90	MSBE	93.6	P	P	P	P	P
173	184. ULHE YASH ACHUTRO	91.60	MSBE	93.6	P	P	P	P	P
174	185. MAHASHABDE ARYA ATUL	91.64	MSBE	93.6	P	P	P	P	P
175	186. DEV RIDDHESHWARI NARAYAN	94.8	MSBE	93.6	P	P	P	P	P
176	187. MAYURI VIJAY GAWANDE	91.60	MSBE	93.6	P	P	P	P	P
177	188. MORE SAKSHI SAKHARAM	90.00	MSBE	93.6	P	P	P	P	P
178	189. HADWANE SATVIK RAVINDRA	90	CBSE	95.00	P	P	P	P	P
179	190. MANKE SHREYAS SUNIL	91.4	CBSE	95.00	P	P	P	P	P
180	191. BALWIR DARSHANA PRADIP	95.06	CBSE	95.00	P	P	P	P	P
181	192. WAHANE SANIKA GAJENDRA	93.80	MSBE	93.6	P	P	P	P	P
Teacher incharge					Dr. Bodade	Dr. Mangirwar	Dr. Khedkar	Mr. Himanshu	Dr. Anand

Dr. Bodade

Dr. Mangirwar

Dr. Khedkar

Mr. Himanshu

Dr. Anand

Dr. D. D. Khedkar

Coordinator

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25th to 29th December, 2018

List of Mentors with their contact details and title of the talk

S.N.	Date	Resource Person	Talk Topic
1.	25.12.18	Dr. P Lakshminarsimhan Scientist 'E' & HoO, Botanical Survey of India, Western Regional Centre, Pune – 411 001 Email: lakshminarasimhanp@yahoo.co.in Mobile: 9831460342	INSPIRING OPPORTUNITIES IN BIOLOGICAL RESEARCH
2.		Dr. M. Abdul Kareem Department of Sciences, IGNOU, New Delhi Email: abdul.kareem@ignou.ac.in Mobile: 9717860446	FOLDSCOPE AS A RESEARCH AND EDUCATIONAL TOOL
3.	26.12.18	Dr. Harita Rawal Homi Bhabha Centre for Science Education, Mumbai. Email: harita@hbcse.tifr.res.in Mobile: 9408039292	FINDING THE RIGHT PATH!
4.		Prof. B N Jagatap Department of Physics, IIT Bombay Email: jagatap@phy.iitb.ac.in , bnjagatap@gmail.com Mobile: 9757000237	A, B, C OF RESEARCH, DEVELOPMENT AND INNOVATION
5.	27.12.18	Dr. Naveen Kango Prof and Head, Department of Microbiology, Dr. Harisingh Gour Vishwavidyalaya (A Central University) Sagar (M.P.) 470003 Email: nkango@gmail.com , Mobile: 9425635736	HARNESSING MICROBIAL RESOURCES FOR HEALTH AND ENVIRONMENT
6.		Dr. Vikas Gupta Head, Department of Biotechnology, DAV College, Katra Sher Singh, I/s Hathi Gate Amritsar, Punjab-143001, India. Email: bio_vic@yahoo.com Mobile: 9888232524	BIOMIMICRY : INNOVATIONS INSPIRED BY NATURE
7.		Dr. Ashok Rupner Centre for Excellence in Science and Maths Education, IISER, Pune. Email: ashokrupner@gmail.com Mobile: 8888095176	SCIENCE SHOW: "FUN WITH HANDS-ON SCIENCE"
8.	28.12.18	Dr. Shashank Mhaske Head, Deptt. of Polymer Engineering and Surface Coating Technology Institute of Chemical Technology, Mumbai Email: stmhaske@gmail.com Mobile: 9930843522	SCOPE AND IMPORTANCE OF CHEMICAL INDUSTRY IN INDIA

9.		Dr. Sanjio Zade Associate Professor, Dept. of Chem. Sciences (DCS), Indian Institute of Science Education and Research, Kolkata Email: sanjiozade@iiserkol.ac.in Mobile: 9432252067	CHEMISTRY: THE CENTRAL SCIENCE
10.	29.12.18	Dr. G.S. Khadekar Prof and Head, Department of Mathematics, Rashtrasant Tukdoji Maharaj, Nagpur University Nagpur, MS Email: gkxhadekar@yahoo.com , gkxhadekar@rediffmail.com Mobile: 9011323123	WORMHOLE

Brief Report

Department of Science and Technology, Govt. of India sponsored **Inspire Internship Camp** was organized to nurture and polish the genius and intellectual students at junior college level where they made a choice to learn science. With the novel thought to conceive Scientists of the calibre of Nobel Laureates in this wealthy nation, ritualistic sessions were conducted.

It was the systematic sacramental encampment to enlighten junior scientist of the nation. Shortlisted 177 students securing 77 percentage of makes 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 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. Lakshminarasimham, HoO, Botanical Survey of India, Western Region, Pune. Hon'ble Harshwardhanji 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. Ashokji Thuse, honoured dais with their graceful presence.

Various competitions were conducted for 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 was concluded with the brainstorming counselling 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, Shri Shivaji Education Society, Amravati. Shri Hemantji Kalmegh, Executive Member, Shri Shesharao Khade, were present on the dais.



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25th to 29th December, 2018

Session I - Inaugural Ceremony

Tuesday, 25th Dec, 2018 ; 10.30 to 11.30 am

Venue: Sir C. V. Raman Auditorium, Shri Shivaji Science College, Amravati

Chronicle of Events

Sr. No	Event Details	Time
1	Arrival of Guests	10:30
2	"Pratima Pujan" and Lighting of lamp	10:30 – 10:35
3	Floral welcome of guests	10:35 – 10:40
5	INTRODUCTORY SPEECH Dr. V. G. Thakare, Principal Shri Shivaji Science College, Amravati.	10:40 – 10:50
6	IQAC News Letter Release	10:50 – 10:55
7	ADDRESS BY CHIEF GUEST Hon'ble Sharad Gosavi, Chairman M.S. Board of Examination, Amravati Division, Amravati	10:55 – 11:05
8	INSPIRE CAMP Souvenir Release	11:05 – 11:10
9	INAUGURAL DECLARATION AND INAUGURATOR'S ADDRESS- Hon'ble Dr. P. Lakshminarsimhan, Scientist – E Botanical Survey of India, Pune.	11:10 – 11:15
10	CHAIRMAN'S ADDRESS – Hon'ble Harshvardhanji Deshmukh, President Shri Shivaji Education Society, Amravati	11:15 – 11:25
11	VOTE OF THANKS Dr. D. D. Khedkar, Organizing Secretary Associate Professor, Shri Shivaji Science College, Amravati	11:25– 11:30
12	SESSION II INDUCTION TALK BY Hon'ble Dr. P. Lakshminarsimhan, Scientist – E Botanical Survey of India, Pune. INSPIRING OPPORTUNITIES IN BIOLOGICAL RESEARCH	11:30– 12:30

Anchors: 1. Prof. Vansant Hebbar, Head Deptt. of English, Shri Shivaji Science College, Amravati
2. Dr. Rekha Maggirwar, Asst. Prof. in Botany, Shri Shivaji Science College, Amravati



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25th to 29th December, 2018

Valedictory Programme

Saturday, 29th Dec, 2018 ; 3:00 pm

Venue: Sir C. V. Raman Auditorium, Shri Shivaji Science College, Amravati

Chronicle of Events

Sr. No	Event Details	Time
1	Arrival of Guests	3:00
2	Floral welcome of guests	3:00 – 3:05
3	INSPIRE CAMP Summary by Dr. D. D. Khedkar, Organizing Secretary Associate Professor, Shri Shivaji Science College, Amravati	3:05 – 3:15
4	Student's Feedback	03:15 – 03:30
5	Resource Person's Feedback	03:30 – 03:40
6	Principal's Remarks	03:40 – 03:45
7	Speech by Guest of Honor Hon'ble Hemantji Kalmegh	03:45 – 03:50
8	Prize Distribution -Inspire Camp Activities	03:50 – 04:30
9	Felicitation of Chief Guest Padmabhushan Dr. Vijay Bhatkar	04:30 – 04:35
10	Address by Chief Guest Padmabhushan Dr. Vijay Bhatkar	04:35 – 04:50
11	Vote of Thanks Mr. V. W. Labde Supervisor Junior College	04:50 – 04:55
12	National Anthem	04:55 – 05:00



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25th – 29th December 2018

: Detailed Programme Schedule :

Tuesday, 25 th Dec. 2018	Wednesday, 26 th Dec. 2018	Thursday, 27 th Dec. 2018	Friday, 28 th Dec. 2018	Saturday, 29 th Dec. 2018
8.30 – 9.30 Registration and Breakfast	6.00 – 7.30 Yoga / Aerobics / Sports / Self Defence			
8.30 – 9.30: Registration, related queries and Breakfast.				
9.30 – 10.30 Group Celling	9.30 – 11.00 Prof. B N Jagtap B.E. Bombay	9.30 – 11.00 Prof. Navin Kango Microbiology, Dr. Bhaichang Gaur University, Sagar MP	9.30 – 11.00 Dr. Shashank Mhaske Chem Tech., Institute of Chemical Technology, Mumbai	9.30 – 11.00 Dream World Concept Competition
10.30 – 11.30 Inaugural Session Chief Guest Hon'ble Mr. Sharad Gosavi Chairman, Maharashtra State Board of Examinations, Amravati Division	~ 11.00 ~ ~ 11.30 In-house Refreshment Break with interaction			
11.30 – 12.30 Inaugural Talk Dr. P Lakshminarayanan Scientist 'C', IISL, Pune	11.30 – 1.00 Dr. Harita Rawal Home Bhudha Centre for Science Education, Mumbai	11.30 – 1.00 Dr. Vikas Gupta Biotech., DAV College, Amravati, Punjab	11.30 – 1.00 Science Quiz (Knockout Round)	11.30 – 1.00 Dr. G.S. Khadekar Mathematics, Rashtrasant Tukdoji Maharaj, Nagpur University, Nagpur
12.30 – 1.00 In-house Refreshment	1.00 – 2.30 Science Quiz (Selection Round)	1.00 – 2.30 Science Show Dr. Ashok Rupner CoSME, IISER, Pune	1.00 – 2.30 Dr. Sanjiv Zaitic IISER Kolkata	1.00 – 2.00 Participate presentations on Innovative Idea Essays submitted by participants on selected topics of National Interest
2.30 – 3.30 Lunch Break and Batch Circulation				
~ 3.00 ~ ~ 5.30 Hands on Lab : Batch and subject wise				
~ 5.30 ~ ~ 6.30 Refreshment and Interaction				
6.30 – 8.00 Movie – Origin of Life	6.30 – 8.00 Movie – S & T Developments in India	6.30 – 8.00 The Great Idea Competition	6.30 – 8.00 Cybersecurity and Mathlab	3.00 – 4.00 Valedictory and Prize Distribution Function Chief Guest Padmashri Dr. Vijay Bhaskar Architect of India's Param supercomputers and Pioneer of IT industry in India
8.00 – 9.00 : Dinner				4.00 – 5.00 Certificate Distribution



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25th to 29th December, 2018

Student feedback summary

A five days residential camp from December 25th -29th 2018 was held in Shri Shivaji Science College, Amravati. Students from all over Maharashtra participated in this camp. In all 180 students were selected according to the criteria of DST and they were grouped as follows:

- Group 1. Dr APJ ABDUL KALAM (1-44)
- Group 2 Dr HOMI BHABA (45-88)
- Group 3 Sir J.C.Bose(89-132)
- Group4 S.RAMANUJAN (133-180)

Entire inspire camp was categorized as physical, knowledge, creativity and hands on activities The daily session started with yoga, aerobics, sports and self defence. All the four groups experienced and enjoyed the physical activities.

In knowledge acquiring sessions talks from renowned mentors were arranged daily, followed by interactive and discussion of students and mentors. Various competitions like essay competition, great idea, dream world concept and quiz was arranged for the students and recognized by prizes 1,2,3. To develop creativity amongst the students in the hands on visit to each laboratory and handling the apparatus, performing some experiments was done by students themselves. Special session to show skill inculcated within the students was also arranged which inspired students practically. On the very first day 25th dec.2018 a pre-camp feedback form was given to students which were collected on the same day. Amongst the nine questions in the feedback form prescribed by DST in the INSPIRE INTERN'S FEED BACK FORM following summary is extracted –

1. Participant students appreciated the online broadcasting of the lectures during all the session on college website. Reported that, almost all parents have enjoyed the sessions at their homes and those friends who could not join due to any reasons on their mobiles.
2. The ambience, organizational coordination, soliciting welcome, Raman Audio-visual hall with the facility of the unlimited Wifi to participate in all the online competitions planned during the camp. Study material including good quality of Bag, Water Bottle, Folders and special booklet entitled Sizzling Youth : Dazzling India – Fostering Blue Print of Career, etc was appreciable.
3. Well equipped laboratories, well planned, innovative and inquisitive activities made the practical session more funfilled learning experience.
4. Play grounds at the venues of accommodation facilitates the morning sessions of Yoga, Games, Safety ways and Aerobics.
5. Arrangement accommodation of the entire group of participants and teachers in one place made the stay period enjoyable.

6. Continental system of diet with three refreshment (Breakfast, Pre-Lunch, Post-Lunch) with very good Lunch and dinner in presence of the resource persons and wonderful lighting, mild music, presentations of the participants, teachers and organizers made it homely.
7. Payment of Traveling cost to the participating students was deposited online in their accounts after completion of the camp.
8. Replies on the interactive talk by resource person are –
 - a. Awesome in all the aspects and inspired us a lot
 - b. Experienced world of science and developed our interest
 - c. Interactive talks were knowledgeable and gave guidelines for carrier
 - d. Developed thinking and practical skills along with lots of learning and fun
 - e. Active participation of all the students created motivation in them.
9. Special comments about scientific discussion/practical demonstrations/hands on experiments are –
 - a. Fantastic memories
 - b. Very informative, Much of amusements about future studies
 - c. Created interests in science
 - d. Enjoyable sessions
 - e. Doubt clearance
 - f. Was lifetime experience and we felt Happy by performing experiments
10. Students expects following from the Inspire Camp -
 - To develop an protective cover for radiations from smart phone
 - Creative concept on reflection of light.
 - Decrease cockroaches in kitchen.
 - To make temporary magnet,.
 - To create air filter to reduce air pollution.
 - To develop/discover different uses of solar energy.
 - Prepared project on a mat-pressure sensors to produce energy whenever people walked on it.
 - Naming plants around to develop interest in nature.
 - How to reduce dry waste by using it in road construction.
 - Projector developed from convex lense.
 - Create code words for remembering difficult topics.
 - Repair vehicle by own ideas.
 - Created birthday magic squares.
 - To develop location by GPs footwear.
 - Flying vehicle for military areas .
 - Develop concept of time travel using black holes
 - Develop creative concept about star's age.
11. Responses to the question - Comments about the scientific discussions with the Mentors are as follows -
 - a. Mentors generated blue print of the career and motivation for innovation to observe development in self.
 - b. Made well versed about what research is and how does it help in our life?
 - c. Made inquisitive to know more about all the subjects
 - d. Developed curiosity in experiments, and creativity in students
 - e. Ideas of the basic science tool Like Experimental KIT floated

- f. Developed new prospective about different scientific phenomenon
 - g. Kept every student interactive during session
 - h. They learnt new innovative things and had good experiences with renowned scientists
 - i. Learnt beyond the books and get motivation and information about many fields available in science.
 - j. Developed new ideas, thinking and practical skills along with lots of learning and fun from the inspire camp.
 - k. Inclined towards research and created scientific temperament in the young minds of India
12. Students given following suggestions to further improve the INSPIRE Internship camps:
- a. All interested students should be allowed to participate in the camp irrespective of the SSC grades.
 - b. One day scientific tour.
 - c. Students suggested prohibition of mobile
 - d. More time is needed for interactions with mentors
 - e. Laboratory sessions should be more of activities than mere conducting practicals
 - f. Botany and Maths activities should be more
 - g. Some students visited and appreciated visits to Geology and Zoology Museum, it should be given special time for all the participants
 - h. Computer applications need to be explored more
 - i. Heavy diets during the entire day can be avoided
 - j. Cultural activities should be more
13. Overall impact of the INSPIRE Internship Camp:

Overall the camp management was appreciated by the students. Innovative ideas in broadcasting the camp online, quick completion of the competitions by using advance technologies, interactions with renowned scientist like Dr. Vijay Bhatkar, Dr. P. Narasimhan, Dr. B. N. Jagtap etc motivated. Career opportunities in research were very importantly explored. The mentality and scientific view developed among the students was very impactful. The content of the special booklet entitled Sizzling Youth : Dazzling India – Fostering Blue Print of Career was informative and motivational. Hands on session developed the practical interest and students enjoyed performing experiments Very happy with the mentors, interactive sessions and hope for more such camps further in their life and every student to be eligible irrespective of the grades.

PROGRAM COORDINATORS FEEDBACK

The camp was conducted at the dates approved by the DST. The proposed mentors were contacted for their presence during the day. Few of them could make it possible to join the camp. Due to unavailability of some of the mentors from the proposed list, others from the list of the Mentors available at inspire website were invited. Finally upto the last day of the camp we could manage to have 7 rmentors from the list and 3 out of it. These were renowned scientists working in different areas of science and Maths.

This was unique camp with some outstanding initiatives like –

1. Online broadcast of all the sessions, made available for huge spectrum of audience from the parents and students. All the sessions are still available in the YouTube Platform.
2. 17 Colleges arranged AV facilities in respective college from the Maharashtra and eventually around 700 remote students were benefitted.
3. Entire planned sessions were conducted as planned, alteration in the programme was absolute zero.
4. The exceptional competitions like IDENTIFY THE BIGGEST PROBLEM, UNLOCK THE PROBLEM, GREAT IDEA COMPETITION, DREAM WORLD CONCEPT and ESSAY COMPETITION were conducted online in a single instance on each day, results displayed after every competition.
5. Opening of the camp at the hands of Dr. P Lakshminarsimhan, Scientist 'E' & HoO, Botanical Survey of India (Western Regional Centre) and concluded by Padmabhusan Dr. Vijayji Bhatkar brought laurels to this programme.
6. Participation of 180 students from colleges panning Maharashtra and all the boards of exams made it grand success.
7. Demonstrations of working models prepared by our college students like, robots, aeroplane, etc. motivated all the participants to visualize their theoretical knowledge to its practical applications.
8. The study material published on this occasion in the form of a booklet entitled **Sizzling Youth : Dazzling India – Fostering Blue Print of Career** was very much appreciated.

Being a coordinator of the camp, I would like to suggest following few things to the governing agency –

1. The barrier of the highest marks should not be there. The merit students wont prefer to attend full time camp for five days and skip their coaching.
2. Capping of the travelling expenses for the resource person should be raised.
3. The list of mentors need to be updated. Many of the mentors are not available at the addresses given. Its very difficult to trace them.
4. The camp duration may be seven days to cover many of the essential aspects.

It was wonderful experience for entire organizing team from Junior and Senior college faculties. The target group of students was very geniuses, taking efforts for these prodigies will certainly lead to mammoth benefits in future.

Thanks for an opportunity.

Dr. D. D. Khedkar

Coordinator



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GREAT IDEA COMPETITION

S.N.	Subjects	Response	Roll No	Marks
1.	5. Virtual world	A beautiful virtual botanical garden can be made for relaxing space and ambitious artistic project. Creative working in entertainment industries can create their own virtual studios to make it easier to consider concept design. To design and stimulate submarines so that we can do it without doing it practically.	159	29
2.	7. Science fiction	Any artificial planet which would be sustainable for living existence can be constructed in galaxy. The world richest man can be able to build his own artificial planet and move the headquarter of his reputed company there. The space exploration corporation will invite human to its new artificial planet where everything will be free.	21	28
3.	6. Communication technology	In future it may be possible that there will be innovation of mind reading device which use our brain waves to control our computer. it record the activities of individual neuron to translate it on screen. It will make our life more easier and help to save more time.	106	27
4.	9. Most useful tool to evaluate	GPS footwear It is device used to identify the location of any person through the GPS which is emmeded in the footwear. This application is very useful to parents and to police for locating the location of criminals. Every device has particular password so that unknown can't detect the location.	99	27
5.	5. Virtual world	In upcoming generations , Human being will develope technology of living under water and under ground and trafic problem is destroyed by using air crafts.	165	25
6.	7. Science fiction	After 20 years, the technology touches a big height. The Neurohacking will invented by hackers in which they can read our mind without conversation or spoken words. It is the form of biohacking focusing on the brain and CNS .	174	24
7.	12. Environmental Protection	We can make one app on environmental protection. In this app , the message will reach within a second to environmental department when anybody try to harm environment by using devices	134	24
8.	11. Fantastic Mobile Application	The criminal alert app can be designated to help users stay alert of wanted criminals in their area as it will also have an alert button to inform the police and GPS feature to show your location to police .A virtual exam study app where student can meet and prepare for the exams along with other students of same disciplines.A total security control aap that will control all the security devicex within your house.	143	24
9.	5. Virtual world	I think that there should be a gadget which can be read the minds of the people. I mean the mind reader gadget can read the mind of people so that we can know some of the bad thoughts going in the mind of people. By this way, we can save our country and ultimately whole world.	151	24
10.	3. Biotechnology	Brain is most important thing for every one .In future if brain transplantation possible then it is outstanding think.We then transfer the brain of others and we become innotal	105	24
11.	4. Robotics	Robots are also use in bank or any government office for getting faster work and save energy and time of human being and it is more accurate than human work. We also use robots in hospital because whenever	68	23

		some nurces and wardboy behaves very wrong with patients then we replace robots with them they have not feelings		
12.	7. Science fiction	Sci-fi can provide us a gorgeous future over the Rogue planet. Time travel can be most possible way to reach it. The most focused aspect will be automobiles and social life with VR controlled by neuro connection. Humans will do ultraordinary things like flying, able to do teleportation. Automatic energy and water production from air will be done.	111	23
13.	7. Science fiction	In future a computer can be made which will have the ability to see the things happening in future. Skaters can be made which will float in air and will increase efficiency and speed. Communication will be brain to brain and the things in our brain will appear in air due to some technology on which we can work by touching it and also the communication with plants and animals will happen.	153	23
14.	5. Virtual world	We should invent such a time machine which can travel to us into past or future.If it happens,we get success in finding the origin of life and the calamities which will come in future.This invention will definately help us to save our beautiful world and our existence.	12	23
15.	5. Virtual world	Many times we want to see something face to face such as historical event or meet such person who is not in existence then we will use time machine.....it is the world's wonderful and amazing invention according to me	177	23

Judges

Dr. A. S. Burghate, Associate Professor in Chemistry

Dr. A.U. Kakde, Associate Professor in Environmental Science

Dr. P.A. Nagpure, Associate Professor in Physics

Photo Gallery



