



# Swa. Sawarkar Mahavidyalaya, Beed



## Internal Quality Assurance Cell

3. Research, Innovations and Extension

3.2.1: Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre.

**Science Forum** 





### B.S.P.S. Ambajogai

# Swa. Sawarkar Mahavidyalaya,Beed Science Forum committee Annual Report 2022-23

### Introduction

Science forum focuses on attracting students towards scientific and innovative activities as quest for excellence in science and technology will contribute to the overall development. In this regard, inspiration should be given to students to participate in scientific activities and make them aware about their role in such activities. Science forum provides platform which supports to ideas of students in science and technology.

### Objectives.

- 1. To provide an appropriate forum to the students/teachers to exchange their views and thoughts on science, Technology and environmental issues.
- 2. To interact with eminent scientists and environmentalists.
- 3. To organize science oriented activities.
- 4. To gather information on recent developments or trends in research in different fields of science and technology.
- 5. To promote multidisciplinary science approach.
- 6. To enhance involvement of students in research activities.

### **Standard Operating Procedure**

- 1. Annual action plan of the committee at the beginning of academic year.
- 2. Implementation of activities as per planning.
- 3. Guidance to students for participation in science related competitions, exhibitions etc.
- 4. Celebration of important days like National Science

Science Forum committee 2022-23





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Sr.No.	Name of teacher	Designation
1	Smt. Deshpande D. R.	In-charge Teacher
2	Dr. Kulkarni Vinod	Member
3	Shri. Naiknaware V.V	Member

### Annual planning of science forum

Sr. No.	Month	Planned Activities
1	September	Annual planning of activities
3	October	Participation in exhibitions, competitions, seminars etc.
4	January	Organization of college level quiz, M.C.Qs. competition etc.
5	February	Science Day celebration

### Science Day Celebration and C. V. Raman Lecture series

On occasion of National science day, two days C.V. Raman lecture series was organized on 28th February and 01st March 2022 in collaboration with Dr. Babasaheb Ambedkar Marathawada university, Aurangabad. Prof Dr. Mohammad Shaffiyoddin, scientist chandrayan mohim 2 and Associate professor in Dept. of physics, Miliya college, Beed was Resource person for First day session.Dr Mohammad Shaffiyoddin inaugurated lecture series with lightning of lamp and pratima pujan of Dr.C.V.Raman and veer Sawarkar. Wall papers of Physics Depart on occasion of science day were published by hands of Dr. Mohammad Shafiyoddin He delivered his lecture on Research and opportunities in Earth and planetary science. Smt Deshpande D.R.delivered introductory speech, Dr.Rupali Kulkarni introduced the Resource person and vice principal Dr.Laxmikant Bahegavankar delivered presidential speech and Shri Vishal Naiknaware conveyed Vote of thanks. Ku.Sanika Kulkarni,B.Sc.F.Y. student anchoedr this session. Dr. Prashant patil, Associate professor in Dept. of zoology, P.V.P. college, Patoda was invited as resource person for second day session. He delivered his lecture on Use of Researches of Indian scientists in daily life. Dr Vinod. Kulkarni delivered introductory speech and principal Dr. Preeti



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Pohekar delivered presidential speech. Smt Deshpande D.R. expressed vote of thanks. Ku. Sonali Kokate ,B.Sc.T.Y. student anchored this session.

Students from all discipline, staff members were present for lecture series.

Smt.Deshpande D.R.

In charge Teacher



Felicitation of Resource Person Dr. Mohammad Shafiyoddin

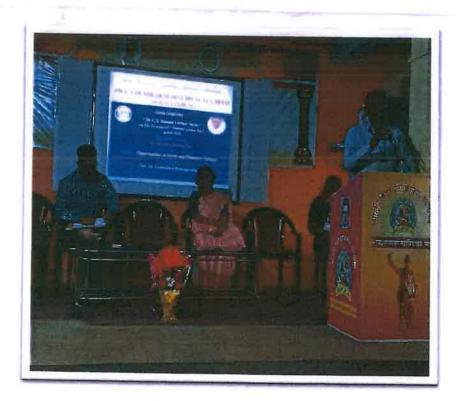








Guidance by Dr. Dhere R.M.

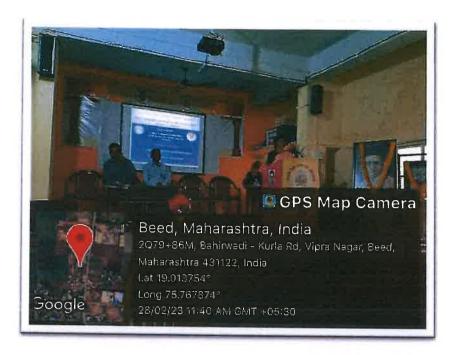


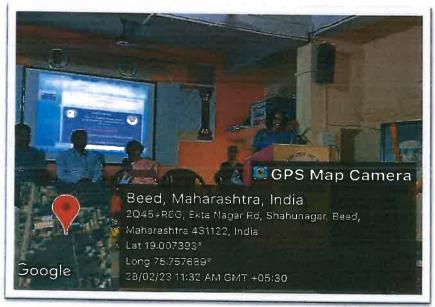
Guidance by Resource person Dr. Shafiyoddin





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Physics Dept.wall paper presentation



Felicitation of Resource person Dr. Prashant Patil





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Felicitation of Principal Dr. Preeti Pohekar



Science Forum Chairman Deshpande D.R. expressing vote of Thanks





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# Swa. Sawarkar Mahavidyalaya, Beed Academic year 2021-22 B.S.P.S.Ambajogai Science Forum

Science Day was celebrated in collaboaration with **Dept.of Physics** 

On 28th February 2023. Vice principal Dr. Laxmikant forum chairman Deshpande D.R. expressed vote Dr.Rupali Kulkarnianchored the function. Science function. Dr.Swati kulkarni guided the students. Bahegavankar worked as president of the of thanks





# Science Day celebration







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### Swa.Sawarkar Mahavidyalaya

### **Science Forum Committee**

### Annual Report 2020-21

### **Science Day Celebration**

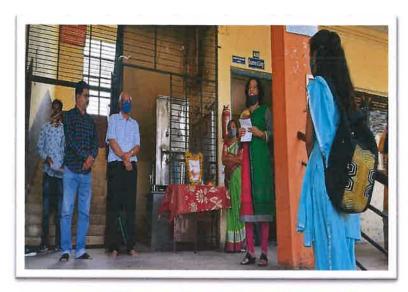
Science Day was celebrated in collaboration with Dept. of Physics. Due to Covid pandemic the day was celebrated by Pratima pujan. Dr.Rupali kulkarni introduced staff members and students about Raman effect and purpose behind organization of this special day. Dr.Shirodkar conveyed presidential message and Smt.Deshpande D.R. expressed vote of thanks.







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Science forum chairman Deshpande D.R. Felicitating H.O.D. Physics Dept.





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### Bhartiya Shikshan Prasarak Sanstha, Ambajogai Swa.Sawarkar Mahavidyalaya,Beed

### Science Forum

### Academic year 2019-20

Science forum focuses on attracting students towards scientific and innovative activities as quest for excellence in science and technology will contribute to the overall development. In this regard, inspiration should be given to students to participate in scientific activities and make them aware about their role in such activities. Science forum provides platform which supports to ideas of students in science and technology.

### **Objectives:**

- 1. To inculcate scientific temper among the students with various science activities.
- 2. Organization of activities competitions, science exhibitions etc. to inculcate curiosity amongst the students.
- 3. Organization of talks of eminent scientists or environmentalists.
- 4. To inspire students to participate in scientific exhibitions, poster presentation competition Workshops, seminars etc.

### Mode of action:

- 1. Annual action plan of the committee on beginning of academic year.
- 2. Implementation of activities as per planning.
- 3. Guidance for participation in science related competitions, exhibitions etc.

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### **Science Forum committee 2019-20**

Sr.No.	Name of teacher	Designation
1	Smt. Deshpande D. R.	In-charge Teacher
2	Dr. Kulkarni S.S.	Member
3	Dr. Kale S.R.	Member
4	Shri.Jadhav R.L.	Member

### Annual planning of science forum

Sr.No.	Month	Planned Activities
1	July	Annual planning of activities
2	August	Inauguration and Speech of eminent personality
3	September	Participation in exhibitions, competitions, seminars etc.
4	December	Organization of college level quiz, m.c.qs. competition
5	February	Science Day celebration

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### **Activities of science forum-Academic year 2019-20**

Sr.No.	Month	Planned activities	Action taken
1	July	Annual planning of activities	Meeting was held in between members of committee for Annual planning of activities
2	August	Inauguration and Speech of eminent personality	Inauguration of science forum by hands of environmentalist Dilipji kulkarni. on this occasion his speech on science and environment was organized on 16 th July 2019
3	September	Participation in exhibitions, competitions, seminars etc.	Students were informed and promoted by Committee members to participate in state level science exhibition.
4	February	Organization of college level quiz, M.C.Qs competition	A general science test was organized for science students on occasion of science day
5	February	Science Day celebration	Science Day was celebrated by 1 Organizing talk of Dr. Ramesh Gatkal, Dept. of Marathi swa. sawarkar mahavidyalaya on the topic "science and literature" 2. Publication of a wall paper by the students of second year Botany Dept. on the topic "Enzymes" 3. A general science test was organized for science students on occasion of science day.25 students were present for the test.

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### **Annual Report**

- 1 Inauguration of science forum by hands of environmentalist Dilipji kulkarni on 16<sup>th</sup> July 2019.On this occasion he delivered his speech on science and environment
- 2. Science Day Celebration: Science Day was celebrated in collaboration with Dept. of physics organizing talk of Dr. Ramesh Gatkal, Dept.of Marathi, swa. sawarkar mahavidyalaya on the topic "science and literature" Principal Dr. Sanjay Shirodkar President of function felicitated Dr. Ramesh Gatkal by offering sapling, science Forum incharge Smt.Deshpande D.R. delivered introductory speech, Dr. Rupali Kulkarni introduced Resource person Dr. Ramesh Gatkal. On this occasion Dept. of botany published a wall paper on the topic Enzymes.Dr. Ramesh Gatkal in his speech correlated science with literature effectively.Dr. Swati Kulkarni expressed vote of thanks. Science theme based Rangoli was made by girl students
- 2. Publication of a wall paper by the students of second year Botany Dept. on the topic "Enzymes"
- 3. A general science test was organized for science students on occasion of science day.25 students were present for the test.

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Swa.Sawarkar Mehavidyalaya Beed. Bhartiya Shikahan Prasarak Sanatha, Ambajogai. Swa. Sawarkar Mahavidyalaya, Beed Science Day Celebration On Occasion of Science Day- 28<sup>th</sup> February 2020

Organised by

	Science Club and Department of Physics			
SR.NO.	Name of the Student	Class	Sign	
()	Neha Anant Palange	BSCISY	Apatange.	
	Raut Sayali Kalyan.	B80.54.	Jayaci	
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4)	Kshirsagar Dipali shivdas	B.Sc Fy	Halis.k.	
	Rout Aarti motivam	B-SCSY	2d	
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7]	Deshmukh Snehal Satish	BSc. Fy	D44-	
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Attendance of Students in M.C.Qs Test

Date: 28<sup>th</sup> February 2020





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Resource Person Dr. Ramesh Gatkal Delivering Lecture



Dr. Rupali Kulkarni Introducing the resource person

Smt.Deshpande D.R.

**Chairman Science Forum** 

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### **SCIENCE FORUM**

### Academic Year 2018-2019

### Context:

Scientific studies have vital role in national development. Consistent introduction of inventions helps in the improvement of facilities and provides solutions for day to day problems. Innovative technologies have always attracted everyone. Contribution to the development of the nation is one of the goals of Bhartiya Shikshan Prasarak Sanstha, Ambajogai's Swa. Sawarkar Mahavidyalaya, Beed. As per core values laid by NAAC most of the significant developments that one can observe today can be attributed to the impact of Science and Technology. The advantages of using modern tools and technologies in the day-to-day-life are well recognized.

'Quest for Excellence' in science and technology will contribute to the overall development. At a time when our educational institutions are expected to perform as good as their global partners, significant technological innovations have to be adopted. Conscious effort is also needed to invest in hardware and to orient the faculty suitably.

In this regard, inspiration of student for achieving success in scientific activities and technology is essential. This is significant for making them aware about their active participation and role in scientific activities. Along with foreign inventions, it is essential to review and understand contribution of ancient and modern Indian workers and scientists in service of mankind. Consequently, introducing students to the challenges of internationally acceptable standards and environment protection is evident. Creativity by students may also leads to entrepreneurial approach through inventions to serve needs of common man. The platform 'Science Forum' is catering support to ideas of student in science and technology highly expected.

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### **Objectives:**

- 1. To imbibe importance of scientific temper among students and society through event organization and campaigning.
- 2. To run departmental news board for communication of current interesting happening and inventions in the subject.
- 3. Organization of activities like Science Exhibitions, Multiple Choice Question based competition to inculcate curiosity among students.
- 4. Participation in scientific exhibitions, poster presentation events, workshops, online courses, seminars and conferences.
- 5. Organization of talks of eminent scientists.
- 6. To undertake research projects at student level.
- 7. Orientation of students, teachers and society on advantages of adopting modern tools and technological innovations in the day-to-day-life.
- Mode of operands
- 1. Planning of activities at the start of the academic year.
- 2. Monitoring implementation of activities.
- 3. Formation of student committee to run the activities under the guidance of teacher.
- 4. Guidance for participation in Science related competitions such as Science Quiz.
- **5.** Attempts to make available financial and physical resources to nurture inventions by the students
- **6.** Provision of support for information and communication technology for online courses and studies.
- 7. Submission of report of the activities under Science Forum to the administration.

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### SCIENCE FORUM COMMITTEE Academic Year 2018-19

SI. No.	Name of the Teacher	Designation
1	Dr. Krishna Vasudevrao Bartakke	In-charge Teacher
2	Vice Principal Dr. Rajesh Marotrao Dhere	Member
3	Dr. Uttam Shankarrao Salve	Member
4	Mr. Hansraj Udhavrao Joshi Membe	
5	Smt. Rupali Balwantrao Kulkarni	Member
6	Mr. Bhargavram Chaudhary	Member
7	Dr. Vinod B. Kulkarni	Member

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### Annual Plan Academic Year 2018-19

SI. No.	Month	Planned Activities	
1	September	Formation of Student Committee and planning of activities	
2	December	Student participation in various scientific activities like	
		competitions, seminars, projects	
3	January	Organization of Educational Visit	
4	February	Organization of Science Exhibition at college level/ General	
		Science, Scientific Temper based MCQ Competition	
5	February	Science Day Celebration	

1. Formation of Student Committee to run the activities of Science Forum.

Student Committee- Science Forum (2018-19)

Stadent committee- Science Forum (2016-15)				
SI. No.	Name of the Student	Standar d	Representative member of the subject	Contact No.
1	Mr. Ganesh Dashrath Shinde	B.Sc. S.Y.	Computer Science	9146401725
2	Miss. Smita Mohan Shinde	B.Sc. S.Y.	Physics	8806731218
3	Mr. Pavan Navnath Raut	B.Sc. F.Y.	Botany	7083400781
4	Miss. Vaishnavi Shashikant Patki	B.Sc. S.Y.	Chemistry	8975515837
5	Miss. Pravin Dhuraji Gole	B.Sc. S.Y.	Zoology	9552715579
6	Miss. Deepali Vilas Thosar	B.Sc. F.Y.	Mathematics	7066597092
7	Mr. Rishikesh Kakasaheb Mote	B.Sc. S.Y.	Microbiology	8554816207

- Making available the facility for displaying current events/ innovations/ information of science related examinations/ discoveries as well as for orientation and awareness activities in science. The board will be run by the Student Committee of the Science Forum.
- Encouragement of students for participation in science related events viz. exhibitions, poster, essay, competitions and activities like seminars.
- Organization of Educational visit under Science Forum
- Encouragement of students to undertake small research projects.
- Organization of Invited Talk- Popular Lecture

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### 2. Student participation in various scientific activities

Sr. No.	Name of the activity	Number of student participants	Award
01	District level 'Avishkar' competition organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	05	Miss Smita Shinde (B.Sc. S.Y.)
02	University level 'Avishkar competition'	01 (Miss. Smita Shinde, B.Sc. S.Y.)	-
02	State level research paper presentation competition at Shiv Chhatrapati College Aurangabad	01	01
03	State level poster presentation competition at Milliya College, Beed	05	~
04	State level seminar on 'Recents Trends in Biotechnology' (17 <sup>th</sup> January 2019) Organized by Department of Microbiology, Kholeshwar Mahavidyalaya, Ambajogai	10	
	International Conference on 'Emerging Trends in Microbiological Science & IPR (7 <sup>th</sup> February 2019) Organized by Department of Microbiology, Milliya College, Beed	07	-

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Participation in Research Poster Presentation at International Conference on 'Emerging Trends in Microbiological Science & IPR' (7<sup>th</sup> February 2019) Organized by Department of Microbiology, Milliya College, Beed

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### 3. ORGANIZATION OF EDUCATIONAL VISITS

- i. National Center for Microbiological Resources (NCMR), Pune
- Ii. Biodiversity study of fishes in Mula river (Pune)
- Iii. Biodiversity study of plants at Tung, Lonavala





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# 4. Organization of General Science, Scientific Temper based MCQ Competition Science Cognizant 2019

26.02.2019 (01.30 pm)

List of participant students and Result

Sr. No.	Name of the student	Marks obtained out of	
		50	
1	Miss. Pooja Bhausaheb Sapkal	18	
2	Miss. Priti Sunil Bagul	27	
3	Mr Nikhil Gopal Jadhav	19	
4	Mr. Sumit Sunil Dhole	11	
5	Miss. Vaishnavi Shashikant Patki	27	
6	Mr. Pralhad Sumanth Bothe	16	
7	Miss. Deepali Thosar	24	
8	Miss. Pooja Pravin Rajapurkar	22	
9	Miss. Vaishnavi Sanjay Saraf	14	
10	Mr. Rameshwar Namdeo Lande	18	
11	Mr. Pradip Jalindar Naiwade	18	
12	Miss. Sujata Kakasaheb Dongare	19	
13	Miss. Anjali Dadarao Kale	20	
14	Mr. Ganesh Dashrath Shinde	21	
15	Miss. Sayali Kalyan Raut	25	
16	Miss. Janhavi Jayant Kulkarni 27		
17	Miss. Neha Anant Patange	25	
18	Miss. Aishwarya Pawan Gaikwad 11		
19	Mr. Rushikesh Kakasaheb Mote 33		
20	Miss. Saraswati Haribhau Sakine	20	
21	Miss. Vaishnavi Kishor Joshi	25	
22	Miss. Ashwini Kishor Joshi	17	
23	Miss. Siddhi Vinod Kulkarni	29	
24	Mr. Akshay Kishor Ubale	20	
25	Mr. Pavan Navnath Raut	26	
26	Miss. Anjali Ramesh Ghene	21	
27	Mr. Nikhil Tipale	31	
28	Mr. Pramod Madhukar Hirwe	16	
29	Mr. Kunal Digambar Koleshwar	31	
30	Miss. Smita Mohanrao Shinde	30	
31	Miss. Aboli Ajit Beedkar	27	
32	Miss. Deepali Bhausaheb Kale	23	
33	Misss. Mohini Rangnath Fulzalke	20	

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### Prize winners of the 'Science Cognizant' Competition

First Prize (Rs. 501/-) 1. Mr. Rushikesh Kakasaheb Mote (B.Sc. S.Y.)

Second Prize (Rs. 301/-) – i. Mr. Kunal Koleshwar (B.Sc. F.Y.) 2.

ii. Mr. Nikhil Tipale (B.Sc. T.Y.)

3. Third Prize (Rs. 201/-) Miss. Smita Mohanrao Shinde (B.Sc. S.Y.)





'Science Congnizant' Competition; Prize distribution Hon. Principal Dr. Sanjay Shirodkar, Vice Principla Dr. Laxmikant Bahegavnkar, Vice Principal Dr. Rajesh Dhere, Dr. Pradnya Maheshmalkar

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# 5. Science Day Celebration28<sup>TH</sup> February 2019





Dr. Pradnya Maheshmalkar delivering invited talk on the occasion of Science Day.

On the dias President of the event Principal Dr. Sanjay Shirodkar, Vice Principal Dr.

Laxmikant Bahegavankar, Vice Principal Dr. Rajesh Dhere and In charge teacher of Science Forum Dr. Krishna Bartakke

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### Activities Undertaken By Science Forum During Academic Year 2018-19

	During Academic Year 2018-19			
SI. No.	Month	Planned Activities	Action Taken	
1	September	Constitution of Student Committee and planning of activities	Along with the committee of teachers, the Student Committee was formed their active involvement in planning of activities.	
2	December	Participation in various competitions, seminars, projects	Student committee members and teachers actively promoted participation in activities such as 'Avishkar', Seminars, Projects, Paper/Poster presentations at University, State, National and International level	
3	January	Organization of Educational Visit	Educational visit was organized on 10 <sup>th</sup> and 11 <sup>th</sup> January 2019 1. National Centre for Microbial Resources, Pune 2. Biodiversity study at Lonawala 3. Fresh water fishes from Mulshi River, Pune.	
4	February	Organization of MCQ Competition	For creation of cognizance towards Science a MCQs test 'Science Cognizant' was organized on 26 <sup>th</sup> Feb. 2019. For observation of transparency in the process, four sets of question papers (A,B,C and D)were designed. Prizes to winners were distributed on the occasion of Science Day.	
5	February	Science Day Celebration	<ul> <li>Science Day was celebrated with</li> <li>the popular talks of Dr. Pradnya         Maheshmalkar (Contiibution of C.V.         Raman) and Dr. L.G. Bahegavankar         (Scienceism of Swa. Sawarkar)</li> <li>Exhibition of posters presented by         students at various events such as         Avishkar, Seminars and Conferences.</li> </ul>	

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