



**Under the Scheme of
Maharashtra Student
Innovation Challenge 2023**



Shri Shivaji Education Society Amravati's

Science College, Nagpur

Report on the College-level Students Innovation Challenge 2023

Under the Scheme of Maharashtra Student Innovation Challenge 2023

Session – 2023-24

Introduction:

The College-level Students Innovation Challenge 2023, held under the scheme of the Maharashtra Student Innovation Challenge 2023, was a remarkable event organized by the Shivaji Science Innovation Incubation Centre on **October 10, 2023**. The competition provided a platform for students to showcase their innovative ideas and solutions to a panel of esteemed judges, with the aim of fostering creativity and problem-solving skills among young talents.

Participants and Judges:

The competition saw enthusiastic participation, with a total of **42** innovative ideas submitted by registered students from various disciplines. The event was graced by the presence of **Dr. Shahin K. Sayyad**, Assistant Professor of the Department of Physics at Shri Shivaji Science College, Nagpur, who served as one of the judges. Dr. Sarang Dhote, the Incharge of the Innovation and Incubation Center, & Coordinator of Maharashtra Student Innovation Challenge 2023 was also actively involved in evaluating all presentations.

Selection Process:

To ensure fair assessment, all submitted ideas were evaluated as per the valuation scheme of the Maharashtra Student Innovation Challenge 2023. The judges considered various factors such as creativity, feasibility, potential impact, and presentation skills in their assessment. After a rigorous evaluation process, two ideas were selected to advance to the district-level competition. These ideas not only demonstrated exceptional innovation but also had the potential for practical implementation and positive societal impact.

Winning Ideas:

The following two ideas were selected to represent our college at the district-level competition:

Green Wave Shield - 1 - Presented by **Ms. Avanti Pusdekar**, this idea represents a pioneering effort in the development of an antiradiation cover derived from biological thin film sourced from nature's waste. By combining sustainable materials and innovative technology, this

initiative addresses the pressing issue of electromagnetic radiation exposure while contributing to a greener, more environmentally conscious future. **49.3** marks secured out of 50.

Eco Pen Harnessing Microbial PHAs for Greener Writing Tool 2 - Presented by **Soumya Sunil Yadav**, the idea presents an innovative and environmentally conscious approach to address a pressing global issue: waste management. This project explores a sustainable solution by converting microbial PHA polymer into a biodegradable pen. **42.5** marks secured out of 50.

Final Result

Both Ms. Avanti Pusdekar (B. Sc. VI) and Soumya Yadav (B. Sc II Sem), have emerged as winners from Nagpur District for the Maharashtra Students Innovation Challenge.

Action Taken:

The College-level Students Innovation Challenge 2023, conducted as part of the Maharashtra Student Innovation Challenge 2023, was a significant success. It provided a platform for students to showcase their innovative thinking and problem-solving abilities. The participation of Dr. Shahin K. Sayyad and Dr. Sarang Dhote as judges added credibility to the competition and ensured fair evaluation.

The two winning ideas chosen to represent our college at the district level have great potential, and we look forward to their progress in the subsequent rounds of the competition. This event exemplifies our commitment to promoting innovation and entrepreneurship among our students, and we anticipate even more ground-breaking ideas in the future.

We extend our gratitude to all the participants, judges, and organizers for making this event a success and for contributing to the culture of innovation at our college.



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Shri Shivaji Education Society Amravati's Science College Nagpur

Shivaji Science Innovation & Incubation Centre

Maharashtra Innovation Challenge Competition (College Level)

Date- 10/10/2023

Sr. No.	Name	Idea	Sign Of Student	
1	Safura Mirza	Casava plastic	Safura	29.3
2	Safura Mirza	E-commerce platform for kirana stores	Safura	13.2
3	Safura Mirza	A Smart Colorimeter	Safura	37.5
4	Sanjana Sadanand Jangade	E-waste management	Sanjana	32.2
5	Sakshi Mohite	Development of biodegradable polymer for chromatography	Sakshi	31.7
6	Kanchan Singh	Separation of toxic metal on bismuth nitrate using micellar chromatography	Kanchan	31.9
7	Sanika bokade	Robot vacuum cleaner	Bokade	27.5
8	Sanika bokade	Road from waste plastic	Bokade	21
9	Bhumika sushil shriwaw, Jiya A yadav & Rafiya Anjum sheikh	Biodegradable ink for banner printing.	Bhumika	22.5
10	Soumya Sunil Yadav	Eco Pen: Harnessing Microbial PHAs for Greener Writing Tools	Soumya	42.5
11	Bhumika sushil shriwaw, Jiya yadav & Rafiya Anjum Sheikh	**Pen the Change: How to Switch from Non-Biodegradable to Biodegradable Pens and Save the Environment**	Bhumika	36.1
12	Sakshi Mohite	Geo-Mapping of Toxic Metals in Spiked Water Samples using Micellar Chromatography for Environmental Monitoring.	Sakshi	31.2
13	SEJAL SANJAY BULKUNDE	SUSTAINABLE SYNTHESIS OF ZINC AND SILVER NANOPARTICLES FOR ECO-FRIENDLY MOUTHWASH.	Sejal	22.7
14	Sanika Bokade	SOD	Bokade	36.4
15	Sanika Bokade	Edu-M	Bokade	36.3
16	Sanika Bokade	Homely	Bokade	31
17	Sanika Bokade	Live Attendance	Bokade	29
18	Avanti pusdekar	Green Wave Shield	Avanti	44.3
19	Soumya Sunil Yadav	Proserve: Services At Your Fingertips	Soumya	36.9
20	Radha Somkuwar, Aparna Kurrewar, Divya Devikar	Craft board box for power-bank	Radha	22
21	Sajani Faddas	Camp facilities	Sajani	30.3
22	Grishma Vinod Ghaturlle	foldable emergency lamp	Grishma	237.2

Signature of Judge
Dr. Shahin Sayyed

Signature of MSIC Coordinator
Dr. Sarang Dhote

23	Sajani Faddas	Paper pens, etc	Sajani	27.7
24	Sajani Faddas	canva plastic	Sajani	21
25	Akansha Subhash Sangole	Women's safety app 'RAKSHAK'	Mangal	33.5
26	Vasu Purushottam Madekar	E-Waste Management	Vasudevan	27.7
27	Grishma Vinod Ghaturlle	Local Service management	Ghaturlle	13
28	SANA KHAN SAGIR KHAN	Computational Separation of toxic Metals from Spiked Environmental Samples using Reversed Phase Thin layer chromatography.	Samble	33
29	Vasu Purushottam Madekar	Craft powdered resilience: Transforming waste scrap boxes into Mini emergency Power Banks	Vasudevan	47.5
30	Payal N. Bopche	Plant extracted pharmacokinetic ingredient and it's physiological utility of Sida cordifolia	Bopche	27.1
31	Grishma Vinod Ghaturlle	Waste Master Notifier (WMN)	Ghaturlle	33
32	Shrutika Dilip Deotale , Unnati Umesh Kadu , Isha Suraj Jogani	New Lease on Life for Roadside plants.	Kadu	21
33	Grishma Vinod Ghaturlle	paper pen	Ghaturlle	23.5
34	Shrushti Dinesh Ninawe	The aim of this innovative idea to create a herbal soap with scrub performs both work it work as a scrub from one side and as a face soap from another side. It is totally based on herbal ingredients.	Shoushti	34.3
35	Shrushti Dinesh Ninawe	Creating a portable water purifier for kitchen sink wastewater	Shoushti	38.3
36	Khushi Somkuwar	Chemix puzzle : Innovating chemistry education with interactive jigsaw blocks for memorable chemical reactions	Khushi	35.5
37	Khushi Somkuwar	wake up Alert during long drive	Khushi	21
38	Shrutika Dilip Deotale , Unnati Umesh Kadu , Isha Suraj Jogani	Best Metal Water Analysis	Isha Kadu	31
39	Sanjana Sadanand Jangade	E-Commerce Platform for smart phone for chemical analysis of water	Jangade	12
40	Shrushti Dinesh Ninawe	Energy from bacteria.	Shoushti	28.5
41	Shrutika Dilip Deotale , Isha Suraj Jogani , Unnati Umesh Kadu	Energy from bacteria.	Isha Kadu	27
42	Grishma vinod Ghaturlle	smart phone application for collection (E-wave)	Ghaturlle	23

Signature of Judge
Shahin Sayyed

Signature of MSIC Coordinator
Dr. Sarang Dhote

10/10/23

Shri Shivaji Education Society Amravati's Science College Nagpur
 Shivaji Science Innovation & Incubation Centre
 Maharashtra Innovation Challenge Competition (College Level)
 Date- 10/10/2023

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3	Safura Mirza	A Smart Colorimeter	37.5
4	Sanjana Sadanand Jangade	E-waste management	32.2
5	Sakshi Mohite		17
6	Kanchan Singh		31.9
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8	Sanika bokade		21
9	Bhumika sushil shriwaw , Jya A yadav & Rafiya Anjum sheikh		22.5
10	Soumya Sunil Yadav	Eco Pen: Harnessing Microbial PivAs for Greener Writing Tools	42.5
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Sign of Judge
 Dr. Shahin K. Sayyed

Sign of MSIC Coordinator
 Dr. Sarang S. Dhote

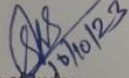
Shri Shivaji Education Society Amravati's Science College Nagpur


Shivaji Science Innovation & Incubation Centre

Maharashtra Innovation Challenge Competition (College Level)

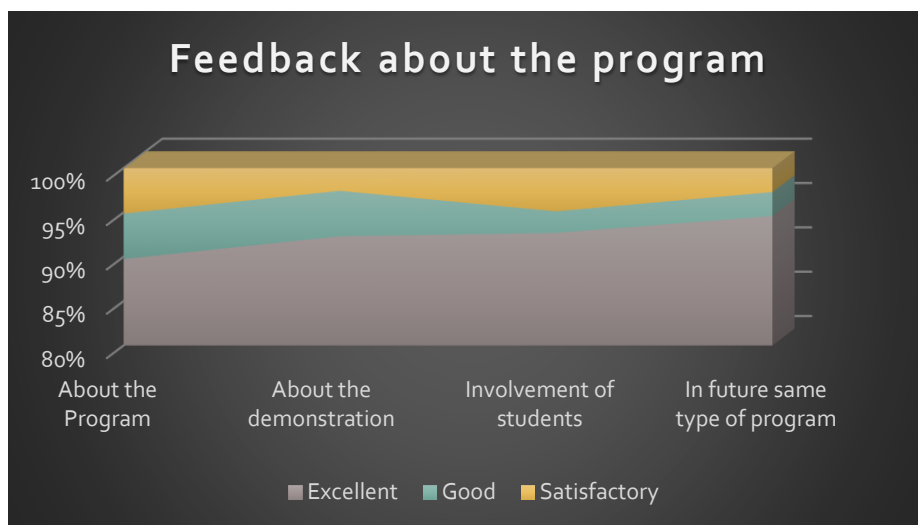
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Sign of Judge
Dr. Shahin K. Sayyed


Sign of MSIC Coordinator
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Feedback



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