

Shri R.L.T. College of Science, Akola



Report

**Avishkar Research Convention
2023-24**



Shri R.L.T. College of Science, Akola

Avishkar Research Convention 2023-24

Report

Avishkar Research Convention is the platform for developing research culture and scientific temper among the students, scholars, and teachers from undergraduate to doctoral level. It will also help to develop skills and review new dimensions of explored areas of knowledge and unexplored areas of inquiry. The Avishkar coordinator of the college Dr. Rashmi P. Joshi and District Coordinator Dr. P. T. Agrawal successfully organized the college-level and district-level Competitions. The event was successful with the overwhelming response of the students in all categories and levels, under the guidance of Dr V. D. Nanoty, Principal of the college. This ignites the curious minds of the students to propose their ideas and develop the skill to convert them into research proposals.

There were two rounds for the convention:

- 1) Selection Round (District Level)
- 2) Final Round (University Level).

In the selection procedure at the college level from each category, 21 participants were registered for their participation at District Level. For this process, the students were informed through Notices and guidelines well before.

NOTICE

AVISHKAR RESEARCH CONVENTION 2023-24

All teaching staff members are hereby informed that all the departments (Staff members) are requested to send entries immediately for Avishkar Research Convention 2023-24 to Dr. Rashmi P. Joshi (Sawalkar). There will be a Presentation round for district-level Avishkar. Staff members are requested to give the names of students with their topics and categories as soon as possible. College-level selection will be on 16/12/2023 at 12:30 p.m. All the students should be ready with their presentations and models on the given date and time. Kindly Note.

Category & Level:


Students of the University are allowed to participate in any of the following category irrespective of their own discipline / programme / course-


Categories
Category 1: Humanities, Languages and Fine Arts
Category 2: Commerce, Management and Law
Category 3: Pure Sciences
Category 4: Agriculture and Animal Husbandry
Category 5: Engineering and Technology
Category 6: Medicine and Pharmacy


The students can participate in any of the above categories in the following levels wherefit eligible-

Levels
Level 1: Undergraduate Students (UG)
Level 2: Postgraduate Students (PG)
Level 3: Post PG Students (PPG)

Date: 05/12/2023


Co-ordinator


District Coordinator


Principal
Shri R.L.T. College of Science
Civil Lines, AKOLA (M.S.)

Dr. Rashmi Sawalkar (Joshi)
Assistant Professor
Department of Zoology
Shri R.L.T. College of Science, AKOLA

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
AVISHKAR- an Intercollegiate Research Festival (2023-24)

List of students selected for District Level AVISHKAR- 2023 competition

Level	PG	Category	Humanities, Language, and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Ku Shrutika G. Deshpande	MSc II	Mandala Art
2	Ku Prajakta Parate	MSc II	Art of Naturalistic
Level	PG	Category	Commerce, Management, and Law
Sr. No	Name of Students	Class/Batch	Topic
3	Ku Radhika S. Rajote	MSc II	Survey on Unlocking the Power of AI
4 ●	---		
Level	PG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
5	Ku Poonam Bais	MSc II	Preparation of Insulating material from Banana peel and waste.
6	Prathamesh Honale	MSc I	Organic Dairy Farm.
Level	PG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
7	Ku. Achal More	MSc II	Use of anthocyanin pigment as a pH indicator in microbiological media.
8 ●	---		
Level	PG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
9	Ku Aishwarya Pathak	MSc II	TDS of the water management system.
10	Ku Dipali Karale	MSc II	Innovative, Efficient, and Sustainable Solar Charging Stations.

List of students selected for University Level AVISHKAR -2023 Competition, who can directly participate in the University

Level	PG	Category	Engineering and Technology
Sr. No	Name of Students	Class/Batch	Topic
11	Ku Mamta R. Gayane & Ku Pallavi D. Janorkar	MSc II	Smart Parking System
12	Ku Preeti D. Dhole Ku Shrutika Deshpande	MSc II	

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
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List of students selected for District Level AVISHKAR- 2023 competition

Level	UG	Category	Humanities, Language, and Fine Arts
Sr. No	Name of Students	Class	
1	Ku. Vaishnavi Manekar	BSc II	Social Media – Double-Edged Sword
2	Ku Ishika Gawande	BSc II	Women Hygiene and Sanitation
Level	UG	Category	Commerce, Management, and Law
Sr. No	Name of Students	Class/Batch	Topic
3	Ku. Prerna Tayade	BSc I	Solid Waste Management and commercial development.
4 ●	---		---
Level	UG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
5	Ku Rutika Bonde	BSc III	Use of Aquarium water in Hydroponics
6 ●	---		---
Level	UG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
7	Ku Mrunmayi Galphade	BSc III	Indian Tradition and Healthy Lifestyle.
8	Ku Tejasvini Sagerkar	BSc III	PCOD and its Cure
Level	UG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
9	Ku Nidhi Pathak	BSc II	Synthesis of Stannic Oxide (SnO ₂) for Humidity Sensing application.
10	Yash Vijay Nimbalkar	BSc II	Water Quality Detector: Provision for Public Welfare

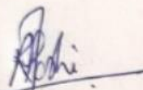
List of students selected for University Level AVISHKAR-2023 Competition, who can directly participate in the University

Level	UG	Category	Engineering and Technology
Sr. No	Name of Students	Class/Batch	Topic
1 ●	---		
2 ●	---		

List of students selected for District Level AVISHKAR- 2023 competition from PPG Level

Level	PPG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
1	Ku Kalpana Kalinge		

Level	PPG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
1 2	Ku. Leena Donge Khadkumbe madam.		Human Microbiome.

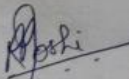

Avishkar Coordinator

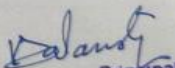

Principal

For the 2nd round: The district-level competition was hosted by our institute, Shri R.L.T College of Science, Akola on 20/12/23 which was well planned and organized. A total of 80 posters and models from all the categories from the different colleges of Akola district. All the 21 participants registered from the college presented at the district level. Out of 21, 15 participants were selected for the 2nd round at university level.

Shri R.L.T.College of Science, Akola
AVISHKAR- 2023- Research Convention
District level Selection list of students

Sr. No.	Name of Students	Level (UG/PG/PPG)	Category	Topic Name	Name of Supervisor
1	Ishika A. Gawande	UG	Humanities, Language, and Fine Arts	Empower Her	Dr. Rashmi Joshi
2	Vaishnavi O. Manekar	UG	Humanities, Language, and Fine Arts	Social Media – Double-Edged Sword	Dr. Rashmi Joshi
3	Vidhi R. Pathak	UG	Pure Sciences	Synthesis of Stannic Oxide (SnO ₂) for Humidity Sensing application.	Dr. R.M. Agrawal
4	Mrunmayee V. Galphade	UG	Medicine and Pharma	Indian Tradition and Healthy Lifestyle.	Dr. H. S. Malpani
1	Prajakta U. Parate	PG	Humanities, Language, and Fine Arts	Art of Naturalistic	Dr. R. Ghayalkar
2	Shrutika G. Deshpande	PG	Humanities, Language, and Fine Arts	Mandala Art	Dr. R. Ghayalkar
3	Radhika S. Rajote	PG	Commerce, Management, and Law	Survey on Unlocking the Power of AI	Dr. S. Tadam
4	Poonam A. Bais	PG	Agriculture and Animal Husbandry	Preparation of Insulating material from Bananapeel and waste.	Mr. S. Madavi
5	Achal A. More	PG	Medicine and Pharmacy	Use of anthocyanin pigment as a pH indicator in microbiological media.	Mrs. S. Gawande
6	Aishvarya Pathak	PG	Pure Science	TDS of the water management system.	Dr. S.L. Munde
7	Dipali S. Karale	PG	Pure Science	Innovative, Efficient, and Sustainable Solar Charging Stations	Dr. P.T. Agrawal
8	Ku Mamta R. Gayane & Ku Pallavi D. Janorkar	PG	Engineering and Technology	Smart Parking System	Dr. R. Ghayalkar
9	Ku Preeti D. Dhole Ku Shrutika Deshpande	PG	Engineering and Technology	Temperature and Humidity Detection	Dr. R. Ghayalkar
1	Mrs. Vaishali Khodkumbhe	PPG	Medicine and Pharmacy		Dr. P.T. Agrawal

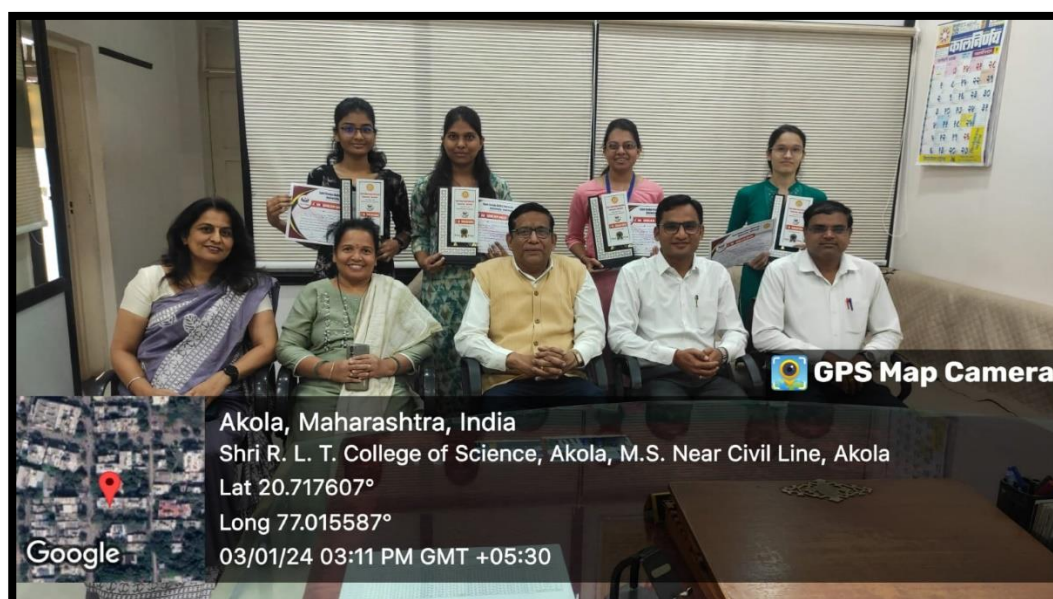

 Avishkar Coordinator


 Principal
 Shri R.L.T. College of Science
 Civil Lines, AKOLA (M.S.)



For the final round of selection, the competition was scheduled at the University level on the 26th and 27th of December. On the first day of the competition, all 15 participants presented their Models and Posters, and from these students, the 7 participants got shortlisted for podium presentation on 27/12/23. In podium presentations of shortlisted students from our college 4 participants were the winners of the State Level competition which was scheduled at Nashik University from 12th -15th of January 2024. It is a proud moment for the college and Mother Society that in Avishkar 2023-24 the 4 winners are the Colour Holders. The Participants who will represent the university at the State Level are as follows:

Sr. no.	Name of Student	Category	Level	Position
1	Ku Ishika A Gawande	Humanities Languages and Fine Arts.	UG	1st winner
2	Ku Vaishnavi O. Manekar	Humanities Languages and Fine Arts.	UG	3 rd winner
3	Ku Mrunmayee V. Galphade	Medicine and Pharma	UG	3 rd winner
4	Ku Aishwarya Pathak	Pure Sciences	PG	3 rd winner



Avishkar Coordinator
Dr. Rashmi Sawalkar (Joshi)
 Assistant Professor
 Department of Zoology
 Shri R.L.T. College of Science, AKOLA

Principal

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Civil Lines, AKOLA (M.S.)