

**Shankarlal Khandelwal Arts, Science and
Commerce College, Akola (M.S.)**

Avishkar Convention Report

2023-24

Avishkar research convention is the platform for development of research culture and scientific temper among the students, scholars from undergraduate to doctoral level. An objective of this competition is to inculcate the research culture among the students and encourage them further to convert their ideas into physical reality.

Following were the categories and levels at which students were allowed to participate.

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 where fit eligible-

Levels:

Level 1: Undergraduate Students (UG)

Level 2: Postgraduate Students (PG)

Level 3: Post PG Students (PPG)

Areas Covered under each Category

Category 1: Humanities, Languages and Fine Arts

It covers research areas like arts, languages, literature, social sciences, fine arts, journalism, mass media, education, physical education, performing arts, library sciences, humanities and other related fields which are of social interest like agricultural extension, preventive medicine and veterinary sciences, etc. However, technical innovations for the benefit of society cannot be a part of this category.

Category 2: Commerce, Management and Law

It covers research areas like commerce, accountancy, management, finance, banking and insurance, law and other fields where these disciplines are applicable.

Category 3: Pure Sciences

It covers areas like all basic sciences, soil sciences, home sciences and other fields like biotechnology, microbiology, environmental sciences, life sciences, biochemistry, biophysics, bioinformatics, bioanalytical, etc.

Category 4: Agriculture and Animal Husbandry

It covers areas like horticulture, agriculture, agronomy, entomology, fisheries,

animal husbandry and other fields like biotechnology, microbiology, biophysics, biochemistry, bioanalytical chemistry, etc. where agricultural and animal husbandry aspects are covered.

Category 5: Engineering and Technology

It covers all branches of engineering and technology. It also includes computer science, information technology, data sciences, agricultural engineering, food technology, dairy technology, biophysics, biomedical and biosensor, etc. where engineering and technology aspects are covered.

Category 6: Medicine and Pharmacy

It covers all branches of medicine and pharmacy. It also includes veterinary medicine, preventive medicine, epidemiology, clinical studies, etc.

Ten College Student Projects participated at District level Avishkar Research Convention 2023-24 on 20/12/2023. Out of which 9 projects were selected for University Level.

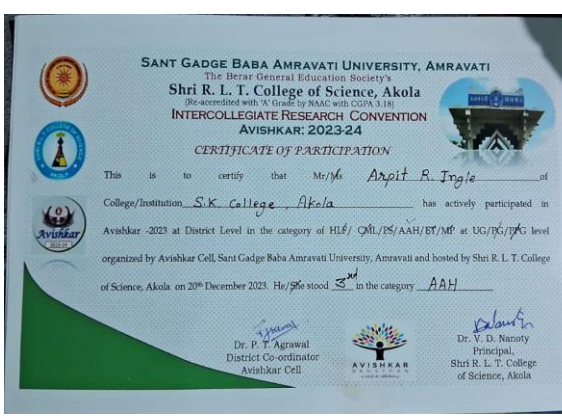
Sr. No.	Name of the Project	Names of participant(s)	Name of Guide	Level	Category	District-level winner and selected for university level
1.	Accident detection system and emergency medical services	Sarthak Thakare	Dr. D. H. Pethkar	UG	ET	Yes
2.	Management of Biometric EVM	Aishwarya Gawande	Dr. N. R. Surdkar	UG	CML	Yes
3.	To improve mobility of vehicles using magnetic field	Neha Tere	Dr. S. K. Devade	UG	ET	No
4.	Engine running on calcium carbide	Pratik Nikhade	Mr. R.K. Shirsat	UG	PS	Yes
5.	Electricity generation from parthenium	Arpit Ingale	Mr. R.K. Shirsat	UG	AAH	Yes
6.	Saline level Monitoring System	Saloni Jaiswal Kanchan Gajghate	Dr. Nisha Warade	UG	MP	Yes
7.	Azolla: Controlling the rate of evaporation in farm pond and it's other benefits	Mandar Pradip Joshi	Dr. M.O.Malpani	PG	AAH	Yes
8.	QR-code generator	Vaishnavi Tekade., Roshani Tekade	Ms. Priya Waghmare	PG	ET	Yes
9.	Vaigyanik Drishtikonatun Garbha Sanskaranche Balkachya Janm Purv Wadh V Vikasa Madhil Yogdan	Jayshree Traymbakrao Katre	Dr. Sandhya A.Kale	PPG	HLF	Yes
10.	Automated SILAR Controlled Machine for the deposition of thin/thick films	Farhan Ahmad Abdul Mateen	Dr. Sanjay K. Devade	PPG	Pure Science	Yes

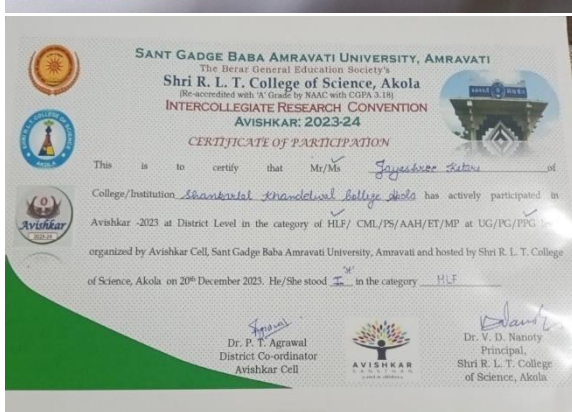
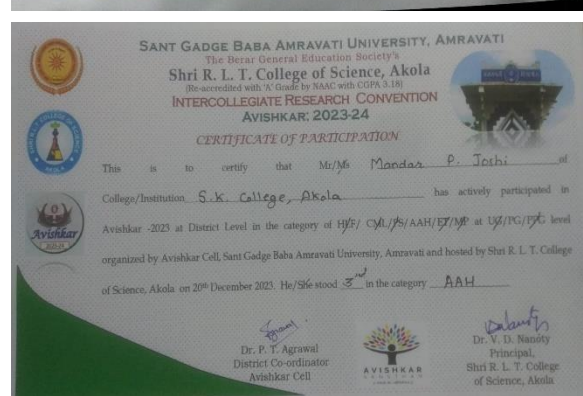
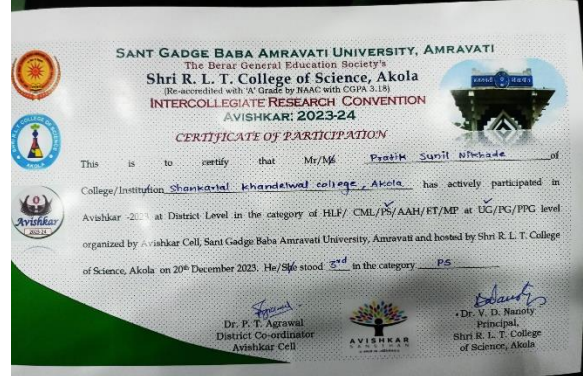
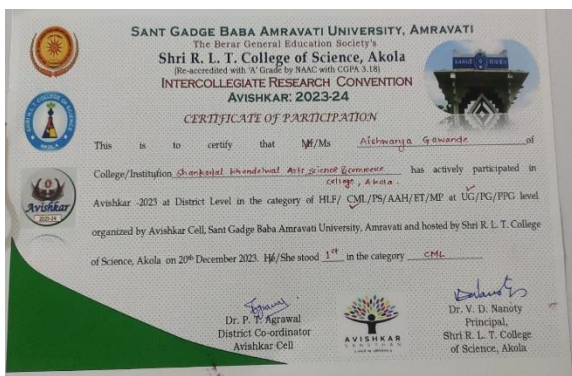
University level Avishkar Research Convention 2023-24 was organized on 26 & 27/12/2023. Nine projects were participated at University level and out of which two projects were selected for State level Avishkar competition.

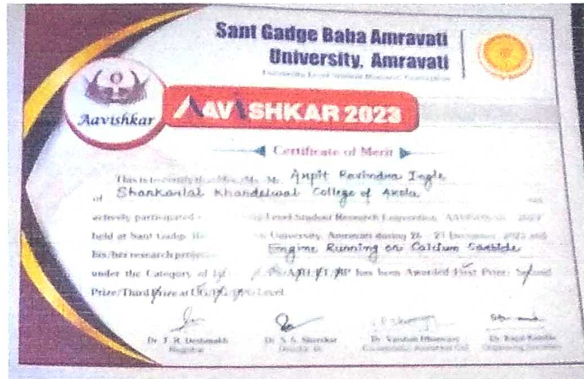
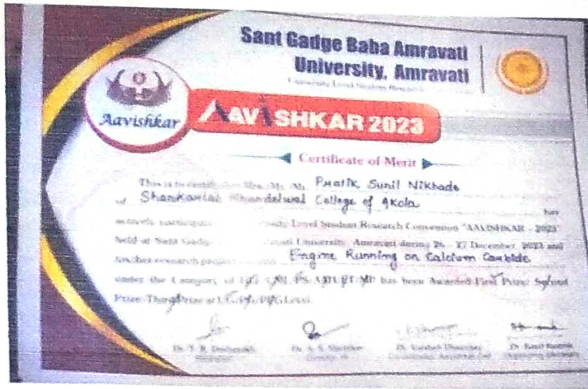
The following students were selected at the University level competition (colour code holders) and participated in the State Level Competition from 12-15 January 2024 at MUHS, Nasik.

Sr. No.	Name of the Project	Names of participant(s)	Level	Category	University-level winner and selected for state level
1.	Management of Biometric EVM	Aishwarya Gawande	UG	CML	Yes
2.	Acetylene gas: A promising alternative to fuel for Vehicle engine.	Pratik Nikhade	UG	PS	Yes

Certificate of the participants:







R. P. Rewaskar
R. P. Rewaskar

Coordinator: Avishkar 2023-24

Dr. J. M. Saboo
Dr. J. M. Saboo
Principal
Principal
Shankarlal Khandelwal Arts, Science & Commerce College, AKOLA, (M.S.)