

**Shri Shivaji Education Society Amravati's**  
**SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA.**  
**DEPARTMENT OF GEOLOGY & GEOINFORMATICS**

**Departmental Profile**

**VISION OF THE INSTITUTE**

“Excellence in higher education, empowerment through knowledge, inclusive growth for socio-economic change and sustainable development”

**MOTTO**

“To Enlighten Minds of poor and needy Students with all might”

**OBJECTIVES OF THE DEPARTMENT**

- To prepare a human resource well acquainted in diverse fields of Geology.
- To make them ready to accept challenges of further study in Geology or self employment according to their choice.
- The Post graduate course of Geoinformatics is introduced with intention to provide human resource ready with the knowledge of Remote Sensing, GPS and GIS, having application in fields like Geology, Hydrology, Urban Planning, Watershed Management, Agriculture, forestry & life Sciences etc.

**ESTABLISHMENT OF THE DEPARTMENT**

- UG- 1983
- PG (M.Sc. Geoinformatics)- 2008 (Self-financed)

**INTAKE CAPACITY**

- UG – 40
- PG – 20

**COURSES OFFERED**

Sr. No.	Programme	Type	Scope
1	B.Sc. Geology	Semester	Geology is study of Earth. It deals with study of its minerals, rocks. Determination of its age, origin. Study of fossils, Natural resources like minerals, Groundwater, Natural oil and gas. Study of natural hazards, methods of their monitoring and mitigation.
2	M.Sc. Geoinformatics	(CBCS) Semester	Geoinformatics is study of the technique to collect the locational data of geography, geosciences, agriculture, climate change, telecommunication, biodiversity conservation etc. Then Interpretation of data to solve the related problem.

## FACULTY MEMBERS

Name	Qualification	Designation	Specialization	Teaching & Research Experience
Mr. G.D. Gaikwad	M.Sc. SET (Geology)	Assistant Professor & Head	Hydrogeochemistry, Petrology, GIS & Remote Sensing.	10 Years
Mr. M.D. Phalke	M.Sc. SET (Geology)	Assistant Professor	Hydrogeology, Geophysics, Petrology.	04 Years
Mr. P.M. Giri	M.Sc. NET, SET (Geology)	Assistant Professor	GIS, Petrology & Hydrology.	04 Years

Mr. P.R. Pali	M.Sc. Geoinformatics	Asst. Professor (Ad-hoc)	Geoinformatics	06 Years
Ms. P.K. Gopnarayan	M.Sc. Geoinformatics	Asst. Professor (Ad-hoc)	Geoinformatics	--
Mr. R.V. Tayade	M.Sc. Geoinformatics	Asst. Professor (Ad-hoc)	Geoinformatics	--
Mr. A.P. Bhawane	M.Sc. Geology	Asst. Professor (CHB)	Geology	--
Mr. A. A. Karande	M.Sc. Geoinformatics	Asst. Professor (CHB)	Geology	--

## SUPPORTIVE STAFF

Name	Qualification	Designation	No. of Years of Experience
Shri J. S. Thokal	M.A.(Political Science)	Laboratory Attendant	28 years

## INFRASTRUCTURAL FACILITIES:

- 1.Three well equipped separate laboratories for PG and UG.
2. Large number of Rock, Mineral/ Ores and Fossils specimens.
3. Wooden and Crystal Models.
4. Thin Section of Rocks and Minerals;
5. Petrological microscopes
- 6.Steroscopes, Brunton Compass and Clinometer compass
- 7.Toposheets and Maps of SOI, Aerial Photographs and satellite imageries
- 8.About 16 PCs and 01 High Speed internet Server
9. 04-Printers & 01-Scanners
- 10.Arc GIS and ENVI Software
11. Global Positioning System (GPS)
12. 02 LCD Projectors
13. 02-Visual image interpretation tracing Table with light, etc.

**Faculty members participated in National and International Conferences / Workshops / Seminars etc.**

**Mr. G. D. Gaikwad**

<b>Sr. No.</b>	<b>Name of seminar/conference</b>	<b>Participation/ Paper presentation</b>	<b>Place of conference</b>
1.	International Conference on “ <b>Innovative Research Trends in Life Sciences (IRTILS-2020)</b> ”	Presented	Shri Shivaji College of Arts , Commerce and Science, Akola
2.	National conference on “ <b>Recent advances in Physical and Mathematical Sciences</b> ”	Participation	Shri Shivaji College of Arts , Commerce and Science, Akola
3.	National Conference on “ <b>Advances in Environmental Science and Geospatial Technology (AESGT-2018)</b> ”.	Presented	School of Environmental and Earth Sciences, North Maharashtra University, Jalgaon.
4.	National Conference on “ <b>Multidisciplinary Research in Geoenvironmental studies for Sustainable Development (MRGESSD-2017)</b> ”	Presented	School of <i>Earth Sciences</i> , Solapur University, Solapur.
5.	International Workshop on “ <b>Applications of Remote Sensing and Geographical Information System</b> ” (ARSGIS - 2016).	Participation	School of Earth Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
6.	National Seminar on“ <b>Environ Geological and Geophysical Aspects: South East Deccan Traps (ENGAGE-2015)</b> ”	Presented	School of Earth Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
7.	National Conference on “XXV Indian Colloquium on “ <b>Micropalaeontgy&amp; Stratigraphy</b> ”.	Participation	Organized by Department of Geology, Govt. Institute of Science, Aurangabad.
8.	One week short term Training Programme on “ <b>GIS, GPS &amp; VES</b> ” (GGV-2015)	Presented	Dept of Civil Engineering, DIEMS, Dept of Geology, Deogiri college Aurangabad.
9.	National Conference on “ <b>Climate Change: Past, Present and Future</b> ”	Presented	Department of Geology, Poona College, Pune.
10	National Conference on “ <b>Groundwater Management and Assessment in Deccan Basaltic Terrain</b> ”.	Presented	Department of Geology, Deogiri College, Aurangabad.
11	National Seminar on “ <b>Recent Trends in Geochemical Environmental Aspects of the Mineralization in Kadapa Basin</b> ” ,	Participation	Loyola Degree College, (YSSR), Pulivendulu, YSR District, Andhra Pradesh.

12	International Conference on “ <b>Environ. Earth Science, Accomplishments, Plans and Challenges</b> ”	Participation	Department of Geology and Applied Geology, Madras University of Madras
13	International Workshop on “ <b>Environmental Awareness Need of Hour</b> ”	Participation	Glores Institute of Research and Academic Foundation (GIRAF), Sholapur
14	National Workshop on “ <b>An Integrated Geoscientific Approach D2D-2013,</b>	Participation	Swami Ramanand Teerth Marathwada University, Nanded
15	National Workshop on “ <b>Challenges and Opportunities in Environmental Pollution and Health</b> ”	Presented	North Maharashtra University, Jalgaon.
16	National Conference on “ <b>Watershed Management for Sustainable Developments</b> ”	Presented	Shri Shivaji Science college, Amravati
17	National Workshop on “ <b>Watershed Management :Future career Opportunities</b> ”	Participation	Shri Shivaji Science college, Amravati
18	International Conference on “ <b>Fifth International Groundwater Conference (IGWC-2012)</b> ”	Presented	Maulana Azad College, Aurangabad.
19	International Workshop on “ <b>Risk-Based Subsurface Environmental and Sustainable Remediation</b> ”,	Presented	Swami Ramanand Teerth Marathwada University, Nanded.
20	International Lecture Series on “ <b>Risk-Analysis and Sustainable Remediation of Environmental Resources</b> ”	Participation	Govt. Institute of Science, Aurangabad.
21	National Conference on “ <b>Environmental Surveillance For Natural Resource Management</b> ”	Presented	School of Environmental and Earth Sciences, North Maharashtra University, Jalgaon.
22	National Seminar on “ <b>Environmental Pollution and Remedies</b> ”	Presented	DeogiriCollege, Aurangabad
23	National Conference on “ <b>Recent Developments in Geology, Mineral and Groundwater Resources of India</b> ”	Participation	Department of Geology, Govt. Institute of Science, Aurangabad and Gondwana Geological Society, Nagpur

24	National Seminar on <b>“Groundwater Recharge, Quality and Auditing in Hard Rock”</b>	Participation	Deogiri College, Aurangabad
25	State level seminar on <b>“Recharge, Retention &amp; Transmission of water below the groundwater through water conservation structures”</b>	Participation	Deogiri College, Aurangabad

### Mr. M. D. Phalke

Sr. No	Name of seminar/conference	Participation/ Paper presentation	Place of conference
1.	One day International Conference on <b>“Role of Earth Science in Modern Time”</b> in 2015.	Participation	Shri Shivaji Science College Akola
2.	National Seminar on <b>“Emerging Trends in Geosciences”</b> in 2015.	Participation	Dept. of Geology Osmania University Hyderabad
3.	Hutton India Conference 2016 on the Origins of Granites of India & <b>“Present is Key to the Past”</b> evidences from Indian Geological formations.	Participation	Badruka College Hyderabad.
4.	National conference on <b>“Recent advances in Physical and Mathematical Sciences”</b>	Participation	Shri Shivaji College of Arts , Commerce and Science, Akola
5.	One day workshop on <b>“Jalvyavsthapan Va Bhartatil Nadya jod Prakalp”</b>	Participation	Deogiri College, Aurangabad

### Mr. P.M.Giri

Sr. No	Name of seminar/conference	Participation/ Paper presentation	Place of conference
1.	International Conference on <b>“Recent Perspective on Climate Change and Sustainable. Development.” (RPCSD-2019)</b>	Participation	Centre for Climate Change & Water Research, SGVU, Jaipur. During
2.	International Online Conference on <b>“Current Priorities and Challenges in Earth &amp; Environmental Science.” (CPCEES 2020)</b>	Participation	Department of Geology, Periyar University, Dharmपुरi, Tamilnadu, India