



Sri Venkateswara University
Tirupati

DEPARTMENT OF GEOLOGY



Semester – III	Sl.No	TITLE OF THE PAPER	Semester –IV	Sl.No	TITLE OF THE PAPER
	1.	Metamorphic Petrology		1.	Hydrogeology and Engineering Geology
	2.	Economic Geology and Mineral Economics		2.	Mineral Exploration and Ore Beneficiation
	3.	Watershed Management		3.	Mining Geology
		Photogrammetry			Digital Image Processing
	4.	Dimensional stones and Construction materials		4.	Water Resources Management
		Metamorphic Petrology, Economic Geology and Mineral Economics & Watershed Management / Photogrammetry / Dimensional stones and Construction materials			Hydrogeology and Engineering Geology, Mineral Exploration and Ore Beneficiation & Mining Geology / Digital Image Processing / Water Resources Management
	5.	Surveying and Field Geology		5.	Environmental Impact Assessment and Management/ Project Work
	6.	Surveying and Field Geology		6.	Geological Field Survey and Training Programme
	7.	Geological Field Survey and Training Programme		7.	Fuel Geology
	8.	Earth System Processes			Natural hazards and Disaster Management
		Medical Geology			

STUDENTS PROGRESSION AND PLACEMENTS:

The department has been a consistent choice for employers from the Government and Private, Sectors. Some of the organizations where our students are working. The public sector employers are Geological Survey of India, Central Groundwater Board, Atomic Mineral Division, Oil and Natural Gas Commission, Hindustan Zinc Ltd., Coal India Ltd., National Mineral Development Corporation, APSRAC, and Department of Mines and Geology, State Groundwater Boards of various states. In addition to these public sectors, our students are also intruded in various Private sectors like Iron ore, Cement, and in decorative stone companies. Some of our students are working in various consultancies related to Remote sensing & GIS.

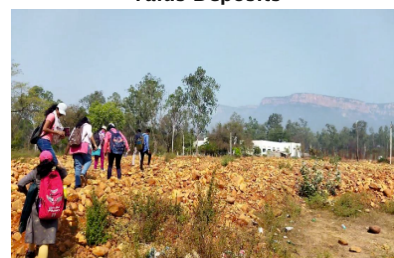
Inspire Internship Science Camp



Earth day celebrations



Talus Deposits



Geology Museum



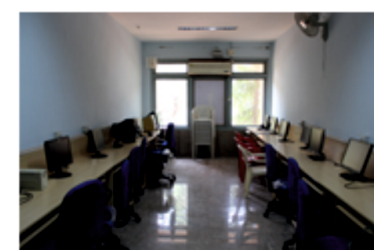
Instrumentation Lab.



Geochemical Lab.



Mineralogy Lab.



Computer Lab.



Remote Sensing Lab.

VISION

- To establish a premier professional department to offer best quality of teaching and research programmes in the field of Earth Sciences.
- To produce the students who can excel and become competent geologists to serve the national and international Earth Science organizations/Institutions.
- To start full-fledged consultancy in the department, to extend the scientific advice in the field of Earth Resources, their evaluation, management and related problems.

MISSION:

- To develop critical thinking, enthusiasm, initiative and the necessary skills to become lifelong students of Earth Sciences in each student.
- Emphasis will be placed on learning basic concepts and techniques through research, in an environment that promotes the development of professionals with social, cultural and humanistic sensibility as well as profound ethical values.
- Educate engineers in the geological concepts integral to competent engineering practices.
- We prepare students to understand and safely manage Earth and its resources for the future.

ABOUT THE DEPARTMENT

The department of Geology was established in 1959 under the stewardship of Late Dr. M.G. Chakrapani Naidu, Founder Professor and Head, Late Dr. M. Satyanaraya Murthy as a Lecturer and R. Jagadeeswara Rao as a Demonstrator. The department has made rapid strides in teaching and research to occupy a place of eminence in the geological fraternity of the nation. Subsequently the department achieved milestones in teaching and research with renowned personalities like Late Prof. V.Venkatachalapathi, Late Prof. K.V. Suryanarayana, Late Prof. E.A.V. Prasad, Prof. C.V.R.K. Prasad, Prof. G.V.S. Rama Rao, Late Prof. K.L. Narasimha Rao, Prof. P. Tirupati Naidu, Prof. K. Reddapa Reddi, Late Prof. V. Damodara Reddy, Late Prof. R.C. Hanumanthu, Prof. K. Kesava Raju, Prof. T.V. Krishna Reddy, Prof. N. Subba Reddy, Prof. A. Nagaraju, Late Prof. A.S. Sudheer, Prof. Y.Venkatarami Reddy, Late Prof. T. Sambasiva Rao, Prof. N. Balayerikala Reddy, Late Prof. S. Ramanaiah, Dr. K. Satya Sai Prasad.

The students are being imparted in Geological Field Survey, Mapping and Training programmes by the faculty and expert lectures by eminent personalities. The Students thus trained are capable of handling the geological field mapping programmes independently (under the supervision of Geological Survey of India/NGRI). The financial assistance provided by the organizations like UGC, DST, MoES, ISRO, CGWB, CSIR, DMR-TUF to the Faculty are duly acknowledged. The Geology department was successfully completed the UGC- SAP- DRS- I & II. Inter-disciplinary research is also

initiated in collaboration with the various departments. Collaborative Academic/Research programmes are being undertaken by the department with NGRI, State and Central Groundwater Departments, NRSA, GSI, AMD, ONGC, NALCO, Coal India Ltd., Department of Mines and Geology. Dr.P.R.Jagapathi Naidu Prize money was instituted to the meritorious students who secure highest percentage of marks in Geology programme. Sri K. Appavadhanulu Prize money was awarded to the student who secured highest percentage of marks in the 1st year M.Sc. Geology programme. The department has been in the forefront in extending scientific advice in the form of consultancy for exploration and exploitation of all natural resources. Presently the department actively involved in dealing with groundwater exploration, engineering and environmental problems related to mapping, quarrying, industries and agricultural purposes.

HEAD OF THE DEPARTMENT : Dr. Madhu Teliki

I joined as assistant professor in the Department of Geology in the year 2007 and promoted as Associate Professor in 2019, Department of Geology. I have been teaching M.Sc., Geology & B.Tech (Civil) Engineering Geology, To his credit he published 22 (18 National+6 international) articles in reputed National and International Journals, as well participated in 40 national Seminars/Conferences.1 Ph.D and 1 M.Phil candidates were awarded under my guidance and at present 10 scholars are working for Ph.D. I served Coordinator, UGC coaching programme for “Entry in services” and CSIR-NET programme for SC/ST/Minority students, acted as a Member in Anti-ragging committee, Examiner, Inspection committee, Observer, resource person, Deputy Warden for S.V.U. College of Science Men’s Hostel. Presently holding the position of Head, Department in Geology. Engaged in rural development to enhance groundwater prospects.

BOS : Dr. U. SURESH

I joined in the university service as a Chemical Analyst in 1989 and continued till I was selected and joined as Assistant Professor in 2007 and I was promoted as Associate Professor in 2019 under the Career Advancement Scheme. To my credit I have 19 publications in various reputed journals, completed 01 research project, and 03 Ph.D. degrees were awarded under my supervision. I was attended 28 webinars/seminars, 23 workshops/Training programmes. I have organized 02 Group Monitoring Meetings for young scientists in Earth and Atmospheric sciences, 01 PAMC meeting of MoES on Geosciences and 09 Inspire Internship Science camps. My specializations are Petrology, Hydrogeology and Marine pollution. I worked as a Deputy Warden for Men’s Hostel of S.V.U. College of Sciences. I have been acted as a Member in Anti-ragging committee, External Examiner, Inspection committee, and Observer.

Dr. V. Gope Naik

I joined in the University service in 2012 as a Assistant Professor, Department of Geology, Sri Venkateswara University College of Sciences, Sri Venkateswara University, Tirupati. My research interests are Mineralogy, Sedimentology and Remote sensing & GIS. I have published 21 (04 National + 17 International) articles in reputed National and International Journals, as well as participated in 20 National Seminars/Conferences/Workshop. Under my guidance 01 Ph.D. awarded and at present 03 scholars are working for Ph.D. I have served as Liaison officer, SC/ST Special Cell, S.V. University, Deputy Warden for S.V.U. College of Sciences Men’s Hostel, Nodal officer for Examination Branch, S.V University and Deputy Director for DOA (Directorate of Admission), S.V. University, Tirupati.

ACADEMIC CONSULTANTS :

Dr. D.B. Sankar, M.Sc.,Ph.D.,

He has been working as Academic Consultant in the Department of Geology since 2019. He has presented 38 papers in National and International conference and also published 4 books and 11 Research papers in various journals. He also attended 15 webinars.

Dr. Routu Balaram, MSc., PhD

He has been working as Academic Consultant in the Department of Geology since 2019. He has presented 35 papers in National and International conference and also published 03 books and 13 Research papers in various journals. He also attended 15 webinars. He is member in Ground water and water audit Department, Govt. of Andhra Pradesh. He is expert in ground water identifications methods.

COURSES OFFERED

M.Sc., Geology

**M.Sc. Tech
Hydrogeology**

**Ph.D. -
Full - Time / Part - Time**

	Sl.No	TITLE OF THE PAPER
Semester - I	1.	Crystallography and Mineralogy
	2.	Igneous Petrology
	3.	Structural Geology
		Fundamentals of Geophysics
		Micropalaeontology & Oceanography
	4.	Geomorphology
		Meteorology & Climate Change
		Energy Resources
	5.	Crystallography and Mineralogy & Structural Geology and Geotectonics/ Fundamentals of Geophysics/ Micropalaeontology & Oceanography
	6.	Igneous Petrology & Geomorphology/ Meteorology & Climate Change/ Energy Resources
	7.	Geological Field Survey and Training Programme
	8.	Human Values and Professional Ethics - I

	Sl.No	TITLE OF THE PAPER
Semester - I I	1.	Sedimentary Petrology
	2.	Stratigraphy and Palaeontology
	3.	Geochemistry and Isotope Geology
		Marine Geology
		Computer Applications and Geostatistics
	4.	Remote sensing and GIS
		Environmental Geology
		Gemology
	5.	Sedimentary Petrology & Geochemistry and Isotope Geology/ Marine Geology/ Computer Applications and Geostatistics
	6.	Stratigraphy and Palaeontology & Remote sensing and GIS/ Environmental Geology/ Gemology
	7.	Geological Field Survey and Training Programme
	8.	Human Values and Professional Ethics - II