

Institutional Distinctiveness 2019-20

Students are provided an environment for knowledge building through instructional method and Self-Learning, to enhance their abilities to understand and deal with real life situations while being quality conscious and **to encourage and inculcate a research culture among the students.**All the teachers are involved in these processes beyond the Classroom Teaching. The students are provided consultancies to opt their careers in the Corporate Sectors, Civil Services, , Multilateral Agencies, Research Institutions, etc. Different courses works towards

1. Providing entrepreneurship guidance to those candidates willing to initiate their own business.
2. Developing state-of-the-art laboratory facilities.
3. Establishing academic collaborations with the peers of the subject as well as organizations of repute, located nationally and internationally.
4. Developing interdisciplinary research projects with different departments of the state.
5. A typical semester is designed in an intensive manner with an emphasis on regular and continuous research and internship in most of the subjects. The Evaluation System is designed to encourage this concept.
6. The courses also cater to the present-day requirements in Industries, R&D fields, Higher studies and Self-employment. Moreover, the course structure intends to inculcate strong laboratory skills, field work in social science so that the students can take up independent projects which will help to be an entrepreneur. Fieldwork helps in locating and describing new deposits, excavating rocks and fossils, identifying structural relationships between different geological units etc. It also gives opportunity to learn geological mapping techniques in an area of broad litho logical and structural diversity, to create a geological map and to interpret and discuss the results in a regional tectonic context.
7. Hands-on training on advanced instrumentations in the faculty of science prepares well-trained man powers for the society to cater needs of industries installed locally and in adjoining states as well as globally. The new emerging field Optoelectronics and laser Technology, in M.Tech. program. Helps students to work in National & International organisations, Industries and pursue higher studies at International Universities as Brno University of Technology, Czech Republic and national Institutes of Importance as IIT, Mumbai, IIT Delhi. Likewise the students of Biotechnology and life science are trained in developing protocols/ procedures not only to conserve germplasms/ seeds but also to develop quality planting materials/ nurseries of important medicinal and economically viable plants Students are also provided training in in-vitro production of disease free plantlets of economically and commercially

valuable species, and in vitro production of secondary metabolites of commercial importance .Experiences on developing alternative energy sources utilizing lignocelluloses wastes, industrial effluents and paddy so as to provide cheaper fuel to the population are unique for the students.

8. Workshops and seminars are conducted to help the students to achieve holistic development and to prepare themselves to face the world outside in a dignified manner. Study tour to reputed national laboratories, research institutions and industries, under the supervision of the various departments are encouraged.

9. Enrolled/ pass out students are able to qualify the State/ National level examinations like SET, CSIR-NET, UGC-NET, DBT-NET, GATE, Civil Services, etc.