

2019-20

BEST PRACTICES



INTERNAL QUALITY ASSURANCE CELL (IQAC)

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Best Practice- I

Title of the Practice: Preferment of research activities to support academic mission of the institute

Objective

Research is a creative activity which expands knowledge and understanding of a chosen field outside of the classroom. The Institute promotes research activities in the campus to explore and practice innovations in generation of knowledge.

Context

The elementary requisites to achieve high standards in academic research, as acknowledged by the institute, are as follows:

1. Research oriented courses are incorporated in UG & PG curricula
2. Preferences are given to the experimental product oriented research
3. Research areas are extended to interdisciplinary approaches
4. Availability of suitable infrastructural with advanced instrumentation facilities
5. Premeditated planning to achieve research excellence

Practices

1. The research curriculum covers courses along with a project work or internship of 3-6th month duration. The research project should be taken up by the student under the guidance of a faculty. Under the supervision of the project guide the student can identify research problem, experimental techniques, execution and compilation of data, analysis of results and can draw conclusions from his/her research.
2. The institute encourages its faculty members to participate international & national conferences, Faculty development programs, and the research oriented conferences



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organized by various professional societies etc. to keep themselves well-informed in different areas of research.

3. A R&D cell was formed in the institute to facilitate research activities from time to time and to acknowledge the research contribution of the faculty and accordingly rewarded.
4. All time internet facility is available in the departments to benefit the faculty in doing their research.

Evidence of success

1. A good no of SCOPUS, ESCI journals are published by the faculty members.
2. Departments have got research grant of major projects.
3. Post graduate students made their research contributions in different national and international journals.

Challenges encountered

The main difficulty faced by the Institute while encouraging research activity are

1. Insufficient fund for expansion of advanced research lab facilities.
2. Lack of facility for interdisciplinary research.



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Best Practice- II

Title of the practice: Novelty in teaching –learning process

Objective

Teaching-learning process is a key factor to the academic success of an institute. So technological advancement like ICT adoption in the classroom is encouraged.

Context

In the professional courses teachers need to take on recent technologies in the classroom teaching. In recent times, teaching learning process with new pedagogy types could be used to build a link among the teachers and techno-savvy students.

Practices

1. ICT enable classrooms are built in the departments to enhance teaching process.
2. Students are encouraged to give their seminar and major project submission through power point presentation.
3. A lot of academic works have been carried out in on-line mode and through Google information documents.

Evidence of success

1. Students have successfully prepared their project and presented the same by taking help of their teachers which adds advantage to teaching learning process.
2. Moreover, teachers have made themselves comfortable in using advanced technologies like ICT enabled classroom.

Challenges encountered

1. The detailed descriptions of some of the topics in the technical courses are not possible even with ICT enabled tools.
2. Scarcity of funds has been a hindrance in built in process of ICT enabled classroom.