7.2.1. Best Practices followed by Department (Please see attached format for writing)

1. Title of the Practice

Instilling the quintessence of research among faculty and students for a progressive technological growth.

2. Objectives of the Practice

To improve the quality of teaching-student learning process
- To enhance quality in UG and PG projects
- To publish papers in refereed International/ National journals and conferences
- To attain IPRs such as Patents and Copyrights.
- To undertake collaborative projects and consultancy for long term interaction with the academia and industry
- To get research projects from several funding agencies

3. The Context

Today's world is rapidly developing, giving way and scope for new research initiatives. To keep up the growing needs and demands has become most essential parameter. To meet such demands continuous research and development of new products and projects has become the need of the hour. This motivated the University to strengthen R&D activity that focuses on various independent domains and encourages multi-disciplinary research.

4. The Practice

Teaching and Research must go together. With this aim, research is promoted by the college in the following ways and means:
- Sponsoring for seminars/conference/workshops/Orientation courses /refresher courses like STCs, FDPs and workshops etc. by paying registration fee, TA/DA with paid leave
- Modernization of laboratories with research facilities
- Exposure to international expertise by organizing invited lectures, work-shops, seminars and conferences, etc.
- Providing high end computing facilities with internet, Wi-Fi, and other facilities.
- The supporting staff is also encouraged to upgrade their skills by being deputed to relevant authorized /recognized training centres in their respective trades/fields

5. Evidence of Success

Owing to the hard work done by the members of faculty, the following achievements have taken place in the Organization
- No. of students availed the facility and obtained their Ph.D.: 06

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- No. of international/national publications by the faculty: More than 43
- No. of filed Patent: 01

There is a tremendous improvement in teaching learning process as the faculty is exposed to latest areas of their topic of research. Further they are able to help the faculty who are fresh to initiate research. Good number of teachers got admission into Ph.D. at various universities. Student's publications have increased and quality of student projects, both UG and PG, has been enhanced.

6. Problems Encountered and Resources Required

Trying to inculcate the habit of doing research among many faculty which helps them to grow and the growth of college too

- Industry institute interaction should be improved. The college has tied up with some industries to improve quality in research.
- More courses have been introduced recently so that students can teach advanced subjects which helps them in their research.

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