

V.R. SIDDHARTHA ENGINEERING COLLEGE

Annual Report of IQAC 2015-16

Initiatives taken and activities performed

In the process of development and application of quality parameters, IQAC has taken up the following academic, administrative and Green initiatives and activities which were proposed in 2014-15.

1. Issues related to Autonomous System-
 - a) Revaluation,
 - b) Auditing of question papers,
 - c) Conduct of Semester end examinations.
2. Quality of Student Projects
3. Teacher Training center (Later changed to Teaching-Learning Training Center)

Initiative 1: Issues related to Autonomous System.

- a) Revaluation
- b) Auditing of question papers
- c) Extra space for conduct of Semester end examinations.

a) Revaluation and 100% Spot Valuation

The "100% spot valuation" was approved in the subsequent HODs meeting and has been implemented from 2015-16, for quick announcement of results. Previously the semester end exam answer scripts were sent to spot centers for evaluation.

Personal verification of answer scripts discussed in the IQAC meeting is kept pending for the time being.

b) Auditing of question papers

As per the presentation given by the CoE the quality and the confidentiality of the question papers are maintained and procedures are well observed subjected to the satisfaction of the CoE and the Principal.

c) Extra space for conduct of Semester end examinations

Following necessary steps are initiated to increase the infrastructural facilities for smooth conduct of examinations

- 1) The 3rd floor of new block is completed.
- 2) The extension of 2nd floor of ME block is in progress.
- 3) Construction of 2nd floor on CE block is under proposal for further enhancement of floor area.

Initiative 2: Quality of Student Projects:

The following initiatives are ratified to improve the quality of student projects

- Conducting FDPs in new and advanced areas of technology
- Inviting the industrial problems as student projects by maintaining the Industry-Institute interaction.
- Establishing project room in all departments like EEE Department.
- If any meritorious student or groups of meritorious students are coming forward in doing projects, they may be encouraged to take up innovative projects of their choice, keeping aside the regular practice of making groups.
- Authorization may be given to external examiner to select the best project.
- The students of best projects recognized from each departments are awarded with appreciation certificates along with guide in annual college day celebrations.

Expected outcome: It is felt that the appreciation of the best project will motivate the students and faculty to do better.

Initiative 3: Establishment of Teacher Training center (Later changed to Teaching-Learning Training Center)

The objective of the TLTC is to inculcate the teaching skills and impart modern teaching methodologies and make the faculty ready for ever changing Teaching-Learning process in Higher Education.

Necessity of TLTC:

- Attrition rate of teachers is also demanding the necessity of TLTC.
- Teaching skills for any faculty in OBE are necessary now a days.
- Effective handling of Laboratory courses needs training to faculty.
- In the emerging scenario, the catchwords are “Quality and Competitiveness” and much emphasis is being given to improve the Quality of Technical Education.
- To meet these challenges, teachers need to get updated to acquire requisite knowledge, skills and attitudes.

It is decided to organise one/two pedagogical Training program to the faculty every year by inviting experts from Institutes of repute, like NITTTR, TLC-IIT, etc. The above activity is addition to sending the Faculty to outside Institutes and industries for training.

Expected Outcome: -

This training will guarantee the better teaching compared to without training

Some of the activities are detailed below

Activity 1: Art of Technical Teaching-FDP

A two-week In-House Faculty Development Program on “Art of Technical Teaching” is organised for the young faculty having teaching experience less than 3 years working in our college by senior faculty during 26th March to 6th April 2016.

To inculcate the teaching skills, impart modern teaching methodologies and how to overcome the difficulties faced by the young faculty in classrooms

Project Guidance, Course file preparation, New Teacher- Teaching issues, Laboratory course-preparation & evaluation, Outcome Based Education (OBE), Professional Ethics & values in Teaching, Inter personal Skills & Communication Skills, Modern methods of Teaching, Course/Content delivery & class room discipline, Time management for preparation & presentation are covered.

Activity 2: Training program on Intellectual Property Rights


Engineering Staff College of India (ESCI), The Institution of Engineering and SPFU (AP) conducted a training program on Intellectual Property Rights, during 27th to 29th Jan 2016.

Topics covered in this training program


- Importance and scope of IPR in Academic Research.
- Types of innovations patentable & how to test your patentability of your innovations.
- Procedure of patent writing, patent filing and the process of granting patent.
- Awareness about IPRs, especially patents and copy rights among faculty members of school of Mechanical Engineering.
- Guidelines to researchers/inventors in respect of patenting their inventions.
- Insight into practical applications of IP such as patent drafting, patentability search, freedom to operate search, validity/invalidity search, evidence of use analysis.

Future Plan for next Academic Year 2016-17

1. Departmental academic audits to ensure quality of the institution.
2. Faculty Training Center to train the faculty
3. Certificate courses.


Dr.M.V.S.Raju
Coordinator- IQAC




Dr.A.V. Ratna Prasad
Chairman, IQAC &
Principal, VRSEC
PRINCIPAL
V.R.Siddhartha Engineering College
AUTONOMOUS
VIJAYAWADA-520 007.