

V.R. SIDDHARTHA ENGINEERING COLLEGE

Annual Report of IQAC 2016-17

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 2015-16.

1. Academic Audit
2. Faculty Training Center
3. Certificate courses

Initiative 1: Academic Audit

To conduct periodical departmental academic audits are initiated to ensure the academic quality of all departments. Dr.M.V.S.Raju, IQAC coordinator has taken the responsibility of preparing a common and standard format for Academic audit covering different criteria as per NBA, NAAC & other quality certifying agencies. The prepared Format is discussed and suggestions of all HODs are considered before finalizing the format. It is ratified in HODs and IQAC meetings headed by Principal.

Expected Outcome:

The Observations / strengths / weaknesses identified in the audit are to be discussed and necessary action to be taken to improve the performance of department. It will help to improve the quality of departments and overall Institutional academic excellence. However two to three years assessment data is required to know the outcome of Audit for comprehensive performance of departments

Initiative 2: Faculty Training Center (Later renamed as Teaching-Learning Training centre)

The Principal constituted a committee to frame the Curriculum and set guidelines for the assessment of faculty trainees who attend Faculty Training programs. Frequency of conducting the training program normally scheduled once or twice in every year. However the interval of conducting training program may be changed if more faculties are recruited in a semester.

The training may be given to the faculty in Basic teaching skills, Outcome Based Education, Modern teaching methods, Laboratory course, Project guidance & Research, Student evaluation, etc.

Initiative 3: Certificate Courses

Departments are directed to offer certificate courses based on their expertise for educating students & Engineers in a specified field.

Necessity of offering certificate course:

It is good option for students those who want to undergo career training in a field that doesn't necessarily require a degree.

Guidelines for conducting Certificate courses:

This can be planned as part time course for our own students & faculty and it may be extended to outside students / faculty / professionals / Engineers.

- Offering in all disciplines of Engineering.
- No further extra infrastructure facilities are required.
- They may be conducted beyond working hours.
- Departments set the guidelines according to the course they offer such as type of the course, fee structure, duration, timings, targeted learners, etc.
- Minimum one course / year / dept., is recommended for better start.
- Attractive share may be offered to encourage the faculty, who teaches the certificate course, since these courses are offered beyond curriculum and working hours.

Benefits:

- Generate revenue for college and Faculty from outsiders.
- Faculty are exposed to various problems beyond curriculum.
- Good reputation to the college in the society.
- Social Responsibility is fulfilled.
- Due weightage in Committees like NBA / NAAC are also fulfilled.

Some of the activities are detailed below

Activity 1: Certified advanced workshop on Patent Drafting and Patent Protection Strategies

IQAC organized two days workshop on “Patent Drafting and Patent Protection Strategies” during 13th to 14th July 2016 by the resource persons from TNTDPC, Patent office-Ford Motor Pvt. Ltd., etc.

To catalyze awareness about the Intellectual Property Right (IPR) among participants with special reference to patenting, provide an understanding of basic concepts of IPR related terminology, guide individual about patent drafting, formulation of claims and filing

To learn how to draft powerful patents, Strategic drafting of patent claims, understanding/defining inventions, Distinguishing with respect to the prior art and Case studies.

Activity 2: Workshop on Research Methodologies and Guideline to paper publication

IQAC organized two days workshop on Research Methodologies and Guidelines to paper publication during 23rd to 24th Sep 2016 by inviting resource persons from IIT Hyderabad, and JNTU Kakinada.

To learn how to formulate a research proposal, develop suitable Research Methods & decide Data Analytical Tools, draw better conclusions from the analysis, hone the skills of researchers in preparing their work for publication and write a good Research Paper.

Participants have come to know about how to read and understand paper's keywords, literature survey, use methods, perform analysis, review the work of others, check plagiarism and proofread, edit and revise an article, conclude and predict future work. And also how to find research gaps in literature survey.

Activity 3: Workshop on Scientific Engineering Education Practices

To empower and nurture Scientific teaching-learning practices in faculty members, for achieving excellence in engineering teaching and learning

IQAC in collaboration with IIT Teaching Learning Centre has organised workshop on "Scientific Engineering Education Practices" on 27th Jan to 1st Feb 2017

The modules covered in the technical session are as follows:

- Brain and Learning
- Learning and its components
- Memory and Intelligence
- Knowledge Construction
- Pedagogy and its components
- Active Learning
- Curricula analyzing and Planning

Expected Outcome: It provides a picture of education & research by deriving theory, concepts, practices of Mathematics, Arts, Science-Psychology, Philosophy in addition to Technology and Leadership. It gives in Depth analysis of teacher attitudes and behaviour to assist them to be fit for their profession

Activity 4: Training program for technical staff on Laboratory Automation

To impart functional knowledge on Ms Office- Excel, Word and PowerPoint to the technical staff, IQAC organized one week in-House Training program on “Laboratory Automation” from 27th March to 1st April 2017.


Faculty of CSE & IT Departments are acted as resource persons.

Technical staff were trained in time saving tips and shortcuts to work more quickly and efficiently in word, Excel and PPT, etc. They explored the Microsoft Office applications suite and document write up, spreadsheets and many more. The participants came to know to select appropriate office tool to handle the data and present in professional manner.


Future Plan for next Academic Year 2017-18

The following initiatives are planned for the next year

1. Improvement in Library utilization,
2. Full automation of College activities,
3. Revenue generation from corporate training programs,
4. Minimisation of single use plastics in the campus,
5. Revision & Updating of Curriculum and Syllabi,
6. Student model development at department level.


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