

# ADITYA

## COLLEGE OF ENGINEERING & TECHNOLOGY

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Recognized by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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### 7.2 Best Practices

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## Best Practice I

### 1. Title

Promoting research spirit in the faculty.

### 2. Objectives

When faculties are motivated, energized, and capable, they can enhance the learning of the student and support his personal development.

- To motivate the faculties to do research.
- To motivate the faculty in writing and publishing research papers.
- To undertake research oriented publications
- To organise seminars/workshops and FDPs.
- Motivating and guiding the faculty towards project.

### 3. The context

We, at ACET create research environment that helps institutional and personal growth of the faculty. It provides a positive environment that encourages the faculty to create passion towards research.

The incentives are provided to faculty to encourage them to further concentrate on research and publish their novel ideas and findings in National conference, books, monographs, journal, research projects, funded Projects, proceedings, research based seminars, workshops and FDPs.

The faculty was encouraged to carry out research in addition to their teaching and administrative responsibilities. Constant care is taken to see the progress in research as well as a quality of the teaching learning process. It always encourages the faculty to undertake consultancy projects sponsored by government, non-governmental agencies.

### 4. The practice

ACET provides research incentives for the faculty published in international journals/national journals, UGC journals, books, Conferences, book chapters. Research practice involves the following activities:

1. Conducting workshops.
2. Presenting paper in international, national conferences.
3. Research publication in reputed journals (Scopus,SCI & UGC)
4. Encourage the faculty for innovations, patents and books.





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## 5. Evidence of Success

ACET sponsors the workshop conduction in various fields. Every year workshops and conferences is held from various domains share their knowledge through their interaction with the participants.

**Table 1: List of Workshop/Seminars organized**

S.NO	Academic Year	Number
01	2017-18	04
02	2016-17	03

**Table 2: Research Papers published in international/national journals**

S.NO	Academic Year	No of papers published
01	2017-18	22
02	2016-17	13
03	2015-16	22

**Table 3: Papers published in National/International conferences**

S.NO	Academic Year	No of papers presented
01	2017-18	12
02	2016-17	32
03	2015-16	17

## 6 Problems encountered and resources

- Motivating the faculty towards research at entry stages is difficult. After knowing the importance and use of research all the problems is solved.
- Advance tools are necessary for the research. Management provides all tools for research.



  
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## Best Practice II

### 1. Title

Comprehensive student proctoring system.

### 2. Objectives

The main objective is for an uninterrupted proctoring student in each classroom for different branches. Continuous enhancement of students in all aspects is only possible by teacher. Proctoring is regular development activity implemented in our college firmly.

The objectives of our college are:

1. To enhance student-teacher relationship.
2. To counsel students' regularly will solve their problems that help to enhance student confidence in faculty.
3. To motivate students towards career oriented programs.
4. To identify the slow learners, guide them towards academic & carrier prospectus.

### 3. Context

This proctoring system is mainly introduced with a unique objective of knowing the student in person, diagnose all about his abilities and disabilities, pros and cons, likes & dislikes.

Based on this aspect, a very well designed mechanism is initiated which works for the overall development of the students. The problems faced by the students in the past years are collected and designed a new mechanism for the overall development of the students in the college.

### 4. The Practice

Nearly 80% of students come to college from rural or village background. Most of the students are from low economic families. The uniqueness of the proctoring in Aditya college of Engineering & Technology (ACET) is to reduce the gap between the student and faculty, not only improving in academics but also in placements.

Both of them will collaborate and produces fruitful results for the development of the institute.

Overall development of the students is possible through the proctoring system. This system is continuous effective process that starts from first year to final year of the course. All teaching faculty of the college act as a proctor.





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Every proctor contacts the parent's regularly. Every proctor act as guide and guardian to students. The main duty of the proctor is to improve the student confidence; academic aspects, career guidance, sports, enterpreunship, extracurricular activities.

The proctorial process is continuous process. Proctorial process involves the following:

- Nearly 20 students are allotted to one faculty. He will be the proctor for these students upto their course.
- Proctoring process is incessant process, where the teachers & head of the department are involved.
- The proctor book contains student complete information from the first year to final year study.
- Identifying the student's strengths and weakness.
- Mid-marks, sessional marks, lab marks and attendance month wise and semester wise is entered in the book.
- Complete student information is available in the proctoring book.
- Continuous career guidance will be given to students.
- Girl students cannot express their grievance to male faculty in such cases female faculty will be assigned.

## 5. Evidence of Success

For a proctor the growth of the student is happiness and success. This process is truly a job satisfaction. The evidence of success for student proctoring system is reflected in overall development of students in the college.

Evidence of success include students participated in sports, university ranks, increase in placements, higher education students, Enhanced participation in technical events conducted by National and International organizations

Students successfully completed certifications from Swayam-NPTEL Students successfully started startups which turned into industries





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**Table 1: Student placement information**

Academic Year	Number of students	Average Package (LPA)
2014-15	90	2.01
2015-16	110	2.20
2016-17	141	2.40
2017-18	288	2.60

- 89 students attended NPTEL exams 49 students successfully completed courses with 6 Elite certifications in 2017-18.

**Table 2: List of companies**

Academic Year	Number of Companies	Students Placed
2014-15	27	90
2015-16	33	110
2016-17	40	141
2017-18	43	288

## 6. Problems encountered and Resources

- The college is situated in the rural area most of the students come from rural background.
- At starting stage students are not ready to express their feeling queries/ problems to the faculty as they are new to institute
- The faculty or proctor play vital role in understanding the students.



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