



ADITYA COLLEGE OF ENGINEERING

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Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Best Practices

S. No.	Title of the Best Practice
1.	Emphasis on training needs and special training to specific groups to enhance the employability, innovation and entrepreneurship.
2.	Research orientation and inculcating the spirit of research among learners and faculty.




PRINCIPAL

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Aditya College of Engineering
SURAMPALEM-533 437

Best Practice 1

Title of the Practice: *Emphasis on training needs and special training to specific groups to enhance the employability, innovation and entrepreneurship.*

Objective of the practice: Training will be provided based on the needs of the learners as well as the trend of the job market. Students will be assessed initially using online assessment through Cocubes. Apart from online assessment, faculty mentors will interact with the learners to identify their level of understanding, learners' interest and other skills. All the learners will be grouped according to the assessment levels, interests and training will be provided to enhance their skills so that each learner shall have an opportunity in his/her hand. Moreover, special training will be provided to identify learners groups specifically as per the requirement of the job market.

The Context: The objective is expected to be achieved by strengthening the learners' fraternity in terms of domain-specific knowledge along with the other necessary skills. This practice was implemented for III year (2016-2020 batch). Apart from this, training was provided in other forms such as assigning minor/major projects and asking learners to complete the project with the help of faculty mentors. It was experienced while doing so and noted the following observations:

1. Learn by doing
2. Exposure to the real world
3. Productive use of theoretical/laboratory knowledge
4. Application of knowledge and skills in real-time environment without any hassle.

This practice is aimed to support and strengthen all the learners by providing necessary knowledge to improve their skills which helps them to grab the best opportunities. Moreover, this practice is anticipated to produce learners as Industry-ready so that Industries and Corporates can readily recruit them. Finally, this practice yielded the best results in terms of grabbing job opportunities with high packages, improved placements and start-ups.

Best Practice 2

Title of the Practice: *Research orientation and inculcating the spirit of research among learners and faculty.*

Objective of the practice: Research is part of human life and the technological advancements are not possible without research. Further, teaching and research are two parallel rails. Bearing this in mind, Institute initiated to focus on research and the orientation is being provided to the faculty members and students in collaboration with M/s CL Educate Pvt. Ltd., Hyderabad about the research process, conduct the research, publish the research results in National/International Conferences and Journals and apply for patents wherever and whenever necessary. This is aimed to enhance the problem-solving ability, propose new method/approach to any problem, among students. Moreover, the research work done by them can be extended as a major project during their final semester as the case may be applicable.

The Context: Learners initially have an anxious feeling to take up any work related to minor/major work. Learners' apprehensions are taken care by assigning mentors and explain them the process to be implemented, initiate the process, help them to interpret the results, prepare the outcome as a bulletin or communique. The following points are observed while implementing this practice:

1. Better understanding of concepts
2. Improvement in confidence levels
3. Enhanced problem-solving skills
4. Improved quality in teaching-learning process
5. Publish research articles in Conference/Journals of National/International repute
6. Providing solutions to the problems in society

This practice is aimed to keep abreast of the latest developments in the technological world by implementing active research in the Institute which is a continual process. As the world is changing rapidly, one has to keep himself/herself with the pace based upon the needs and demands and this has become the need of hour. With this motivation, Institute is focused to strengthen the research and development activity in technical domains as well as in multi-disciplinary. This approach driven the students to publish more than 15 research articles in reputed journals / conferences during the last 2 academic years.