



# ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC  
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956

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

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## **Best Practice – 1**

**Title of the Practice:** Industry readiness in students to foster the growth of nation.

### **Objectives of the practice :**

- To foster the technical skills of students by imparting special training on various technologies
- To build confidence in the students by developing communication skills
- To make the students aware of the interview process by conducting mock interviews
- To aim for the overall development of students with specific focus on academics, research, social service and management

### **Context:**

Today's global industrial scenario require professionals with a wide range of knowledge and skill sets, including the ability to lead team-centered projects, contextualized problem formulation, proficiency in communicating across disciplines and hands-on experience. As there is growing demand for skilled professionals in various sectors, the institute aims to produce skilled professionals to fill the demand.

### **The Practice:**

The Institute provides training along with certification to students based on industry requirements in different domains from programming to automation like Data science, Software development, Android development, Cyber Security, Robotics,



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Mechatronics etc., Special focus is also given on communication and soft skills, so that they can be ready for the industry by enhancing their knowledge as well as skills.

Accordingly, the Institute has focused its efforts in educating future professionals in high-demand fields including

## **Software Certifications/Trainings**

- AWS Certified Cloud Practitioner & Architect Associate
- Microsoft Azure Fundamentals, Administrator & AI Fundamentals Certification
- CISCO Certified Network Associate, Cyber Security Operations Associate
- CompTIA Certified Cyber Security Analyst, Security+
- Google Cloud Certified Associate Cloud Engineer
- Automation Anywhere Certified Essential and Advanced RPA Professional
- Salesforce Certified Administrator
- Red Hat Certified System Administrator & Engineer
- Juniper Networks Certified JUNOS Associate
- Oracle Cloud Infrastructure Certified Foundations Associate
- Google Certified Associate Android Developer,
- Microsoft IT Specialist Python and Java Certification



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- VMware Certified VSphere6 Administrator,
- HubSpot Academy Digital Marketing Certification
- Microsoft Technology Associate in Web Design, Software Development, Database Fundamentals, Network Fundamentals, Security Fundamentals, and Javascript
- Unity Certified Programmer & Artist
- Arduino Fundamentals Certification
- Autodesk Certified User - AutoCAD, and Revit
- Competitive Coding
- Red Hat- System Administration RH124, RH 134, RH 254
- Oracle Academy SQL and Database
- DevOps Associate
- MEAN and MERN Stack
- Artificial Intelligence & Machine Learning
- Internet of Things
- Automation Testing
- Augmented Reality / Virtual Reality
- DELL EMA Academic Alliance - Cloud Infrastructure & Services (CIS)V2, Data Science & Big Data Analytics,



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## Information Storage and Management V3 (ISMV3), Data Production & Management (DPM)

- Siemens Solid Edge
- Dassault CATIA, Delmia , Simulia
- Robot Cprog
- Hardware Certifications:
- Applied Robot Control- Robots, Mechatronics & PLC Automation
- Automotive 2 & 4-Wheeler
- Computer Numeric Control (CNC)
- Refrigeration and Air Conditioning
- Industrial Welding
- Electrical Home & Industrial Appliances
- Soft Skills/Life Skills/Career Guidance

Campus offers a platform both virtually and physically for the students to improve their language proficiency in a way that exposes them to global English and help them get rid of mother tongue influence. The learner centric approach provides students a free hand in learning



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## **Best Practice -2**

**Title of the Practice** :Global Readiness in Ensuring Ecological Neutrality

- To achieve environmental sustainability through energy conservation, reducing carbon footprint and waste management
- To sensitize all students and staff towards environment conservation.

### **The Context:**

The increase in environmental pollution and depletion of natural resources throughout the globe calls for immediate attention towards controlling pollution, conservation of natural resources and protecting the planet for future generations.

### **The Practice:**

Aditya College of Engineering is an expansive, verdant, and eco-friendly campus. Carbon neutrality, renewable energy production and its utilization, energy conservation, waste management, and plastic ban are just a few of the ongoing initiatives taken in the campus to protect and preserve our planet. The seriousness of the issue must be emphasized to the students. Students are sensitized towards various problems related to environmental pollution, depletion of natural resources and energy conservation.

The following measures have been initiated in the institute to donate to the great cause of environmental consciousness and sustainability.



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## **Carbon Balance**

ACOE has a 21,054 m<sup>2</sup> open space and garden area. Flowering plants, particularly trees, operate as a sound barrier and heat regulator in the garden based on their therapeutic value and relationship to Vedic philosophy. Horticulturist supervises the gardens. Organic pesticides and fertilizers are used on plants. Efforts are being taken to decrease the carbon footprint by adding plants and trees and minimizing the vehicle usage.

## **Biodiversity**

Animals such as turtles, fish, cranes, ducks, rabbits, cows, and buffaloes are accessible on campus to help support the needs of the ecosystem's biodiversity.

## **Renewable Energy:**

In the year 2018, solar power production facility with a capacity of 500 kW was erected to cater the needs of the institute. Solar hot water systems with 12000 LPD capacity were built for the hostel buildings.

## **Energy Preservation:**

Facilities for water conservation are spread out across the campus in order to collect rain water, and recycle waste water. Campus is equipped with LED and Automated Street Lights. Electric vehicles are used for transportation inside the campus.

## **Waste Management:**



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The Institute effectively manages solid waste, liquid waste and e-waste thus contributing to environment protection.

## **Ban of Plastic:**

Efforts are in place to minimize the use of plastic bottles, straws, and food packaging. The college imposed ban on single use plastic-ware