AITAM-APSSDC

Skill Development Centre (APSSDC)

- **About APSSDC**
- **APSSDC- tSDI**
- **APSSDC- CM's SEC**
- **APSSDC-Dassault Systemes**
- **Contact**

Skill Development Center

Objectives

1. To implement a structured and pragmatic solution to skill and upskill the workforce in the state of A.P. and to increase employability, and promote entrepreneurship in sync with Industrial growth of the State.
2. To achieve the qualitative improvements in technical education and promote industry academia interfacing, to give training to improve employability, to create a pool of skilled work force catering the industry needs

Action Plan:

1. To organize the workshops, training programs at expert, advanced, foundation and master levels for Engineering, polytechnic and ITI courses.
2. To organize faculty development programs in various domains.

Committee Members

Sl. No.	Member Name
1.	Dr. V. Ashok Kumar, Professor, ECE
2.	Sri. K. Prasad, Asst.Professor,ME
3.	Smt. K.B.Anusha,Asst.Professor,CSE
4.	Sri. A.Kishor Kumar,Technician,EEE
5.	Sri. M.Gopi,Technician,ME

tSDI

About t-SDI

To identify the need for enhancing the effectiveness of Engineering/Diploma students by exposing them to sophisticated technology, with the goal of developing skilled employees to meet industry demand. To meet the needs of the industry sectors, the institute established the laboratories listed below.

- Design/CBT Lab
- Automotive 4-Wheeler Lab
- Automotive 2-Wheeler Lab
- Electrical - Home Lab
- Electronics - Home Lab
- Electronics - Office Lab
- R&AC Lab

t-SDI Activities 2017-21

Photos

CM's SEC

CM′S SKILL was set-up in AITAM campus with the assistance of Andhra Pradesh State Skill Development Corporation (APSSDC), to promote skill-development & entrepreneurship among the students.

Objectives

1. To make improvements in technical skills sustainable and in line with industry requirements.
2. To improve employability of students and enable students to compete and succeed in national employment market with better remuneration and professional growth.

Activities

Training is provided for all B.Tech, M.Tech and MBA students to have exposure on emerging technologies like

- Python Programming (Basics and Advanced)
- Internet of Things (Fundamentals and Advanced)
- Printed Circuit Board (PCB)
- Revit Architecture
- Auto CAD
- Amazon Web Services
- Embedded systems
- Revit Architecture and Design

CM’s SEC Activities 2018-23

Photos

Dassault Systemes

3D EXPERIENCE LAB

About Dassault Systemes 3DEXPERIENCE platform:

Dassault Systemes is a multinational software company that specializes in 3D design and product lifecycle management (PLM) software. The company is best known for its flagship products CATIA, DELMIA and SIMULIA.

The 3DEXPERIENCE platform is a Business Experience platform. It provides software solutions for every organization - from marketing to sales to engineering - that help, in your value creation process, to create differentiating consumer experiences.

With a single, easy-to-use interface, it powers Industry Solution Experiences, based on 3D design, analysis, simulation and intelligence software in a collaborative interactive environment. It is available on premise and in public or private cloud.

About APSSDC:

Andhra Pradesh State Skill Development Corporation (APSSDC) is a unique organization formed as a Public-Private Partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh.

3DEXPERIENCE LAB

Dassault Systemes in association with APSSDC has established 3DEXPERIENCE LAB spread over 1000 sft. Area in our College with 36 high end configuration machines and 36 cloud Licenses worth approximately Rs. 3.5 crores, was inaugurated on 07th July 2018. As a value addition to the program, DS 3DEXPERIENCE LAB will also put efforts in connecting industry with academia through initiatives like industry visits, workshops by companies etc. Also Placement Drives will be conducted to benefit the students of 3DEXPERIENCE LAB Labs to kick-start their carrers.

Objectives

1. To impart fundamental knowledge to students in the latest technological topics on CAD/CAM/CAE and to prepare them for taking up further research in the areas.
2. To improve the employability skill in research for engineering Graduates.
3. To implement the innovative thoughts on 3D Experience platform for product development.

To achieve the above objectives Training is planned in 4 levels.

Details of Courses

A- Level

A-Level focuses on 2nd Year B.Tech, 3rd and 4th semester core engineering students, and covers the software Application introduction for Mechanical, Digital Manufacturing, Equipment System and Finite Element Analysis. The course duration is 150 hours out of which classroom training is 70 hours, and practice and project 80 hours. It includes the following components:

- 1. Mechanical Design
- 2. Surface Design
- 3. Sheet Metal Design
- 4. Equipment Library
- 5. Piping / Cabling Reports
- 6. Concepts of Finite Element Theory
- 7. Linear Analysis
- 8. Frequency Analysis Dynamic Analysis and Introduction to Manufacturing

B -Level

B-Level focuses on 3rd Year engineering students. It covers the basic domain specific training related to three industry verticals, namely,

- 1. Automotive (Transportation and Mobility)
- 2. Aerospace
- 3. Ship Building (Marine and offshore)

The course duration is 150 hours, which includes70 hours of classroom training, and 80 hours practice and project.

Automotive: Industrial Equipment industry is the industry of automobiles. It is the industry that designs, develops, manufactures, markets, and sells motor vehicles, and is one of the earth's most important and largest economic sectors by revenue.

Aerospace: Aerospace is the human effort in science, engineering and business to fly in the atmosphere of Earth (aeronautics) and surrounding space (astronautics). Aerospace organizations research, design, manufacture, operate, or maintain aircraft and/or spacecraft

Ship Building: Marine structures operate by definition in multi-physical environments, and Abaqus is ideally suited to address these Multiphysics challenges.

Level-B Automotive Advance Domain Training **Micro Syllabus**:

Overview of Vehicle & Packaging, Automotive power train Design, Automotive chassis Design, Automotive interiors Design, Automotive Exteriors Design, Automotive BIW Design, Automotive Class-A surface Design.

C -Level

C-Level focuses on Final year engineering students. It covers the Advance Industry Domain Specific Training. This course is based on Industry Specialization. The course will be spread across three months and will include an application project. Students who successfully complete the project can be considered for internships in the concerned industry.

D -Level

The Capstone Project of 8th semester can be performed by the students under the guidance of One Local and One Industry mentor. The duration of this project depends on the team size, capacity and complexity of the project. This would be the basis for Integrated Project-based Learning (PBL).

Photos

Contact Information

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