



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

## DEPARTMENT OF MECHANICAL ENGINEERING

### REPORT ON EVENT

#### **“India Design Week 2022 – Design Now Workshop”**

Event Type	:	Three day Workshop for B. Tech-V Semester A, B & C Section Students
Date / Duration	:	8 <sup>th</sup> October 2021, 01 <sup>st</sup> November 2021, 27 <sup>th</sup> December 2021.
Name of Industry	:	ICT Academy-India
Faculty Accompanied:		Mr. A. Nageswara Rao, Mr. Dyva Isac Premkumar Mr. K Karthik
Total no of students	:	106
Objective of the event:		To get knowledge about Autodesk tools, Fusion 360 and learn to design a component with the help of online tools.
Outcome of event	:	To learn how to design a component and how to use the design software tools in efficient manner and trained them as a fighter to overcome the challenges which are faced in this current world.

#### Description / Report on Event:

The III B.Tech V Semester A, B & C Section Students of Mechanical Engineering accompanied with four staff members (including 2 Teaching & 2 non-Teaching) attended a workshop which is conducted by ICT ACADEMY, India on 08-10-2021, 01-11-2021, 27-12-2021. The main objective of this workshop is encouraging a student in the contest named as the “India Design Week 2022 – Design Now Workshop” which is held throughout the India.

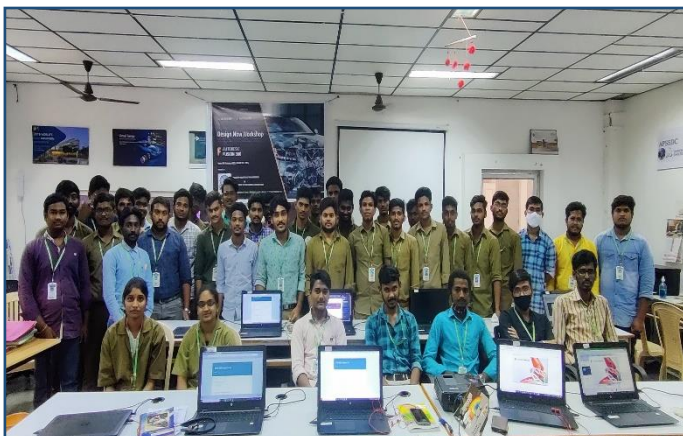
For this purpose, we encouraged the students. In them some of the students shows their interest in this contest. For them the academy provides some id numbers and login credentials. It is a three days’ workshop. In each day of the workshop, they provide some classes in online and offline mode also. In that class the instructors instructed how to create a profile in Autodesk and what is the importance of design software’s.

**Day – 1:** In first day of workshop the tell some tasks which are helpful to complete the contest in efficient and good manner. In that day they explain what is the contest and how important to the mechanical engineering students in real applications.

**Students are instructed to do the following tasks:**

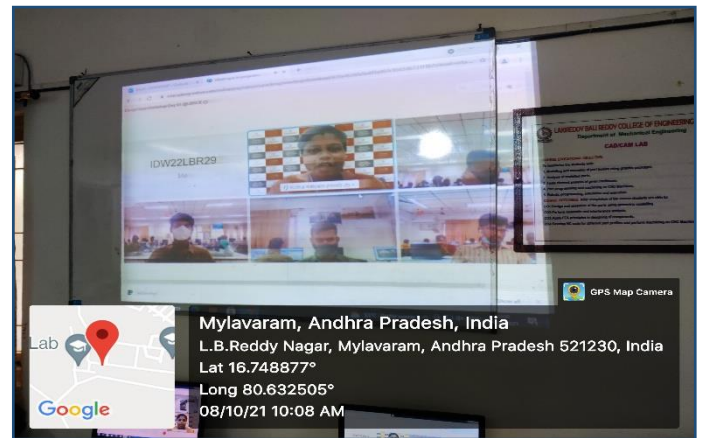
1. Create the Account in Autodesk as a Student using College domain mail ID with Verification (email and educational access verification).
2. Install the fusion 360 (software download link: <https://www.autodesk.com/education/edu-software/overview?sorting=featured&filters=individual> ) or access the fusion 360 online (<https://fusion.online.autodesk.com/>) from your PC.
3. Create a New Project folder from the data panel option (refer the below self-learning course). Name this project folder with your Student ID (sent in mail to you) and share this project folder from People tab to [design@ictacademy.in](mailto:design@ictacademy.in).
4. To learn about the fundamentals of Fusion 360, Enroll for this course on Fusion 360: Foundational Concepts (2hrs) using this link: <https://academy.autodesk.com/course/124629/fusion-360-foundational-concepts> (do sign-in with your Autodesk account in Design academy to enroll for this course). Complete the above course within a week of time. The Self-learning expected outcomes will be on knowing the GUI of Fusion 360, Collaboration in Fusion 360, Workspaces, file formats and basic sketches with challenges)
5. Upload all the files and the course completion certificates in your Student ID project folder (step 3).  
6. Share the public link through the forms which is shared to you.
7. Enroll for the next course on Introduction to 3D Modeling for Manufacturing (90min) using this link: <https://academy.autodesk.com/course/126271/introduction-3d-modeling>
8. Complete the above course within a week of time. The Self-learning expected outcomes will be on knowing the Sketch creation and modification, 3D modelling in Fusion 360, Basics of Sculpt with Assembly, Render and Drawing with Challenges
9. Upload all the files and the course completion certificates in your Student ID project folder (step 3).
10. Upload all the files and the course completion certificates in your Student ID project folder (step 3).

*Photographs:* The following are the photographs of Day – 1: India Design Week 2022 – Design Now Workshop on 08<sup>th</sup> October 2021.





Mylavaram, Andhra Pradesh, India  
 L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230, India  
 Lat 16.748905°  
 Long 80.632526°  
 08/10/21 10:07 AM



Mylavaram, Andhra Pradesh, India  
 L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230, India  
 Lat 16.748877°  
 Long 80.632505°  
 08/10/21 10:08 AM



Mylavaram, Andhra Pradesh, India  
 L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230, India  
 Lat 16.7489°  
 Long 80.632524°  
 08/10/21 10:11 AM



Mylavaram, Andhra Pradesh, India  
 LBRCE Mechanical Block, Mylavaram, Andhra Pradesh  
 521230, India  
 Lat 16.748792°  
 Long 80.632864°  
 08/10/21 10:32 AM

**Day – 2:** In day 2 activity, it was held in offline manner. One external instructor was coming from the academy and he interacted with the students and he gave training in offline mode. The outcome of day – 2 activity is learned about the designing approaches in Fusion 360, and how to enrol for the course CAD software in online platform. And knowing the 3D components modelling, assembly, technical drawings with some assignments.

**Students are instructed to do the following tasks:**

To learn about the designing approaches in Fusion 360, Enrol for this course CAD for Mechanical Design Associate Certification Prep using this link:

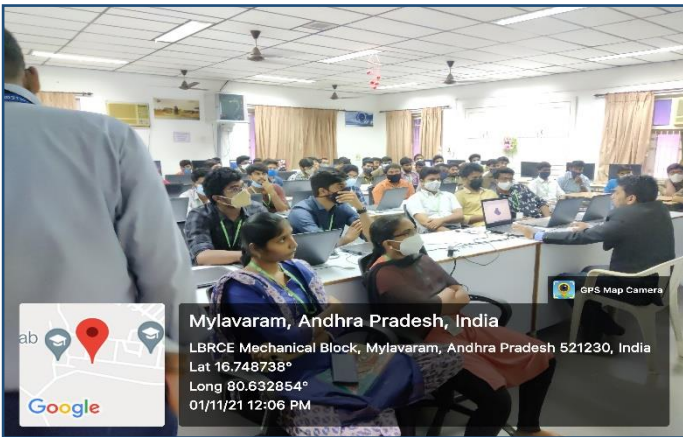
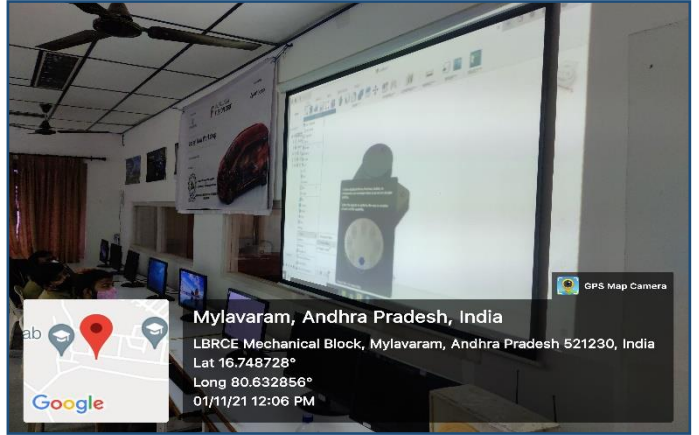
<https://academy.autodesk.com/cad-mechanical-design-cert-prep>

Complete the above course within a week of time. The Self-learning expected outcomes will be on knowing the 3D Component Modeling, Assembly, Technical Detailed Drawings with assignments.

**Design Activities to complete:**

- Create a Product using only Solid Modelling
- Create a Product using only Sculpt design (Freeform)
- Develop an Assembly Model based on Solid and Sculpt designs

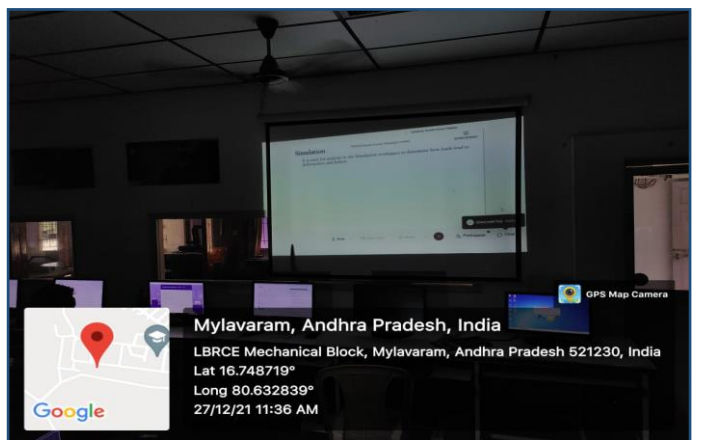
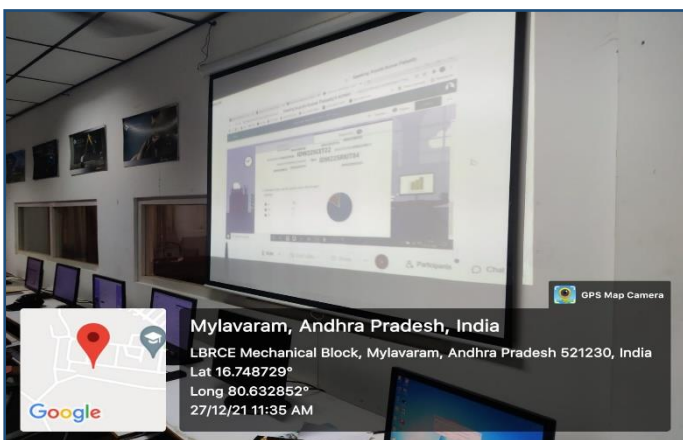
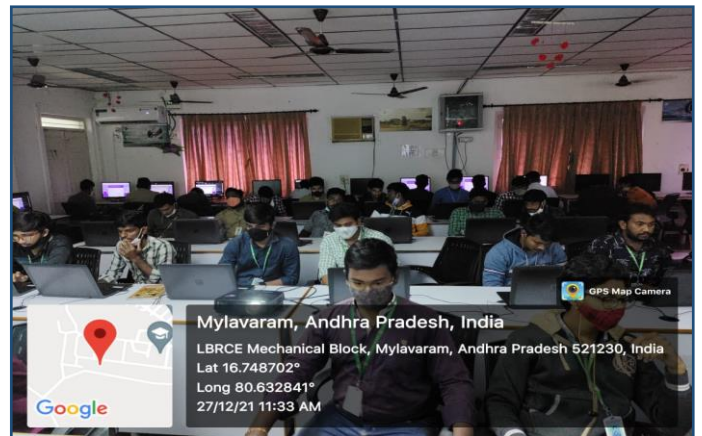
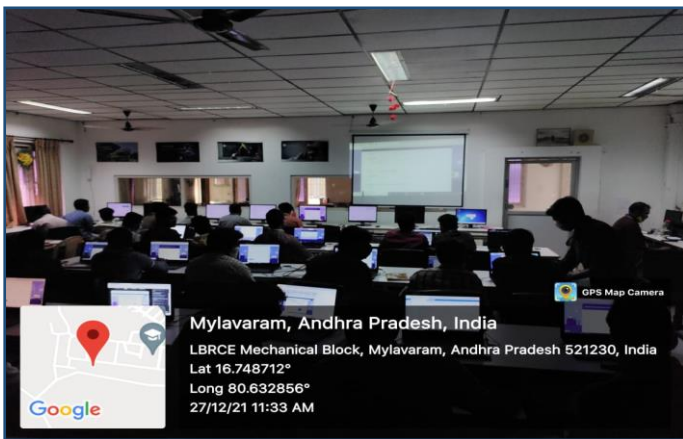
Photographs: The following are the photographs of Day – 2: India Design Week 2022 – Design Now Workshop on 01<sup>st</sup> November 2021.



Day – 3: In day 3 activity, it was held in online mode. And the external took the class in online mode. And this is the last day of workshop in that last day of workshop all the students are instructed to do the following this after completion of online class by external.

- Generative design
- Animation
- Rendering (for different components)
- Load analysis
- Total conversion of the components into the animation.
- Animation of particular object in specific time at required task.
- Appearance (Colour, surface colouring etc...)

*Photographs:* The following are the photographs of Day – 3: India Design Week 2022 – Design Now Workshop on 27<sup>th</sup> December 2021.



**In- Charge**

**Head of the Department**  
**Dr. S. Pichi Reddy**  
**Professor**

## List of Students participated in Design Now Week Workshop-2022

S.No	PKID	Student_Name	Email	Program ID
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94	6770	Bhukya Gnanendra Nayak	<a href="mailto:20MECLE47@lbrce.onmicrosoft.com">20MECLE47@lbrce.onmicrosoft.com</a>	IDW22LBR94
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100	6776	Madireddy Jayanth	<a href="mailto:20MECLE48@lbrce.onmicrosoft.com">20MECLE48@lbrce.onmicrosoft.com</a>	IDW22LBR100
101	6777	Mallisetty Harsha Krishna	<a href="mailto:20MECLE35@lbrce.onmicrosoft.com">20MECLE35@lbrce.onmicrosoft.com</a>	IDW22LBR101
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