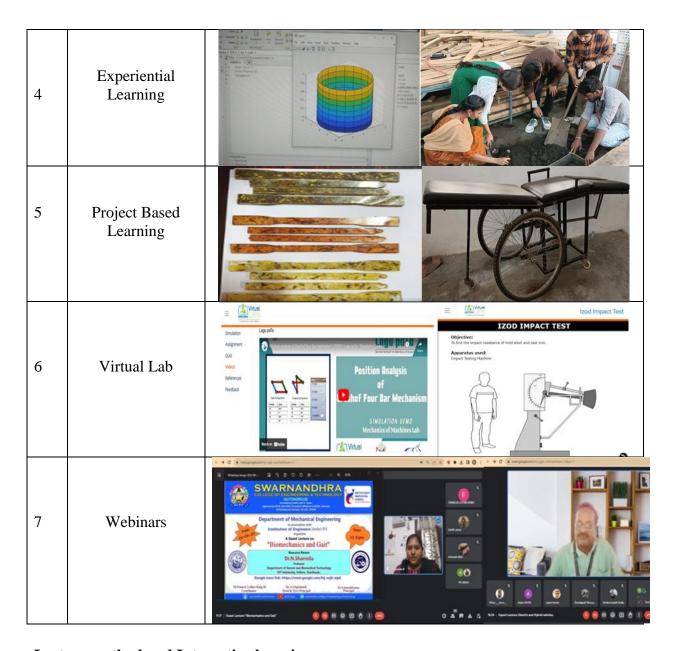
### **Student Centric methods**

- Explicit Teaching
- Flipped Learning
- Demonstration
- Problem Solving
- Case Study based Learning
- Interactive Instruction
- Independent Study
- Experiential Learning
- Project Based Learning
- Learning Management System (LMS) materials, NPTEL videos
- Virtual lab
- Online Courses NPTEL Class
- One Credit Courses
- Webinars

#### Student centric methods

S.N	Student Centric	Photo
О	methods	
1	Demonstration	
2	Problem Solving	West Godavari, Andhra Pradesh, India CM94+JVJ, Swarmandhra O'l Engineering College Rd, Sitarampuram, Andhra Pradesh, India CM94+JVJ, Swarmandhra O'l Engineering College Rd, Sitarampuram, Andhra Pradesh 534275, India Lat 10.419041*  Google Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Seetharamacurem, Andhra Pradesh 534275, India Lat 10.419041*  Soogle Sold-VVO, Sharenoparan, Sharenoparan, Sh
3	Model based learning	Authorities Sugaranna, The state of the stat



### Lecture method and Interactive learning:

Faculty use chalk and board and audio-visual aidsin the classroom. During class, students are encouraged to ask questions and get answers from their professors in real time. Faculty using models charts for interactive teaching.

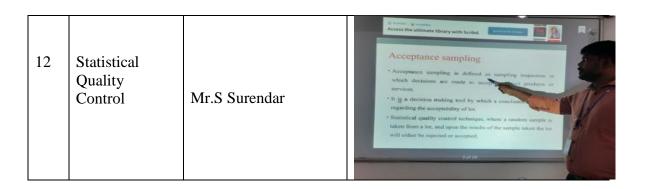
#### **Smart Class Rooms and ICT Usage:**

Use of smart learning systems increases the interaction of teachers and students, as they follow each other in the process and it becomes easy for teachers as well, to keep a track using WiFi facility that enables demonstration of real time applications and access online content in the classrooms.

# Smart Class rooms and ICT usage

S.N	Name of the Course	Name of the Faculty	Photo
1	Disaster Management	Dr. G Robert Singh	Floods  - A flood is an electric of solder lead to the solder lead to
2	Production Planning and Control	Dr R Sanjeevkumar	Rajemahandravarem OPEN 9303M opposite BJP Office Survivare Complete Types of production  Type
3	3D Printing	Dr. Francis Luther King M	Access the ublinear therp with Sorbit.  Content  - What is 30 prior so? - General Priorigies - J. Di prioring Methods Applications, - Challeges - Conclusion - Reference
4	Engineering Drawing	Patchamatla Satyanarayana Raju	Orthographic projection
5	Design of Machine Elements	Mr.Chitti Harish Kumar	Trained Interview on the Beat California Service Ca

6	Production Technology	Mr.Abdul Azeez	Casting Terms:  Plat4: A metal or wood frame, without surface bottom in some moders of the some representation of the some moders of the some modern of the some mode
7	Fluid Mechanics & Machinery	Mr.V Rambabu	Hydraulic Machines  It is palved as those materials energy (i.e. burthmes) inclusive analyze sit rythraulic energy (i.e. burthmes) inclusive analyze analyze inclusive a
8	Thermal Engineering	Mr.G Veerendra Kumar	I.C. Engine
9	Engineering Materials	Mr.M Saravanan	Proportionation in Calculate  Proportionation in Calculate  Annual Assertion in Calculate  An
10	Production Technology	Ms.B Harita	Cold Working Methods  • cold rolling • drawing • deep drawing • pressing
11	Automobile Engineering	Mr.Ravi Kishore L	Comment of the commen

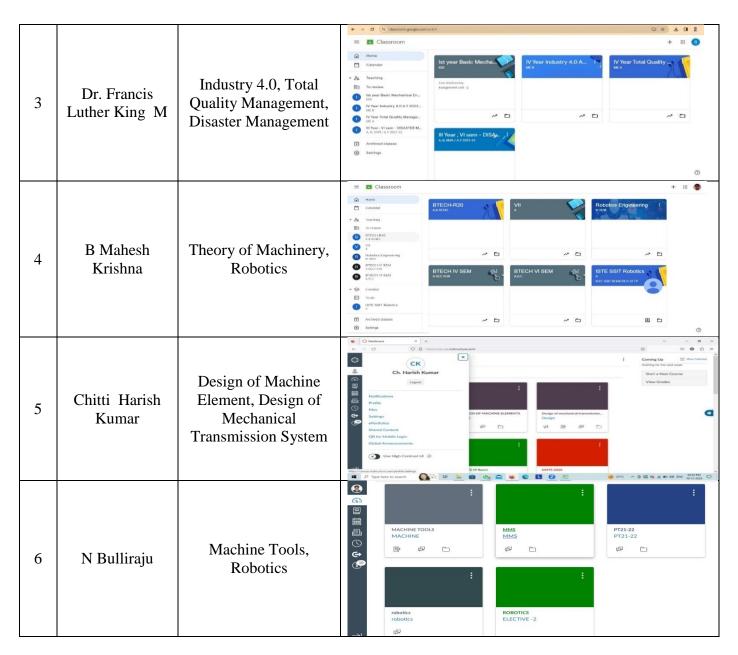


## **Google ClassRooms**

Google Classroom is an application designed to enhance the learning experience which is incorporated in our teaching learning process. It helps to interact with students anytime. Course faculty creates a Google class room for every class and all the students in the class are invited to join this Google class. Faculty posts syllabus, lesson plan, course materials.

Google class room usage for various courses

S. No	Name of the Faculty	Course title	Photo
1	Dr A Gopichand	Design of Mechanical Transmission System, Kinematics of Machinery, Engineering Drawing	Despt. directed incomes.    Simple   Market   Ma
	Dr. G Robert Singh	Fluid Mechanics & Machinery, Disaster Management	FLUID MECHANICS AND ODD Sem 2019-20 (III Sem- EEE-A)  Share with your class  Share with yo
2	Dr R Sanjeev kumar	Production Planning & Control, Micro Electro Mechanical System, Metallurgy and Material Science	Classroom



Google classrooms

#### **Seminars:**

The Seminars are being organized in the institute on course and contemporary topics to enrich their knowledge and enhance their learning experience.

#### **Massive Open Online Courses (MOOCs):**

The students are being encouraged to do MOOCs through NPTEL, SWAYAM and have got access to video lectures for effective teaching-learning practice.

#### **Problem-based Learning:**

Students are being given problems from prescribed books and reference books as an assignment. Thefaculty members interact with the students in a friendly way and explain the difficult topics wheneverrequired and improve their performance.

## **Project-based learning:**

During the period of study in the 4<sup>th</sup> semester, students are introduced with basic concepts of project related activities. In 7 and 8 semester of program, students work on real world projects and they are guided by both faculty and Industry/Research personnel. Students are motivated to work on interdisciplinary projects.

Project based learning

S.No	Project Title	Faculty Name	Photo
1	Design and Fabrication of Solar bike	Dr. R. Lalitha Narayana	THIS PLACE AT: 2022-22 John of Shallows Monager Shallows Manager Shallows
2	Design and Fabrication of E-Kart	Dr. A. Gopichand	
3	Design and Fabrication of Go-Kart	Dr A Gopichand	O Manual O
4	Design and fabrication of foldable Helmet	Dr. R Sanjeev Kumar	

5	Experimental Investigation of passive solar still	Dr. R LalithaNaryana	
6	CFD Analysis on Rocket Nozzle using Ansys	Mr V John Bunyan	CASE: 1 – 7 degrees  CASE: 2 – 20 degrees  CASE: 3 – 30 degrees  CASE: 4 – 40 degrees

#### **Virtual Labs:**

Virtual labs are online platforms that simulate physical experiments, allowing users to interact with and manipulate virtual apparatus, collect data, and observe outcomes. A virtual lab lies in their ability to enhance and complement traditional laboratory experiences.

# Virtual Labs usage in student centric learning

S. No	<b>Faculty Name</b>	Lab Name	Link	Photos
1	Mr B Mahesh Krishna	Mechanisms and Robotics Lab	https://mr- iitkgp.vlabs.ac.in/exp/forw ard-kinematics/index.html	Section Transfer Control Contr
2	Mr G Veerendra Kumar	Heat Transfer	https://vlab.amrita.edu/ind ex.php?sub=1&brch=194	A Management of Parameter of Administration of Contract of Contrac

# **Video Capturing System:**

YouTube is a social platform, and building a community around your content is crucial.

Faculty prepares the Video content using the digital studio which can used to teach content effectively and communicate message clearly.

# Digital studio usage in student centric learning

S.No	Course	Faculty Name	Picture
1	Strength of Material	Dr. R Lalitha Narayana	Shear Force And Bending Moment  Sect Media  10 steers 2 months ago Shear form And Bending Moment Lecture By Dr. R Lalitha Narayana Ph.D Professor Mechanical Departmentmore
2	Micro Electro Mechanical System	Dr.D. Bhanu Prakash	MicroElectromechanical Systems (MEMS)  Micro Electronical Systems  Sect Media 110 subscribers  Cultivariant  Culti