

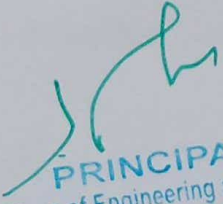
Criterion 7

7.2

Best Practices

Integrated Academic Management System (ERP)

Skill development through industry sponsored laboratories


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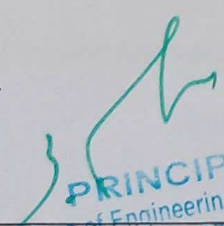
Integrated Academic Management System (IAMS)

The Institute has adopted different innovative and experiential learning practices such as Integrated Academic Management System (IAMS) and Skill Development through Industry sponsored Laboratories.

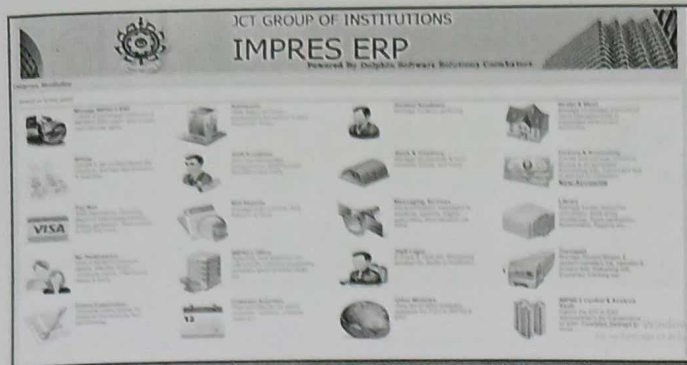
The IAMS enables the students to acquire information. It helps them to organize their thinking and build professional skills, gain knowledge and skills required for their study programs through technology-aided learning mechanisms.

Being a rural based College the Institute has adopted different innovative and experiential learning practices and through constructive feedback, open communication, inculcating a culture of critical thinking and holding many in-depth discussions, the college has managed to uplift its most underprivileged members to be more self-reliant, career oriented and great leaders. The content developed by the Members of Faculty are being uploaded in the IAMS and kept available for Students to Study Anytime and Anywhere. The college has encouraged students to pursue internships during the vacations and acquire necessary problem solving skills. The college regularly encourages the students to compete in external competitions (tech fests, paper presentations and idea and innovation contests).

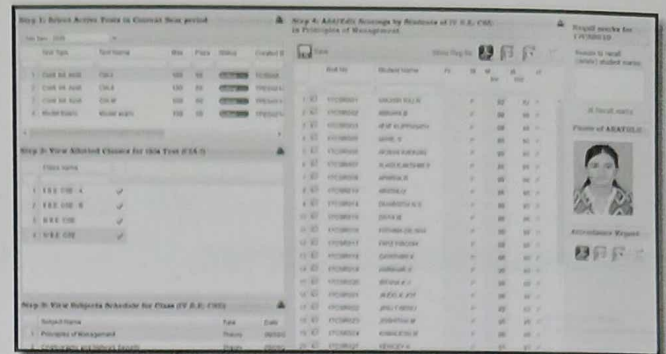



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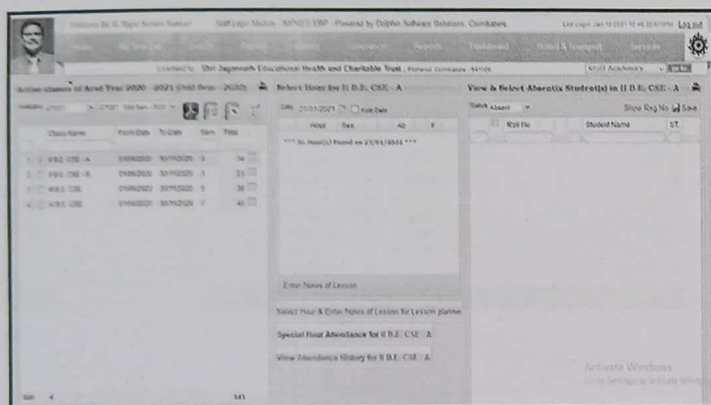
Enterprise resource planning (ERP)



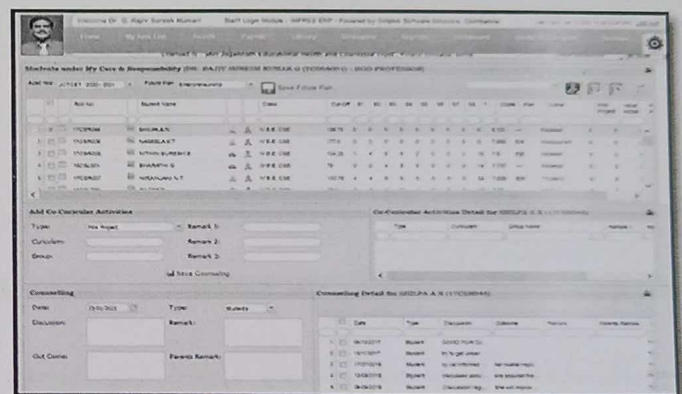
Home Page



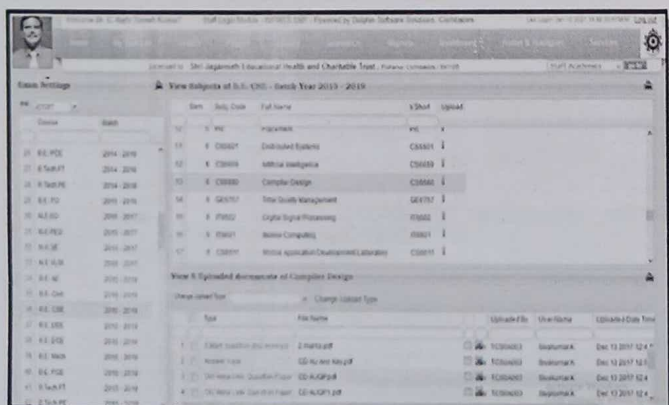
Test Mark Entry



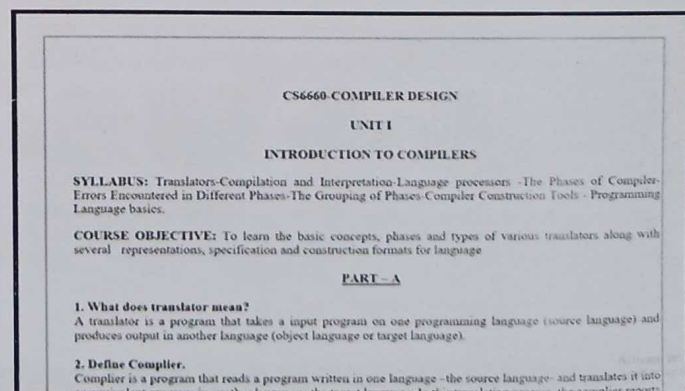
Attendance



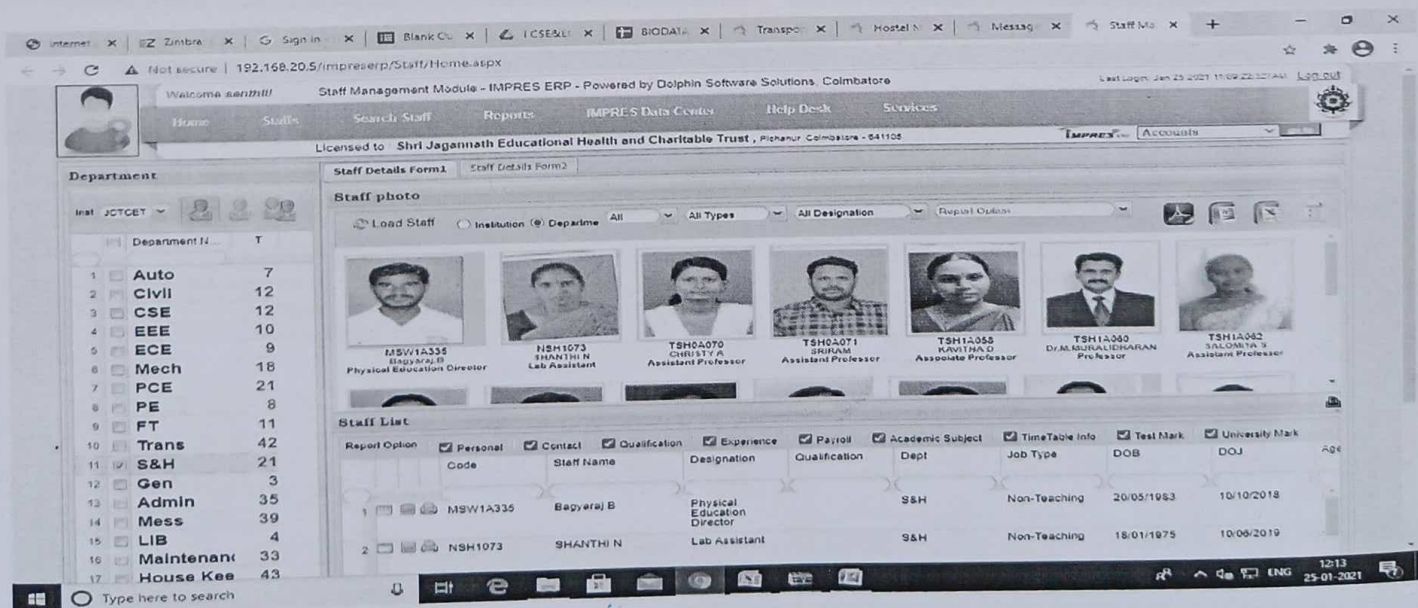
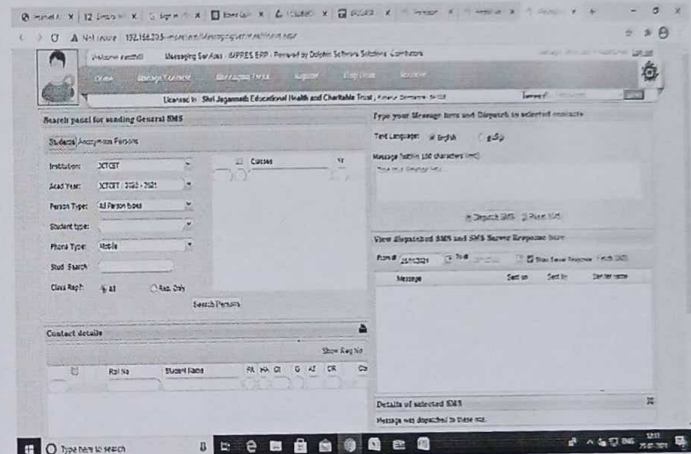
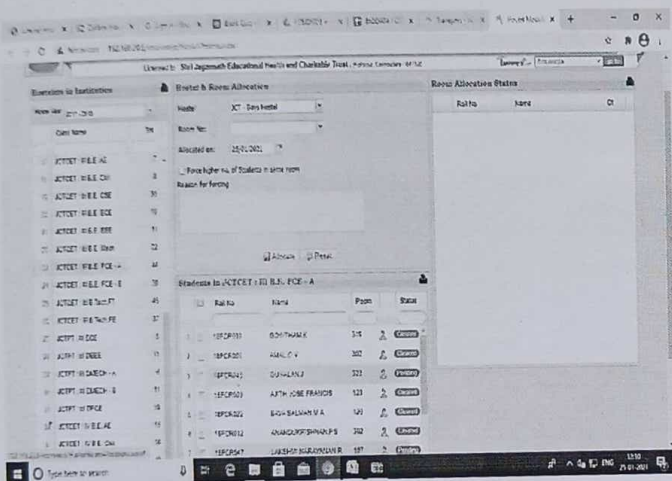
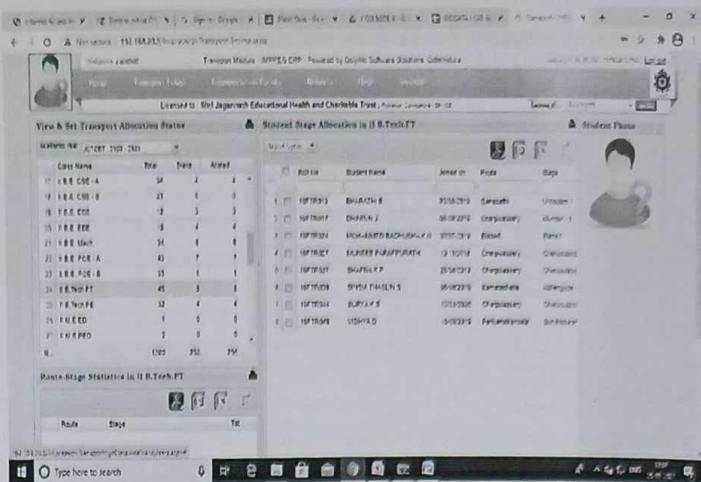
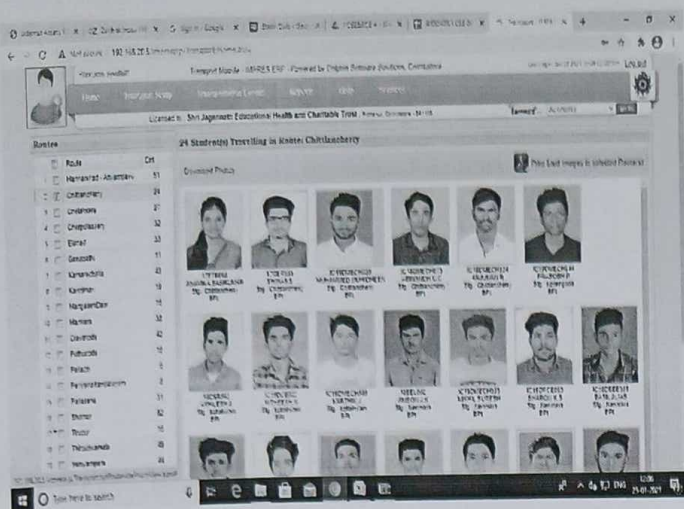
Student Counselling

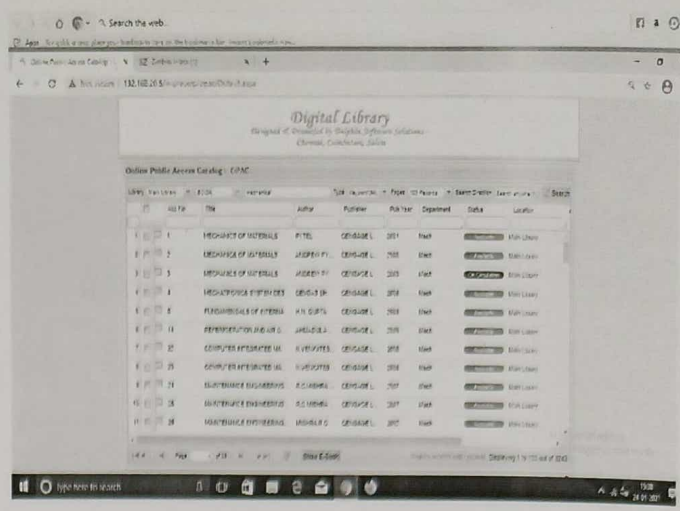
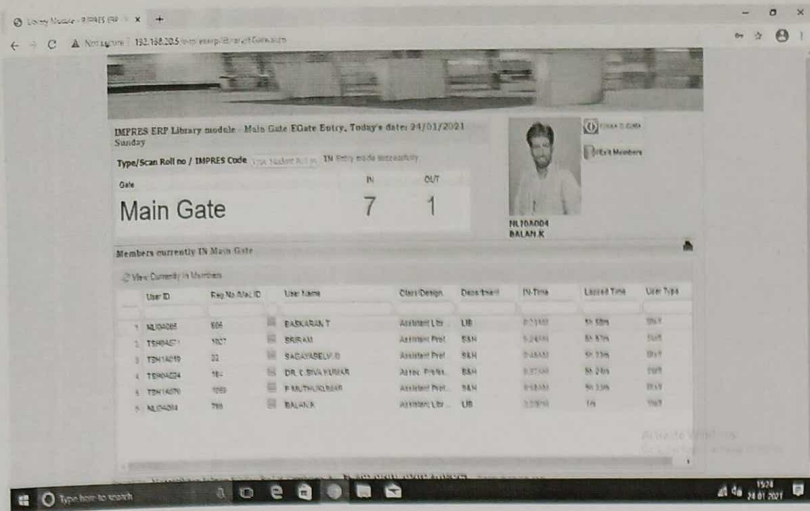


Study Materials



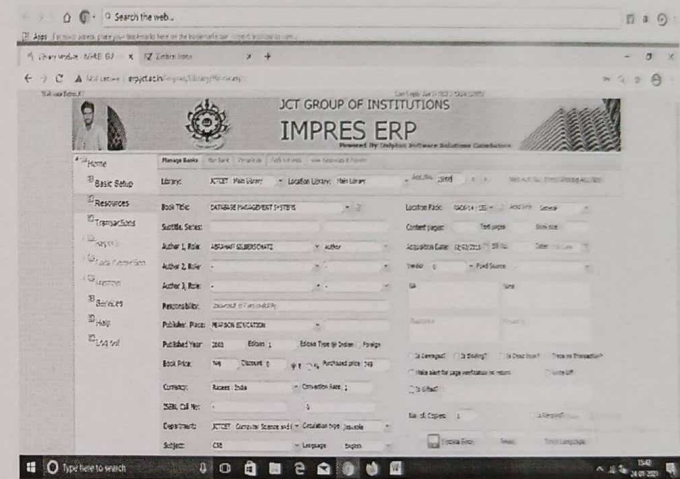
Study Materials - Sample



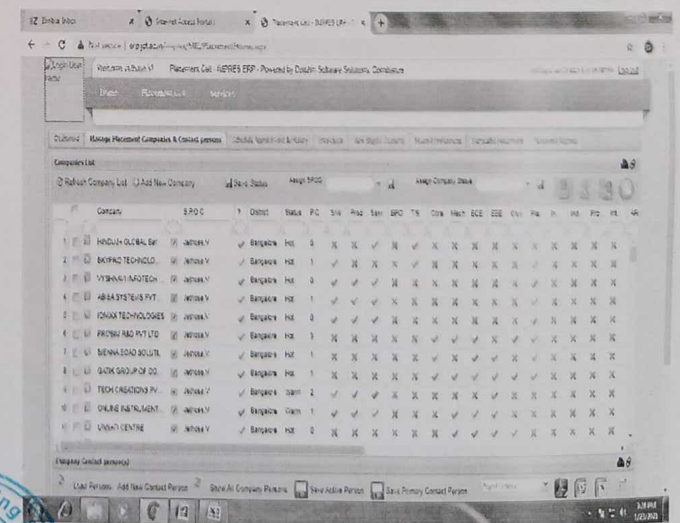
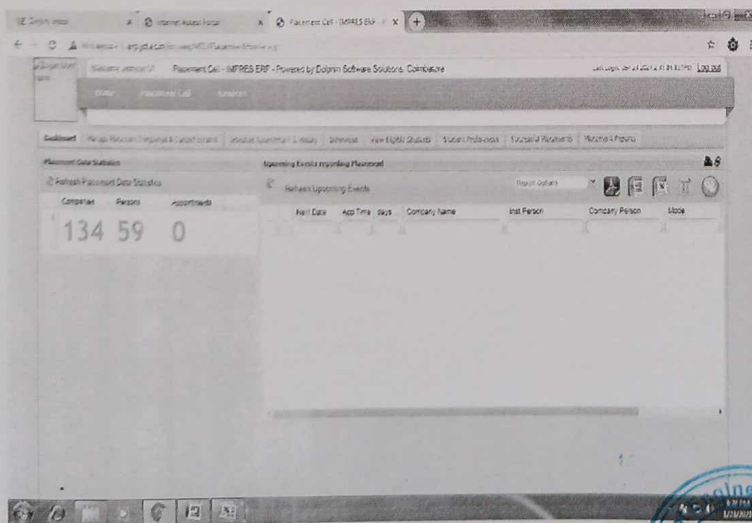


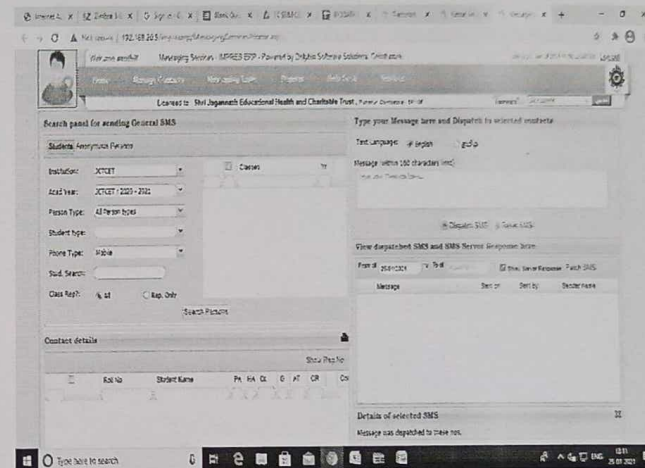
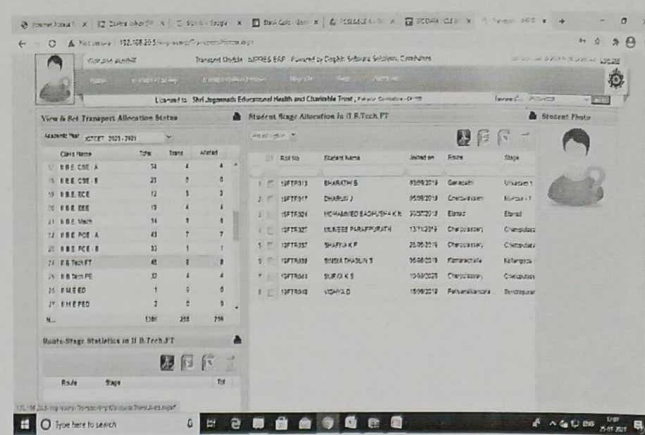
Library Modules – Web OPAC(Online Public Access Catalogue) and

Library Modules – Resources Entry (Books



Library Modules – Circulation Sections (Issue, Return and Renewal)

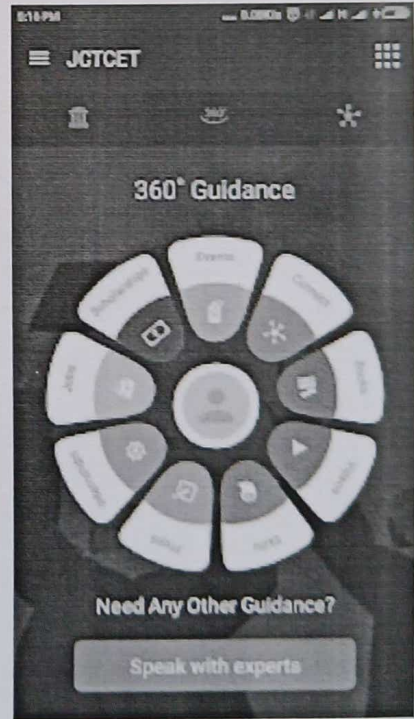
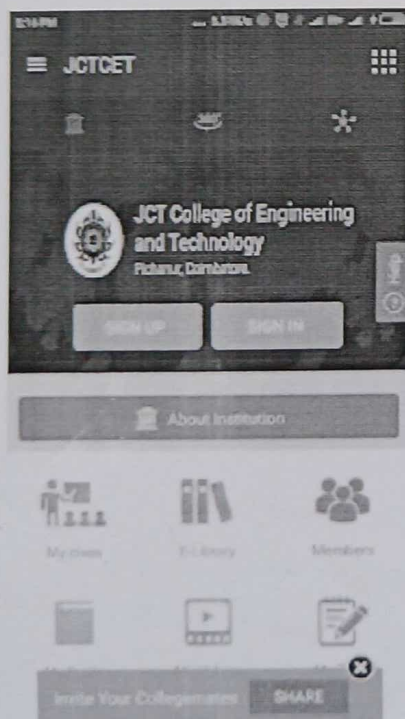




JCTCET Learning App

Our College associated with uLektz Learning Solutions for providing innovative way teaching. uLektz is the social learning platform providing a one-stop solution for academics, skills and careers to students. It is available as Web based Solution and also as Android App. This Android App is developed in our college name and it is available in Google Play store

(link: <https://play.google.com/store/apps/details?id=com.ulektz.JCTCET&hl=en>) through which students can get their Course Materials, Important Questions and Home Works by Mobile Phone itself. As we are associated with uLektz Learning Solutions, Thousands of their E-Books can be accessed by students in free of charge. It also enables Staff to send Home Works and Study Materials.




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SAMPLE SNAP SHOT OF STUDY MATERIAL UPLOADED IN ERP

The screenshot shows the IMPRES ERP interface. The top navigation bar includes links like Home, My Task List, Search, My Payroll Info, Library, Grievance, Reports, Dash Board, and Services. The main content area is divided into two sections: Exam Settings and View Subjects of B.E. PCE - Batch Year 2014 - 2018.

Exam Settings:

Inst	JCTCET	Course	Batch
1	B.E. PCE	2012 - 2016	
2	B.Tech.PE	2012 - 2016	
3	B.E. PCE	2013 - 2017	
4	B.Tech.PE	2013 - 2017	
5	B.E. PCE	2014 - 2018	
6	B.Tech.PE	2014 - 2018	
7	B.E. PCE	2015 - 2019	
8	B.Tech.PE	2015 - 2019	
9	B.E. PCE	2016 - 2020	
10	B.Tech.PE	2016 - 2020	
11	B.E. PCE	2017 - 2021	
12	B.Tech.PE	2017 - 2021	

View Subjects of B.E. PCE - Batch Year 2014 - 2018:

Sem	Subj. Code	Full Name	V.Short	Upload
51	6	LIB	LIB	
52	8	PLACEMENT	PLAC	
53	7	CH4008	Fertilizer Technology	FT
54	7	CH4702	Transport Phenomena	CH4702
55	7	PM5701	Equipment Design and Drawing-II	PM5701
56	7	PM5702	Petroleum Secondary Processing Technology	PM5702
57	7	PM5703	Petrochemical Unit Processes	PM5703
58	7	PM5704	Refinery Process Design	PM5704

View 3 Uploaded documents of Transport Phenomena:

Type	File Name	Uploaded By	User Name	Uploaded Date Time
2 Mark question and answers	2 TP (2m+15m).pdf	TPC0A012	Ramkumar N	Sep 8 2017 11:01:30:570PM
Answer Keys	2 TP CONTEIT WITH HEADER.pdf	TPC0A012	Ramkumar N	Sep 8 2017 10:57:30:510PM
Syllabus	syllabus-pce.pdf	TPC0A012	Ramkumar N	Sep 8 2017 10:58:52:927PM

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7	B.E. PCE	2015 - 2019	
8	B.Tech.PE	2015 - 2019	
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10	B.Tech.PE	2016 - 2020	
11	B.E. PCE	2017 - 2021	
12	B.Tech.PE	2017 - 2021	

View Subjects of B.E. PCE - Batch Year 2016 - 2020:

Sem	Subj. Code	Full Name	V.Short	Upload
22	3	CH5404	MECHANICAL OPERATION	MO
23	3	EE6351	ELECTRICAL DRIVES AND CONTROLS	EDC
24	3	EL5302	ORGANIC CHEMISTRY	OC
25	3	MA6351	TRANSFORMS AND PARTIAL DIFFERENTIAL ...	TPDE
26	3	CH6311	ORGANIC CHEMISTRY LABORATORY	OC LAB
27	3	EE6411	ELECTRICAL MACHINES LABORATORY	EM LAB
28	3	PM6311	MACHINE DRAWING	MD
29	3	LIBRARY	LIBRARY	LIB

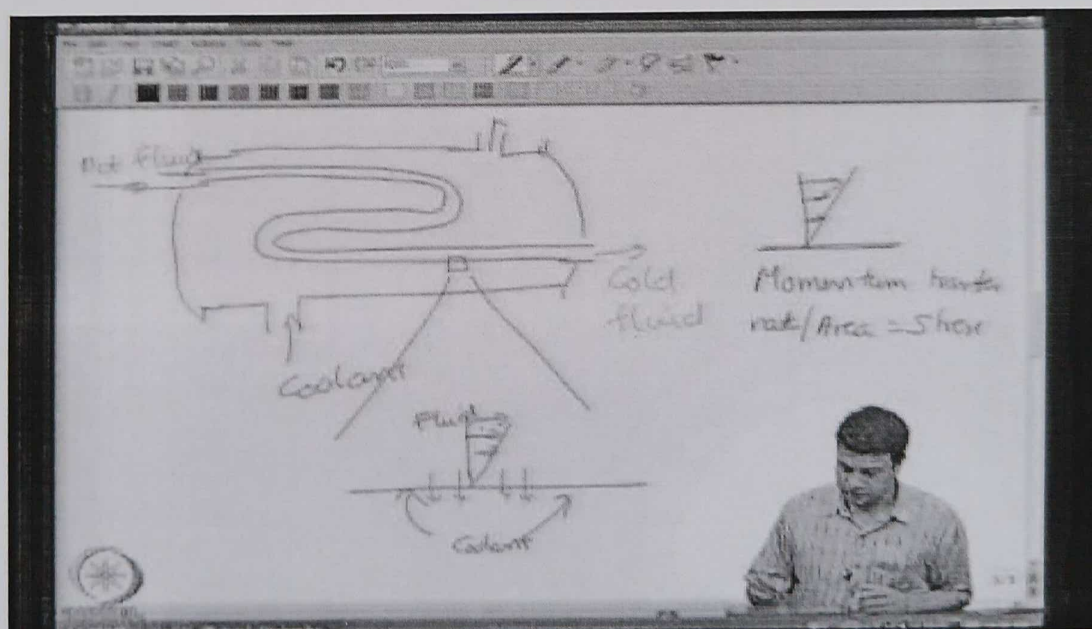
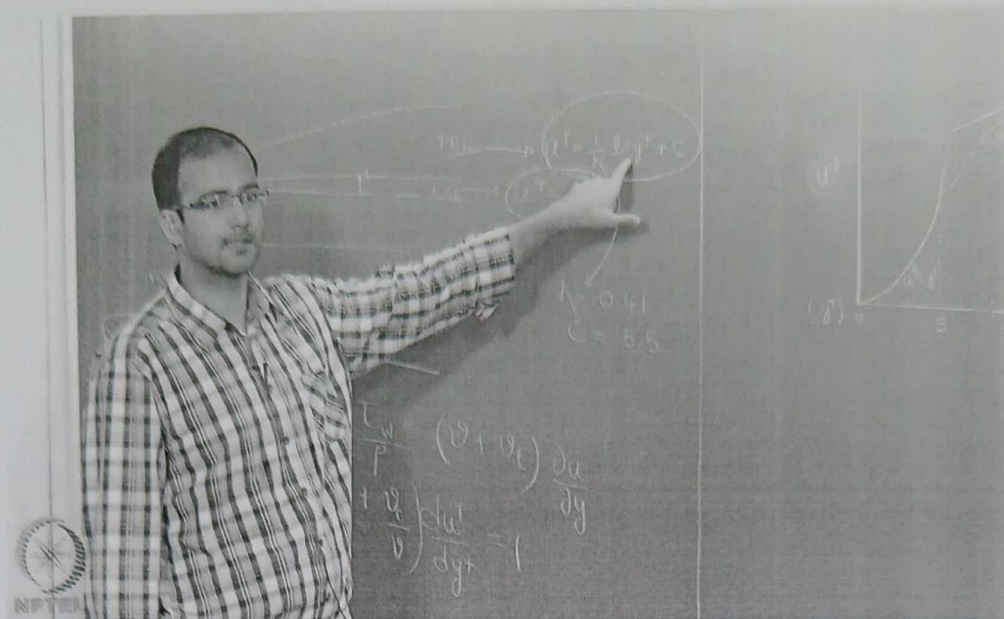
View 6 Uploaded documents of MECHANICAL OPERATION:

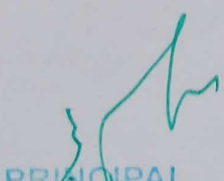
Type	File Name	Uploaded By	User Name	Uploaded Date Time
Tutorial	particle_size.pdf	TPE0A005	arumugam	Nov 22 2017 11:11:11
Tutorial	ROLL CRUSHER 2.jpg	TPE0A005	arumugam	Nov 22 2017 11:11:11
Tutorial	ROLL CRUSHER.jpg	TPE0A005	arumugam	Nov 22 2017 11:11:11
Tutorial	SolidsLiquidsGases.pdf	TPE0A005	arumugam	Nov 22 2017 11:11:11

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SAMPLE SNAP SHOT OF NPTEL LECTURES




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SAMPLE SNAP SHOT OF YOUTUBE VIDEOS

YouTube interface showing a video titled "Venturi Tube working principle". The video content shows a diagram of a Venturi tube with three pressure gauges at different points. The text "Air Speed 30" is visible. The video has 28,910 views. The interface includes a search bar, navigation icons, and a list of recommended videos on the right.

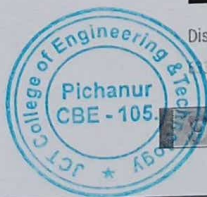
Up next:

- Bernoulli's Theorem And Its Application (4:28)
- venturi effect (3:55)
- Venturi meter concept in hindi | Explain venturi meter | Explain (5:59)
- 14. Class 11 Physics | Fluid Dynamics | Working and (4:54)
- Venturi Tube Simulation (1:10)
- Venturi effect and Pitot tubes (1:10)

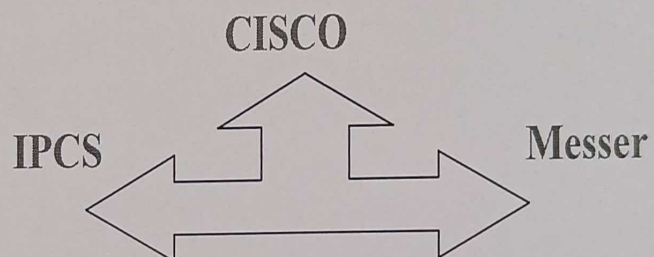
YouTube interface showing a video titled "Distillation Column". The video content shows a 3D animation of a distillation column with liquid flowing over a weir. The video has 1,053 views. The interface includes a search bar, navigation icons, and a list of recommended videos on the right.

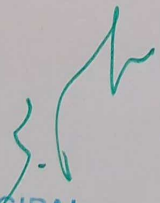
Up next:

- Animation Rektifikation (6:47)
- Distillation Basics - How a Distillation Column Works (6:00)
- Distillation Operating Problems (19:28)
- Distillation Tower (1:31)
- Debutanizer Column Working Animation, by OCS (2:40)
- Refinery Crude Oil Distillation (11:44 AM 22-11-2017)



Skill development through industry sponsored laboratories




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Skill Development through Industry sponsored Laboratories

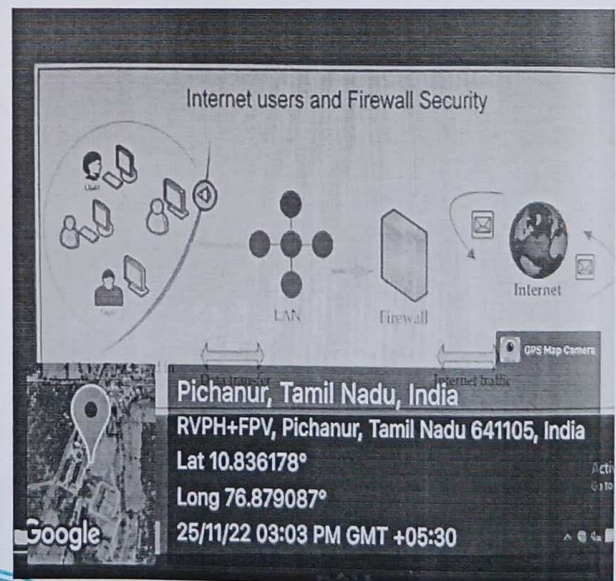
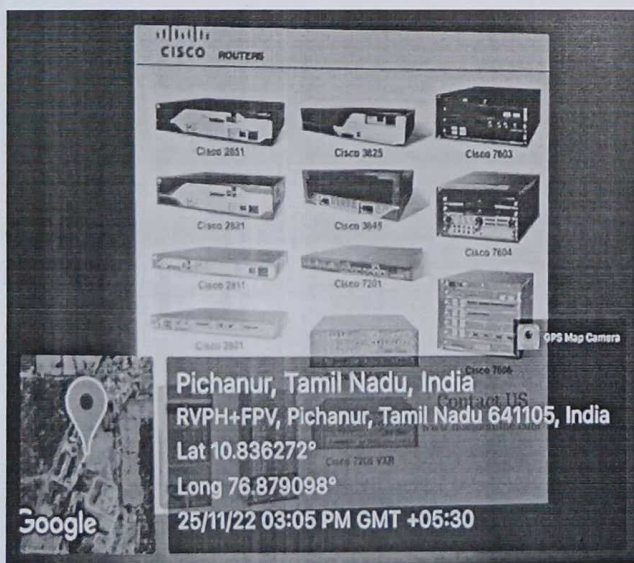
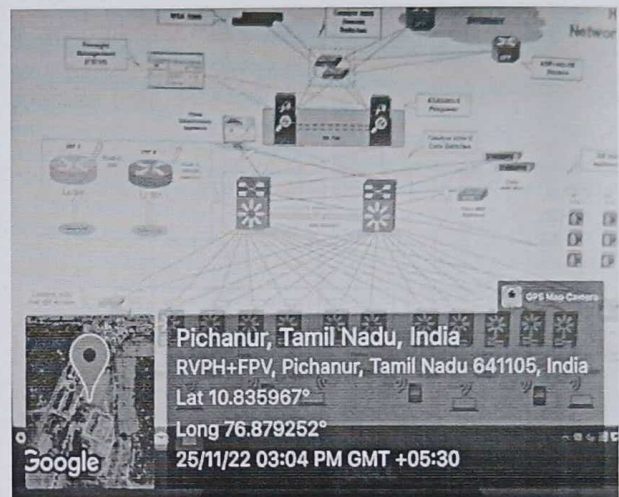
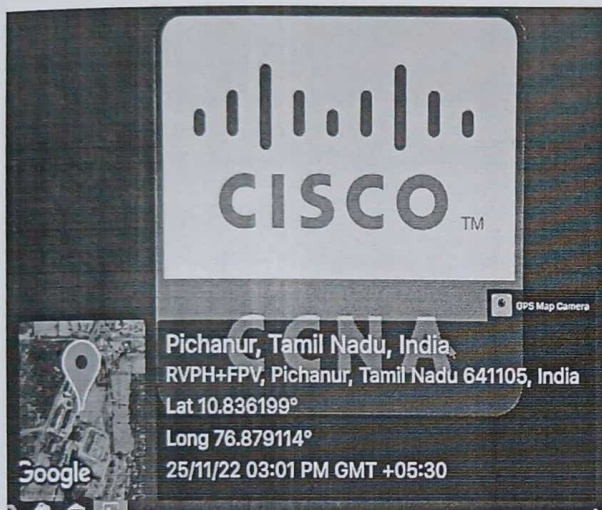
The Institute has adopted different innovative and experiential learning practices such as Integrated Academic Management System (IAMS) and Skill Development through Industry sponsored Laboratories.

The Entrepreneurship and Employability skills are being imparted through the Laboratories established by the support of Messer Automobiles, IPCS Automations and CISCO

Messer Automobiles helps to work smarter and faster to compete with the industry world. IPCS Automations stimulates learning environment and gives exposure to latest technologies for students. CISCO helps students in gaining practical exposure via real CISCO devices and live equipment's promoting innovative ideas leading to elevated professional growth. The company has set up the incubation centre at our campus. The exposure towards the industry environment helps the Students to shape their behavioural attitude.

JCT College of Engineering and Technology is having Ingenious Power & Control Systems laboratory facilities. Through this IPCS research-oriented and progressive approach offers perfect automation solutions to a vast array of industries which include but are not confined to software, marine and construction engineering. We have been providing industries with services ranging from proposing and installing to the absolute commissioning

of an automated system, Level 1 and Level 2 automation systems completely adhering to the industry standards. Capitalizing on its long-term industrial experience in Automation sector, IPCS, CISCO conducts various training programs specially tailored for Professionals, Corporate Companies and Colleges. IPCS provides a well-disposed and stimulating study environment addressing the intellectual, professional and leader development of students. The training programs provide the best practice in the latest technologies, trends and challenges in the immensely competitive areas of automation and embedded technologies.

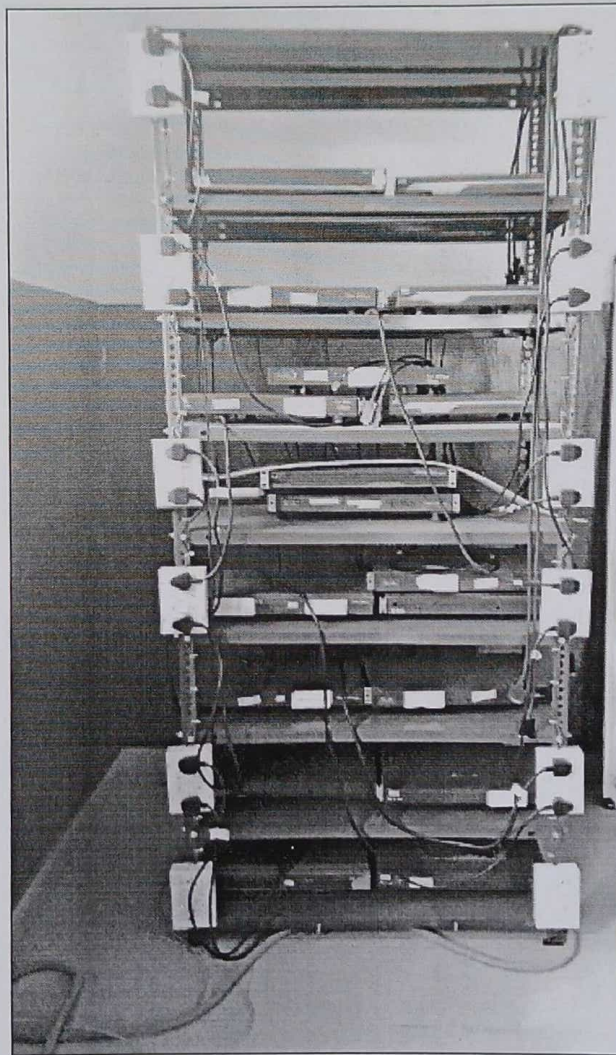


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Avatar Academy Sponsored CISCO Network Laboratory

MOU has been signed between JCT and Avatar Academy and training on CISCO courses CCNA was offered to the students, which help them in gaining practical exposure via real CISCO devices and live equipments promoting innovative ideas leading to elevated professional growth. The company has set up the incubation centre at our campus.



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Skill development through industry sponsored laboratories (IPCS)

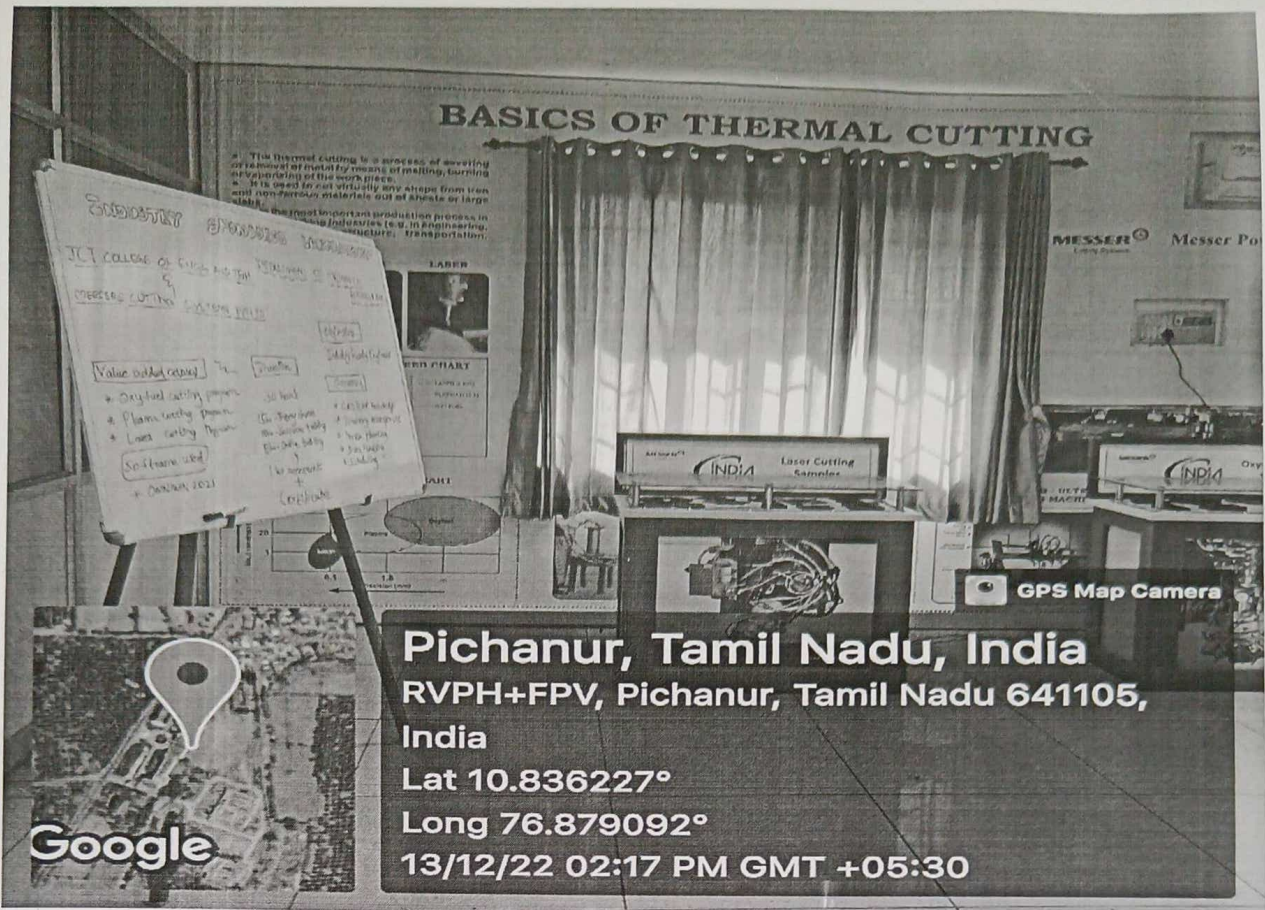
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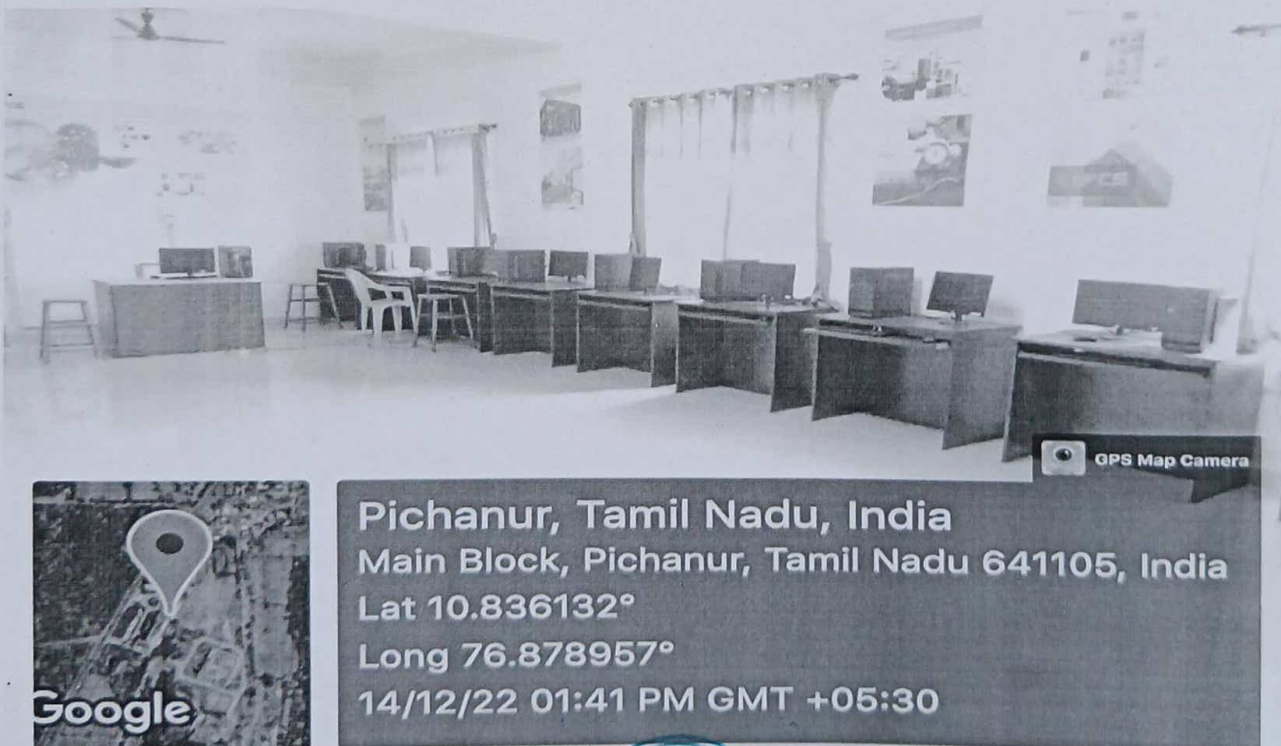


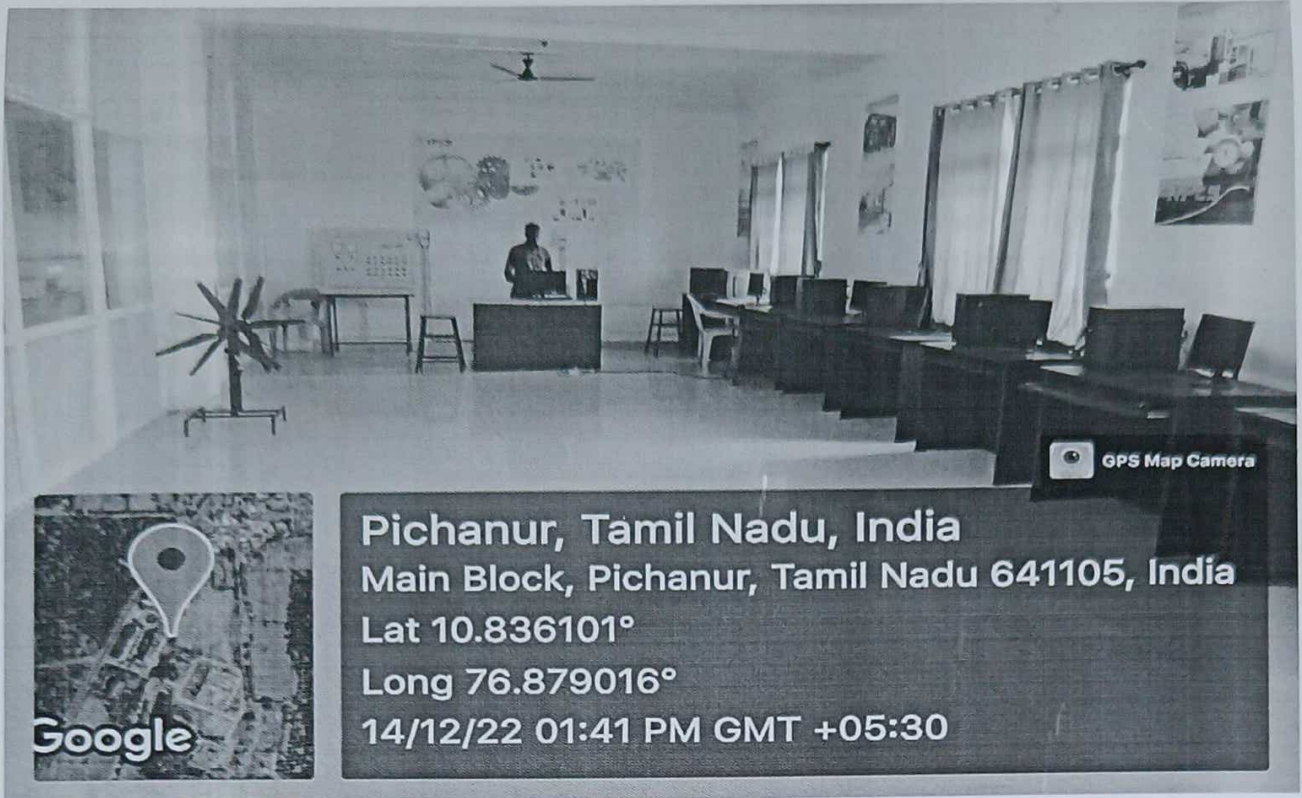
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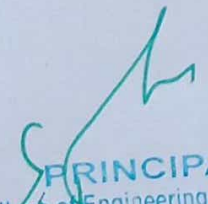




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Long 76.879016°
14/12/22 01:41 PM GMT +05:30



Pichanur, Tamil Nadu, India
Main Block, Pichanur, Tamil Nadu 641105, India
Lat 10.836145°
Long 76.878949°
14/12/22 01:42 PM GMT +05:30


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