

NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY T. M. Palayam, Coimbatore-641 105



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	2.3.2 Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), e-learning resources etc.				
S.No	Description	Page No			
1	Description about teachers using ICT for effective teaching with Learning Management Systems (LMS), e-learning resources etc.	2			
2	Teaching Learning reports	4			
3	Faculty using e-learning resources and List of ICT used (sample)	30			
4	ICT facilities	34			

2.3.2 AVERAGE PERCENTAGE OF TEACHERS USING ICT FOR EFFECTIVE TEACHING WITH LEARNING MANAGEMENT SYSTEMS (LMS), E-LEARNING RESOURCES ETC.

The innovation in teaching is necessary to engage the students for the course. At the end of the course, the average students will excel in performance and attain the course outcome within-depth knowledge. To overcome the difficulties of slow and inactive learners for attaining the course outcome, it is necessary to renovate the teaching methodology. A few innovative learning methods like Google classroom, online education, project-based learning, and activity-based learning provoke the inactive or slow learners to be more active in learning the course. The current generation students are smart minded learners so the teaching may be modified to their satisfaction. In this, the usage of ICT tools would facilitate the learners to be an active participation with the teachers in the class room environment.

In the pandemic time also the learners were encouraged and motivated by attend the MCQ, Quiz questions through innovative teaching methodology and also demonstrated the concepts through video learning which rejuvenated their mind in interactive learning.

Our Institute facilitates relevant Information and Communication Technology tools for effective teaching and learning. The Information and Communication Technology (ICT) tools are the latest technology used among students. ICT facilitated classrooms such as LCD projectors with Wi-Fi facilities are provided to enable the students to visualize the concepts being taught.

Our institute builds a bridge between students and technology through Content Management System (CMS) by providing resources and materials for various courses. Content Management system provision also incorporates Google Classroom teaching to make each individual participate eagerly. Google Classroom enables students to access materials like course plan, lecture materials, question bank with answers, sample university question papers, Formula book, assignments and tutorials by the students anywhere digitally through students' mail id.

We also craft education by conducting quiz, brainstorming and discussion through the Kahoot tool. This Kahoot learning game involves the entire students in the class to play the quiz on time basis utilizing their phones.

Faculty members teach their concepts clearly by presentation, animations, video lectures to students through smart board teaching and NPTEL videos. Our Institute provides a gateway to access the course materials and videos opted by NPTEL to enhance students' understanding capability.

Course teachers help the students to hone their skills through participative learning exercises such`as CLG–Collaborative Learning Group, SOLE -Self Organizing Learning Environment, Group Discussion, Case Studies, Quiz, Demonstration of videos, Models, Charts, etc.,

Faculties motivate a few students to present technical seminars on some topics using PowerPoint presentation to support learning methods and the same was recorded and uploaded inYouTube link for students' references.

Class advisors create a Whatsapp group to communicate information and to share study materials for preparation during examinations.

We create interest towards Research activities by insisting our students to update the recent technology by referring various journals through Digital library, DEL NET, Science Direct, Library Web pages, DIGI MAT digital repository, NDLI links.

Teaching Learning reports



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Teaching Learning Report

Department Name	AERONAUTICAL ENGINEERING
Academic Year	2020-21 (Even Semester)
Name of the Faculty I/C	Mrs.B.Nandhini
Name of the Subject	BE8253 Basic Electrical Electronics and Instrumentation Engineering
Class / Semester	1 /II SEMESTER
Date / Time /Duration	8.04.2021 /10.55am-11.50am /45 minutes
Total No of Beneficiaries	50 Students
Topic of the Activity	Construction Details of D.C Motors
Innovative Pedagogy ICT Activity	Video demonstration
Tool Used in the Pedagogy Activity If	Google meet

- 1. To Introduce the Construction of D.C Motor
- 2.To understand about working of D.C Motor

Outcome of the activity:

1. The students will be able to outline the Construction, Working, specifications and applications of D.C Motor

Video Evidence of Interactive Session	NIL
Photo Evidence of Interactive Learning by the students	Construction details of BC Mechine A D C machine consists mainly of two part the stationary port called state and the rotating put called articles (n) note: The inside parts are: 1 York: 2 State very and windings: 3 Armatine 4 Commutator and brash arrangement 5 Shaft and Other mechanical parts Mean that gares Magnetic neutral Magnetic neutral
B. Nordhu Event Coordinator	Armature Pole since S S IQAC Department Coordinator

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Department of Electrical and Electronics Engineering



Teaching Learning Report

Department Name	AERONAUTICAL ENGINEERING			
Academic Year	2020-21 (Even Semester)			
Name of the Faculty I/C	Mrs.B.Nandhini			
Name of the Subject	BE8253 Basic Electrical Electronics and Instrumentation Engineering			
Class / Semester	I /II SEMESTER Section -B			
Date / Time /Duration	18.05.2021 /10.55am-11.50am /45 minutes			
Total No of Beneficiaries	55 Students			
Topic of the Activity	Working Principle of Sensors and Transducers			
Innovative Pedagogy ICT Activity	Video demonstration			
Tool Used in the Pedagogy Activity If any	Fool Used in the Pedagogy Activity If any Google meet			
Objective of the activity: 1. To Introduce the working cond 2.To understand about working of Outcome of the activity: 1. The students will be able to understand about the activity.	concepts of transducer			
Video Evidence of Interactive Session NIL				
nandhini b (Pres N. NERAIWIN S NICHENAMETLA Photo Evidence P. PAVAN KUMAR	What are Sensors and			
of Interactive PONDUGULACHI Learning by the S SKHAWAJA	a de la companya della companya della companya de la companya della companya dell			
Students Shabharish L Sneha Nair VISHNU BHARATHI				
B Nandlin Event Coordinator	IQAC Department Coordinator			

Dr. P. MANIIARASAN

Principal

Nehru Institute of Engg. & Technology

M Palavan: Coimbatore - 541 481



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Teaching Learning Report

Department Name		ELECTRICAL AND ELECTRONICS ENGINEERING			
Academic Year		2020-21 (ODD Sem)			
Name of the Faculty I/C		Mrs.B.Nandhini			
Name of the Subject		EE6703 Power System Operation and Control			
Class / Semester		IV /VII SEMESTER			
Date / Time /Duration		7/10/2020 /2.00 p.m-4.00 p.m /2 hours			
Total No of Beneficiari	es	35 Students			
Topic of the Activity		Internal Exam			
Innovative Pedagogy ICT Activity		Protection in Electrical System			
Tool Used in the Pedagogy Activity If any		Google Form			
Objective of the activi 1. To Test the performa		in the Subject			
Outcome of the activit 1. The students and the system operation and C	Faculty will be able	e to analyze Student's performance in the topic: Introduction of Power Control			
Video Evidence of Interactive Session	NIL				
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Photo Evidence of		responsible to the state of the			
Interactive Learning		4			
by the students		.			
4					
Event Coordinator	IQAC I	Department Coordinator			

Dr. P. MANIIARASAN Nehru Institute of Engg. & Technology
FM. Palavam. Coimbatore - 641 102



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Department of Electrical and Electronics Engineering

Teaching Learning Report

Department Name	ELECTRICAL AND ELECTRONICS ENGINEERING		
Academic Year	2020-21 (ODD Semester)		
Name of the Faculty I/C	Mrs.B.Nandhini		
Name of the Subject	OAN551 Sensors and Transducers		
Class / Semester	III /V SEMESTER		
Date / Time /Duration	8.04.2021 /10.55am-11.50am /45 minutes		
Total No of Beneficiaries	12 students		
Topic of the Activity	Characteristics of Sensors		
nnovative Pedagogy ICT Activity	Video demonstration		
Tool Used in the Pedagogy Activity If any	Google meet		
Objective of the activity:			
. To Introduce the Characteristics of Sen	sors		
Outcome of the activity: The students will be able to understand			

Video Evidence of Interactive Session

NIL

Photo Evidence of Interactive Learning by the students

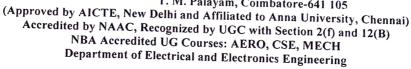


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Dr. P. MANIIARASAN
Principal
Wehru Institute of Engg. & Technology
and Palayam, Coimbatore - 641 101

T. M. Palayam, Coimbatore-641 105





Teaching Learning Report

Department Name		Electrical and Electronics Engineering		
Academic Year		2020-21 (EVEN SEMESTER)		
Name of the Faculty	I/C	Mr.A.Arulkumar		
Name of the Subject		EE8451/ Linear Integrated circuits and applications		
Class / Semester		II /IV SEMESTER		
Date / Time /Duration		09.02.2021/11.00am-11.50am /50 minutes		
Total No of Beneficia	aries	5 Students		
Topic of the Activity	y	Basic planer process of IC fabrication		
Innovative Pedagogy	ICT Activity	Video demonstration		
Tool Used in the Peda	agogy Activity If	Google meet		
Objective of the active 1. To understand the S	Steps involved in I	C Fabrication		
Outcome of the activ	ity:	fabrication process of IC		
Video Evidence of Interactive Session	NIL			
Photo Evidence of Interactive Learning by the students It satisface Chemister It satisface It sa				
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Event Coordinator IQAC Department Coordinator				

Dr. P. MANIJARASAN

Principal

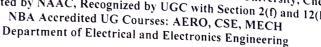
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Teaching Learning Report

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am-11.50am /50 minutes
nd its application
ation

Objective of the activity:

1. To understand the Z-Transform and its applications

Outcome of the activity:

1. The students will be able to know the Z-Transform and Its applications

1. The students will be	be able to know the Z-Transform and its applications	
Video Evidence of Interactive Session	NIL	
Photo Evidence of Interactive Learning by the students	Find the impulse response of difference equation $y(n)-1/2y(n)=2x(n)$ Source: Form the 2-transform of the stoke difference equation as part $y(n)-1/2y(n)=2x(n)$ Source: Form the 2-transform of the stoke difference equation as part $y(n)-1/2y(n)=2x(n)$ $y(n)-1/2y(n)=2x(n)$ And Additional Properties: $y(n)-1/2y(n)=2x(n)$ Properties: $y(n)-1$	CO CHIEF CARA

A - Aullu Event Coordinator

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IQAC Department Coordinator

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Nehru Institute of Engg. & Technology
IM.Palayam, Coimbatore - 641 104





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Teaching Learning Report

	·
Department Name	Mechanical Engineering and Mechatronics Engineering
Academic Year	2020-21 (Even Semester)
Name of the Faculty I/C	Dr.R.Anand
Name of the Subject	BE8253 / BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING
Class / Semester	I/II SEMESTER
Date / Time / Duration	19.04.21 /10.55am-11.50am /45 minutes
Total No of Beneficiaries	49 Students
Topic of the Activity	Independent and Dependent sources
Innovative Pedagogy ICT Activity	Video demonstration
Tool Used in the Pedagogy Activity If any	Google meet
Objective of the activity:	
To Introduce the Independent and D	and the second

- 1. To Introduce the Independent and Dependent sources
- 2.To understand the Independent and Dependent sources

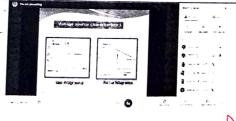
Outcome of the activity:

1. The students will be able to outline the Independent and Dependent sources

Video Evidence of Interactive Session

NIL

Photo Evidence of Interactive Learning by the students



Event Coordinator

A. Anus IQAC Department Coordinator HoD

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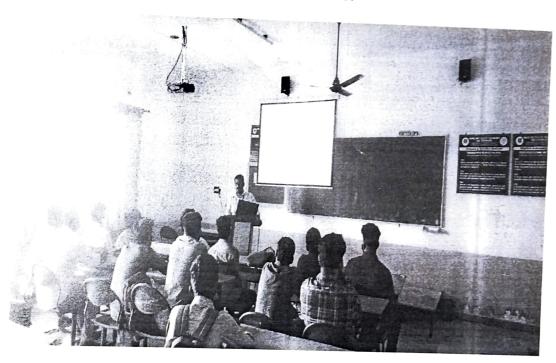
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DEPARTMENT OF MECHANICAL ENGINEERING

Academic year 2020 - 2021

ICT TOOL MECHANICAL ENGINEERING, IV YEAR



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PRINCIPAL

Nehru Institute of Engineering and Technology Nehru Gardens Americanavampaiayam,

Colmoatore - 541 105.



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DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic year 2020 – 2021 ICT TOOL

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Dr. P. MANII ARASAN

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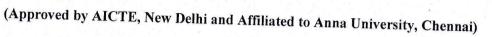
Faculty using e-learning resources and List of ICT used

ICT for effective teach				NT 1		
Number of teachers	Number of		Number of ICT	Number of smart	E-resources	
using ICT (LMS, e-	teachers on	ICT tools and resources	enabled	classroo	and techniques	
Resources)	roll	available	classrooms	ms	used	Link of the relevant documents
		NIET -Content			Lectures	https://nietcms.nehrucolleges.co
		Management System				m
		NPTEL			Presentation	https://nptel.ac.in/
		NDLI			Group	https://ndl.iitkgp.ac.in/
					Discussion	
		DIGITAL LIBRARY			e-resources	https://www.youtube.com/chann
						el/UCnZRG2UY5NX-
						_bCVG_f0wlw
		DEL NET			Quiz	https://www.delnet.in
		SCIENCE DIRECT			Animation	http://www.sciencedirect.com/
		LIBRARY WEB			e-resources	https://sites.google.com/view/pkd
147	147	PAGES	56	5		asknowledgefort
		N-LIST			e-resources	https://nlist.inflibnet.
		DIGIMAT DIGITAL			e-resources	https://kb.digimat.in/
		REPOSITORY				
		КАНООТ			Demonstration	https://kahoot.it/
		GOOGLE MEET			Presentation,	https://workspace.google.com/
					Document	
					sharing	
		GOOGLE CLASS			Sharing files	https://classroom.google.com/
		ROOM				





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Department of Electrical and Electronics Engineering

Innovation and creativity in teaching-learning

Academic year 2020-2021

S.No	Course Name	Class	Innovation and creativity in teaching-learning method	Topic of the Subject
1	OAN551-Sensors	III EEE	(ICT Tools used) Video demonstration	
	And Transducers		Video demonstration	Characteristics of sensors
2	EE6703 Power System Operation And Control	IV EEE	Video demonstration	Speed governing mechanism
3	BE8253 Basic Electrical Electronics And Instrumentation Engineering	II AERO -A	Video demonstration	Construction Details of D.C Motors
4	BE8253 Basic Electrical Electronics And Instrumentation Engineering	II AERO - B	Video demonstration	Working Principle of Sensors and Transducers
5	EE86002- Protection And Switch Gear	III EEE	Online internal exams, assignment, material sharing	Ill internal examination
6	EE8391 Electromagnetic Theory	II EEE	Video demonstration	Electric Field due to Charged circular Disc and line charge
7	EE8591/Digital Signal Processing	III EEE	Video demonstration	distribution Discrete time
8	EE8451/ Linear Integrated Circuits	II EEE	Video demonstration	Basic planer process of IC

9	And Applications			
	EE8018/Micro		Video demonstration	fabrication
	Controller Based System Design	IV EEE	raco demonstration	PIC architecture
10	OEC753/Signal And Systems	IV EEE	Video demonstration	Types of Signal
11	BE8253 / Basic			Types of Signal
	Electrical,		Video demonstration	Independent and
	Electronics And	I MECH		Dependent
	Instrumentation Engineering			sources
12	E68401 Electrical Machines – I	II EEE	Video demonstration	Magnetic circuits
13	EE8353 Electrical			Brane chedits
,	Drives And Controls	II MECH	Video demonstration	Types of Electric drives

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Dr.R.KANNAN
PROFESSOR & MEAD
Department of Electrical & Blockenica Engineering
Nehru Institute of Engineering & Technology Colmbatore - 641 105.

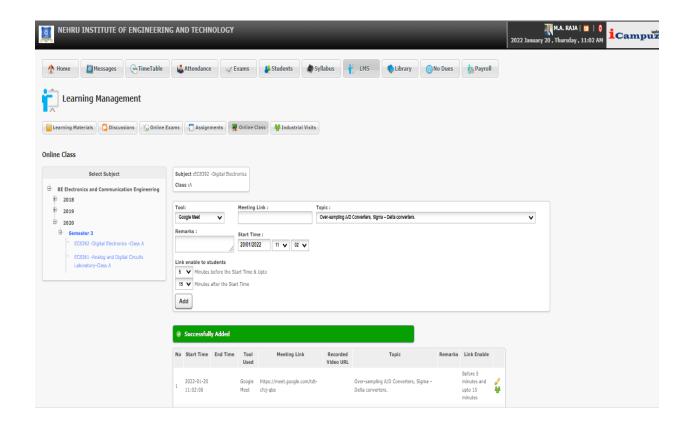
ICT facilities

ICT Facilities

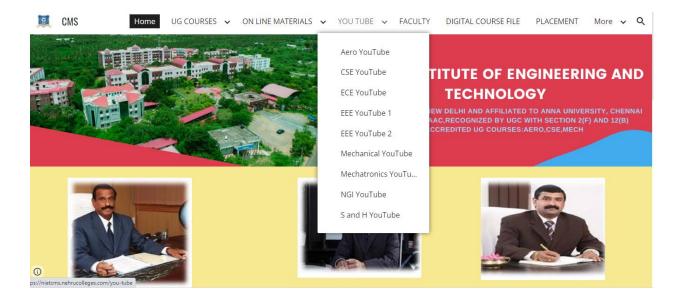
Room number or Name of classrooms/Seminar	Type of ICT facility	Link to geo tagged
Hall with LCD / wifi/LAN facilities with room		photos and master
numbers		time table
Dr. APJ.Adbulkalam Block:Hall No-401	LCD Projector with Wi-Fi facility	View Detail
Dr.APJ. Adbulkalam Block:Hall No-402	LCD Projector with Wi-Fi facility	View Detail
Dr.APJ. Adbulkalam Block:Hall No-409	LCD Projector with Wi-Fi facility	View Detail
Dr.APJ. Adbulkalam Block:Hall No-413	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-405	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-406	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-412	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-410	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block:Hall No-110	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block:Hall No-112	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block:Hall No-113	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block:Hall No-111	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block:Hall No-012	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-105	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-107	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-108	LCD Projector with Wi-Fi facility	View Detail
Dr.APJ.Adbulkalam Block:Hall No-109	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-110	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-101	LCD Projector with Wi-Fi facility	View Detail
Dr.APJ. Adbulkalam Block:Hall No-102	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-106	LCD Projector with Wi-Fi facility	View Detail
Dr. APJ.Adbulkalam Block:Hall No-012	LCD Projector with Wi-Fi facility	View Detail

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Ramanujan Block :Hall NO-312	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block :Hall.No-101	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block :Hall.No-105	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block :Hall.No-109	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block- HALL NO-013	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block- HALL NO-009	LCD Projector with Wi-Fi facility	View Detail
Ramanujan Block- HALL NO-013	LCD Projector with Wi-Fi facility	View Detail



Icampuz Tool used for Online Class



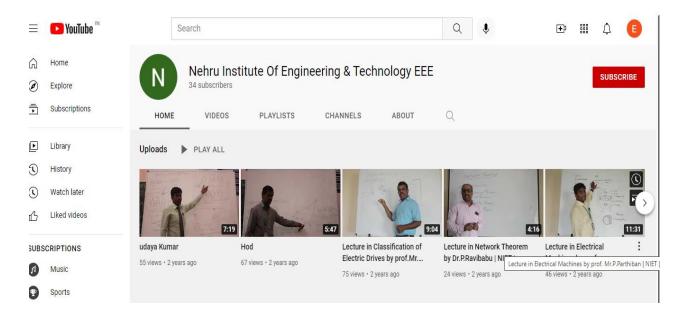
Content Management System

ENMANCED BY Google

ABOUT PK DAS KNOWLEDGE FORT

The PK Das Knowledge Fort (Central Library) is built on an area of 30,000 Sq.ft. The library has developed an excellent collection of books, journals and non-book materials in Science, Engineering, Technology, Humanities and Management. It maintains separate collections of reference books, standards, and back volumes of journals, technical reports and compact discs. The library is using Auto Lib OPAC (Online Public Access Catalogue) and the users can search the Library Online Catalogue by author's name, title, subject, and keywords available on the campus LAN. The total collection of library stands for 28316 volumes and 198 National and International journals and Magazine.

Digital Library



YouTube Videos



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