

ICT TOOLS

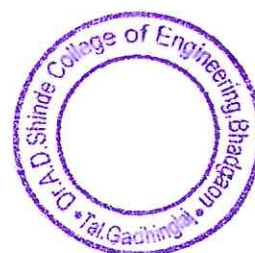
Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process



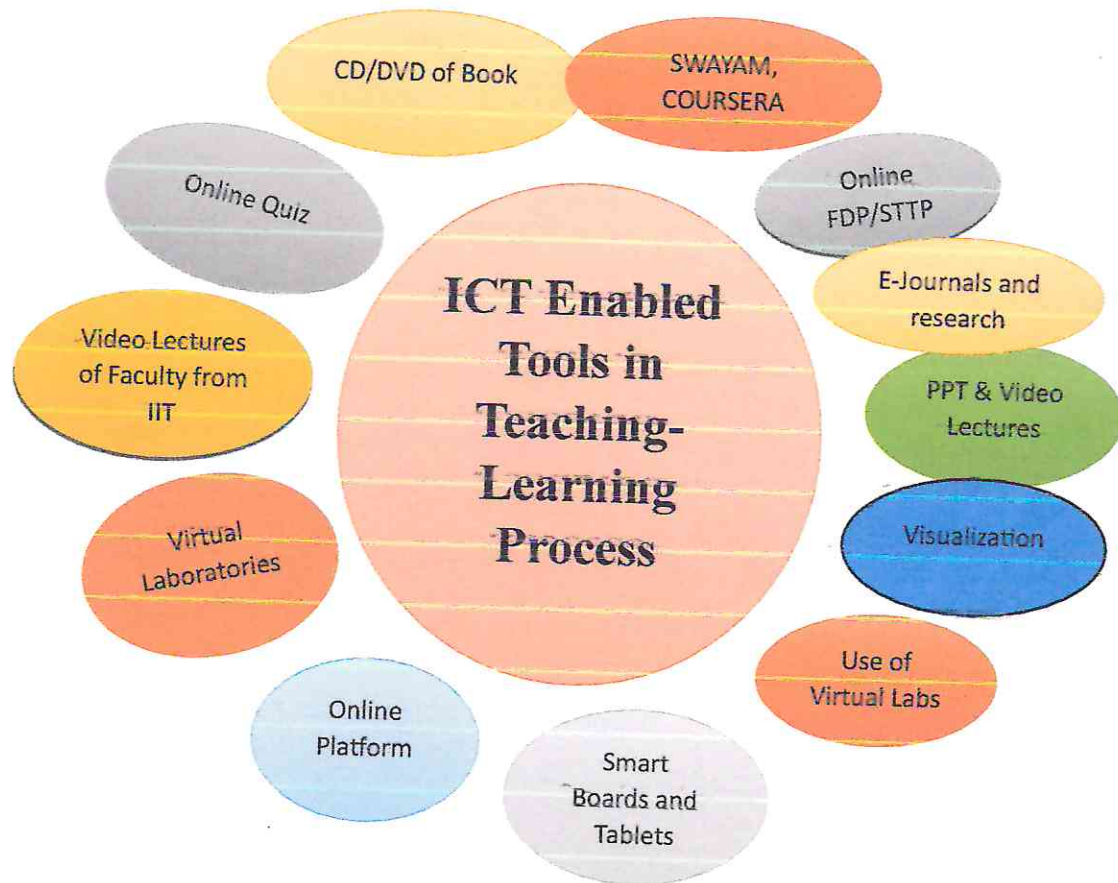
Dinkarrao K. Shinde Smarak Trusts

Dr. A. D. Shinde College of Engineering, Bhadgaon

Sr. No.	Name of the Activity	Purpose of Activity
1	Technical Competitions like Tech-manthan, Project Competitions	The purpose for conducting such a competition for sharing their projects ideas with the world
2	Participation in Paper Presentation Competition / Publications / Conferences.	Participation in Conferences helps to exchange knowledge also helps students to gain deeper insights after meeting people and make meaningful connections, and bring back valuable ideas and strategies.
3	Extra and Co-curricular Activities	Co-curricular activities improve the learning experiences of students, help them identify and develop their inner talents like creative & public speaking skills, leadership qualities, etc.
4	Quiz Solving and Group discussion	It encourages active participation, exchange of ideas and boosts confidence of students when they are able to provide the solutions by themselves. It improves their analytical thinking and problem-solving skills to a great extent.



ICT Enabled Tools in Teaching-Learning Process



ICT Enabled Tools in Teaching-Learning Process

Index

Sr. No	Tools
1	Swayam
2	Online FDP/STTP
3	Digital Platforms
4	E-Journals
5	PPT & Video Lectures
6	Visualization
7	Smart board
8	Online Platforms
9	Virtual Laboratories
10	Online Quiz
11	CD/DVD of Books
12	Video Lectures of Faculty from IIT

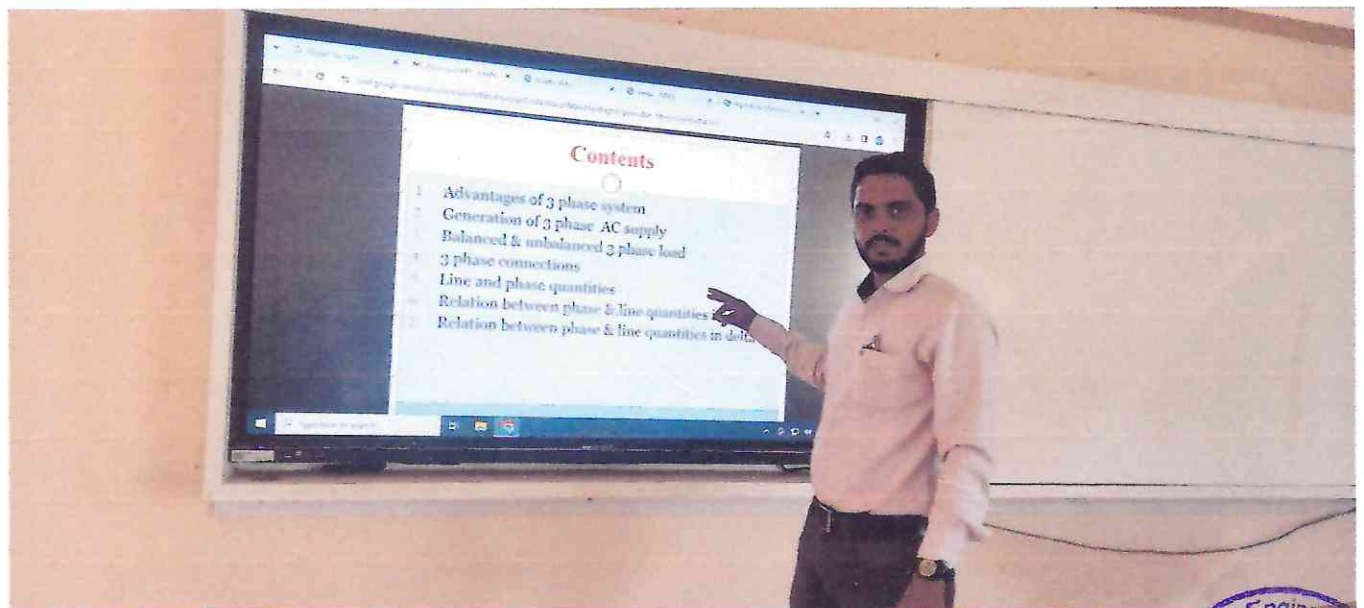
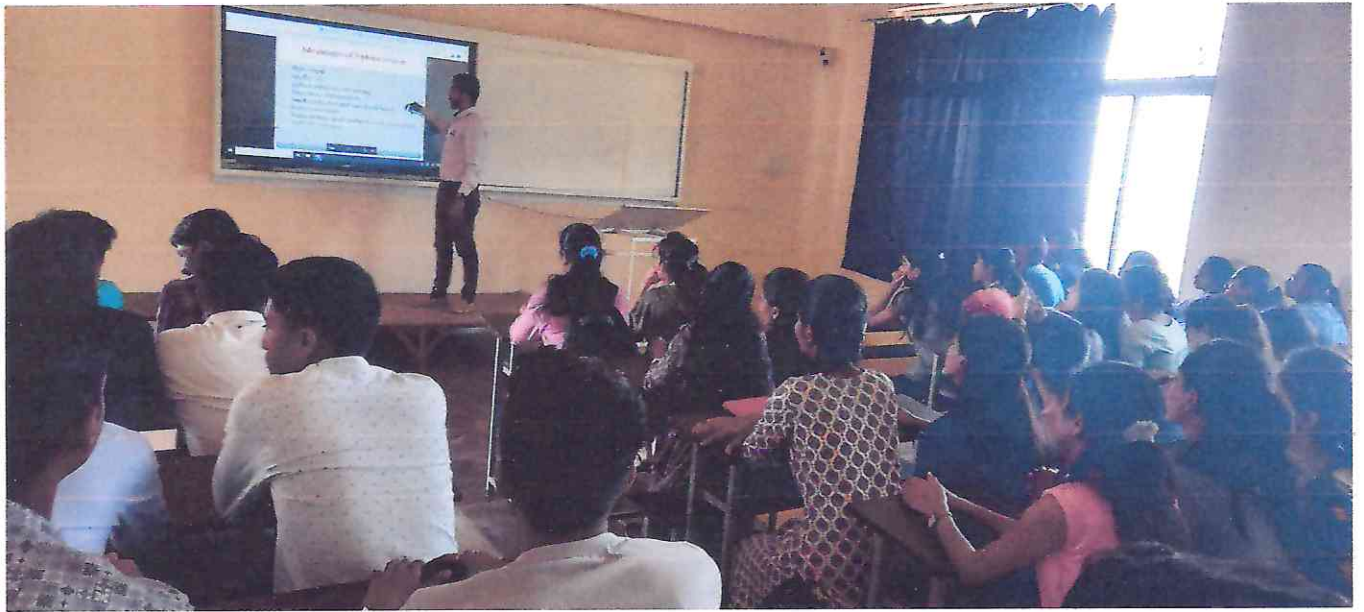


Dinkarrao K. Shinde Smarak Trusts

Dr. A. D. Shinde College of Engineering, Bhadgaon

Sr. No	Name of activity	Purpose
1	Digital Platform	The main aim of Digital Platforms is to enhance the collaboration between end-users and producers to transact with each other. These platforms enable users to share different information like new products and services and connect the platform's ecosystem





Analysis of DC Circuits

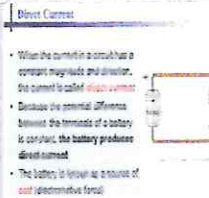
PRESENTED BY,
PROF. A. M. DESAI
 DEPARTMENT OF ELECTRICAL ENGINEERING
DR. A. D. SHINDE COLLEGE OF
ENGINEERING, BBAD GAON.

Contents

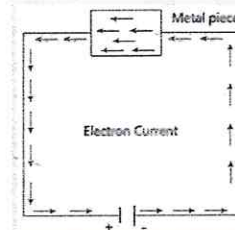
1. Fundamental of DC circuits
2. Concept of EMF
3. Potential difference
4. Current
5. Resistance
6. Ohms Law
7. Kirchhoff's Law
8. Mesh and node analysis
9. Numericals

Fundamental of magnetic circuit

On a DC circuit, current flows in one direction only. Voltage can remain at a level or change, but it always has the same polarity. The main source of DC is from batteries, photocells, fuel cells, rectifiers and DC generators. The most fundamental equation describing DC circuits is Ohm's Law.

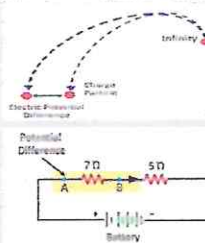


Concept of EMF



- It is defined as the electrical force that causes to move the electrons in particular direction. It is denoted by E and its unit is volts.
- $\epsilon = V + Ir$
- V is the voltage of the cell
- I is the current across the circuit
- r is the internal resistance of the cell
- ϵ is the electromotive force

Potential difference



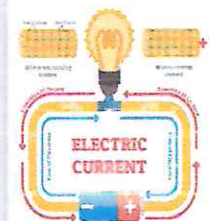
- The difference in potential between two points that represents the work involved or the energy released in the transfer of a unit quantity of electricity from one point to the other. It is denoted by PD and its unit is volts.

Potential Difference Video

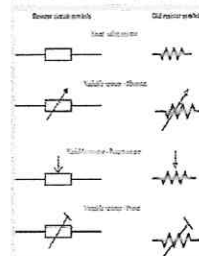
- concept of potential difference

Current

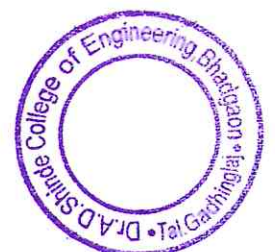
- It is defined as the movement of electrons or flow of electrons in a conducting material. It is denoted by I and its unit is ampere.



Resistance

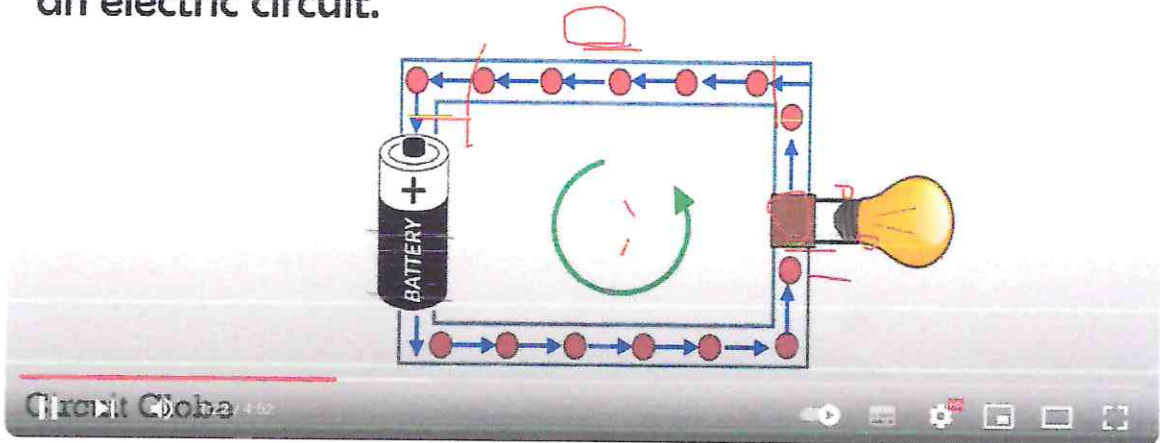


- Resistance is a measure of the opposition to current flow in an electrical circuit. Resistance is measured in ohms, symbolized by the Greek letter omega (Ω). Ohms are named after Georg Simon Ohm (1784-1854), a German physicist who studied the relationship between voltage, current and resistance.



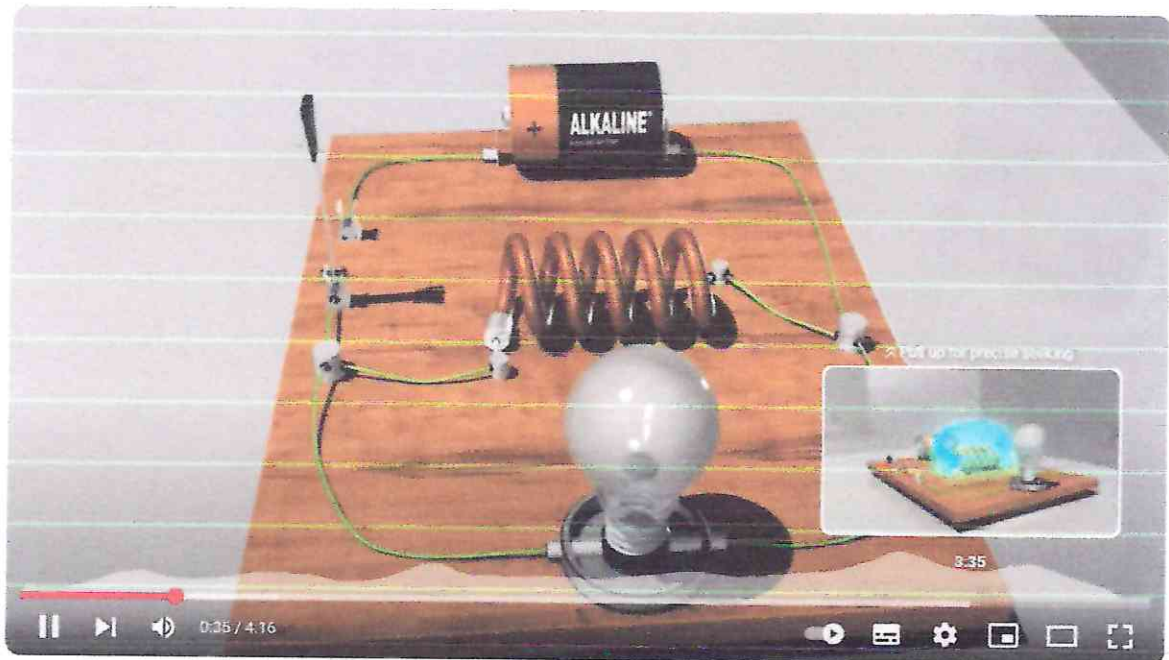
Electric Current

The electric current is the continuous flow of electrons in an electric circuit.



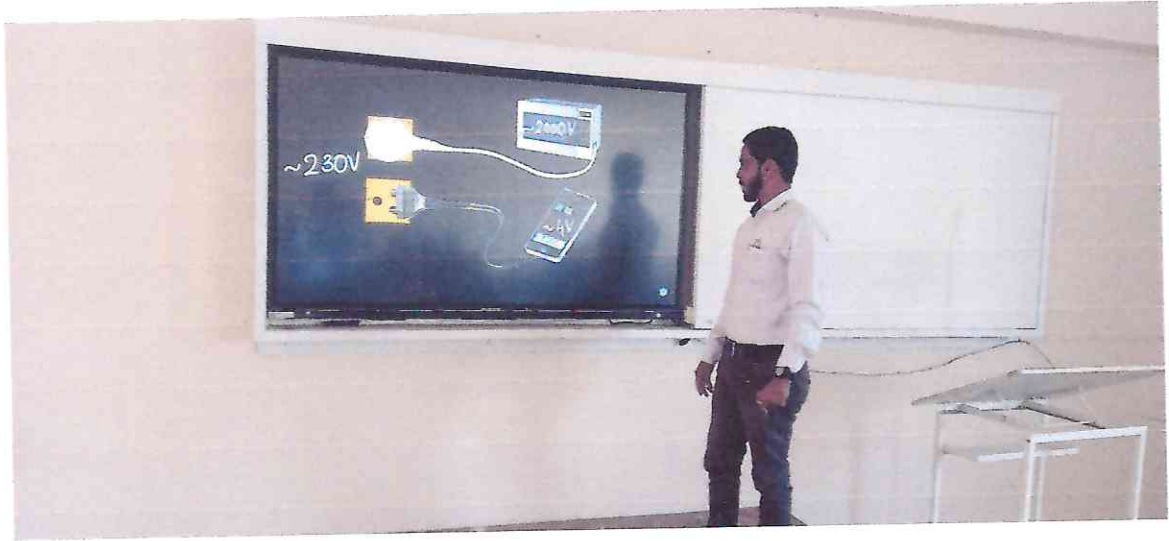
What is Electric Current? Definition & Direction of flow of current

Video Demonstration during Lecture



How Electromotive Force Works

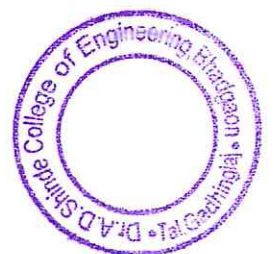




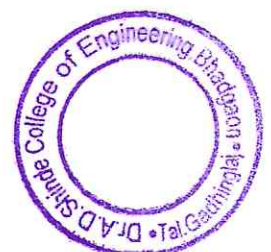
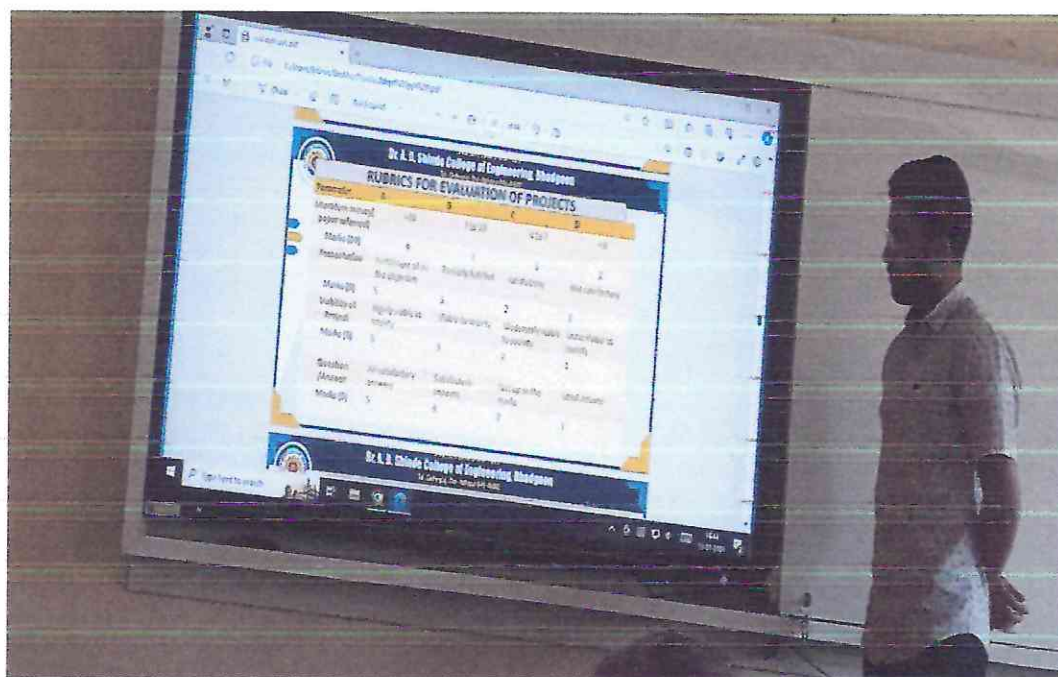
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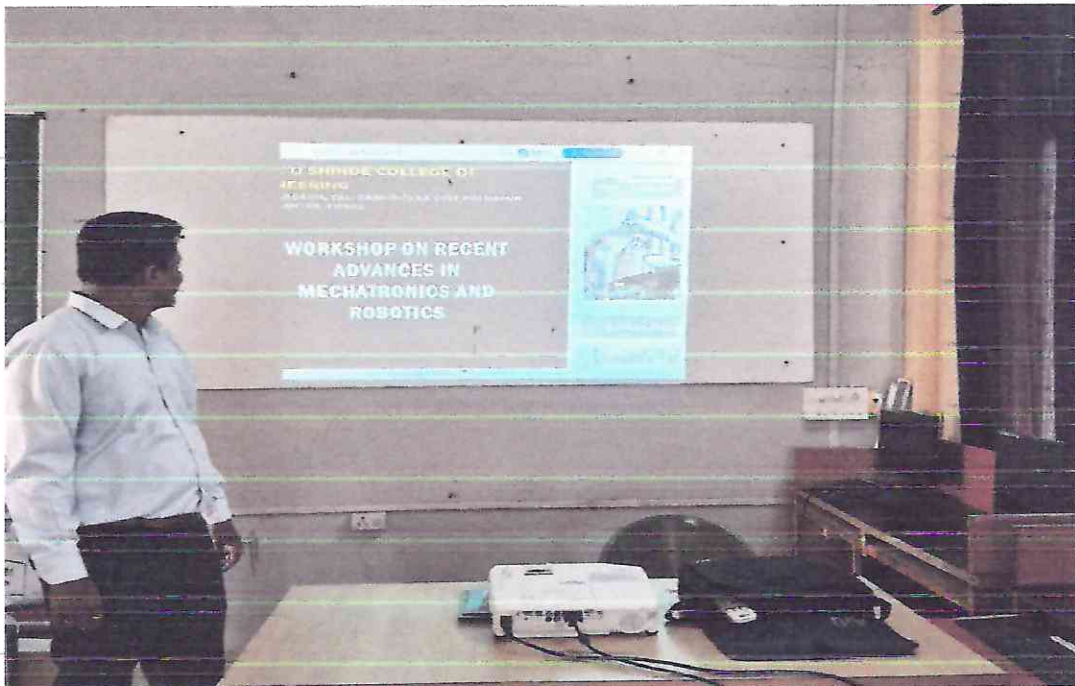
Sr. No	Name of activity	Purpose
1	Smart Board	Smart Board approach helps the instructor to adopt innovative content delivery style. It improves student learning, enhances literacy, and boosts attentiveness.
2	LCD Projector	An LCD projector is a type of video projector for displaying video, images or computer data on a screen or other flat surface. It is a modern equivalent of the slide projector or overhead projector.



Smart Board

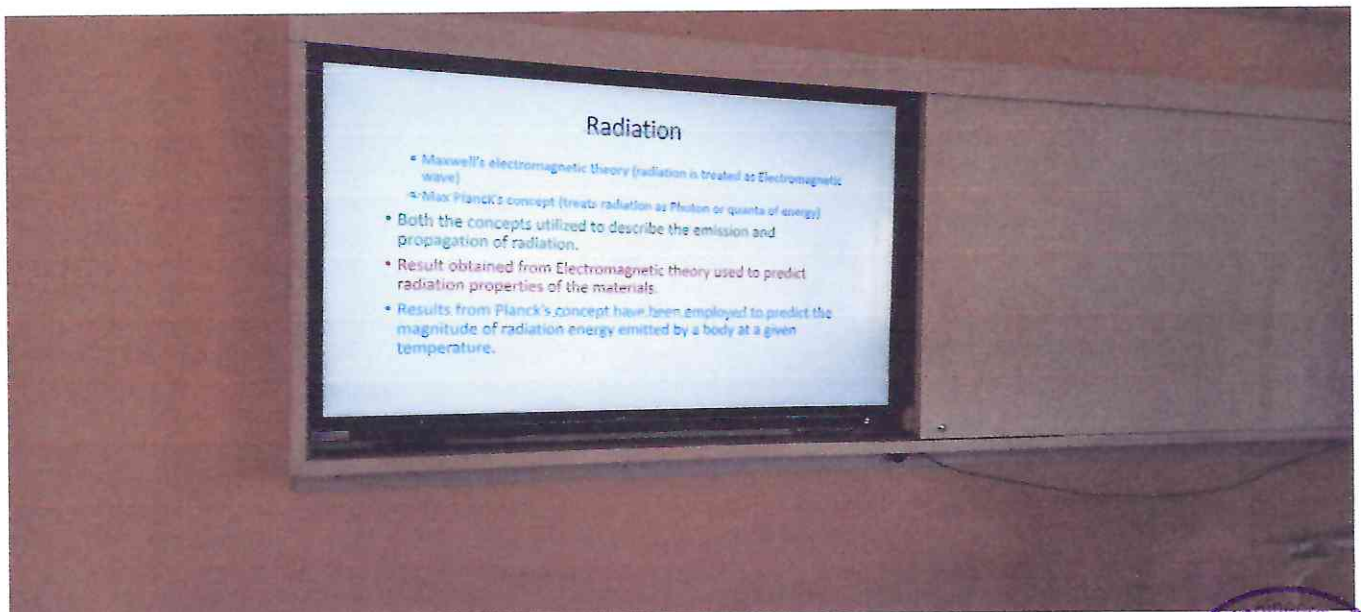


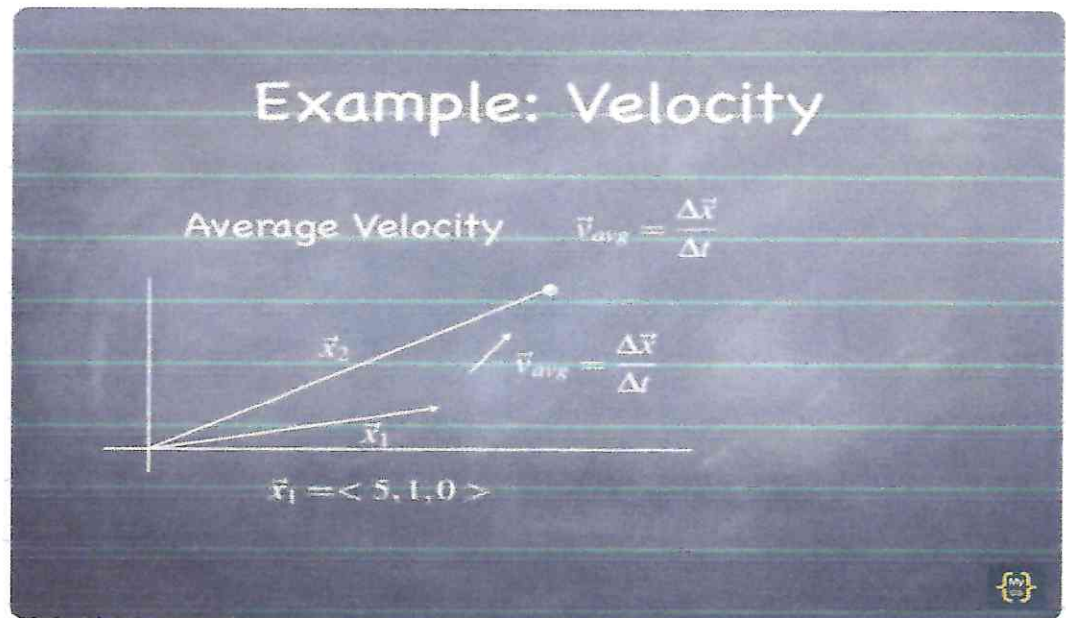
LCD Projector



**Digital Platform to
Improve
Teaching Concepts**

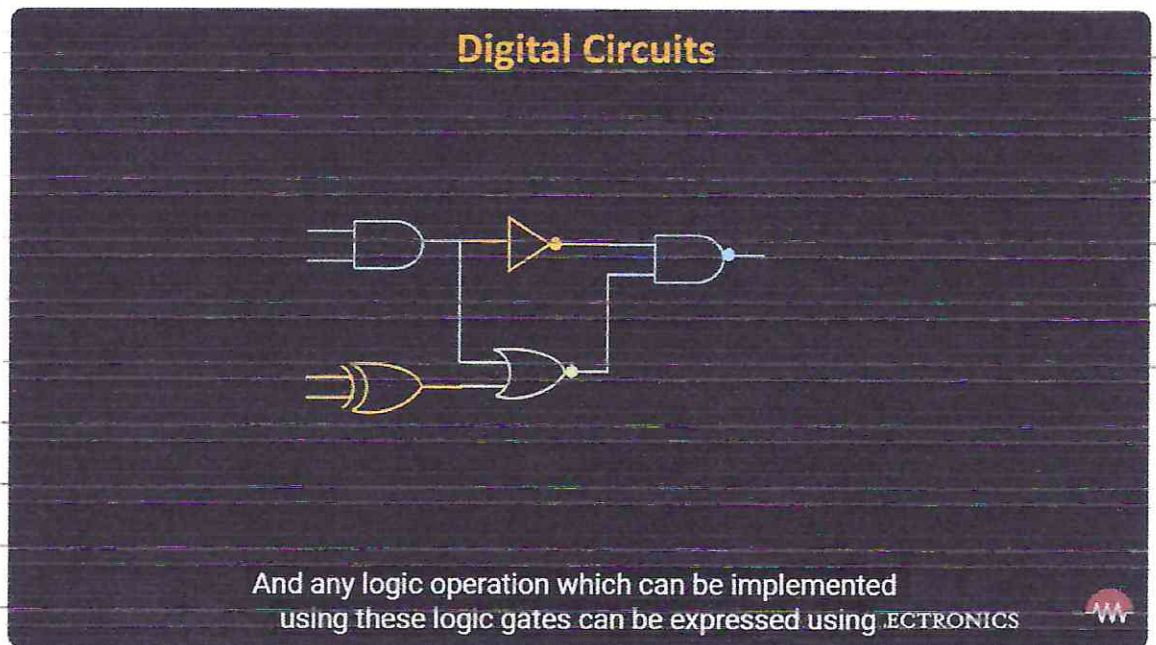






Classical Mechanics Lecture Full Course || Mechanics Physics Course

You Tube Platform



Introduction to Digital Electronics



Virtual Lab Platform



Virtual Labs
An MoE Govt of India Initiative



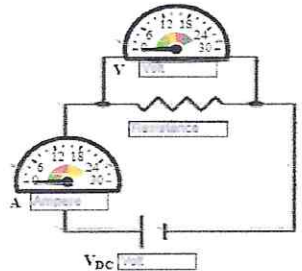
INSTRUCTION

EXPERIMENTAL TABLE

Resistance: K Ω

Serial No.	Voltage(Volt) V	Current(milliAmpere) mA

Ohm's Law



CONTROLS

DC Volt: Volt

Resistance: Kohms

GRAPH PLOT





Simulation of Polar 3D Printer Machine

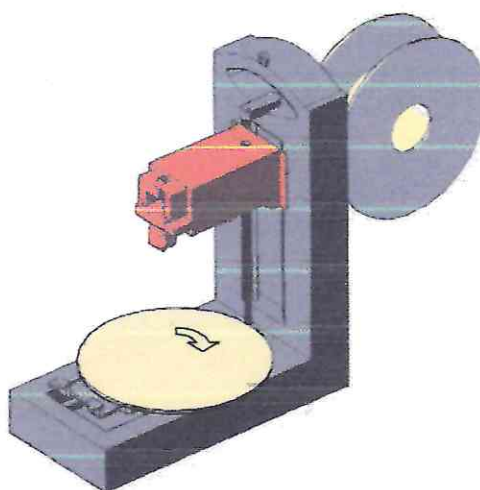
r-axis



y-axis



z-axis



Online Lectures

4:44 PM 14.2KB/s

4G LTE 43



About this call

People

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Activities

In call



Priyanka telvekar (You)
Meeting host



ajinkya desai



Amit Sarnaik



AVADHUT MHALU...



Jamir Tahasiladar



prasad kumbhar



Prasad Kumthekar



Pritesh Chavan



Sanket Naik



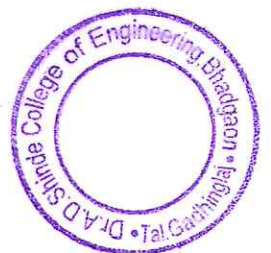
Shivendra Shinde

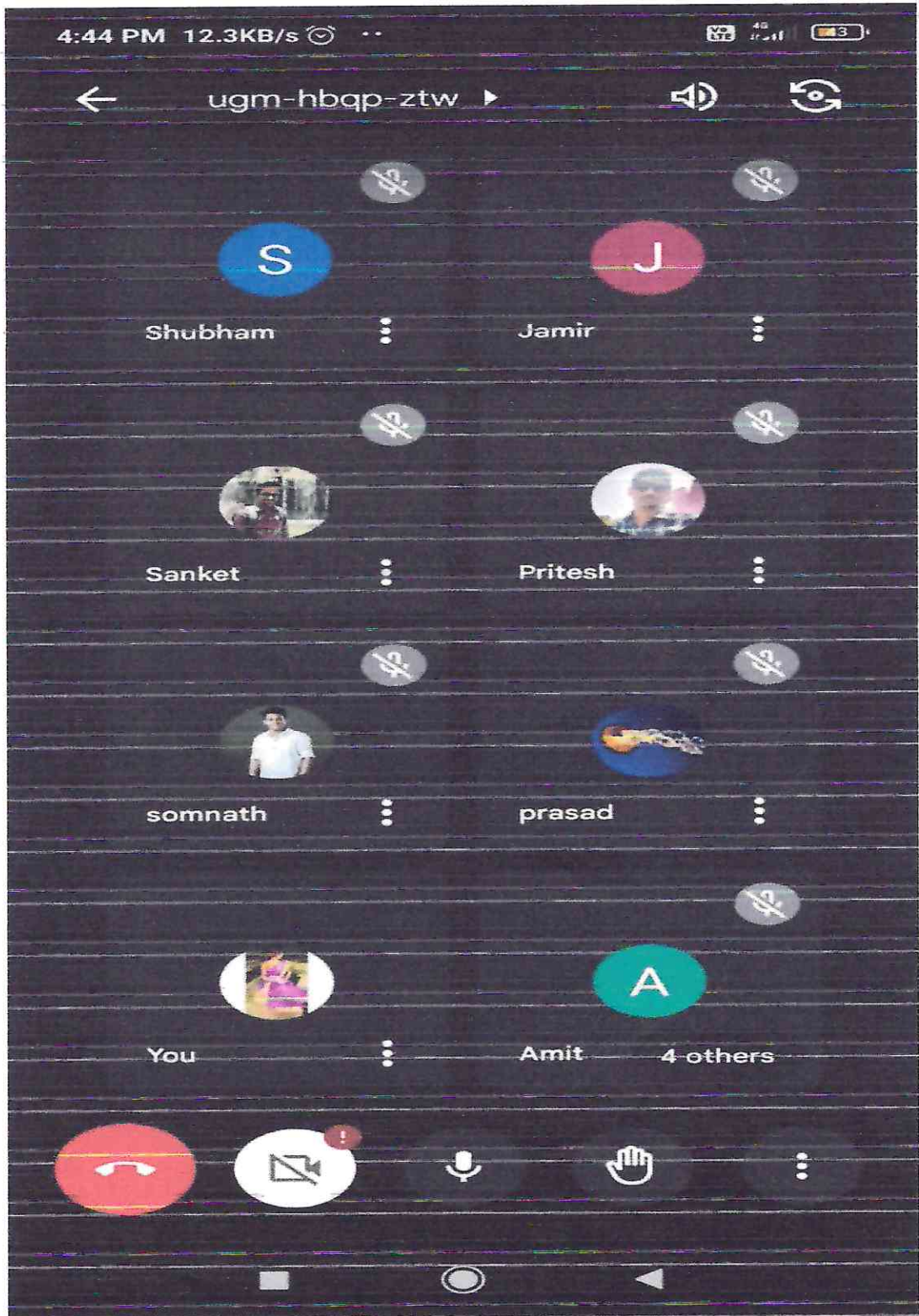


Shubham Kurade



Swapnil Hajare and 1 more have left





PPT & Video Lectures



E - Journals



Dinkarrao K. Shinde Smarak Trusts

Dr. A. D. Shinde College of Engineering, Bhadgaon

Sr. No	Name of activity	Purpose
1	E-Journals	An electronic journal is a periodical publication which is published in electronic format, usually on the Internet. Electronic journals have several advantages over traditional printed journals: You can search the contents pages and/or the full text of journals to find articles on a certain subject.



E - Journal

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IEI Publication

- IEI Springer Journal Series A
- IEI Springer Journal Series B
- IEI Springer Journal Series C
- IEI Springer Journal Series D
- IEI Springer Journal Series E
- IEI News Monthly Technical Activities
- IEI Diploma Monthly e-News Letter

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COncCour Portal - Online Courses



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 Dental E-journals
 Divyangjan (Persons with Special Needs)
 Education E-journals
 Engineering and Technology E-journals
 Fashion Technology
 Homeopathy
 Hotel Management E-journals
 Law E-journals
 Library and Information Technology E-journals
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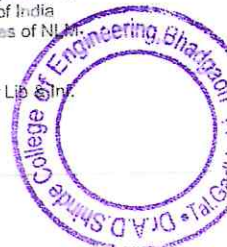
THESIS/DISSERTATIONS

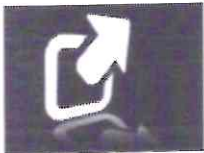
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 Cambridge Dictionary Online
 ODLIS : Online Dictionary for Librarians
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 Hobbies
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Profile of Member Libraries





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3.	AIMS Electrical and Electronics Engineering
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5.	Archives of Electrical Engineering
6.	Asian Journal of Electrical and Electronic Engineering
7.	Balkan Journal of Electrical and Computer Engineering
8.	Batteries (Scopus)
9.	Bulletin of Electrical Engineering and Informatics
10.	Chinese Journal of Electrical Engineering (Scopus)
11.	Electronics (Web of Science)
12.	Electronics Letters (Web of Science)
13.	EURASIP Journal on Audio, Speech, and Music Processing (Web of Science)
14.	EURASIP Journal on Image and Video Processing (Scopus) (Web of Science)
15.	European Journal of Electrical Engineering and Computer Sciences
16.	High Voltage (Scopus)
17.	IEEE Journal of the Electron Devices Society (Web of Science)
18.	IET Circuits, Devices & Systems (Web of Science)
19.	IET Electrical Systems in Transportation (Scopus)
20.	IET Generation, Transmission & Distribution (Scopus)
21.	IET Power Electronics (Scopus)
22.	IET Smart Grid (Scopus)
23.	International Journal of Antennas and Propagation (Web of Sciences)
24.	International Journal for Research in Electronics & Electrical Engineering
25.	International Journal of Advanced Research in Electrical Electronics and Instrumentation Engineering
26.	International Journal of Advances in Computer and Electronics Engineering
27.	International Journal of Electrical and Electronic Engineering & Telecommunication
28.	International Journal of Electrical and Electronics Research
29.	International Journal of Electrical, Electronics and Data Communication
30.	International Journal of Engineering Research in Electrical and Electronic Engineering
31.	International Journal of Information and Electronics Engineering
32.	International Journal of Optomechatronics (Web of Science)
33.	Iranian Journal of Electrical and Electronic Engineering
34.	Journal of Electrical and Computer Engineering Innovations
35.	Journal of Electrical and Electronic Engineering
36.	Journal of Electrical and Electronic Systems
37.	Journal of Electrical Electronics Engineering
38.	Journal of Electrical Engineering and Electronic Technology
39.	Journal of Electrical Engineering, Electronics, Control and Computer Science
40.	Journal of Electrical, Electronics and Informatics
41.	Journal of Electromagnetic Engineering and Science (Web of Science)
42.	Journal of Informatics Electrical and Electronics Engineering
43.	Journal of Modern Power Systems and Clean Energy (Web of Science)
44.	Nano- Micro Letters (Scopus)
45.	NPI Flexible Electronics (Scopus)
46.	Nanophotonics (Scopus)
47.	Opto-Electronic Advance (Scopus)
48.	Sensing and Bio-Sensing Research (Scopus)
49.	Turkish Journal of Electrical Engineering and Computer Sciences
50.	Universal Journal of Electrical and Electronic Engineering

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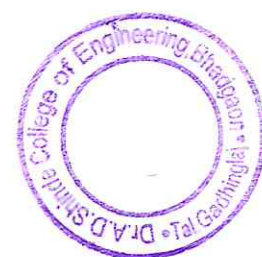
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2.	Advanced Industrial and Engineering Polymer Research
3.	Advances in Civil Engineering
4.	Advances in Materials Physics and Chemistry
5.	Advances in Materials Science and Engineering
6.	Ain Shams Engineering Journal
7.	Alexandria Engineering Journal
8.	American Journal of Engineering and Applied Sciences
9.	Annals of the Faculty of Engineering Hunedoara
10.	Applications of Modelling and Simulation
11.	Applied Computational Intelligence and Soft Computing
12.	Archives of Civil Engineering
13.	Arid Zone Journal of Engineering, Technology and Environment
14.	ARPJ Journal of Engineering and Applied Sciences
15.	Atmospheric Measurement Techniques
16.	Australasian Journal of Construction Economics and Building
17.	AUT Journal of Civil Engineering
18.	Bulletin of Materials Science
19.	Ceramica
20.	Civil and Environmental Engineering
21.	Civil and Environmental Engineering Reports
22.	Civil and Environmental Science Journal
23.	Civil Engineering Dimension
24.	Civil Engineering Infrastructures Journal
25.	Civil Engineering Journal
26.	CivilEng
27.	Cleaner Engineering and Technology
28.	Coatings
29.	Cogent Engineering
30.	Computational Engineering and Physical Modeling
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33.	Design Science
34.	Designs
35.	Detritus Journal
36.	Developments in the Built Environment
37.	Electronic Journal of the Faculty of Civil Engineering Osijek
38.	Engineering
39.	Engineering Heritage Journal
40.	Engineering Journal
41.	Engineering Reports
42.	Engineering, Technology & Applied Science Research
43.	eXPRESS Polymer Letters
44.	FME Transactions
45.	Fracture and Structural Integrity
46.	Frontiers in Built Environment
47.	Geodinamica Acta
48.	Graevinar Civil Engineer
49.	Heritage and Sustainable Development
50.	IET Smart Cities
51.	IETI Transactions on Ergonomics and Safety
52.	Indian Journal of Engineering & Materials Sciences
53.	Infrastructures



54.	International Journal for Computational Civil and Structural Engineering
55.	International Journal for Service Learning in Engineering
56.	International Journal of Concrete Structures and Materials
57.	International Journal of Corrosion
58.	International Journal of Disaster Risk Science
59.	International Journal of Engineering and Geosciences
60.	International Journal of Engineering and Technology Innovation
61.	International Journal of Engineering Research and Applications
62.	International Journal of Geo-Engineering
63.	International Journal of Nano Dimension
64.	International Journal of Rotating Machinery
65.	ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences
66.	Japan Architectural Review
67.	Journal of Accessibility and Design for All
68.	Journal of Applied Engineering and Technological Science
69.	Journal of Applied Volcanology
70.	Journal of Civil Engineering and Management
71.	Journal of Civil Engineering, Science and Technology
72.	Journal of Design and the Built Environment
73.	Journal of Disaster and Emergency Research
74.	Journal of Engineering and Technological Sciences
75.	Journal of Engineering Science
76.	Journal of Engineering Science and Technology Review
77.	Journal of Engineering Sciences and Innovation
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81.	Journal of Materials and Engineering Structures
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85.	Journal of Research and Innovation for Sustainable Society
86.	Journal of Risk Analysis and Crisis Response
87.	Journal of Rock Mechanics and Geotechnical Engineering
88.	Journal of Soft Computing in Civil Engineering
89.	Journal of Sustainable Architecture and Civil Engineering
90.	Journal of Sustainable Construction Materials and Technologies
91.	Journal of Sustainable Design and Applied Research in Innovative Engineering of the Built Environment
92.	Journal of the Civil Engineering Forum
93.	Latin American Journal of Solids and Structures
94.	Magazine of Civil Engineering
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99.	Nordic Journal of Surveying and Real Estate Research
100.	Open Civil Engineering Journal
101.	Organization, Technology and Management in Construction: An International Journal
102.	Research Journal of Applied Sciences, Engineering and Technology
103.	Research Letters in Nanotechnology
104.	Safety & Fire Technique
105.	Selected Scientific Papers: Journal of Civil Engineering
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8.	AI
9.	Ajis : Australasian Journal of Information Systems
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11.	Applied Computational Intelligence and Soft Computing
12.	Applied Computer Science
13.	Applied Computer Systems
14.	Baltic Journal of Modern Computing
15.	Brain, Broad Research in Artificial Intelligence and Neuroscience
16.	CAAI Transactions on Intelligence Technology
17.	Cognitive Computation and Systems
18.	Communications and Network
19.	Computation
20.	Computational Communication Research
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22.	Computational Engineering and Physical Modeling
23.	Computational Intelligence and Neuroscience
24.	Computational Social Networks
25.	Computer and Information Science
26.	Computer Science
27.	Computer Science and Information Systems
28.	Computers
29.	Computers and Education Open
30.	Crosstalk : Journal of Defense Software Engineering
31.	Digital Studies
32.	Database : the Journal of Biological Databases and Curation
33.	Digital Culture & Education
34.	Data Science and Engineering
35.	Discover Internet of Things
36.	Discrete and Continuous Models and Applied Computational Science
37.	EAI Endorsed Transactions on Cloud Systems
38.	Egyptian Informatics Journal
39.	e-Informatica Software Engineering Journal
40.	E-learning and Education
41.	Electronic Communications of the EASST
42.	Electronic Proceedings in Theoretical Computer Science
43.	Engineering Letters
44.	EURASIP Journal on Information Security
45.	First Monday
46.	Foundations of Computing and Decision Sciences
47.	Frontiers in Artificial Intelligence
48.	Frontiers in Computer Science
49.	Frontiers in Robotics and AI
50.	Future Internet
51.	Game Studies
52.	GigaByte
53.	Graphics and Visual Computing



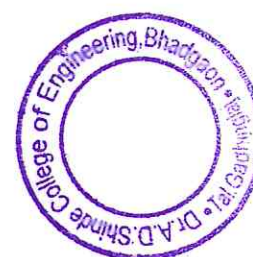
54.	Human Technology
55.	IAENG International Journal of Computer Science
56.	IEEE Open Journal of the Computer Society
57.	IET Computers & Digital Techniques
58.	IET Cyber-systems and Robotics
59.	IET Image Processing
60.	IJAIN (International Journal of Advances in Intelligent Informatics)
61.	IJID (International Journal on Informatics for Development)
62.	Indian Journal of Computer Science and Engineering
63.	IJIE (Indonesian Journal of Informatics Education)
64.	Information Technology Journal
65.	Intelligent Control and Automation
66.	Intelligent Information Management
67.	Interdisciplinary Journal of Information, Knowledge, and Management
68.	The International Arab Journal of Information Technology
69.	International Journal of Ad Hoc, Sensor & Ubiquitous Computing
70.	Informatics in Education
71.	International Journal of Advanced Computer Sciences and Applications
72.	International Journal of Artificial Intelligence & Applications
73.	International Journal of Applied Mathematics and Computer Science
74.	International Journal of Communication Networks and Information Security
75.	International Journal of Computer Games Technology
76.	International Journal of Computer Networks & Communications
77.	International Journal of Computer Science & Information Technology
78.	International Journal of Computer Science and Communication
79.	International Journal of Computer Science and Engineering Survey
80.	International Journal of Computer Science and Information Technologies
81.	International Journal of Computer Science and Management Studies
82.	International Journal of Computer Science Issues
83.	International Journal of Computer Science, Engineering and Applications (IJCSEA)
84.	International Journal of Computational Methods and Experimental Measurements
85.	International Journal of Computer Applications Technology and Research
86.	International Journal of Database Management Systems
87.	International Journal of Distributed and Parallel Systems
88.	International Journal of Distributed Sensor Networks
89.	International Journal of Doctoral Studies
90.	International Journal of Education and Development using Information and Communication Technology
91.	International Journal of Future Generation Communication and Networking
92.	International Journal of Hybrid Information Technology
93.	International Journal of Image, Graphics and Signal Processing
94.	International Journal of Computers Communications & Control
95.	International Journal of Information Engineering and Electronic Business
96.	International Journal of Information Technology and Computer Science
97.	International Journal of Intelligent Systems and Applications
98.	International Journal of Managing Information Technology
99.	International Journal of Modern Education and Computer Science
100.	International Journal of Multimedia & Its Applications
101.	International Journal of Network Security
102.	International Journal of Network Security & Its Applications
103.	International Journal of Reconfigurable Computing
104.	International Journal of Signal and Image Processing
105.	International Journal of Simulation : Systems, Science and Technology
106.	International Journal of Web & Semantic Technology
107.	International Journal on Electrical Engineering and Informatics
108.	International Journal of Information Security Science
109.	IoT
110.	ISEL Academic Journal of Electronics, Telecommunications and Computers
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112.	JITeCS (Journal of Information Technology and Computer Science)
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114.	Jordanian Journal of Computers and Information Technology
115.	Journal of Applied Computer Science & Mathematics
116.	Journal of Artificial Intelligence and Data Mining
117.	Journal of Cloud Computing: Advances, Systems and Applications
118.	Journal of Communications Software and Systems
119.	Journal of Computational Geometry
120.	Journal of Computer and Robotics
121.	Journal of Computer Networks and Communications
122.	Journal of Computer Science and Technology
123.	Journal of Computer Systems, Networks, and Communications
124.	Journal of Computing Research and Innovation
125.	Journal of Data and Information Science
126.	Journal of Electrical Systems and Information Technology
127.	Journal of Intelligent Systems
128.	International Journal on Smart Sensing and Intelligent Systems
129.	Journal of Internet Services and Information Security
130.	International Journal on Soft Computing
131.	Journal of Open Source Software
132.	The Journal of Artificial Intelligence Research
133.	Journal of Machine Learning Research
134.	Journal of Software Engineering Research and Development
135.	Journal of Universal Computer Science
136.	Knowledge Engineering and Data Science
137.	Logical Methods in Computer Science
138.	Machine Learning: Science and Technology
139.	Mathematical and Computer Modelling of Dynamical Systems
140.	Journal of Software Engineering and Applications
141.	Journal of Systemics, Cybernetics and Informatics
142.	Journal of Theoretical and Applied Information Technology
143.	Neuromorphic Computing and Engineering
144.	Open Computer Science
145.	PeerJ Computer Science
146.	Proceedings on Privacy Enhancing Technologies
147.	Scientific Phone Apps and Mobile Devices
148.	Scientific Programming
149.	Soft Computing Letters
150.	SoftwareX
151.	South African Computer Journal
152.	Signal & Image Processing
153.	Supercomputing Frontiers and Innovations
154.	Systems, Signs & Actions
155.	Theory and Applications of Mathematics & Computer Science
156.	Transactions on Data Privacy
157.	The International Journal on Advances in ICT for Emerging Regions
158.	Vietnam Journal of Computer Science
159.	Virtual Reality & Intelligent Hardware
160.	Wireless Sensor Network

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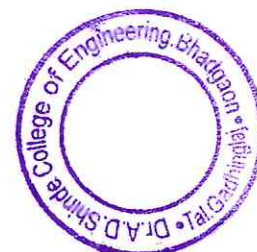
Access E-Journals



Sr.No.	Mechanical Engineering
1.	Acta Mechatronica
2.	Advances in Mechanical Engineering
3.	Advances in Tribology
4.	American Journal of Mechanical Engineering
5.	Archive of Mechanical Engineering
6.	Chinese Journal of Mechanical Engineering
7.	Engineering Applications of Computational Fluid Mechanics
8.	Facta Universitatis. Series: Mechanical Engineering
9.	Friction
10.	Frontiers in Mechanical Engineering
11.	International Journal of Automotive and Mechanical Engineering
12.	International Journal of Mechanical and Materials Engineering
13.	International Journal of Mechanical Engineering and Applications
14.	International Journal of Mechanical Engineering and Robotics Research
15.	International Journal of Turbomachinery, Propulsion and Power
16.	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
17.	JEMMME (Journal of Energy, Mechanical, Material, and Manufacturing Engineering)
18.	Jordan Journal of Mechanical and Industrial Engineering
19.	Journal of Applied Fluid Mechanics
20.	Journal of Computational and Applied Mechanics
21.	Journal of Engineering Mechanics and Machinery
22.	Journal of Low Frequency Noise, Vibration and Active Control
23.	Journal of Mechanical Engineering
24.	Journal of Mechanical Engineering and Sciences
25.	Journal of Mechanical Engineering and Technology
26.	Journal of Mechanical Engineering Research and Developments
27.	Journal of Mechanics
28.	Journal of Mechatronics, Electrical Power, and Vehicular Technology
29.	Journal of Renewable Energy and Mechanics
30.	Journal of Robotics
31.	Journal of the Mechanical Behavior of Materials
32.	Machines
33.	Mechanical Engineering Journal
34.	Mechanical Sciences
35.	Mechanics & Industry
36.	Modern Mechanical Engineering
37.	Periodica Polytechnica Mechanical Engineering
38.	ROBOMECH Journal
39.	Theoretical and Applied Mechanics Letters
40.	Tribology in Industry

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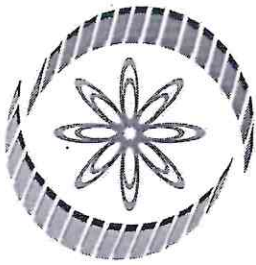
59	Sachin Dilip Dhole	noc24-me24	Introduction to Solidification Processing	2021072336	+91 72049 46949	male	Gadhinglaj	student	bachelor4yr	btch	Mechanical Engineering	None	-4	Jan-Apr 2024
60	Sahil Shivaji Horamble	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	2023038765	+91 82750 49905	male	Gadhinglaj	student	bachelor4yr	btch	Computer Science and Engineering	None	1	Jan-Apr 2024
61	Sakshi Amar Borgave	noc24-cs14	Artificial Intelligence: Knowledge Representation And R	202078636	+91 96208 11314	female	Chikodi	student	bachelor4yr	btch	Computer Science and Engineering	None	2	Jan-Apr 2024
62	Samruddhi Sakharani Ingavale	noc24-ee71	Communication Networks	2023077999	+91 76205 37748	female	Karvir	student	bachelor3yr	btch	Electronics and Communication Engineering	None	2	Jan-Apr 2024
63	Sarjerao Chandrakant Powar	noc24-ee66	Nonlinear and Adaptive Control		+91 99230 73774	male	Gadhinglaj	student	bachelor3yr	btch	Electrical Engineering	None	None	Jan-Apr 2024
64	Shailesh Chandrakant Chavan	noc24-ar03	Environmental Impact Assessment		+91 99230 73774	male	Gadhinglaj	student	bachelor3yr	btch	Electrical Engineering	None	None	Jan-Apr 2024
65	SHYAMALA TUKARAM BARGE	noc24-ma10	An Invitation to Topology		+91 93702 45867	female	Gadhinglaj	faculty	masters	masters	Civil Engineering	None	None	Jan-Apr 2024
66	Shreenivas	noc24-cs19	Computer Networks And Internet Protocol	8	+91 70387 83461	male	Gadhinglaj	faculty	masters	masters	Mathematics	None	None	Jan-Apr 2024
67	Shreya Kiran Ingawale	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	15	+91 83809 14047	female	Chandgad	student	bachelor4yr	btch	Computer Science and Engineering	None	2	Jan-Apr 2024
68	SHUBHAM JAYWANT DESAI	noc24-cs47	Software Testing	07	+91 83904 25236	male	Gadhinglaj	student	bachelor4yr	btch	Electrical Engineering	None	4	Jan-Apr 2024
69	Shubham Satappa Parit	noc24-ee10	Advanced topics in Wireless Communication (Hindi)		+91 73870 07854	male	Chandgad	student	bachelor4yr	btch	Computer Science and Engineering	None	1	Jan-Apr 2024
70	Shubham Satappa Parit	noc24-ee39	Design Of Power Electronic Converters		+91 73870 07854	male	Kagal	student	bachelor4yr	btch	Electrical Engineering	None	4	Jan-Apr 2024
71	Shweta Siddappa Bandi	noc24-cs11	Advanced Computer Networks		+91 95798 20911	female	Gadhinglaj	student	bachelor4yr	btch	Electrical Engineering	None	4	Jan-Apr 2024
72	SHRIPAD PUNDLIK BAGADI	noc24-ph02	A Brief Course On Superconductivity		+91 99605 44304	female	Gadhinglaj	student	bachelor3yr	btch	Computer Science and Engineering	None	2	Jan-Apr 2024
73	Samiksha suhas Kolekar	noc24-ee11	Analog Circuits		+91 96573 52321	female	Alara	faculty	masters	masters	Mechanical Engineering	None	None	Jan-Apr 2024
74	Mr. Suraj R. Wadgaule	noc24-ee46	Concrete Technology		+91 99700 35875	male	Gadhinglaj	faculty	pre_university	pre_university	Electronics and Communication Engineering	None	1	Jan-Apr 2024
75	Neha vishwas desai	noc24-cs14	Artificial Intelligence: Knowledge Representation And R	2023030677	+91 77190 37091	female	Alara	student	masters	masters	Civil Engineering	None	None	Jan-Apr 2024
76	Tejas Basavant Regade	noc24-cs11	Advanced Computer Networks	2023030287	+91 86985 43280	male	Gadhinglaj	student	bachelor4yr	btch	Computer Science and Engineering	None	1	Jan-Apr 2024
77	vaishnavi	noc24-cs14	Artificial Intelligence: Knowledge Representation And R	2023030287	+91 86985 43280	male	Gadhinglaj	student	bachelor4yr	btch	Computer Science and Engineering	None	1	Jan-Apr 2024
78	Varsharani Suresh Chothre	noc24-cs06	Advanced Computer Architecture	2023030065	+91 87666 43911	female	Satara	student	bachelor4yr	btch	Computer Science and Engineering	None	2	Jan-Apr 2024
79	Vikram Arun Kutre	noc24-cs02	Introduction to programming in C	08	+91 98815 98388	male	Chandgad	student	bachelor4yr	btch	Computer Science and Engineering	5,22271E+11	4	Jan-Apr 2024
80	Yogesh Narayan Patil	noc24-me13	Mechatronics	68	+91 86050 40911	male	Pune City	student	bachelor4yr	btch	Electronics and Communication Engineering	None	1	Jan-Apr 2024
81	Yogesh Narayan Patil	noc24-me54	Mechanics of Sheet Metal Forming	68	+91 86050 40911	male	Pune City	student	bachelor4yr	btch	Mechanical Engineering	None	4	Jan-Apr 2024



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This certificate is awarded to

MANALI PARASHARAM MOTURE

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **53** %

Online Assignments	22.81/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **9310**

Jan-Apr 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS19S459600728

To verify the certificate



No. of credits recommended: 3 or 4

Video Lectures from IIT



Video Lectures from IIT

Introduction to semiconductors

Course outline

How does an NPTEL online course work?

Basics of semiconductor physics

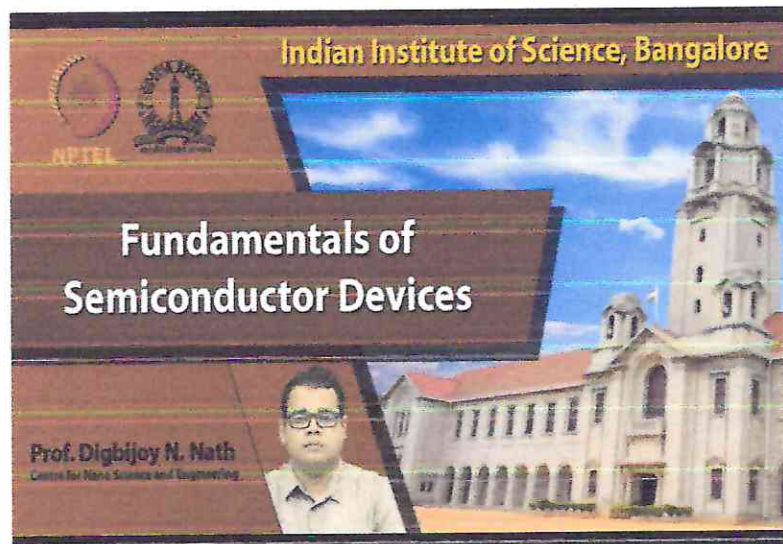
- Introduction to semiconductors
- Introduction to energy bands
- Fundamentals of band structure
- Band structure (contd.) and Fermi-Dirac distribution
- Density of states
- Quiz: Assignment 1

Equilibrium carrier concentration

Carrier transport

p-n junction

Applications of p-n junctions and details of metal-semiconductor junction



Ask a question

Lecture 01 : PMMC Instrument (M)

Course outline

How to access the portal

Week 0 : Assignment 0

Week 1

- A general advice
- Lecture 01 : PMMC Instrument (M)
- Lecture 02 : Electrodynamical Instrument (M)
- Lecture 03 : Demonstration of PMMC and Electrodynamical Instrument (Ad)
- Lecture 04 : Features of PMMC and Electrodynamical Instrument (M)
- Lecture 05 : Moving Iron Instruments (M)
- Lecture 06 : Demonstration of Moving Iron Instrument (Ad)
- Lecture 07 : Electrostatic Instrument (M)
- Lecture 08 : Derivation of



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NPTEL » Electric Vehicles - Part 1

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Intro EV Historical_Background

Course outline

How does an NPTEL online course work?

Assignment Zero

Week 1

- Intro EV Historical_Background
 - Intro EV Benefits of Using Evc
 - Intro EV Overview of types of Evc and its Challenges
 - Intro EV Motor Drive Technologies
 - Intro EV Energy Source Technologies
 - Intro EV Battery Charging Technologies
 - Intro EV vehicle to Grid
 - Quiz: Assignment 1
 - Week 1 Feedback Form
- Week 2



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Lecture No 1: Basic Concepts, Examples

Course outline

How does an NPTEL online course work?

Week 0

Week 1

- Lecture No 1: Basic Concepts, Examples
 - Lecture No 2: Basic Concepts, Examples (Contd.)
 - Lecture No 3: Basic Concepts, Examples (Contd.)
 - Lecture No 4: Basic Concepts, Examples (Contd.)
 - Lecture No 5: Basic Laws
 - Lecture Material of Week 1
 - Quiz: Week 1 Assignment 1
 - Feedback for Week 1
- Week 2
- Week 3

