



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)

NAAC Accredited Institute and Inclusion under Section 2(f) & 12(B) of UGC Act

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Department Best Practices – Teaching & Learning

Department of ECE has always been in front end in imparting innovative teaching methodologies to ensure that students are always given an opportunity to learn the technical, cognitive and employability skills at every stage of their Engineering course through Innovative Classroom Teaching [ICT] techniques.

Various events were conducted for enhancing the skills of the students which include participative learning, experimental learning and for improving their communication skills. We always ensured that there is maximum student participation where students are free to present their innovative ideas come up with their presentations. Through innovative teaching students are encouraged to research, explore, and use all the tools to uncover something new. Seminars and Project Expos conducted in the department involves a different way of looking at problems and solving them. It also helps students to use a higher level of thinking to solve complex problems, thereby helping students develop their creativity and problem-solving skills.

Some of the glimpses of these strategies employed by ECE Department are shared in this document:

Participatory & Experiential learning in Teaching and Evaluation methods

2016-17

Department Of Electronics and Communication in association with IETE celebrated Engineer's Day on 15th Sep 2016. Prof.Dr.Venkateswarlu, Executive Director, Ritchie Centre Vishakhapatnam and Shri B Bhaskar Rao, Sr.Architect Visakhapatnam graced the events and distributed gifts to winners of various events.

Sir Mokshagundam Visvesvaraya (1860-1962)

"The way to build a nation is to build a good citizen.
The majority of the citizens should be efficient, of good characters and possess a reasonable high sense of duty"

Date: 15th September, 2016
Time: 10:00 AM
Venue: Seminar Hall-1, DIET

Chief Guest:
Prof. N.B. Venkateswarlu
Executive Director
Ritch Centre, Visakhapatnam

Guest of Honour:
Sri B. Bhaskar Rao
Sr. Architect, Visakhapatnam

Er. A.Vamsidhar
Head, Dept. of ECE

Dr. M. Venugopala Rao
Principal

Sri Dadi Ratnakar, MCA
Correspondent

Industrial Visit to Miracle Software Systems

The department of ECE has organized an industrial trip for B.Tech IV year Students to Miracle Software Systems (MSS) on 14th October, 2016. Students were detailed about the work process of Software development and their applications. The team of Miracle software solutions has briefed the students about the recruitment process and opportunities to the budding Engineers.



2017-18:

In this academic year ECE department focused on overall development of students by ensuring the participation of students in Industrial Visits Technical events, Motivational session etc.

AWARENESS SESSION

An interactive session with Dr. N. **Jaya Prakash Narayana**, Founder - Lok Satta, Founder & General Secretary - Foundation for Democratic Reforms, is organized on 18th Sep 2017, Monday, at Open Air Dias, DIET Grounds, during 3:30 PM to 5:30 PM, with all B.Tech. Dr. N. Jaya Prakash Narayana, inaugurated the Session with a meeting with all Students and Staff Members by discussing regarding the Roles of the Government and Provisions to be provided to the People by the Government. He informed to all Youth to join in Youth for Better India and all Citizens to join in Citizens for Better India Forums to build a Nation for the People. He also discussed about the Democratic Reforms to be made by the Government.





ECE student Shiva interacting with Dr. N. Jaya Prakash Narayana

INDUSTRIAL VISIT

INDUSTRIAL VISIT TO HINDUSTAN PETROLEUM CORPORATION LIMITED

The students of IV ECE (44 students) with two faculty members Mr. K. Jogaaidu & Mr. P. Ram Prasad went on an industrial visit to the HPCL on 06-09-2017 located at PORT Area, Visakhapatnam. Mr. K. Venkatesh (Maintenance officer) Rajath Bharthwal (Senior safety officer). Mr. Jagadeesh (Maintenance Officer) Mr. Manikanta (Fire Safety Officer) gave a brief introduction about the terminal operation and policies with a presentation.



HPCL is a petrochemical industry i.e., broadly speaking chemical engineering industry. It has about 25% market-share in India among public-sector companies (PSUs) and a strong marketing infrastructure. The Government of India owns 51.11% shares in HPCL and others are distributed amongst financial institutes, public and other investors. The company is ranked 367th on the Fortune global 500 list of the world's biggest corporations as of 2016. On 19th of July 2017, the Government of India announced the acquisition of Hindustan Petroleum Corporation by Oil and Natural Gas Corporation.

ECE DEPARTMENT DAY

ROBERT NORTON NOYCE BIRTHDAY CELEBRATIONS

The Department of Electronics & Communication Engineering celebrated the Departmental Day on 12th December 2017 to showcase the various talents of the students which includes technical activities. The various events conducted during the full span of hectic schedule include: Tech cross puzzle, technical word building, Technical quiz and gaming on circuit design.



The event was witnessed by distinguished dignitaries: Shree DADI RATNAKAR Garu. Correspondent, Chief Guest: Mr. A. Srinivasa Rao, General Manager BSNL, Dr. K. Amarendra, Vice principal, Mr. B.N. Srinivasa Rao, HOD ECE, all Faculties and Students of ECE Dept. Chief Guest of the program was Mr. A. Srinivasa Rao, General Manager, BSNL, vizag, who encouraged the students with the motivated lecture on **EVOLUTION OF TELECOMMUNICATION**. He demonstrated the global snapshot of digitalization. He discussed the importance of 5G and flow of technology from 1G to 5G. He spoke about 5G main components, wireless access transport system, cloud network applications & management and the technology beyond 2020. His main emphasis was on cases using 5G.



He discussed the challenges of 4G in the light of impending and crucial future communication needs and reviewed the lessons learnt from the perspective of implementation and systems operation. He mentioned the expansion of the current Reliance Jio network as Internet has reached to each & every citizen of India. The Jio revolution has changed the access of internet everywhere from each corner of the country. He mentioned the internet user is number 1 in India globally nowadays due to Jio. Internet is the need of the hour for everyone, may be mobile, smartphone, AI, big data. At the end of his talk, he answered and inspired some of the questions raised by the audience. At the end of the session cash prizes had been distributed to the students who got 1st and 2nd place in the various activities. Students later thanked Mr. A. Srinivasa Rao for sharing his knowledge and the faculty members for conducting this session for them.

2018-19

In this academic year various events were organized to update our students regarding recent technologies.

GUEST LECTURE ON INDUSTRIAL AUTOMATION –APPLICATIONS IN ELECTRONICS

In its pursuit of excellence in Technical Education Department of Electronics and Communication of Dadi Institute of Engineering & Technology, Visakhapatnam conducted Guest Lecture on Industrial Automation –Applications in Electronics on 12th Dec-2018 on occasion of Sir “ROBERT NORTON NOYCE’S” Birthday. The Guest Lecture aims to enhance and strengthen the skills among the students in the Automation in the Industry. To impart knowledge in emerging technologies and get them trained towards Industrial in a planned manner.



Sri V.V.Murali Krishna, Automation Design Engineer (AGM) Steel Plant, VSP, Interacting with students.

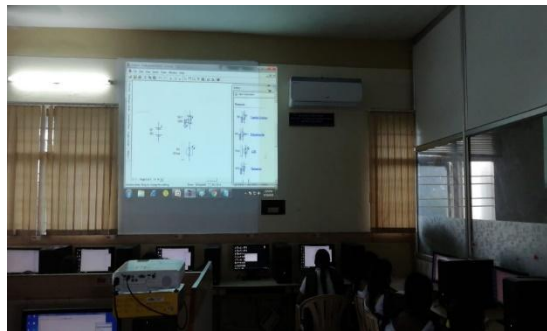


Distribution of prizes by Chief Guest Sri V.V.Murali Krishna, Dr .Ch. S. Naga Prasad , Principal, Dr .k. Eswar Rao Vice-Principal, K Jogi Naidu ,HOD, ECE.

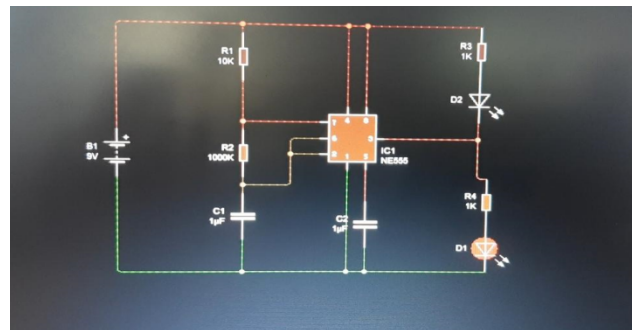
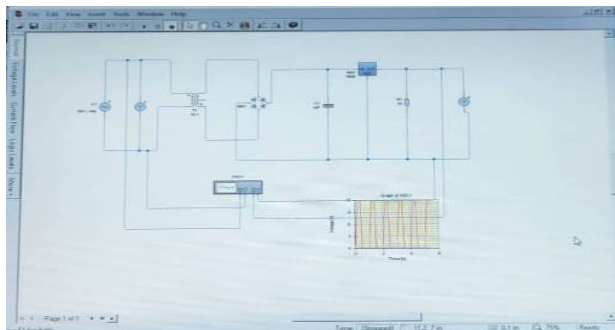
2019-20:

PCB DESIGN WORKSHOP

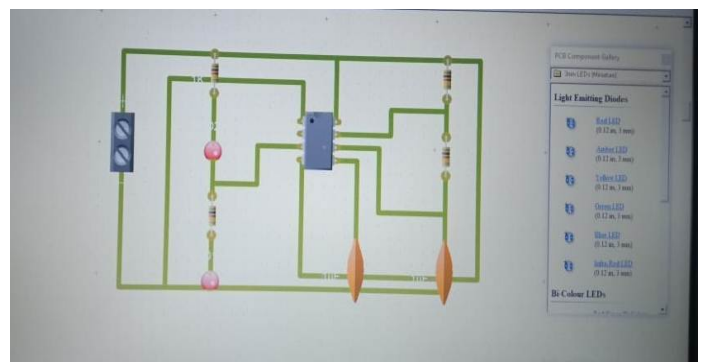
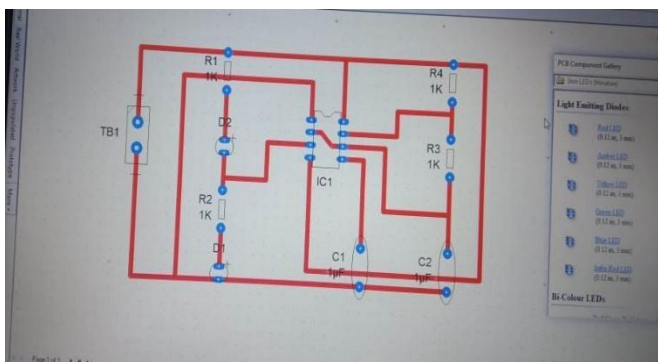
The Department of Electronics and Communication Engineering of DIET, in association with Andhra Pradesh State Skill Development Corporation (APSSDC) has organized a Six day workshop on ” PCB DESIGN ” for II B.Tech ECE Students during 16-09-2019 to 21-09-2019. The main aim of workshop is to develop the practical knowledge of students in advanced PCB software’s and to design the multiple circuits . The workshop was aimed to provide knowledge about Complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment.



Placing the components on the schematic window



Designed few circuits by using live wire software



A GUEST LECTURE ON

“ RECENT TRENDS IN ELECTRONICS & COMMUNICATION ENGINEERING ”

In its pursuit of excellence in Technical Education Department of Electronics and Communication Engineering along with IETE Student Chapter of Dadi Institute of Engineering & Technology, Visakhapatnam conducted Guest Lecture on Recent Trends in Electronic and Communication Engineering on 12th Dec-2019

on the occasion of Sir “ROBERT NORTON NOYCE’S ” Birthday. The Department of ECE have conducted various events like PPT, Technical Quiz, Poster presentation, circuit challenge for B.Tech and Diploma students .



Chief Guest Dr C.h.Srinivasarao, addressing the gathering at the Inaguration

The Guest Lecture aims to enhance and strengthen the skills among the students in the Biomedical signal processing. To impart knowledge in emerging technologies and get them trained towards Industrial in a planned manner. And the faculty members teaching the subject attended the lecture and enhanced their understanding of the subject. Clocking and Signal Routing, system properties in terms of impulse response, step response in terms of impulse response, Multirate and Wavelet Signal Processing Fourier Representation of Periodic Signals, CTFS and DTFS, definition, properties (No derivation) and basic problems, Z-transform, properties of the Region of convergence, Properties of the Z-Transform, Application of Biomedical signal processing .Inversion of the Z-Transform were discussed in his session. 160 students of ECE participated in the event



Chief Guest Dr.Ch.Srinivasa Rao explaining the basics of signaling processing to the Students.



Fundamentals of signal processing were taught in the seminar hall-2 to the participants.



Distribution of prizes by Chief Guest Dr.Ch.Srinivasa Rao, Dr Ch. S. Naga Prasad , Principal, Dr.B.RajaRao ,HOD, ECE.



Distribution of prizes by Chief Guest Dr.Ch.Srinivasa Rao, Dr .Ch. S. Naga Prasad , Principal, Dr.B.RajaRao ,HOD, ECE.

2020-21:

In this academic year, the department planned several activities for students apart from classwork, which would be useful in enhancing their skill, technical knowledge and communication skills.

POSTER/POWER POINT PRESENTATION



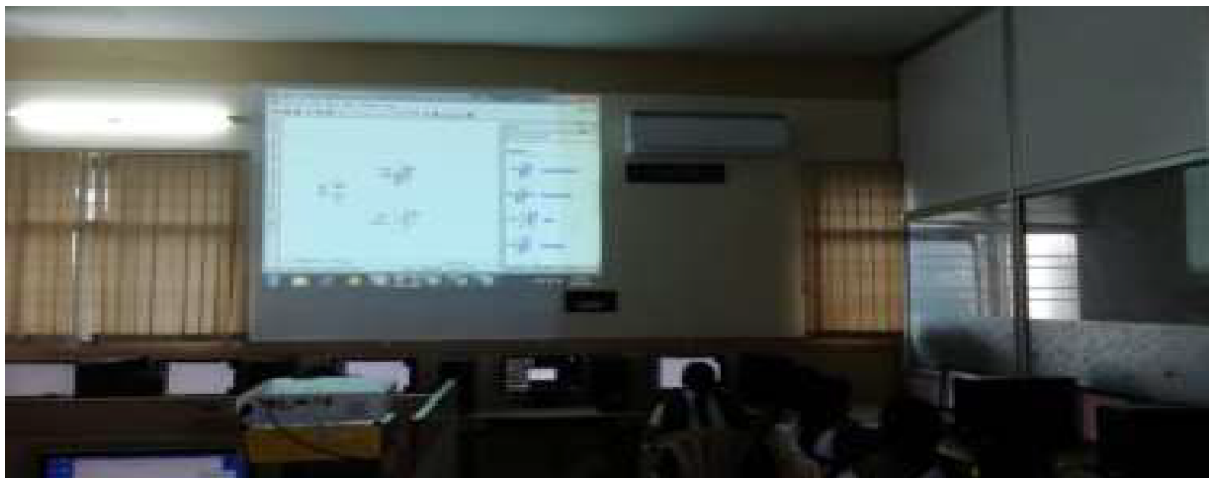
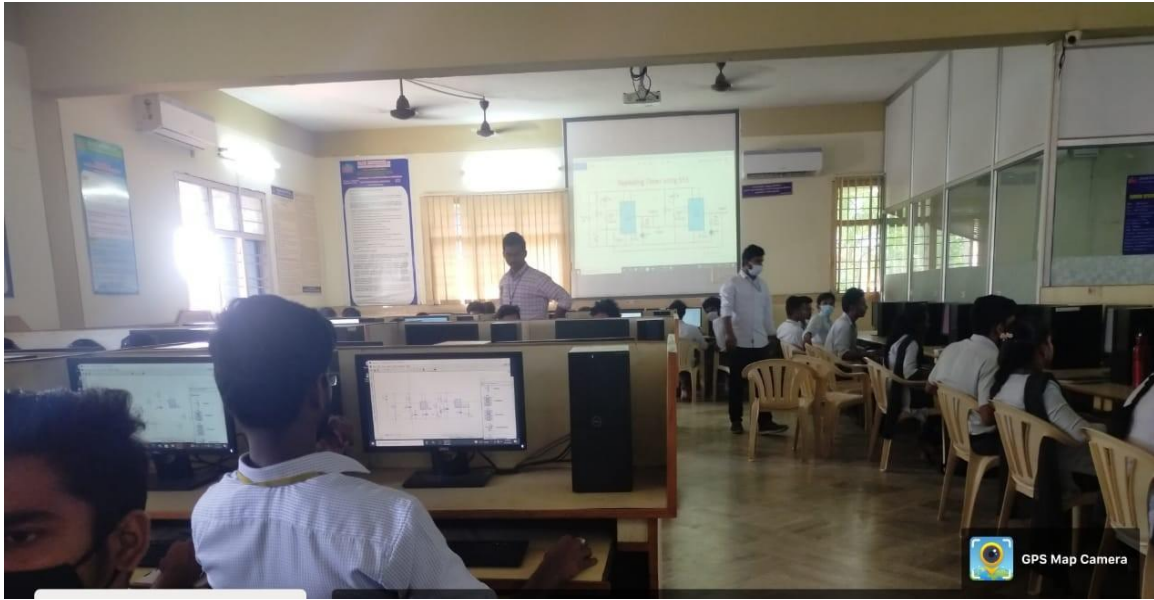
III ECE students presenting their ideas

TWO WEEK WORKSHOP ON PCB DESIGN

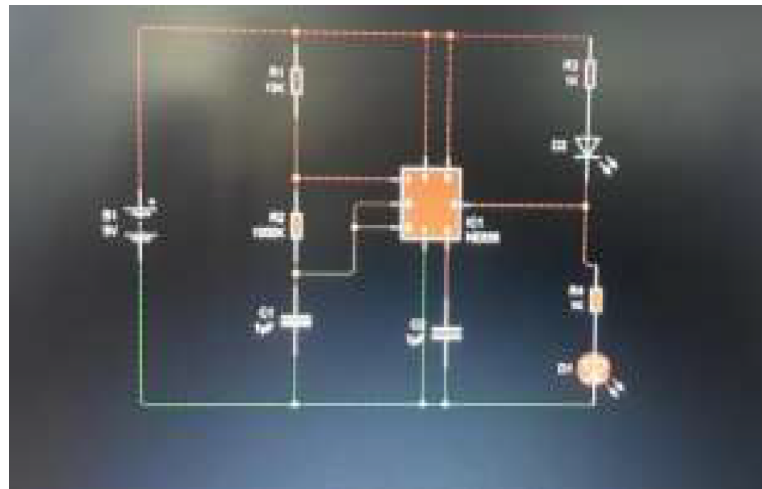
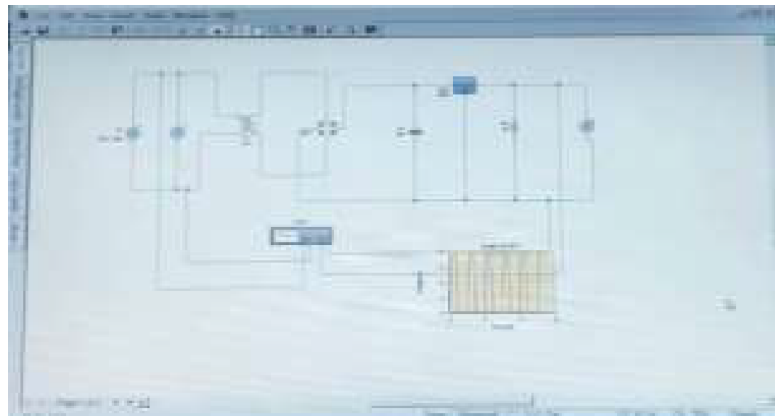
The Department of Electronics and Communication Engineering of DIET, in association with Andhra Pradesh State Skill Development Corporation (APSSDC) has organized a Two Week workshop on " PCB DESIGN " for II B.Tech ECE Students during AY 2020-21. The main aim of the workshop is to develop the practical knowledge of students in advanced PCB software's and to design the multiple circuits. The workshop was aimed to provide knowledge about Complete PCB Designing using simulation tool to test electronics & electrical circuit in Software environment.

Objectives of Workshop:

- Design a PCB as per design input.
- Understand the steps and processes involved in PCB manufacturing.
- Develop the schematics of circuit using industry grade software.



Placing the components on the schematic window



Designed few circuits by using live wire software

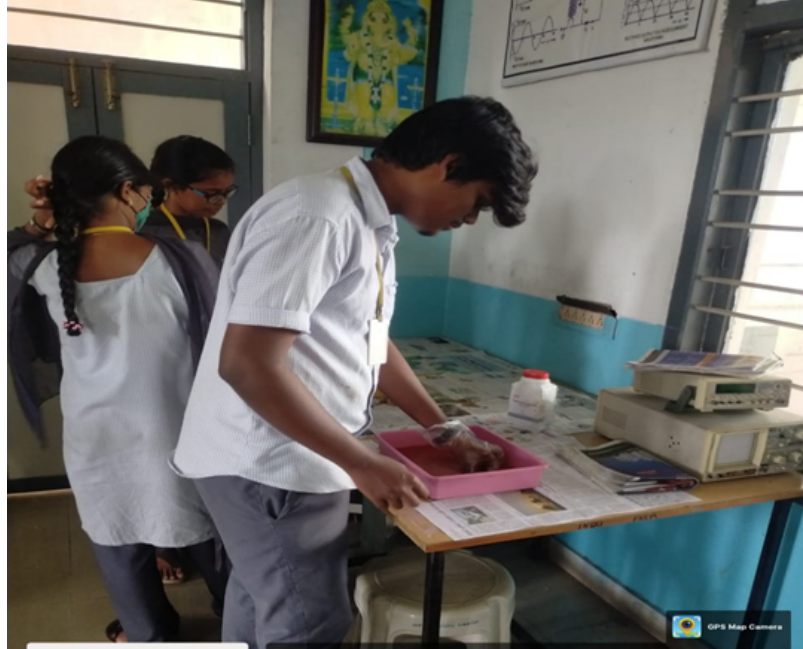
Outcome of workshop:

All the 93 participants effectively utilized the workshop and learned about PCB related softwares for designing different electronic circuits.

Now all the participants are able to :

- Design circuits by using Live Wire Software.
- Design circuits by using PCB Wizard Software.
- Design circuits by using Easy EDA Software.

STUDENTS EXPERIMENTAL LEARNING



II ECE students learning the concepts through experiments.

ENTREPRENEURSHIP TALK

MOTIVATION SESSION FOR STARTUPS BY STUDENTS



Session by Sri L. Chandra Sekhar CEO INV Technologies

SPACE ON WHEELS EXHIBITION

STUDENT EXPOSURE TO INDUSTRY (ISRO)

On the occasion of Prof. Satish Dhawan Birth Anniversary, DIET organized exhibition in association with Indian Space Research Organisation. A bus from ISRO visited college and stayed at college for two days exhibiting various weapons, torpedoes, launch pad prototype to students for their exposure to industry.



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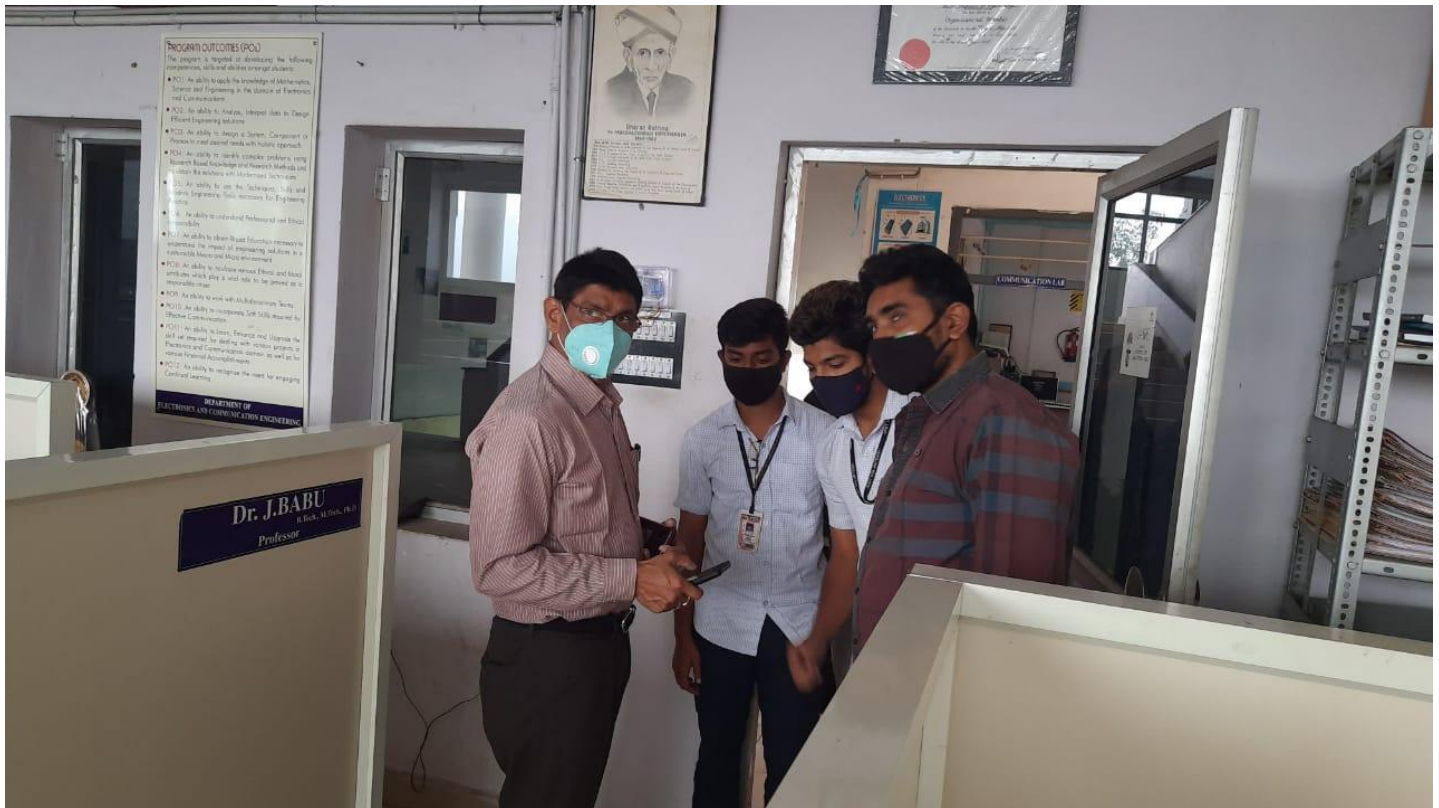




Scientists at ISRO explaining the procedures and concepts followed at their ISRO centre for students.

STUDENT INNOVATION

Final year students D.Sri Ram Murthy and B.Sai Charan came up with an innovative idea of ECE Faculty hall automation and implemented it .



D.Sri Ram Murthy and B.Sai Charan demonstrating the project to the principal Dr.Challa Narasimham and HOD ECE Mr.K.Jogi Naidu

2021-22

Industrial Visits& Internships:

Exposure and Field Visit to NSTL-DRDO VIZAG

Innovation & Incubation Centre of Dadi Institute of Engineering and Technology organized a visit to Naval Science & Technological Laboratory (NSTL), Visakhapatnam in view of science day celebrations. The visit was scheduled on 25th February 2022. Electronics & Communication Engineering students from final year and third year joined the visit.



Objective of the Event

- To provide a technical exposure to students about advancements in technology
- To provide awareness about the quality of research happening in defence area and the future career prospects.

Department of ECE, Dadi Institute of Engineering & Technology has successfully organized a field visit to “NSTL-DRDO VIZAG” for students. This was conducted to know the latest technologies used by the Defense forces. NSTL-DRDO VIZAG the Naval Science and Technological Laboratory is an Indian Defense laboratory of the Defense Research and Development Organization, located in Visakhapatnam. Its main function is the research and development of underwater weapons and associated systems. NSTL is organized under DRDO's Directorate of Naval R&D. This has motivated all enthusiastic students to utilize this opportunity and know about the technologies used in the Defense forces.



NSTL visit by third and final year ECE students



ECE students presenting project titled Automatic Engine Locking System through Alcohol Detection

Objective of this visit was to create an environment for exploring innovative technologies used in the ships & submarines and also to nurture and help students in promoting their ideas to next level. It was observed that Students have gained confidence in generating and promoting their ideas used in the torpedoes. Faculties were able to select students who are innovative and guided them to build their ideas.

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PARTICIPATORY LEARNING 2022

PRAGYA 2K22-SPECTRA

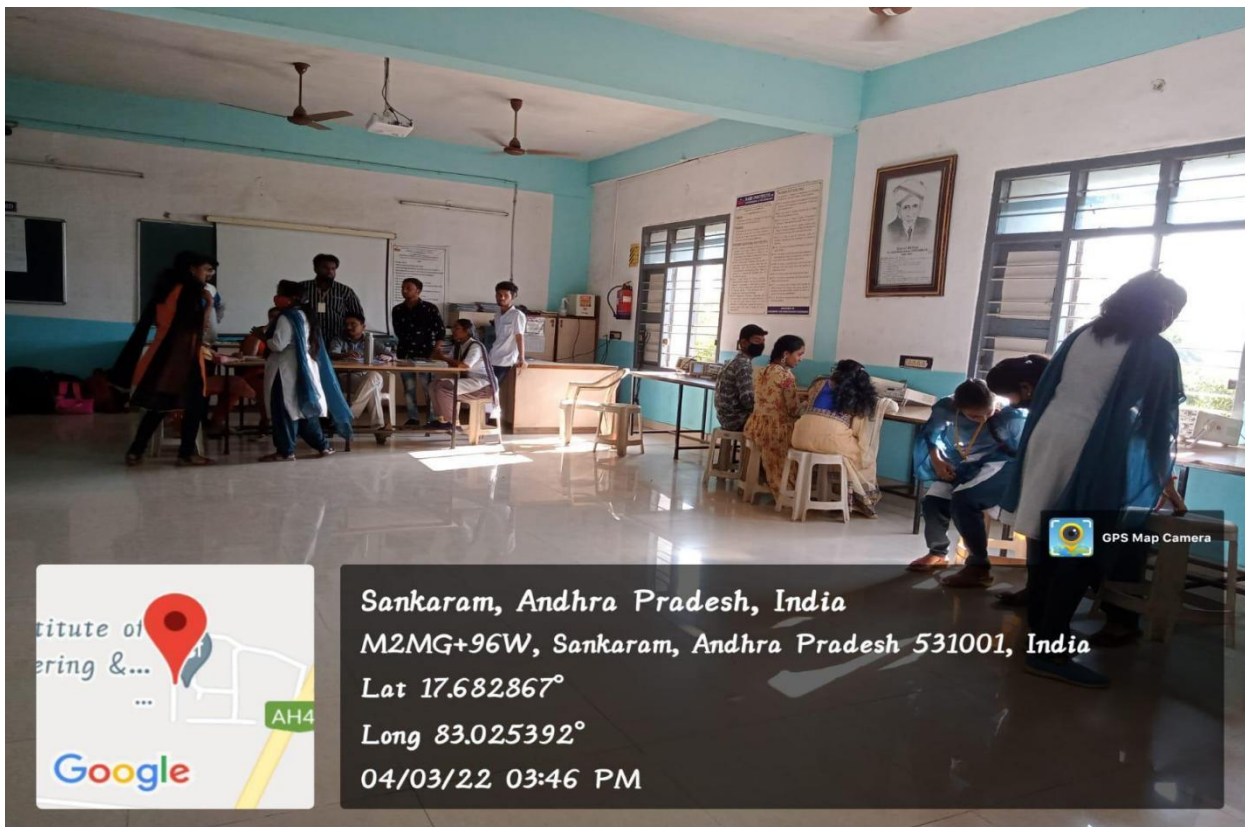
LIST OF EVENTS UNDER PRAGYA 2K22 :

- Technical Dubsmash
- Circuit Connection
- Ad-Man Show

TECHNICAL DUBSMASH:

This event was conducted on 04th March 2022. In this event students came up with their Innovation. Dubsmash words related to the electronic components were given as challenges for the participant teams.





II ECE Students active participation in Technical Dubsmash

AD-MAN SHOW:

This event was conducted on 05th March 2022. In this event students came up with their Innovative ideas on showcasing the products through ads. The students presented their ideas through PowerPoint presentations.



III ECE student participation in AdMan Show

CIRCUIT CHALLENGE: This event was conducted on 05th March 2022. In this event students showed their talent in debugging the circuit within less time. More than 10 batches made the event successful with their enthusiastic participation



IV and II ECE students participating in Circuit Challenge.

ELECTRONICS CLUB ACTIVITY In Association with IETE

Electronics club is the student run organization that strives to impart enthusiasm and passion for electronics and allied fields among students of ECE. We provide a platform to the students' body where any individual with an idea can approach the club freely to grasp the necessary technical skills required to turn that idea into a reality. This is a place where students get an opportunity to think outside the academic curriculum and get practical experience by implementing and applying concepts learnt in various theoretical courses. The club aims to uncover those key topics that are not part of the curriculum or just grazed upon by the syllabus.

The functions of the electronics club are to deal from basics of electronics to the peak of it. The domains of the club are designed in such a way that it provides all-round development of a student in all aspects. Teaching the students about the various components required to build both basic and complex circuits, helping them design and built complex circuits, giving them hints and tricks to make a circuit work, detecting bugs present in a built circuit are some of the key functions of this club. This indeed helps them not only in their studies but also in their career. In this rapidly moving world, where everyday a new technology comes into existence, it is extremely hard to keep abreast with all the technical know-how, but if our basic concepts are intact then we can aim for the top.

Aim of Electronics Club:



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- Aim at bringing out the "technological best" in students.
- The chief aim of the club is to bring the students out of their rooms and to expose them to the challenges awaiting them in the field of circuit design and hardware analysis.
- Aim at providing students with the basic knowledge of electronics but also help them to use the basic concepts to come up with something constructive and useful for the society.
- To conduct lecture series, paper presentations, poster presentations and also assign projects to students.

Objectives of Electronics Club:

- To explain the concepts of electronics in a practical way and help them to gain knowledge.
- To provide a platform for the students to give a shape to their innovative ideas.
- To expose the students to the latest technological advancements in the field of electronics.
- To provide the students with thought provoking questions & makes them to think about it.
- To form a discussion board on latest trends of electronics which indeed improve their communication skills
- To provide a hands-on training for students.
- To provide a virtual bridge between the present global industries and the department.

E-Club Activity conducted on 16/3/2022

E-CLUB, well known as Electronics club of ECE department in Dadi Institute of Engineering and Technology. Where it conducts different type of technical activities for all the students of ECE every month.

The main motto of E-CLUB is to enhance the communication and technical skills which help them to achieve their goals independently.

Topic: Advancements in Electronics

Events: 1. Poster Presentation

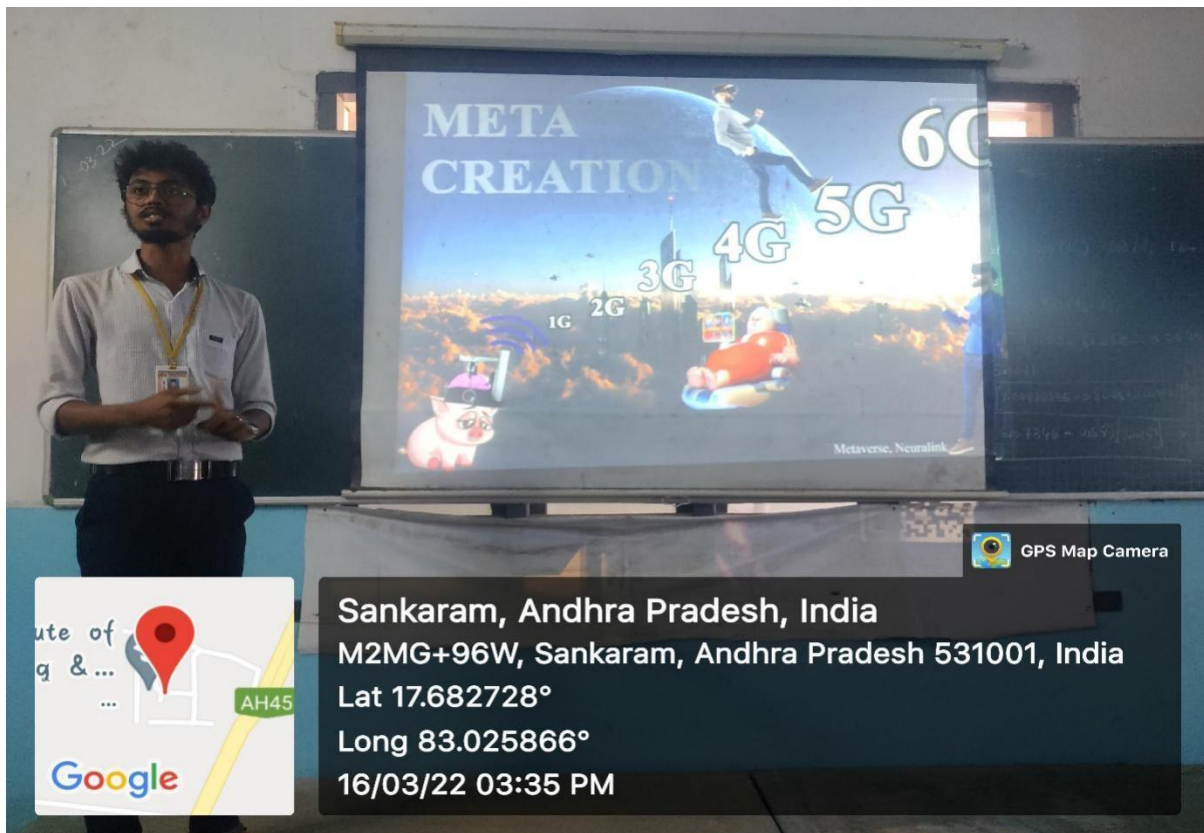
2. Paper Presentation

Time: 3:00PM-4:00PM

Venue: AC & DC lab.

On 16/3/2022 the E-Club activity was conducted to IIECE students of batch 2019-2023. A total of 15 students participated in the activity.

Principal-Dr.Ch.Narasimham sir, HoD ECE-Dr.P.Poorna Priya madam, E-Club incharge-Ms.S.Shabeena madam and Faculty members addressed the gathering and appreciated the students for their active participation. In their address, they said to make use of this opportunity providing by E-Club team and informed the others students to participate and increase their communication and technical skills through these activities which is the main objective of E-Club.



Poster presentation by Mr.K.Hanurathan



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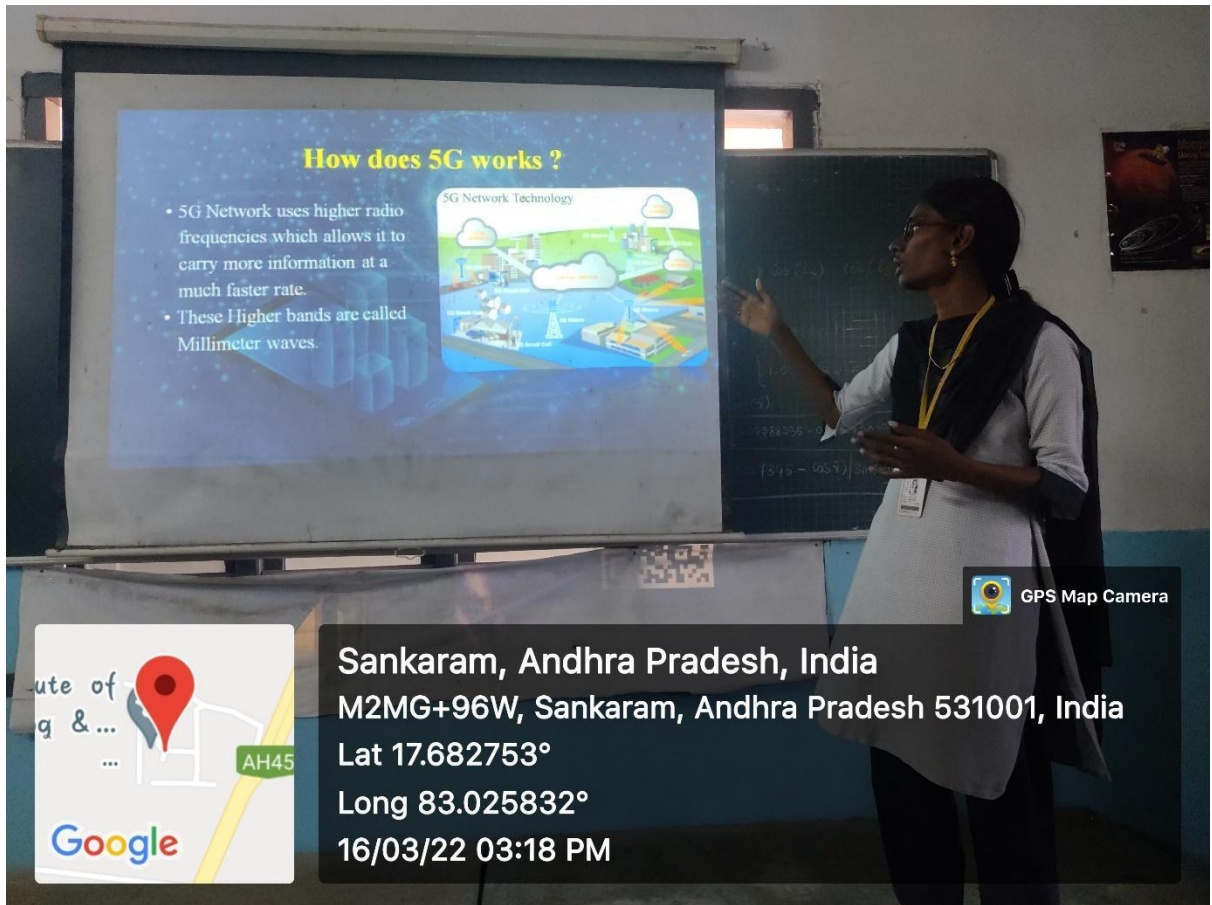
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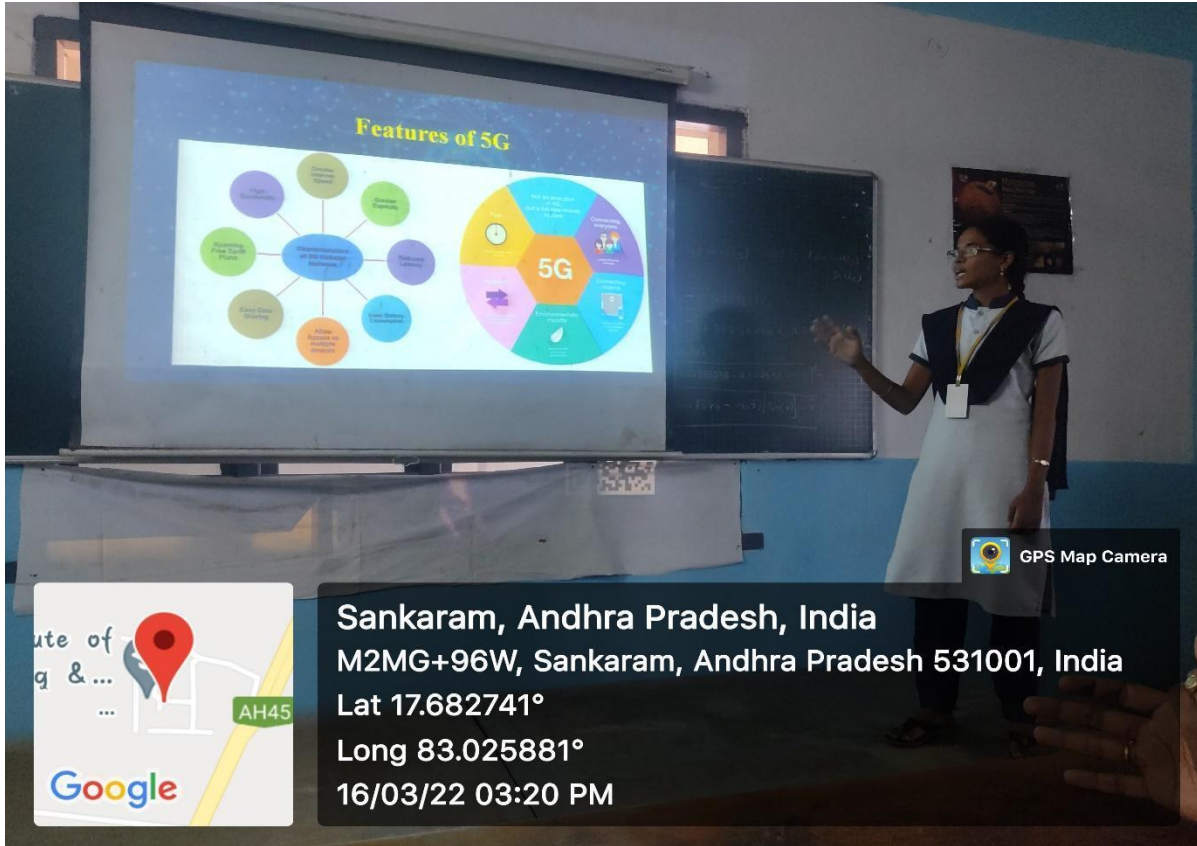
Presentations of student's ideology over Advancements in Electronics



Paper Presentation by Ms.U.Komali.



Paper Presentation by Ms.Srilekha & Ms.Ushodaya



Paper Presentation by Ms.V.Meghana

APPRECIATION TO MERIT STUDENTS-2022

Department of ECE will be appreciating the best performer of the month based on students attendance and performance in department. As a token of appreciation a pen and a book will be presented to the best performers as an encouragement which is graced by principal Dr. Challa Narasimham.



Ms. Roopa and Mr. Nagademullu of IV ECE receiving the token of appreciation.

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Department Best Practices - Teaching & Learning

Department of Civil Engineering with the effective functioning of all the faculty members have always tried to impart innovative teaching methodologies to ensure that students are always given an opportunity to learn the technical, cognitive and employability skills at every stage of their Engineering course through Innovative Classroom Teaching [ICT] techniques.

Here, students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year apart from the commonly implemented methods like Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in classroom previously, conducting seminars, Newspaper readings, repeating difficult topics by topper students, field visits, Industrial visits, pictorial demonstration and many more activities.

It was a clear observation that more the number of sessions conducted with the above-mentioned concepts, better were the results obtained every semester.

Some of the glimpses of these strategies employed by CIVIL Department are shared in this document:

Participatory & Experiential learning in Teaching and Evaluation methods

2016-17:

In this academic year, Most of the subjects dealt with experiential learning methods such as assignments, problem solving and PPT s apart from chalk & Talk. The department has taken initiative to enrich the teaching and learning in effective way. Awareness sessions conducted for the faculty to upgrade their skill set in teaching methodology.

REPORT ON INDUSTRIAL VISIT

Date: 25-July-2014

Branch: CIVIL Year: IV Year Students

Students Strength: 51

Faculty: 1. V ALIVELU MANGA, Assistant Professor, Civil Department,
2. M R V S G GUPTHA, Assistant Professor, Civil Department.

Engineers: 1. RAJENDRA KUMAR, D.E at Tadapa
2. JANARDHAN, D.E at Water Shed Management, ~~Uppur~~
3. T SURYA KUMARI, J.E at Water Shed Management, ~~Choudavaram~~

Visited Places: Water Irrigation Projects

- (1) ~~Baggaholu, Gadda~~ Reservoir Project (~~Jayapadu~~ Village): Increasing the ground water table and its about 753 Acres over area for this rain water harvesting and ground water recharge activity.
Area divided into a) ~~Minor~~ area (upto 5000 acres) b) medium area (in between 5000 acres to 10,000 acres) (major area) (above 10,000 acres).
This ~~Baggaholu~~ project is in minor project.
It was inaugurated by Sri Dadi ~~Varahaiah~~ since 14-June-1991.



- (2) ~~Narasapur, Bantkatta, Kasimkota, Yalamanchili~~: This project having large catchment area for collecting water namely Sarada River and discharge the collected water in season wise and up to above 4000 acres field crops are benefited by this project.



Participatory & Experiential learning in Teaching and Evaluation methods

A.Y: 2017-18:

In this academic year, Most of the subjects dealt with experiential learning methods such as assignments, problem solving and PPT s apart from chalk & Talk. The department has taken initiative to enrich the teaching and learning in effective way. Awareness sessions conducted for the faculty to upgrade their skill set in teaching methodology.

Participatory & Experiential learning in Teaching and Evaluation methods

A.Y:2018-19:

In this academic year, As an initiative the teaching towards research and innovation. The Book, DIJEST (Dadi Institute Journal of Engineering Science & Technology) Series D Published. With this motivation the faculty involves in Faculty development programs to enrich the lesson plans with Usage of ICT tools available.

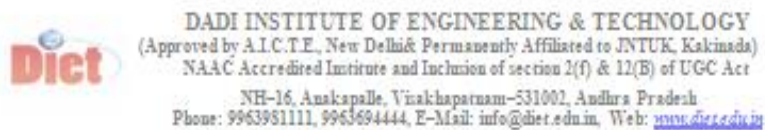


S NO	TITLE OF JOURNAL	AUTHOR NAME	PAGE NO
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2	STORM WATER RUNOFF MANAGEMENT BY USING PERVIOUS PAVEMENT	YAMALA MAHESH	7
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9	EXPERIMENTAL STUDY ON CONCRETE USING PLASTIC BARS AND SEA SAND AS REINFORCEMENT AND FINE AGGREGATE	P.LAKSHMI NARAYANA,	68
10	IMPROVING THE PROPERTIES OF ASPHALT CONCRETE USING WASTE PLASTIC BOTTLES AND TIRE CRUMB RUBBER AS ADDITIVE	SANTHOSH KOLLEPARA	77
11	AN EXPERIMENTAL INVESTIGATION ON LIGHT WEIGHT REINFORCED CONCRETE ELEMENTS BY USING POLYPROPYLENE MATERIAL	¹ K APPALA NAIDU	86
12	IMPROVING THE PROPERTIES OF AUTOCLAVED AERATED BLOCKS BY ADDITION OF GLASS FIBER	D.ATCHUTA RAMACHARYULU,	98
13	AN EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT FOR COARSE AGGREGATE BY E-WASTE IN CONCRETE	SANTHI KOTHARA	104

Participatory & Experiential learning in Teaching and Evaluation methods

A.Y:2019-20:

In this academic year, the department of CIVIL implemented the IE(I) student chapter activities apart from regular teaching evaluation process. The Student involvement is more predominant in this year which helps them to motivate towards research oriented study.



DEPARTMENT OF CIVIL ENGINEERING IN ASSOCIATION WITH DIET IE(I) STUDENT CHAPTER AND APSSDC ARCHITECTURAL MODELING USING REVIT WORKSHOP REPORT |



About CIVIL Engineering Department:

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Programs and subsequently the intake got enhanced to 120 in the year 2013. At present the Department intake for undergraduate (B.Tech.) is 60. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Department has a mix of both experienced and young faculty. Majority of the faculty members actively involve themselves in improving their education qualifications and research works. Faculty and students are encouraged to attend and participate in various seminars, workshops and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, conferences, and seminars.



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NH-16, Anakapalle, Vinakhapatnam-531002, Andhra Pradesh
Phone: 9963981111, 9963694444, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

DEPARTMENT OF CIVIL ENGINEERING

TECHNICAL EVENT REPORT - 30/10/2019



About CIVIL Engineering Department:

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Programs and subsequently the intake got enhanced to 120 in the year 2013. At present the Department intake for undergraduate (B.Tech.) is 60. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Department has a mix of both experienced and young faculty. Majority of the faculty members actively involve themselves in improving their education qualifications and research works. Faculty and students are encouraged to attend and participate in various seminars, workshops and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, conferences and seminars.



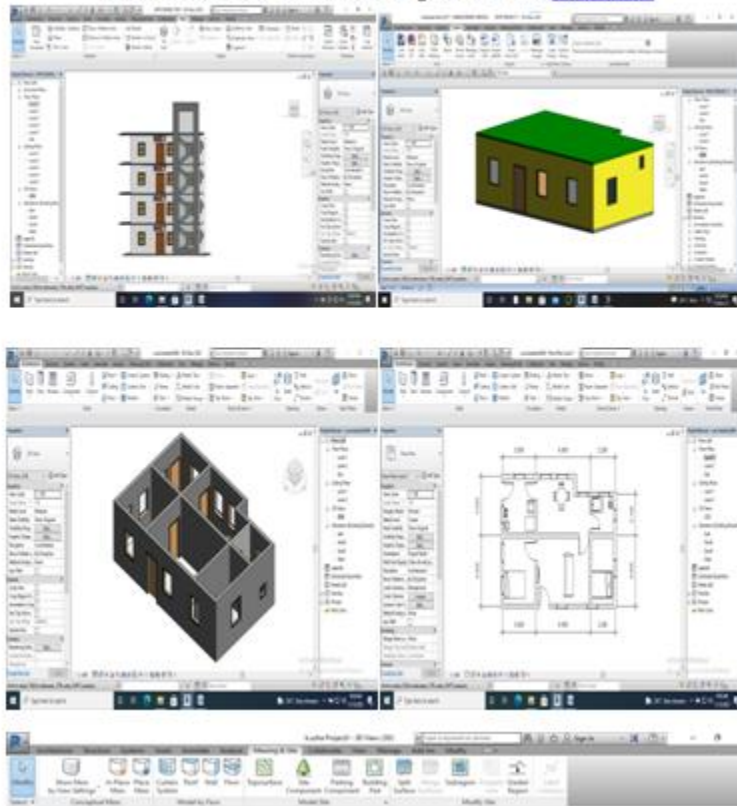
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Civil Engineering Students practice of Architectural Modeling using Revit Day-6



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Phone: 9963951111, 9963694444, E-Mail: info@diet.edu.in, Web: www.diet.edu.in



Civil Engineering Students: practice of Architectural Modeling using Revit Day-7



Civil Engineering Students: practice of Architectural Modeling using Revit Day-7



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NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh
Phone: 9963951111, 9963694444, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

About Technical Event:

The Department of Civil Engineering of Dadi Institute of Engineering & Technology (DIET) in association with DIET IE(I) Student Chapter have organized a "Technical Event" on 30/10/2021, Saturday in Seminar Hall-2 of Dadi Institute of Engineering & Technology campus. With an objective to promote IE(I) Student Chapter importance among the students and also to promote the participating and organizing skills in the students, the "Technical Event" has been organized.

The poster is a rectangular document with a white top section and a light blue bottom section. It contains the following text:

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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NAAC Accredited Institute & Inclusion under 2(B) & 2(F) of UGC Act
National Highway-16, Anakapalle, Visakhapatnam-531002, A.P.

**DEPARTMENT OF CIVIL ENGINEERING
IN ASSOCIATION WITH
DIET IE(I) STUDENT CHAPTER**

TECHNICAL EVENT ON 30/10/2021
VENUE: SEMINAR HALL 02; 4TH FLOOR
TIME: 01:30 PM ONWARDS

- 1. TECHNICAL QUIZ**
- 2. SEMINAR ON TECHNICAL**
- 3. IDENTIFY THE SPOTTED IMAGE**

ELIGIBILITY: B.TECH/DIPLOMA CIVIL ENGINEERING
REGISTER ON: <https://forms.gle/7exhann3ccchagj9>

DR. N. RAMU
HOD CIVIL

DR. CHALLA NARASIMHAM
PRINCIPAL

SHY BADI RATHNAR
CHAIRMAN

Technical Event Poster

Three events namely "Technical Quiz", "Identify the spotted image", and "Technical Seminar" have been conducted and students have participated with their teams.



Students' participation in Technical Quiz



Students' participation in Identify the Spotted Image



Students' participation in Technical Seminar



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NH-16, Anakapalle, Vinakhapetnam-531002, Andhra Pradesh
Phone: 9963951111, 9963694444, E-Mail: info@diet.edu.in, Web: www.diet.edu.in



Winners of the Events

In this occasion active participation certificates have been distributed to the students of IV Civil Engineering in recognition for their committed involvement in Civil Consultancy Activities.





DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada)

NAAC Accredited Institute

Recognized under section 2(f) & 12(b) of UGC Act 1956

An ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institute NH-

16, Anakapalle, Visakhapatnam-531002, విశాఖ రాష్ట్రం, ప్రదేశం

Phone: 9963694444/9963981111, E-Mail: info@diet.edu.in, Web: www.diet.edu.in



DEPARTMENT OF CIVIL ENGINEERING

TECHNICAL EVENT REPORT - 29/02/2020



About CIVIL Engineering Department:

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Program and subsequently the intake got enhanced to 120 in the year 2013. At present the Department intake for undergraduate (B.Tech.) is 60. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Department has a mix of both experienced and young faculty. Majority of the faculty members actively involve themselves in improving their education qualifications and research works. Faculty and students are encouraged to attend and participate in various seminars, workshops and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, conferences and seminars.

Participatory & Experiential learning in Teaching and Evaluation methods

A.Y:2020-21:

In this academic year, the department planned to improve the communication skills of the students and several activities conducted which involves all the students in a right direction towards their goals.



Students' participation in Technical Quiz



Students' participation in Identify the Spotted Image

Three events namely "Technical Quiz", "Identify the spotted image", and "Technical Seminar" have been conducted and students have participated with their teams.



Students' participation in Technical Quiz



Students' participation in Identify the Spotted Image



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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National Highway-16, Anakapalle, Visakhapatnam-531002, A.P.
Phone: 9963981111, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

A ONE WEEK WORKSHOP ON "STAAD.Pro"
(14th - 19th March 2021)

Organized by

Department of Civil Engineering

in Association with DIET IE(I) STUDENT CHAPTER and Andhra Pradesh
State Soft Skills Development (APSSDC).

Report on "STAAD.Pro" One Week Workshop

About Civil Engineering Department:

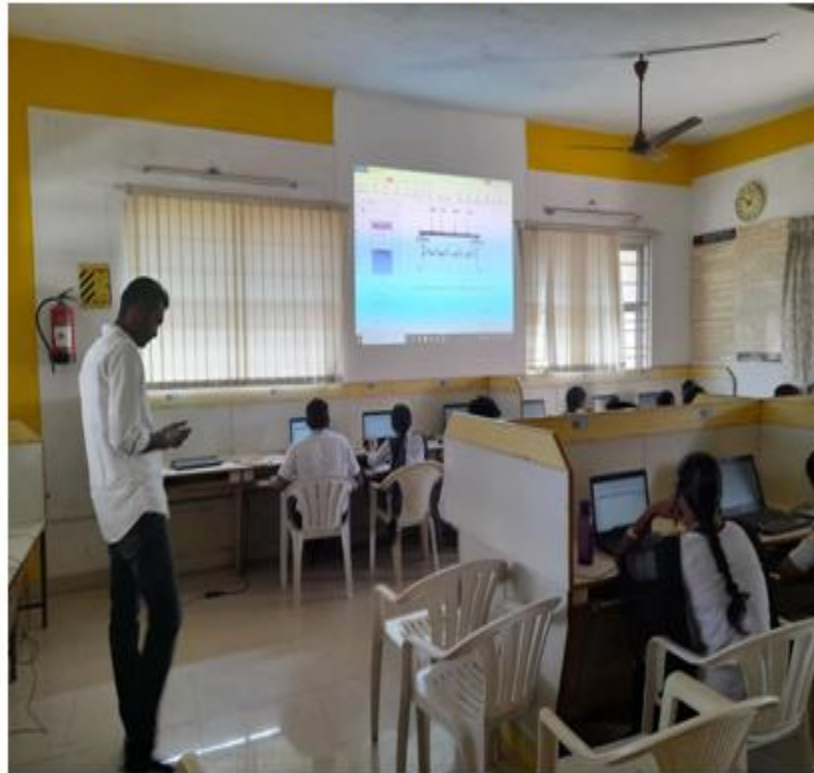
The Department of Civil Engineering, established in 2011, offers B.Tech. programs in Civil Engineering of four years duration with an annual intake of 120 students. The programme is approved by AICTE and affiliated to JNTUK-Kakinada. The various laboratories available in the department are Strength of Material Laboratory, Surveying Laboratory, Fluid Mechanics Laboratory, Geotechnical Laboratory, and Environmental Engineering Laboratory. Other facilities of the Department include Drawing Hall as well as Department Library.



As a part of the CIVIL department activities, Professional connectivity & mode of teaching methods evaluation procedures discussed with the academic team and implementation of the same in the department.

Student Participation

The trainer explained the advantages of using the software. They also demonstrated the practical applications in designing. The students could build many models by using the application. The students were applauded for their active participation for the six days.



APSSDC Trainer Sri Dali Naidu explaining the basics of STAAD Pro to the Participants

Innovative teaching methods explores the students intellectual property with building the concepts visually among the students that which helps them to train their minds towards research and academic excellence.

During COVID Phase

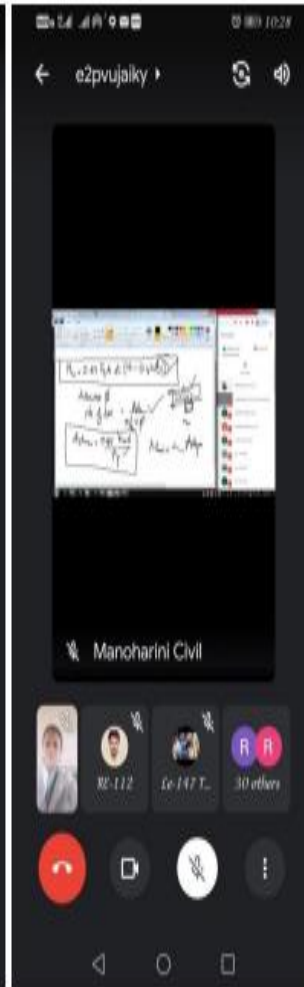
During this phase though it is tough time to explore the academic excellence, The CIVIL department took an challenging role to contribute their academic knowledge transfer to their students in virtual mode .

• III Btech DDRCS

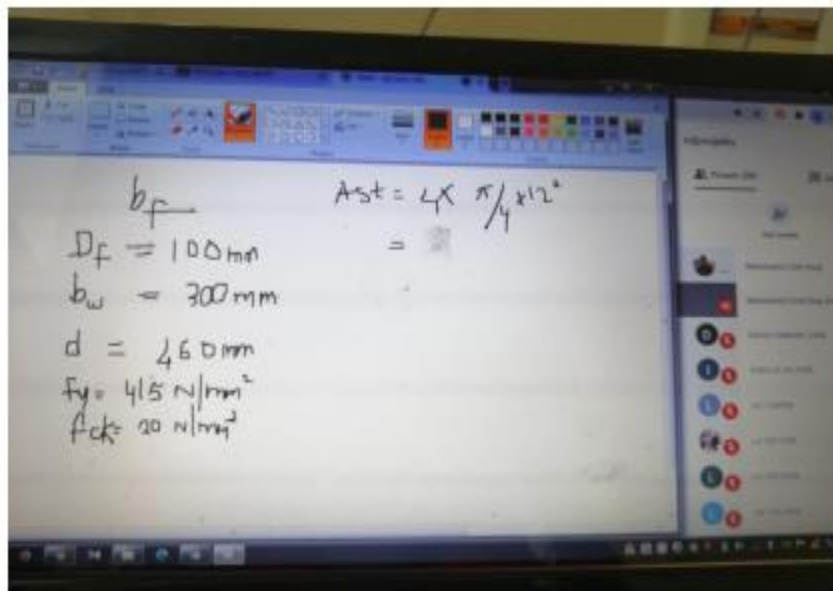
28-9-2020



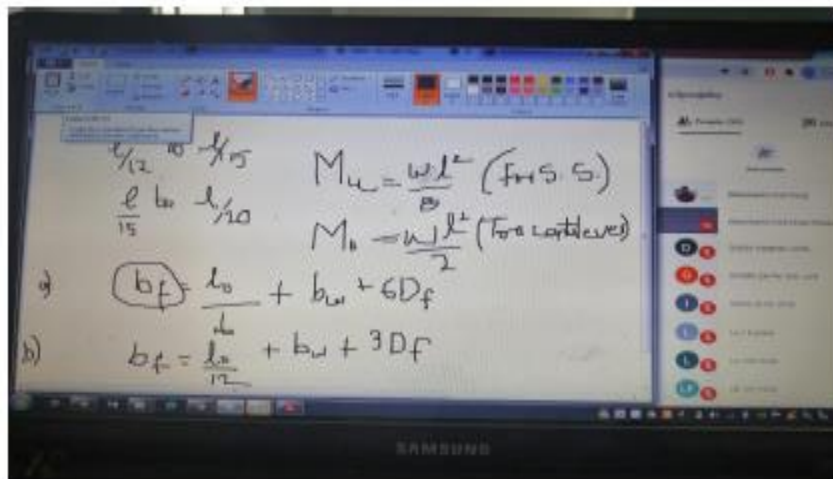
29-9-2020



28-9-2020



29-9-2020



Ddss Assignment on lacings and battens



OMMI SURESH posted a new assignment: DDSS-Assignment on Lacings ...Due Jul 26, 2021

Posted Jul 25, 2021

Ddss Assignment on Lacings and battens

10

Turned in

50

Assigned

2

Graded

1. Advise briefly about the design specifications about lacing columns.
2. Define lacings and battens. Draw the lacings and battens in detail using code IS800-2007.

3. Design a laced column with two channels back to back of length 10m to carry an axial factored load of 1600 kN. The column may be assumed to have

25-Jul-2021 at 10:05 A...

Image



Add class comment...





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Phone: 08924-221111/221122/9963981111, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

Faculty Performance Summary Report

By

K Manoharini, Assistant professor, Civil Department

- Class Work Report
- II DCE-Surveying-II
- II BTECH – SOM-I
- III BTECH- DDRCS
- II DCE Revision class-RCS

- III Btech DDRCS

S. No.	Date	Class/Yr/Branch	Time	Topic Covered	No. Of Students Attended	Total Strength
1	28-9-2020	Btech III CIVIL	9:50-10:40	Problems on analysis of flanged sections	46	64
2	29-9-2020	Btech III CIVIL	9:50-10:40	Stepwise procedure in design of flanged beams	43	64
3	29-9-2020	Btech III CIVIL	3:20-4:10	Problems on design of flanged beams	39	64
4	30-9-2020	Btech III CIVIL	11:30-12:20	Problems on design of flanged beams	46	64
5	1-10-2020	Btech III CIVIL	12:20-1:10	Principles of shear reinforcement	44	64
6	3-10-2020	Btech III CIVIL	9:00-10:00	Principles of shear reinforcement	40	64
7	3-10-2020	Btech III CIVIL	12:20-1:10	Stepwise procedure in design of shear reinforcement	26	64
8	5-10-2020	Btech III CIVIL	9:50-10:40	Stepwise procedure in design of shear reinforcement	44	64
9	6-10-2020	Btech III CIVIL	9:50-10:40	Problems on design of shear	43	64

Participatory & Experiential learning in Teaching and Evaluation methods

2021-22

Industrial Visits& Internships:

Exposure and Field Visit to NSTL-DRDO VIZAG

Students from IV B Tech and III BTech CIVIL were taken to a two-day Open House Expo-2022, organized as a part of National Science Day, at Naval Science and Technological Laboratory, Ramnath Secondary School, located in NSTL campus, on Fri-Sat [25th-26th Feb 2022].



Department of CIVIL, Dadi Institute of Engineering & Technology has successfully organized a field visit to “NSTL-DRDO VIZAG” for students. This was conducted to know the latest technologies used by the Defense forces. NSTL-DRDO VIZAG the Naval Science and Technological Laboratory is an Indian Defense laboratory of the Defense Research and Development Organization, located in Visakhapatnam. Its main function is the research and development of underwater weapons and associated systems. NSTL is organized under DRDO's

Directorate of Naval R&D. This has motivated all enthusiastic students to utilize this opportunity and know about the technologies used in the Defense forces.

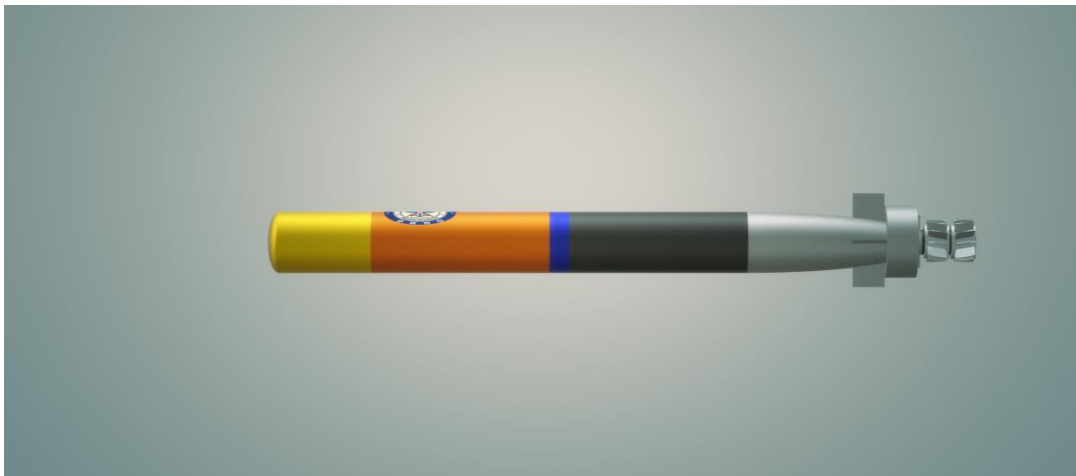




CIVIL Student actively taking part in Project Expo at NSTL - DRDO

Objective of this visit was to create an environment for exploring innovative technologies used in the ships & submarines and also to nurture and help students in promoting their ideas to next level. It was observed that Students have gained confidence in generating and promoting their ideas used in the torpedoes. Faculties were able to select students who are innovative and guided them to build their ideas.





Industrial visit to [SAGAR CEMENTS] Bayyavaram, Vizag



Students Taking part in the Industrial visit at Sagar cements





A model presentation representing the safety measures to be taken at higher heights



Safety measures to be taken when fire attack happened and during welding process done



A model which shows how a employ should work with all safety measures



Operating team member explaining the students about how the GGBS and FLYASH are stored and dumped in storage sheds











Merit Student Sessions:

Faculty encouraging students to clarify conceptual doubts of weaker students



Field visit as a part of SOC

Students actively participating in experiential learning as a part of socially relevant project.



Student Seminars using Power point presentations



Group discussion

Students taking part in group discussion activity of Interviewer-Interviewee



Technical Narration Activity by Students



Idea Exchange Contest among students



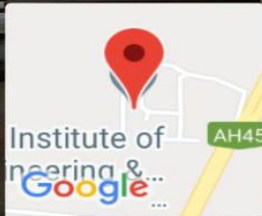
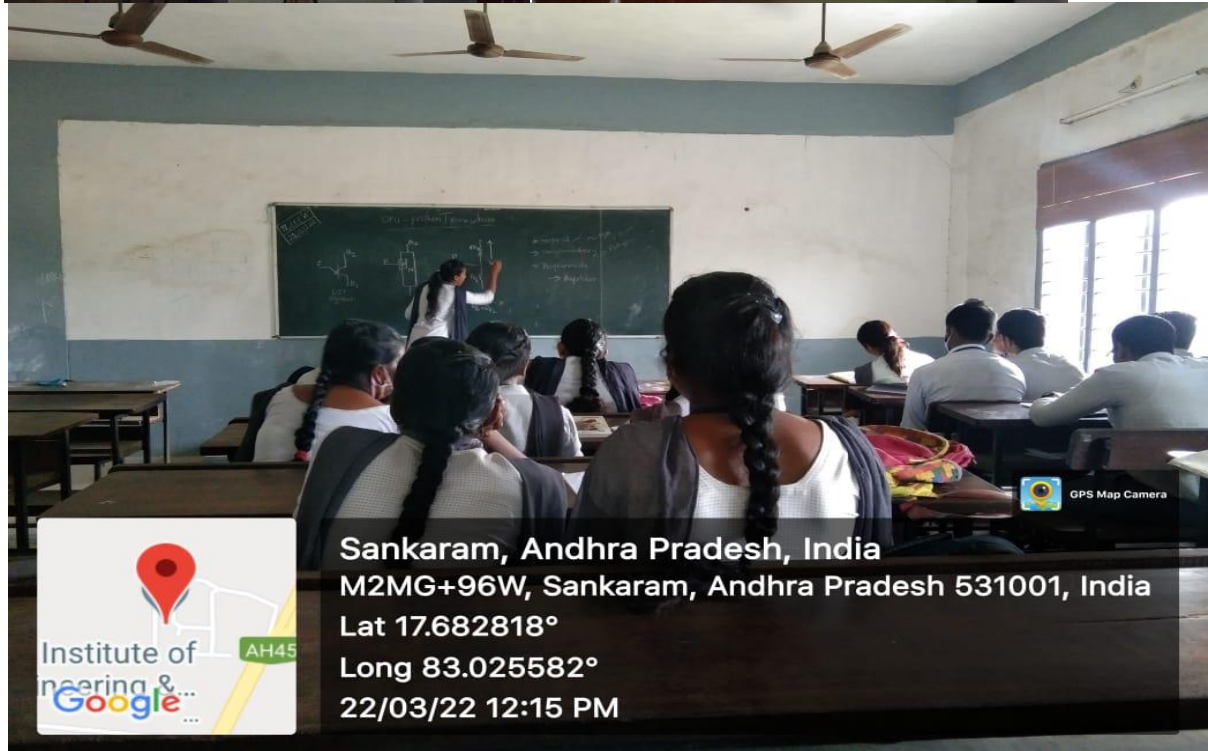
Skill Oriented course for II BTECH CIVIL students



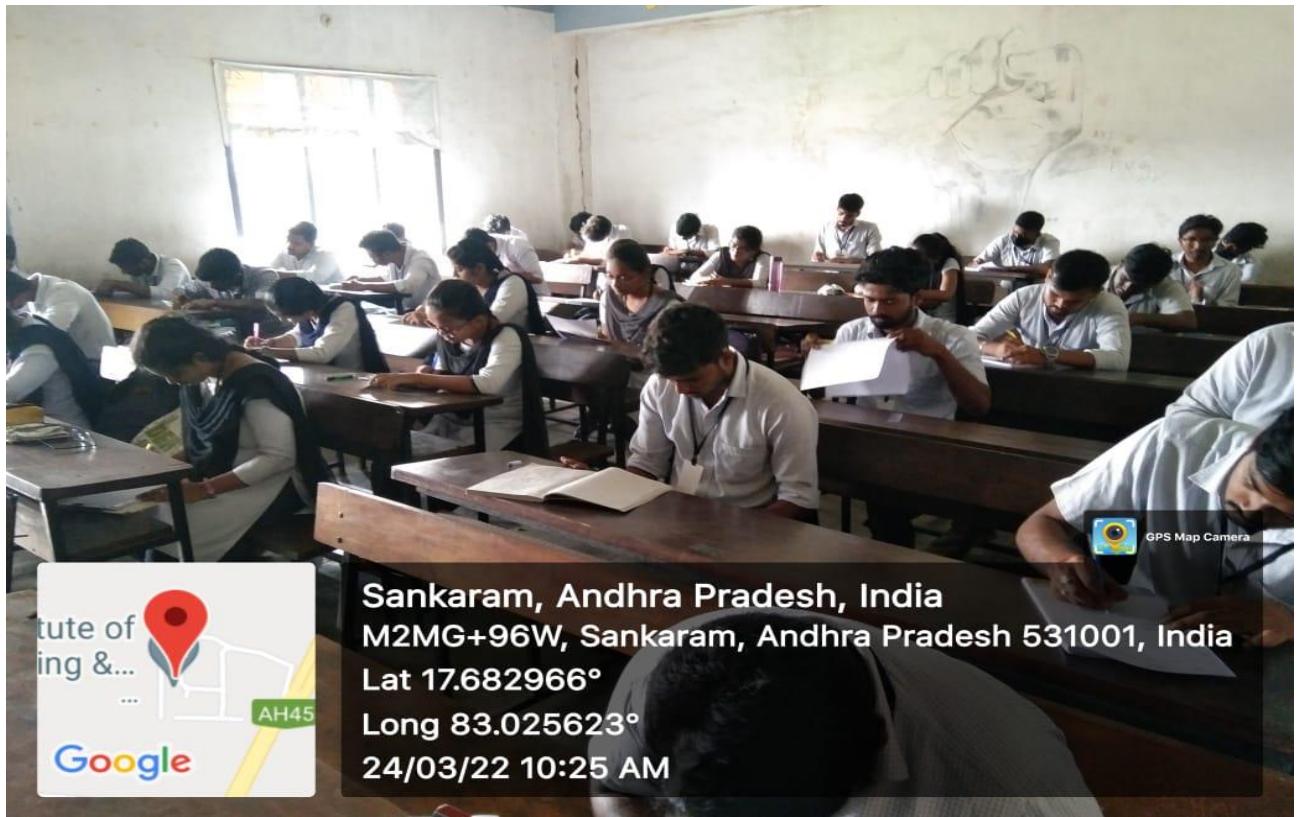
Pictorial Explanation of Technical Concepts



Student Seminars in class



Sankaram, Andhra Pradesh, India
M2MG+96W, Sankaram, Andhra Pradesh 531001, India
Lat 17.682818°
Long 83.025582°
22/03/22 12:15 PM



Sankaram, Andhra Pradesh, India
M2MG+96W, Sankaram, Andhra Pradesh 531001, India
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Long 83.025623°
24/03/22 10:25 AM

Technical Essay Writing Competition

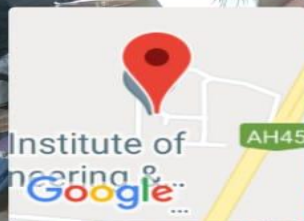
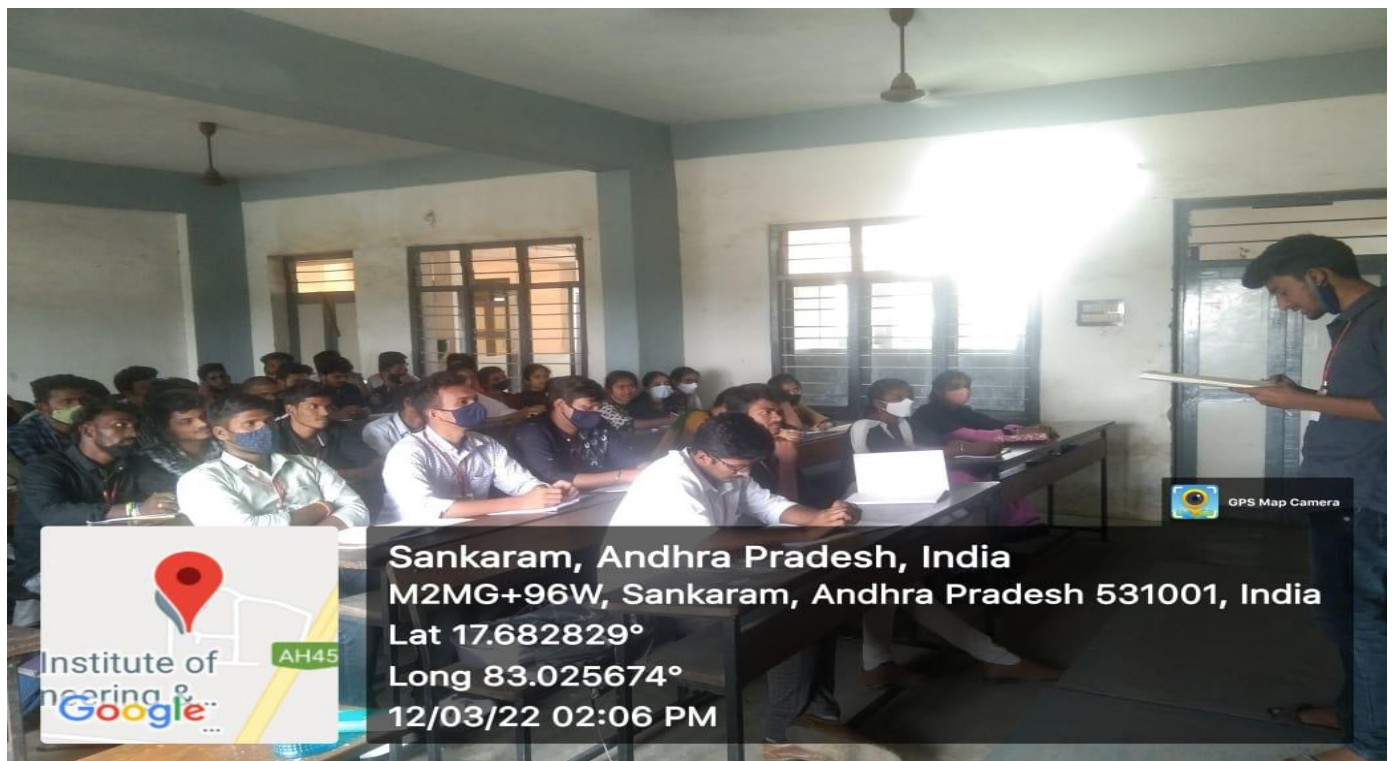


Sankaram, Andhra Pradesh, India
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Long 83.025675°
24/03/22 10:25 AM



Sankaram, Andhra Pradesh, India
M2MG+96W, Sankaram, Andhra Pradesh 531001, India
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Long 83.025577°
09/03/22 12:27 PM

Extempore & Elocution Activity for Students



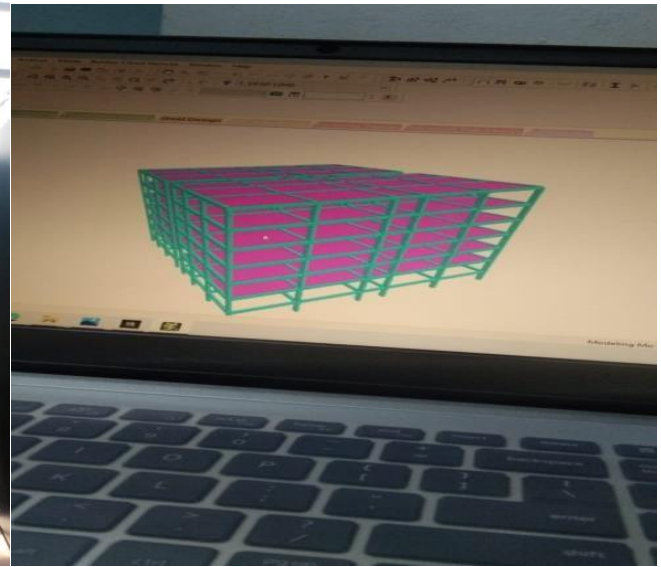
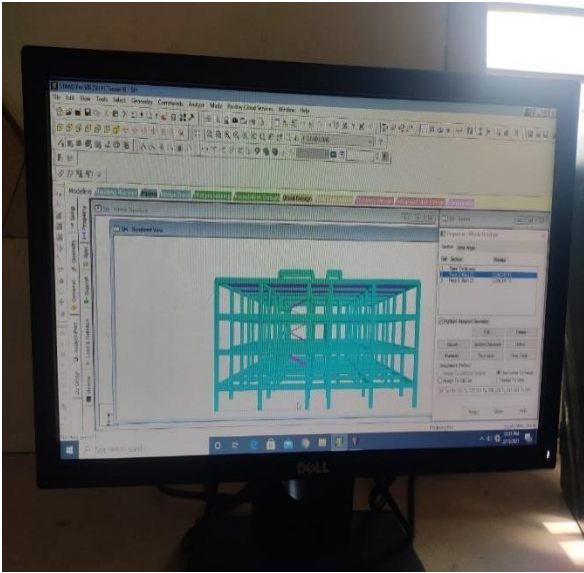
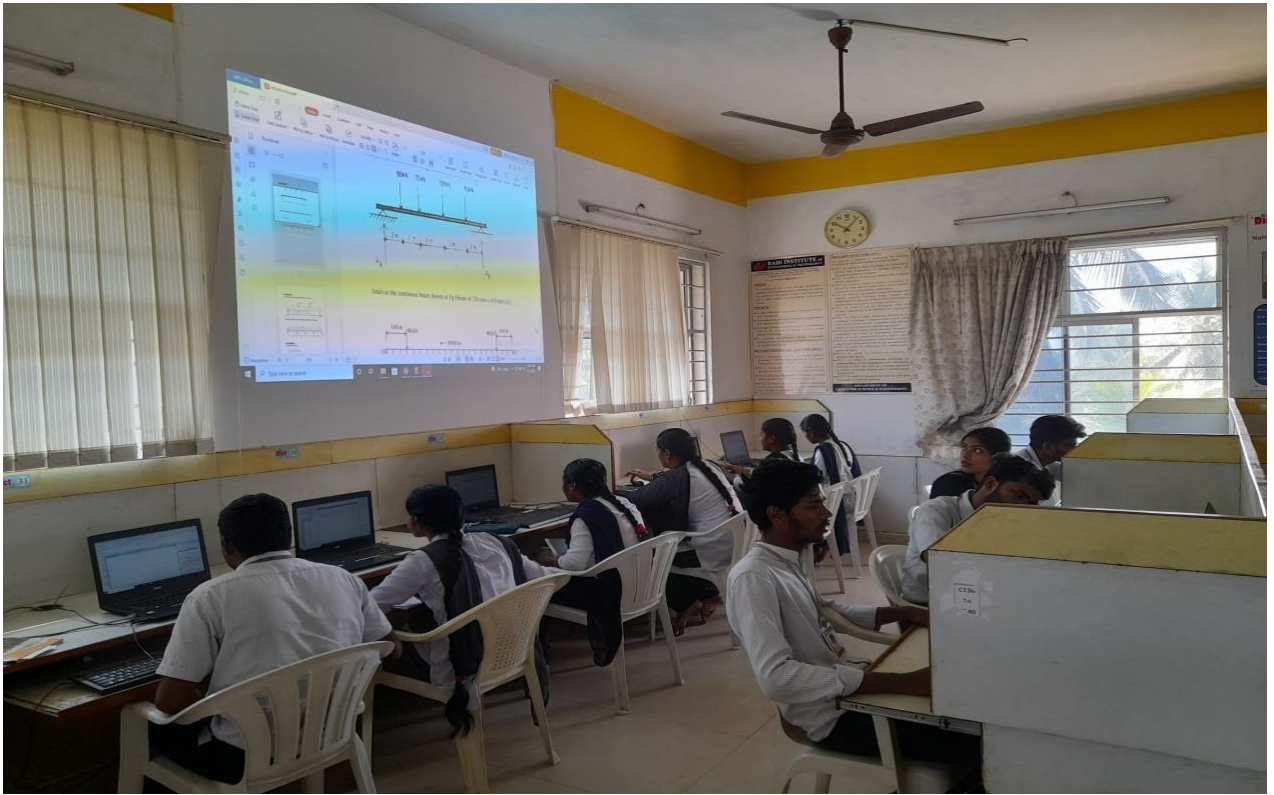
Sankaram, Andhra Pradesh, India
M2MG+96W, Sankaram, Andhra Pradesh 531001, India
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Long 83.025674°
12/03/22 02:06 PM

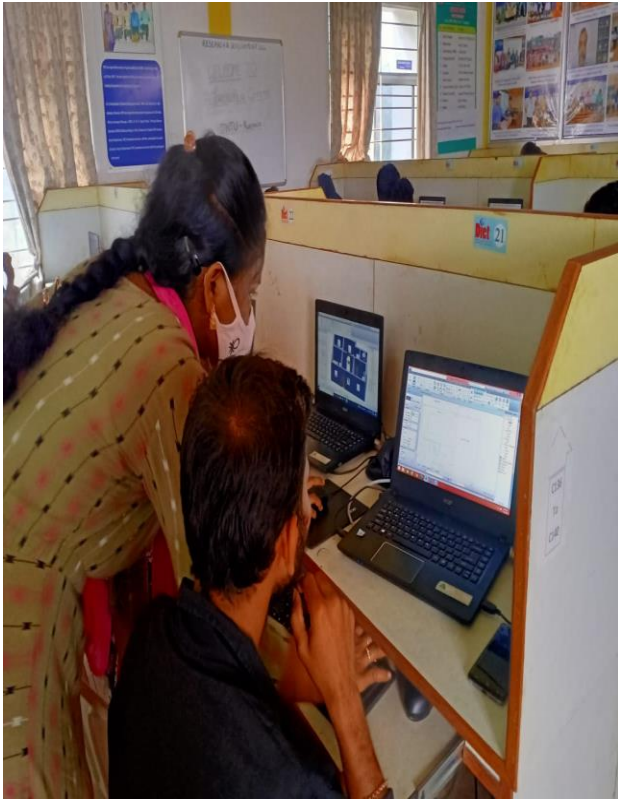


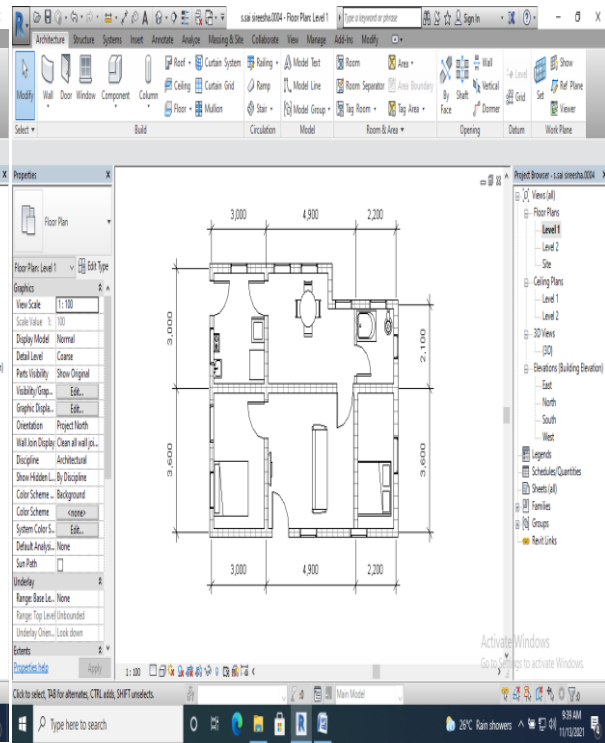
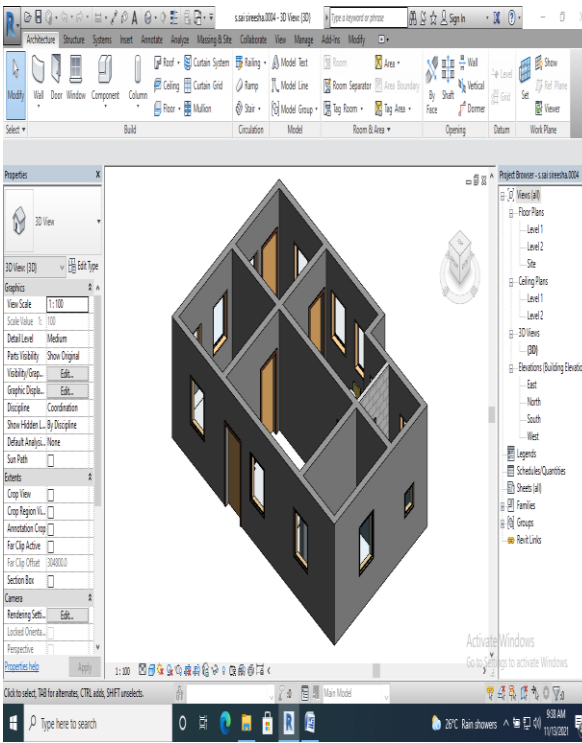
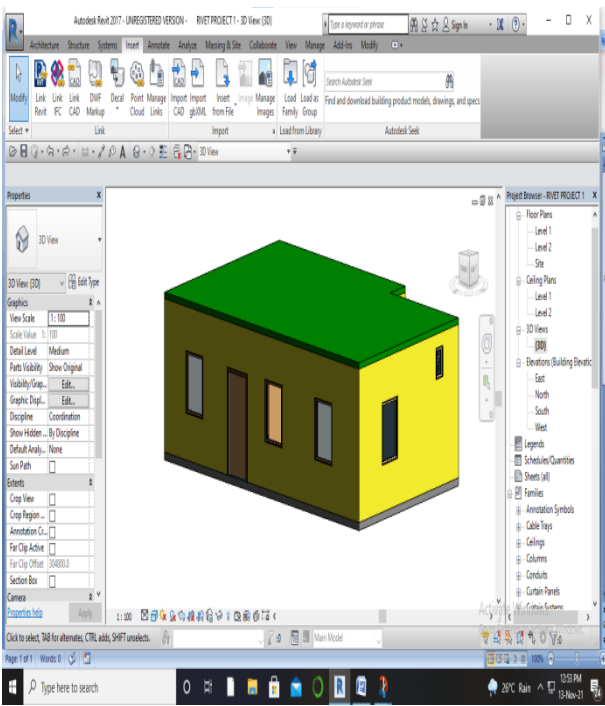
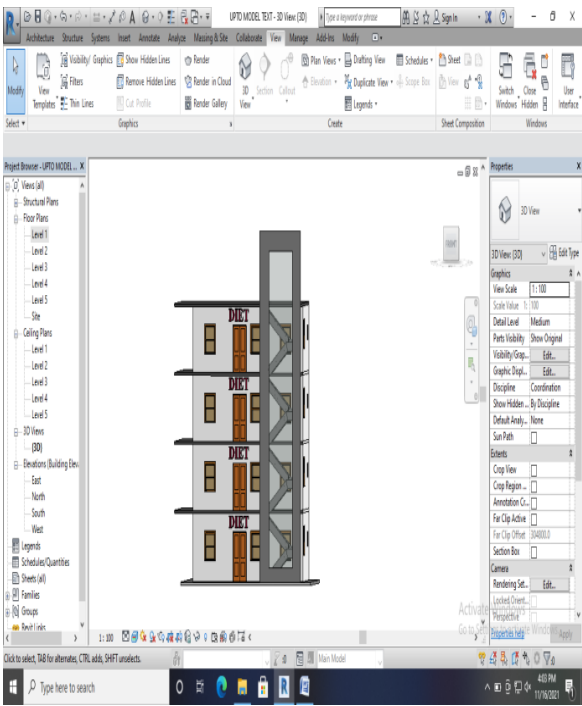
Faculty using Power Point Presentation for Skilled Sessions



Experiential & Project Based Learning with practical experimentation







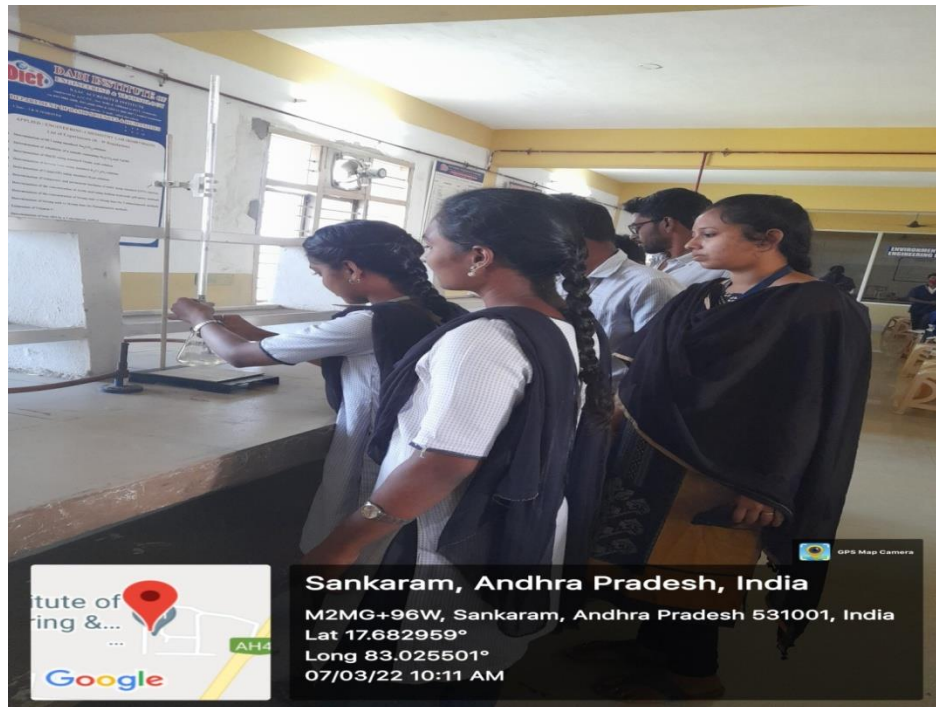


Student Participation in Employability Skill Sessions





Practical Explanation of Laboratories



Internal & External project reviews for IV EEE Students

A screenshot of a Google Meet video conference. The browser address bar shows the URL: meet.google.com/bdo-ohoz-ugj?pli=1. The meeting title is "B. Ramya, CIV, DIET is presenting". The main content area displays a presentation slide titled "Conclusions" with the following text:

By this study everyone got the clarity about to learn and start initiation of green campus activities in every educational institute, universities etc.

Learn human mistakes about:

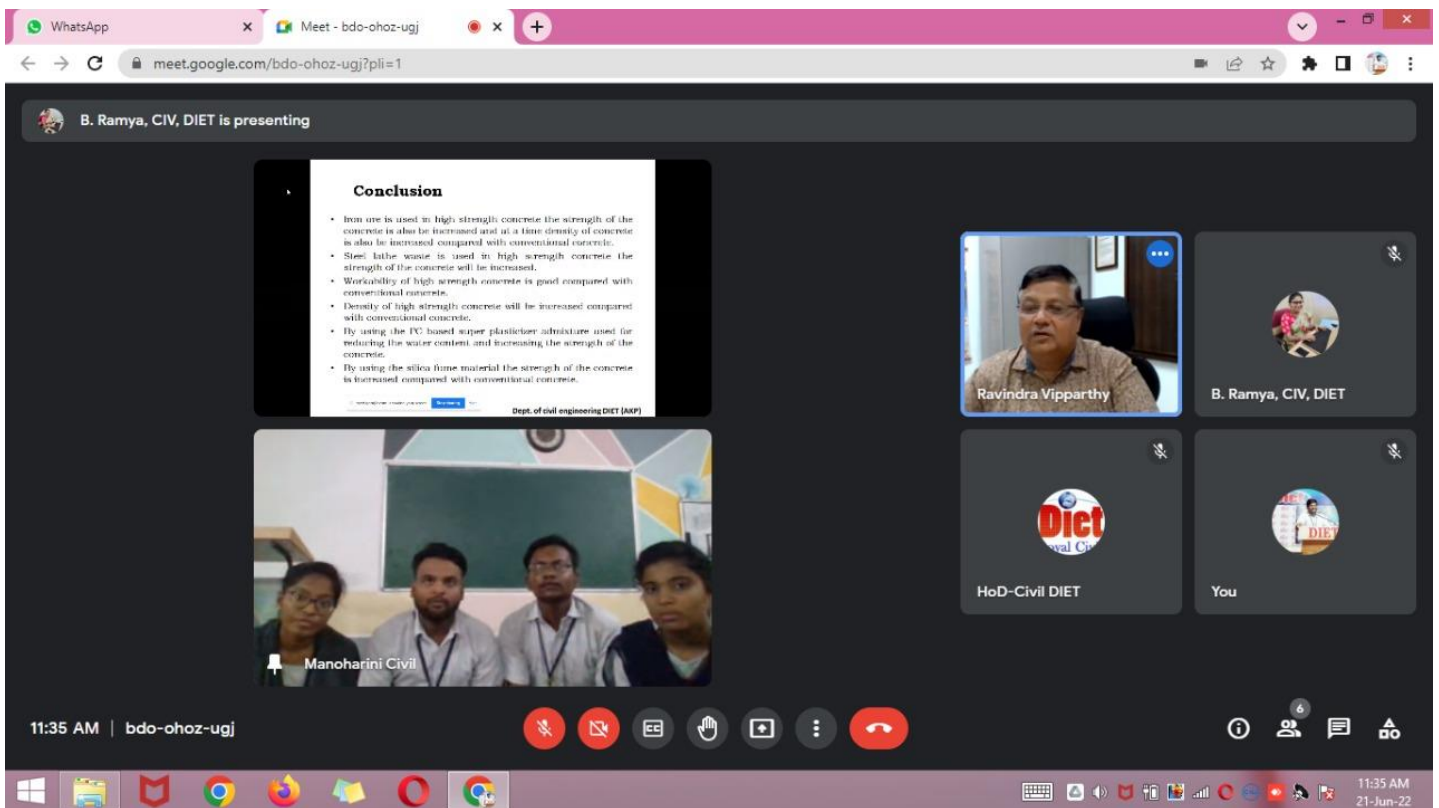
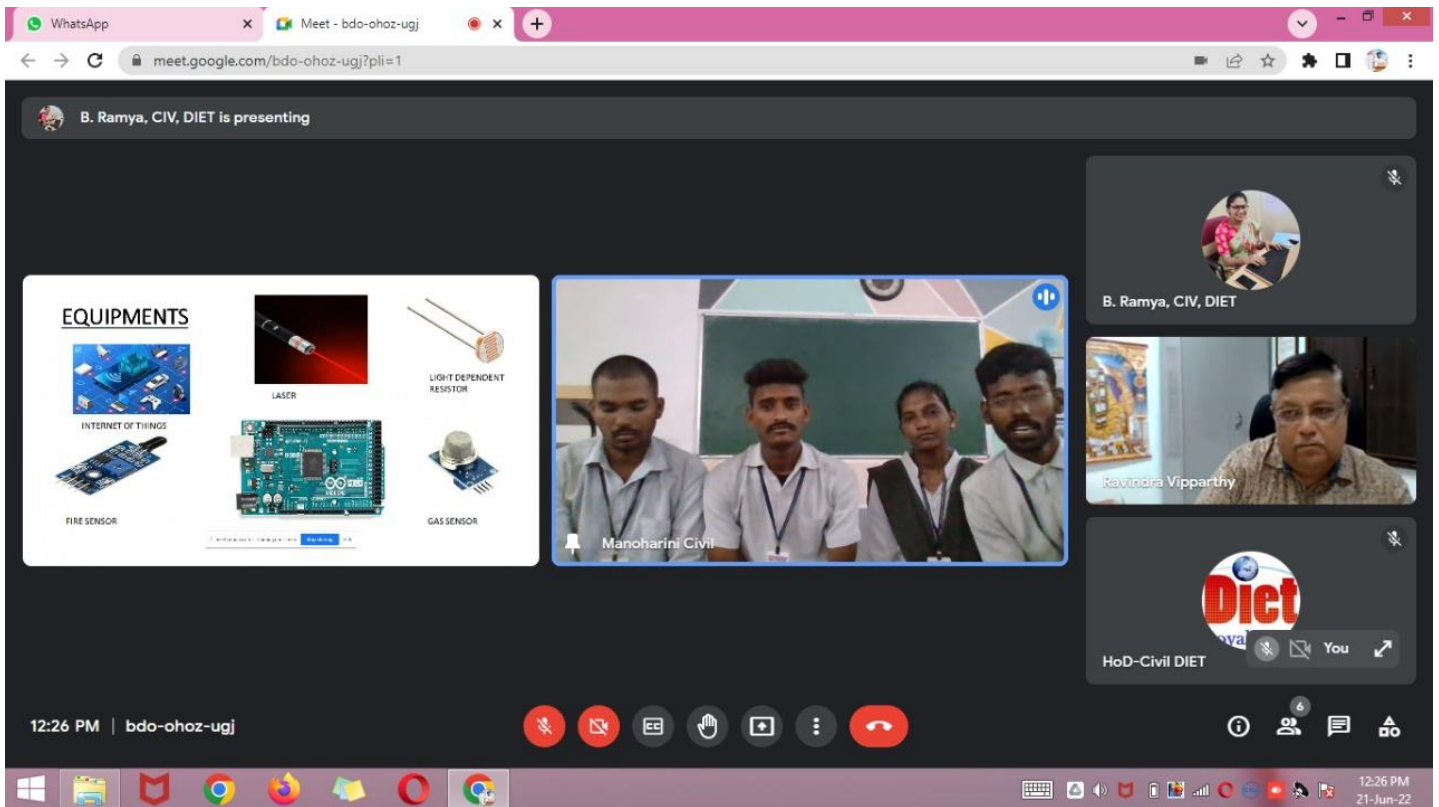
- Wastefulness in water concept
- Holding rain water and diverting the run off by Harvesting methods
- Importance of waste segregation
- Fire safety measures and awareness
- Importance of Ground water bodies recharge by human activities
- Internal Revenue generation
- Importance of Neutralization process
- Knowledge on solar power system
- Reducing the natural electrical power

The slide also includes a logo for "SRI RAMA ENGINEERING COLLEGE" and "DIET".

Participants in the meeting include:

- Mr Naveen kumar .s Civil (shown in a video window)
- Ravindra Vipparthy
- B. Ramya, CIV, DIET
- HoD-Civil DIET
- You

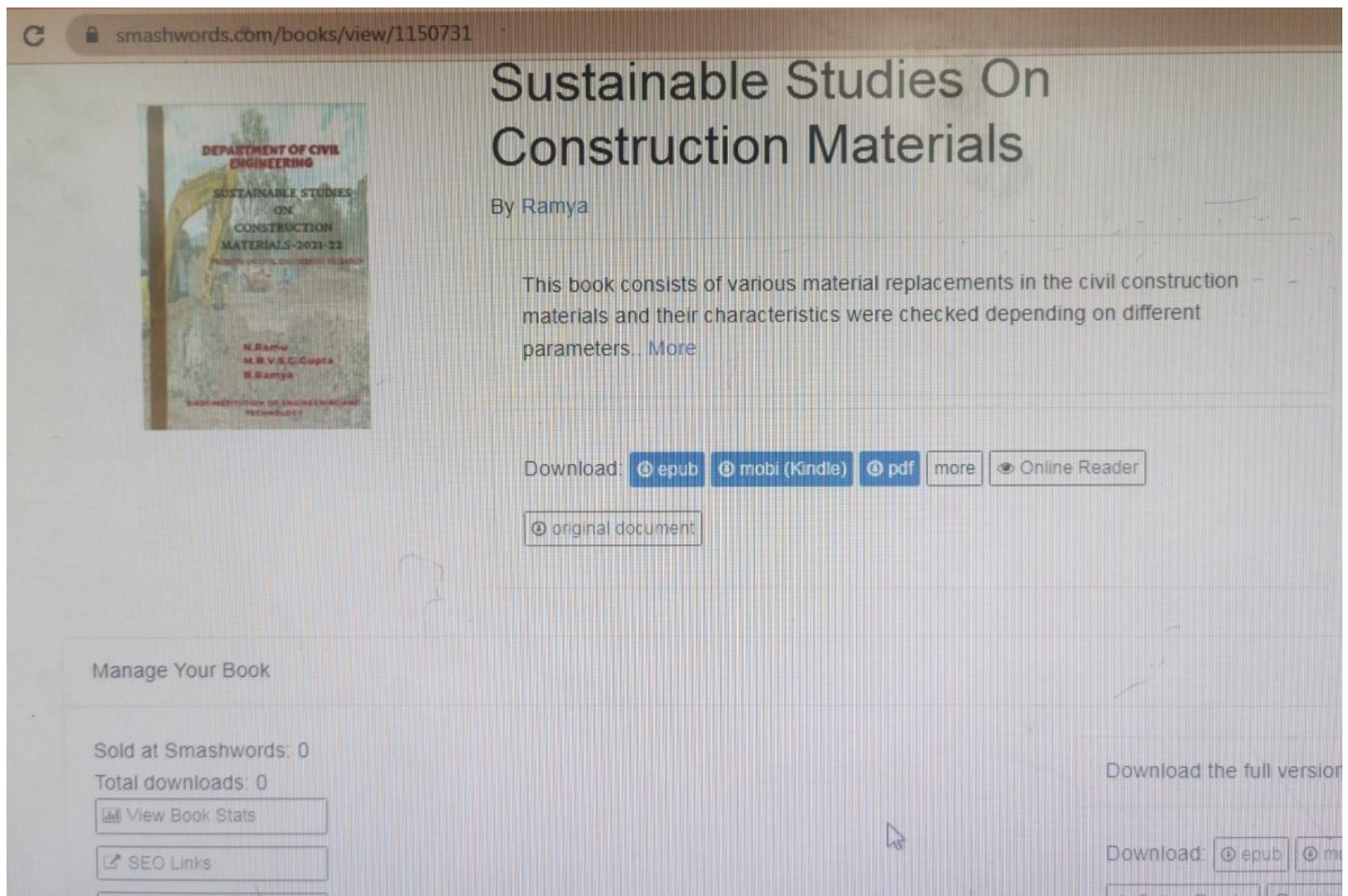
The bottom of the screen shows the Windows taskbar with the time 1:45 PM and date 21-Jun-22.



Research Contribution

In view of recent trends in experiential & participatory learning towards research, Department of CIVIL organized sufficient programs through functional Committees and IE(I) student chapter. As a result the students of CIVIL published their research work in reputed journals and conferences. The blended mode of education explored the efficiency of the students in all aspects particularly in

research. As a token of continuous efforts from faculty & students The department released a Book series named **SSCM (Sustainable studies on construction materials Projects-edition 2022) which was published on June 7,2022 with ISBN No; 9781005515102.**



Advanced Teaching & Learning Strategy

As per the academic committee resolutions, The institute has taken an initiative to upgrade the teaching and learning process to next level by implementation of Teachers diary with continuous STLP/STLRP checking to improve the quality of education. We will assess the Student with the following steps.

Step 1: After two weeks of semester, take an assessment test -1 as per the instructor choice of assessment like assignment, quizzes, Role play, presentation etc.

Step 2: The assessment done based on the 10 points:

1. Student Interaction/Learning & Problem Solving Skills: 3 M
2. Test 1: 3M
3. Assignment: 2M
4. Student Attitude: 2M

Step 3: Based on themarks, initial analysis done on the student understanding level.

Step 4:The same assessment done before & after Mid Internal examinations to identify the students for slow learner /fast learner programs.

Step 5:Action Plan for slow learners and fast learners implemented such as remedial /Gate/CRT classes.

Step 6:Allocation of revision schedule for examination preparation.

Step 7: Conduction of Backlog Classes for studentsto boost upthe students to be benefited.

This strategy implemented for 2021-22, The Sample files attached here for reference :

HOD

Principal