

2.3.1 Student centric method that are used for enhancing learning experiences 2020-2021.

S.No	YEAR	NAME OF WORKSHOP /SEMINAR	NUMBER OF PARTICIPANTS	DATE FROM-TO
1	2020-21	AutoCAD Workshop	69	04-08-2020 to 08-08-2020
2	2020-21	National Workshop on Mathematics for Engineers	25	21-12-2020 to 22-12-2020
3	2020-21	5 day online workshop on an applied deep learning with pytorch	55	01-02-2021 to 05-02-2021
4	2020-21	Survey Camp - Workshop for Students in association with DSNM Solutions Pvt Ltd, Guntur	62	15-02-2021 to 19-02-2021
5	2020-21	Seminar on "ETABS Software"	54	20-02-2021
6	2020-21	Seminar on "Concrete durability issues and their measurement methods"	57	25-03-2021


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7	2020-21	workshop on Arduino Based system Design Via hands on Experience	50	18-01-2021 to 22-01-2021
8	2020-21	Workshop on FULL STACK WEB DEVELOPMENT	260	22-01-2021 to 29-01-2021
9	2020-21	A Two-Day Seminar on Recent Developments in the operation of Electrical Systems and Smart Grid	60	16-04-2021 to 17-04-2021
10	2020-21	Faculty Workshop on "Six Sigma and DOE" under ISTE Chapter	12	17-05-2021 to 21-05-2021
11	2020-21	Applications of Artificial Intelligence and Machine Learning in Electrical Engineering	54	17-05-2021 to 22-05-2021
12	2020-21	Machine learning through mathematical modeling using R and python	63	27-07-2020 to 31-07-2020

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13	2020-21	A Webinar on Smart Grid Technology	100	25-05-2021
14	2020-21	Two day Workshop on Recent Advances in Engineering Sciences for Engineers	27	08-08-2020 to 09-08-2020
15	2020-21	Advanced Technologies in IT Sector	210	29-05-2021


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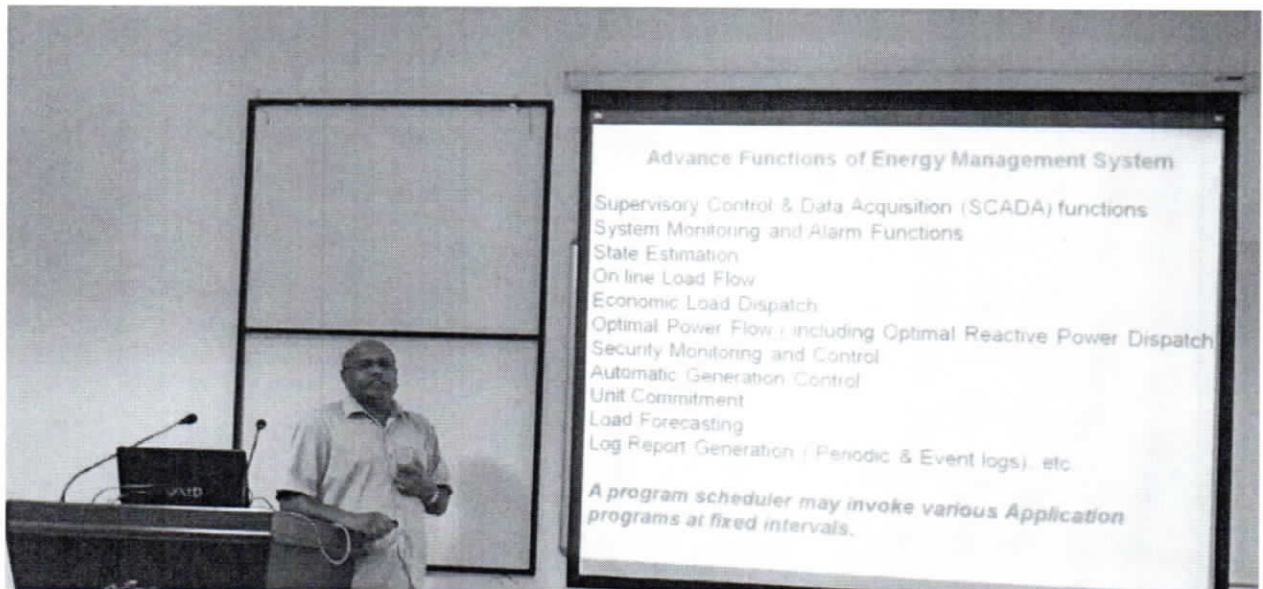
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Report on

**A Two-Day Seminar on Recent Developments in the Operation of
Electrical Systems and Smart Grid**

The Department of Electrical and Electronics Engineering, G. Pullaiah College of Engineering and Technology has conducted a Two-Day Seminar on Recent Developments in the Operation of Electrical Systems and Smart Grid during 16th April 2021 to 17th April 2021. In this workshop a total of 60 members have participated. The resource persons covered the topics such as Urbanization, Smart grid concept, Reliability, Security, Demand side management system, Micro-grids and integration of renewable resources, Metering, Self-Healing, New technologies and research, Energy management system, Internet of things (IoT), Smart grids with electric vehicles, Investment in smart grid.




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Report on
Workshop on Full Stack Web Development

The Department of Computer Science and Engineering, G. Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh, India conducted a 8 Day Workshop on Full Stack Web Development during 22nd January 2021 to 29th January 2021. In this workshop a total of 260 members have participated actively. The resource persons explained the topics like **Introduction**, **Frontend** – HTML, CSS3, JavaScript, **Backend** – Node.js, PHP, **Database** – MySQL, MongoDB, **Version Control** – GIT, GITHUB, Basic HTML Programming, Styling with CSS3, Basic JavaScript Concepts, Backend programming with PHP, App Development with Angular, Database Design using MySQL, MongoDB- Learning NoSQL Database Design, Git & Version Control, Chrome Developer Tools, PHP errors, Debugging & Config, PHP Job Board, HTML5 Note App Using LocalStorage.



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Report on
Workshop on Arduino Based System Design Via hands on

The Department of Electronics and Communication Engineering, G Pullaiah College of Engineering and Technology conducted a 5 Day Workshop on Arduino Based System Design via hands on during 18th January 2021 to 22nd January 2021. In this workshop a total of 50 members have participated actively and they have learned the topics; Detailed coverage of Arduino Uno programming using Arduino IDE, Prime emphasis on programing logic development, Working with LED's, Working with pushbuttons, Working with External Interrupts, Analog to Digital Conversion & PWM, Bluetooth Module, Servo Motor Control, LCD interfacing, Keypad interfacing, Coverage of sensor interfacing with Arduino Uno board, Coverage of Motor Interfacing, Coverage of data communication protocols such as UART, SPI and I2C, Integration of Arduino Uno with Android Application, Simulation of Arduino based circuits using TINKERCAD platform, Coverage of projects with fully tested and ready to use codes.



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Report on

Concrete durability issues and their measurement methods

The Department of Civil Engineering, G. Pullaiah College of Engineering and Technology, Kurnool conducted a 1 Day Seminar on “Concrete durability issues and their measurement methods” on 25th March 2021. In this workshop a total of 57 members have participated. The resource person Dr. Ramesh explained topics like Simple VPV (Volume Of Permeable Voids) Test Method, Physical Structure Of Cement Paste, Transport Mechanisms In Concrete, Comparison Of Various Durability Tests For Concrete, Durability Test Methods Vpv - Test For Absorption And Volume Of Permeable Voids (As 1012.21), Chloride Diffusion (Including The Nordtest Method), Water Permeability, Rapid Chloride Permeability Test (RCPT), Sorptivity Test, Initial Surface Absorption Test (ISAT), Porosity Tests, Gas Permeability, General Comments On Durable Construction , Physical And Chemical Characteristics Of Cement Composites, Concrete Aggregates.



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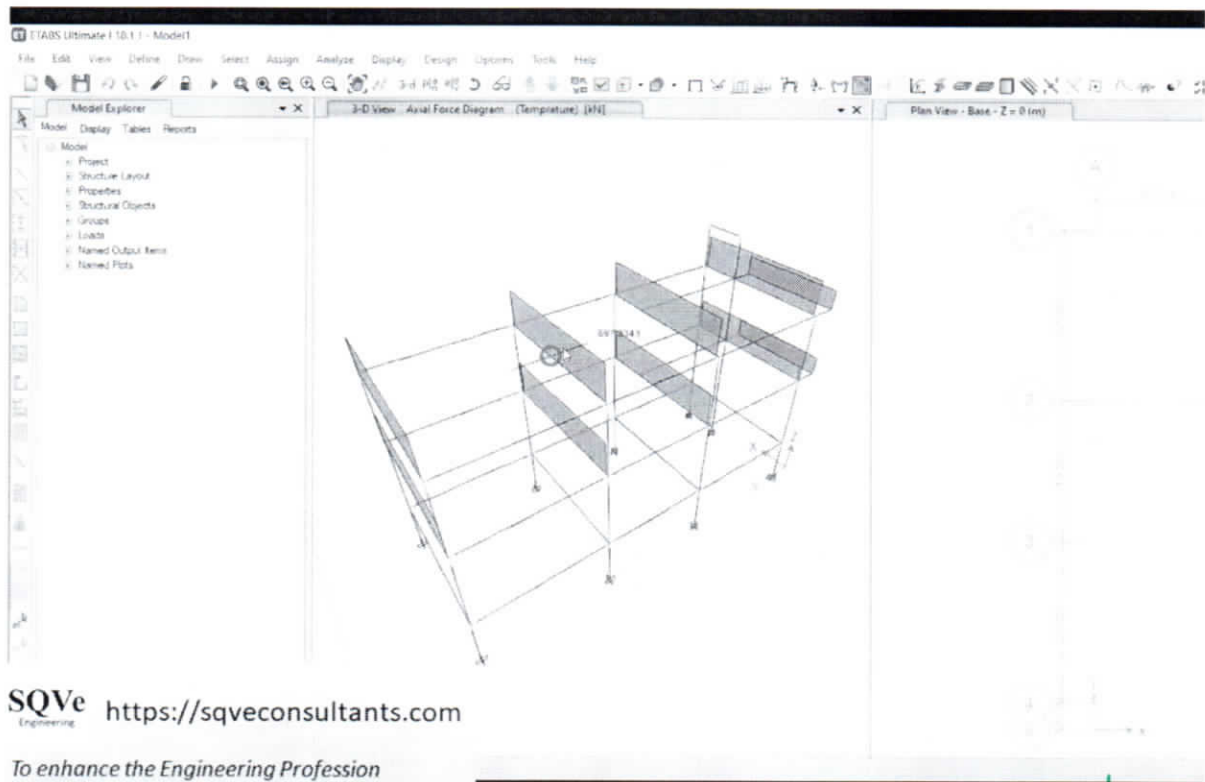
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Report on

Seminar on “ETABS Software”

The Department of Civil Engineering of G Pullaiah College of Engineering and Technology has conducted a 1 Day Seminar on “ETABS Software” on 20th February 2021. In this workshop a total of 54 members have participated and learned the topics like Analyze a multistoried building using ETABS, Design the structural components –Beams, Columns, Slabs, Stair, Shear Wall, Foundation, Professional practice in the field of structural engineering, Preparation of Auto CAD drawings, Calculation of Loads, Analysis of the structure, Design and detailing of structural elements, Define Service load patterns, Applying loads, Define Restraints, Frame Assignment-End Length Offset, Meshing slabs and frame, Analyzing, Start animation for monitoring mistakes, Shell forces/Stresses.



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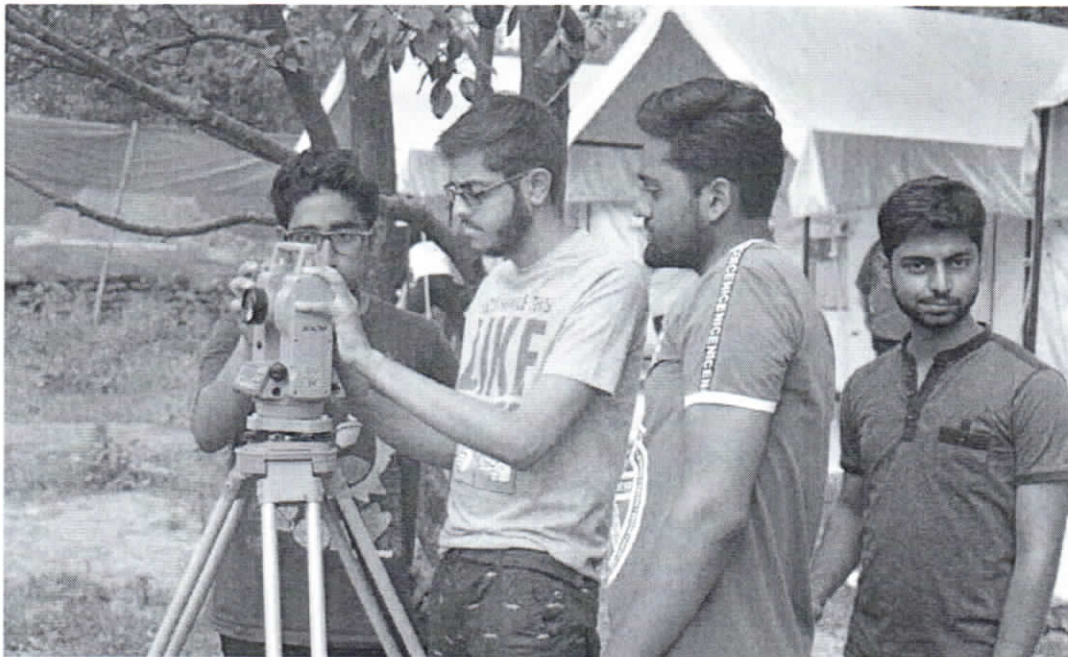
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Survey Camp-Workshop for Students in association with DSNM Solutions PvtLtd, Guntur

The Department of Civil Engineering of G Pullaiah College of Engineering and Technology has conducted a 5 Day Survey Camp- Workshop for Students in association with DSNM Solutions Pvt Ltd, Guntur during 15th February 2021 to 19th February 2021. In this workshop a total of 62 students have participated actively and they have learned the topics like Topographical survey and prepare topographical map of the area as per given technical specifications, To produce high level technical manpower capable of undertaking works in surveying field, To fix minor traverse for detailing, To transfer the elevations of the known points from unknown points, To familiarize in handling different survey instruments, Various surveying exercises- Fly levelling, compass surveying, theodolite surveying and plane table surveying and Contouring.



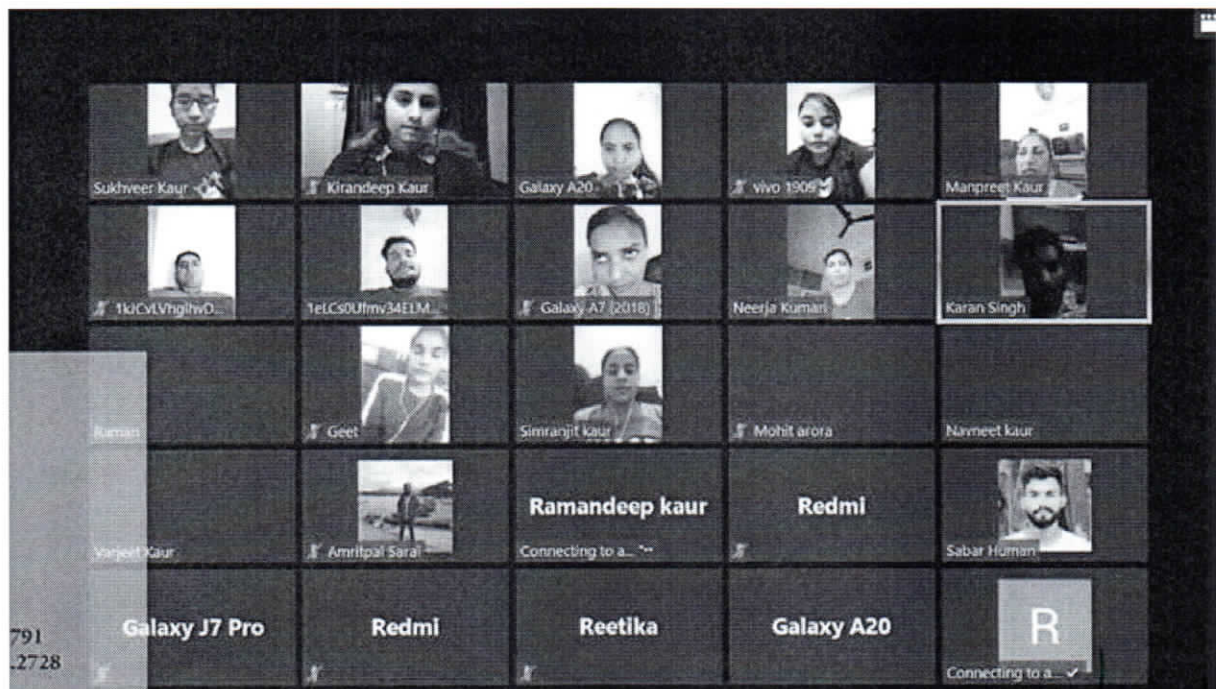
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Report on

Online Workshop on an Applied Deep Learning with Pytorch

The Department of Computer Science and Engineering of G Pullaiah College of Engineering and Technology has conducted a 5 Day Online Workshop on an Applied Deep Learning with Pytorch during 1st February 2021 to 5th February 2021. In this workshop a total of 55 members have participated actively and they have learned the topics like Detect a variety of data problems to which you can apply deep learning solutions, Introduction to Deep Learning and PyTorch, Learn the PyTorch syntax and build a single-layer neural network with it, Building Blocks of Neural Networks, Convolutional Neural Networks, Build a deep neural network to solve a classification problem, Develop a style transfer model, Implement data augmentation and retrain your model, Build a system for text processing using a recurrent neural network.



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Report on
National Workshop on Mathematics for Engineers

The Department of Electrical and Electronics Engineering, G. Pullaiah College of Engineering and Technology, Kurnool conducted a 2-Day National Workshop on Mathematics for Engineers during 21st December 2020 to 22nd December 2020. In this workshop a total of 25 members have participated actively. The topics covered in this workshop includes statistics, linear algebra, differential and integral calculus, Basic Algebraic Manipulations, Trigonometry, 2-D Vectors, Complex Numbers, Sinusoids & Harmonic Signals, Matrices & Systems of Equations, Basics of Differentiation, Basics of Integration, and Differential Equations, Introductory Mathematics for Engineering Application, MATLAB: An Introduction with Applications, Probability theory with emphasis on Bayes theorem, random variables, distributions, Markov and Chebyshev's inequality, central limit theorem, random processes. Sampling theorem, few case studies of the use of advanced mathematical ideas in engineering. At the end of the workshop all the participants appreciated the efforts of organizers.

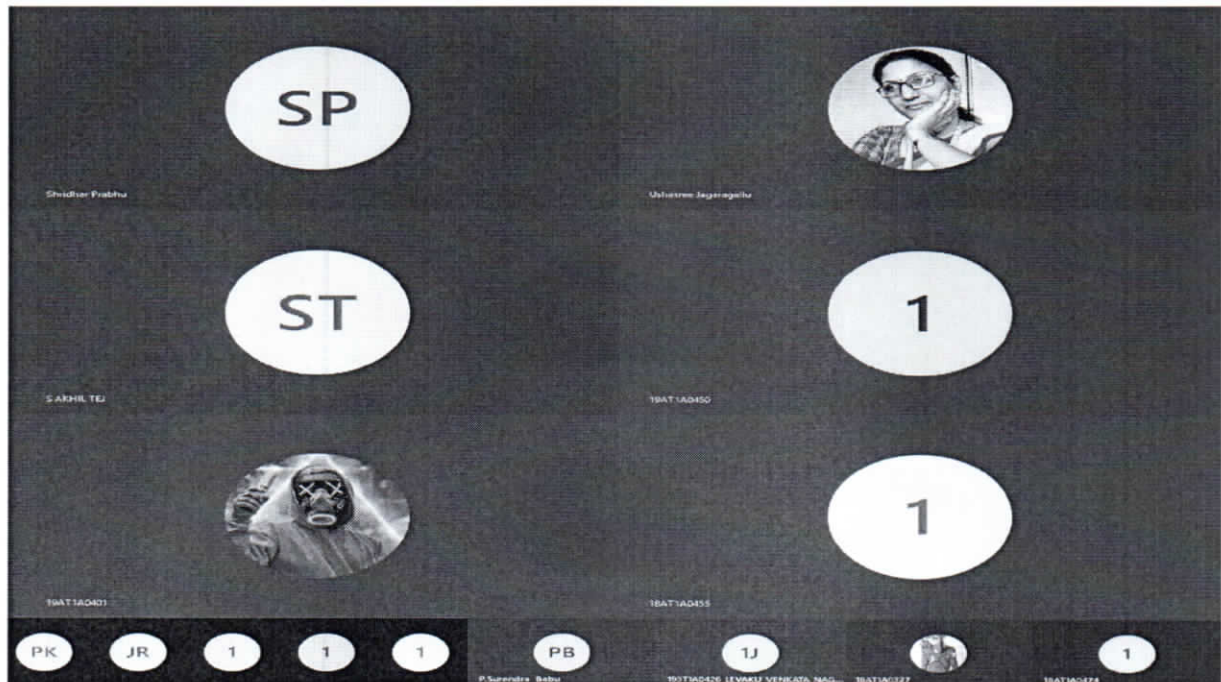


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AutoCAD Workshop

The Department of Civil Engineering, G. Pullaiah College of Engineering and Technology (GPCET) has conducted a 5 Day workshop on AutoCAD during 04th August 2020 to 08th August 2020. In this workshop a total of 69 members have participated actively and they learned the topics like Auto CAD Interface, Block, W-block, X-attach and X-Ref., Sketch Entities and Sketch Tools, Sketch Visualization and Sketch Analysis, Dimensions and Dimension Styles.



At the end of the workshop all the participants expressed their happiness and greetings to the organisers for conducting the workshop on useful technology.


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