

Pedagogical Initiatives 2022-2023

S.No	Name of the Faculty	Year/Sem	Course Code	Name of the Course	Date	Course Topic	Pedagogical Initiatives	Addressed Course Outcome	Impact on Pedagogical Initiatives
1	Mrs. B. S. Meenakshi	I/II	U21CE201	Engineering Mechanics	12.07.2022	Calculation of centroid	Demo through Model Making	CO3 and CO4	Knowledge of static equilibrium of particles and rigid bodies and to comprehend the effect of friction on equilibrium
2	Mr. S. Vinoth	II/III	U19CE301	Concrete Technology	12.08.2022	Test on Cement, Fine Aggregate and Coarse Aggregate	Hands on Training	CO1, CO2 and CO3	Students learned the tests to be carried out on various concrete making materials as per IS codal provisions.
3	Mr. S. Vinoth	III/VI	U19CEP16	Building Services	14.07.2022	Electrical Layout Installations and Drawings	Hands on Training	CO2 and CO3	Knowledge on building services and the various types of mechanical and electrical services
4	Dr. R. Dharmaraj	I/II	U21CE202	Buildind Materials	13.06.2022	Tests on Stones	DEMO	CO1	Students able to understand the manufacturing process, tests and uses of stone, bricks and concrete blocks
5	Ms. K. Dhivya	III/IV	U19CEP11	Irrigation Engineering	05.08.2022	Alakalinity, Salinity, Water Logging and Reclamation	Team Discussion	CO5	Students were able to understand the concepts of alkalinity, Salinity, Wate logging and Reclamation
					05.08.2023	Types of Irrigation	Team Discussion	CO2	Students were able to understand the concepts of various methods of irrigation
6	Ms. K. Dhivya	IV/VII	U19CEX05	Disaster Management	06.08.2022	Case Study on Earthquake, Landslide and Flood	Team Discussion	CO1	Students were able to understand the concepts of Earthquakes, Landslide and Flood
7	Mr. S. Elavarasan	II/III	U21CE302	Fluid Mechanics	16.10.22	Visit to Gorur Dam	On-site Learning	CO2	Students were able to understand the purpose of raising the water level on the upstream side of a river
					26.09.22	Discharge measuring devices	Hands on Training	CO2 and CO3	Students were able to understand the discharge measuring devices and its working principles
8	Mrs. R. Kavitha	III/IV	U19CE501	Design of RC Elements	01.11.22	Design of T Beam	Demo Model	CO5	Students understood the various aspects of design and detailing of T beam design in concrete structures
					04.11.22	Site Visit to Hostel Block	On-site Learning	CO2, CO3, CO4	Students understood about the functioning of reinforced concrete slab and various RCC elements
9	Mr. S. Logeshwaran	IV/VII	U19CEP19	Traffic Engineering Management	15.11.22	Calculation of turning radius of vehicles	On-site Learning	CO2	Students were able to calculate of turning radius of vehicles
10	Mrs. B. S. Meenakshi	III/IV	U21CE504	CADD Lab	16.11.22	Sectional drawing for 3D elements on learn it	Hands on Training	CO1 and CO2	Students able to learn the basics of the plan, section and elevation for the 3D Model
11	Mr. D. Vivek	II/III	U21CE301	Concrete Technology	18.11.22	Readymix Concrete	On-site Learning	CO5	Students understood the concepts of mix design in RMC plant
12	Mrs. P. Indhiradevi	II/III	U21CE302	Fluid Mechanics	16.11.22	Application of Bernoulli's Equation	DEMO using Laboratory Equipment	CO3 and CO4	Students can able to examine Bernoulli's equation for ideal and real fluids and evaluate the direction of flow
13	Mrs. P. Indhiradevi	IV/VII	U19CE701	Construction Project Management	16.11.22	Project Feasibility Study	Inquiry based learning using software tools	CO4	Students were able to design the framework for a sound project feasibility study for a construction project
14	Mr. S. Yuvaraj	I/II	U21CE201	Engineering Mechanics	25.11.22	Calculation of centroid and Moment of Inertia of an irregular portion	Real Time Learning by doing	CO3	Students gained knowledge about the different properties of surfaces and solids
15	Mr. S. Yuvaraj	II/III	U21CE303	Strength of Materials - I	25.11.22	Calculation of shear force, Bending Moment and Deflection	Usage of software tool - STADD PRO (an anlysis software)	CO1 and CO2	Students can able to illustrate the effects of different load conditions action on the beam
16	Mr. Vivek Kumar	II/III	U21CE303	Strength of Materials - I	25.11.22	Ananalysis of Beam	Analysis of beam using MATLAB software	CO2	Students learned about the features of MATLAB as a programming tool
17	Dr. R. Dharmaraj	III/IV	U19CE501	Design of RC Elements	16.11.22	SiteVisit of Arts Block - KPR	On-site Learning	CO3	Students understood the functioning of reinforced concrete alab and various RCC elements.
18	Dr. R. Saravannakumar	III/IV	U19CEP12	Construction Techniques Equipments and Practices	29.11.22	Construction Practices - Bond in Masonry in Learn It	DEMO through Models	CO1 and CO2	Students understood the different types of bond in masonry

19	Mr. S. Vinoth	IV/VII	U19CE703	CADD Lab	01.12.22	Analysis and design of Residential building using Stadd Pro.	Mini Project	CO1 and CO3	Students were able to design the various structural elements with varying combinations of loading conditions.
20	Mr. S. Vinoth	III/IV	U19CEX05	Disaster Management	01.12.22	Case Study on various types of natural and man-made disaster	Mini Project	CO5	Students learned about the disaster mitigation techniques
21	Mr. S. Vinoth	II/III	U21CE301	Concrete Technology	25.11.22	Test on fresh concrete	Hands on Training	CO2	Students learned the properties of fresh concrete and their tests
22	Mrs. C. Vinodhini	IV/VII	U19CEX05	Disaster Management	03.12.22	Concept of Disaster Management	Peer to Peer Learning	CO5	Students able to understand the concepts of disaster management
23	Mrs. C. Vinodhini	III/IV	U19CE504	Total Quality Management	03.12.22	Quality Management Systems	Group Discussion	CO5	Students were able to understand the benefits of ISO and importance of internal audits
24	Mrs. C. Vinodhini	II/III	U19CE306	CADD Lab	03.12.22	Measurements in existing structure	Hands on Training	CO3	Students understood the importance of measurements and to recognised the importance of designs and drawings
25	Dr. K. S. Elango and Dr. S. Anandaraj	III/IV	U19CE502	Structural Analysis - I	05.12.22	Analysis of Continuous beam using software	Software Tools	CO2	Students were able to design the shear force and bending moment in a continuous beam
26	Mr. P. Kalaivanan and Mr. S. Ganesh Kumar	IV/VII	U19CE702	Estimation and Quantity Surveying	21.09.22	Estimation and Rate analysis of building work	Learning followed by DEMO through Ms Excel	CO2	Students were able to prepare detailed estimate for various item of work in a building of various structures.
27	Dr. S. Kanmani	IV/VII	U19CEX02	Waste Management	06.12.22	Case Study on Municipal Solid Waste Management	On-site Learning	CO2 and CO3	Students were able to understand about the solid waste management
28	Dr. K. S. Elango and Dr. S. Anandaraj	III/VII	U19CE603	Structural Analysis - II	25.05.23	Analysis of Structure using STAAD Pro.	Hands on Training	CO2 and CO3	Students able to estimate the shear force and bending moment for beam with moving loads
29	Mr. S. Elavarasan	II/III	U21CE402	Applied Hydraulics and Hydraulics Machinery	31.05.23	Classification of pumps	Hands on Training	CO4	Students gained knowledge about the different types of pumps available in industry
30	Dr. R. Saravannakumar	III/VI	U19CE602	Design of Steel Structures	27.05.23	Connection and Steel Roof Truss	On-site Learning	CO3	Students understood about the various connections, sections and structural system of roof truss design in steel structures
31	Mr. P. Kalaivanan	II/IV	U21CE401	Strength of Materials - II	27.03.23	Types of Beams, Columns and Strain Energy Concepts	On-site Learning	CO3	Students understood and can able to apply the concept of strain energy and compute deflection of determinate beams using energy principles
32	Dr. S. Kanmani	III/VI	U19CE601	Water Supply and Waste Water Engineering	14.02.23	Wastewater Treatment Plant	On-site Learning	CO4	Students understood the function of various sewage treatment units operation and processes
33	Mr. D. Vivek	III/VI	U19CEP18	Railways Airport and Harbour Engineering	04.05.23	Points and Crossings	DEMO through Models	CO3	Students were able to understood the concept of railway planning and its management
34	Dr. V. Rajesh Kumar	IV/VIII	U19CEP13	Construction Planning and Scheduling	02.05.23	Construction Method	On-site Learning	CO2	Students learned the sequence of activities in construction site
35	Mr. S. Logeshwaran	II/IV	U21CEX01	Environmental & Social Impact Assessment	27.05.23	EIA Assessment for Infrastructure Projects	Quiz	CO4	Students understood and can evaluate socio-economic reports of environmental and social impacts of developmental projects
36	Mr. S. Logeshwaran & Mr. V. Kavin Kumar	II/IV	U21CE404	Highway Engineering	27.05.23	Pavement Engineering	On-site Training	CO3	Students identified the different materials used for pavement construction
37	Mrs. R. Kavitha	III/VI	U21CE602	Design of Steel Structures	12.04.23	Connection and Steel Roof Truss	On-site Learning	CO5	Students were to understand the connections in Joints
38	Dr. G. Anusha	III/VI	U19CE602	Municipal Solid Waste Management	09.05.23	Vermicomposting	On-site Learning	CO5	Students understood the vermicomposting process
39	Ms. K. Dhivya	III/VI	U19CE601	Water Supply and Waste Water Engineering	07.02.2023	Water Treatment Plant	On-site Learning	CO3	Students were able to understand the functions of water treatment plant and their design
40	Mrs. C. Vinodhini	II/III	U21CE402	Applied Hydraulics and Hydraulics Machinery	27.05.2023	Classification of pumps	Hands on Training	CO3	Students gained knowledge about the various types of pump available in the industry
41	Mr. K. Maruthi Venkatesh	I/II	U21MA201	Engineering Graphics	18.05.23	Model Making	Model making	CO2 and CO3	Students understood the sketch curves and orthographic projections of points as per BIS conventions