

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002.

DEPARTMENT OF CIVIL ENGINEERING

Value added Course Summary (2022-2023)

Course Name : Revit Architecture
Course Duration : 40 Hours
Year offered : II, III & IV year students (2022-2023)
Course Instructor : Mr. S. Antony Jeyendran, Concepteurs, Coimbatore.

Course Outcome: The students would be able to create architectural floor plans, building elevations, sections & construction details.

Course Type : Self-Framed / Collaboration with Industry

Assessment Mode

Attendance : 40 Hours
Number of participants : 48
Scheme of Exam : MCQ offline


Course Coordinator





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DEPARTMENT OF CIVIL ENGINEERING

Value added Course Summary (2022-2023)

Course Name : AutoCAD

Course Duration : 40 Hours

Year offered : II year students (2022-2023)

Course Instructor : Mr. R. Udhayasankar, BTR Construction, Bhavanisagar.

Course Outcome: The students would become familiar with the AutoCAD user interface and understand the fundamental concepts and features of AutoCAD.

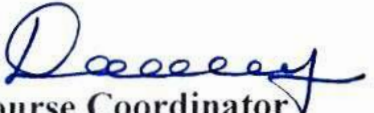
Course Type : Self-Framed / Collaboration with Industry

Assessment Mode

Attendance : 40 Hours

Number of participants : 13

Scheme of Exam : MCQ offline


Course Coordinator





HoD

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DEPARTMENT OF CIVIL ENGINEERING

Value added Course Summary (2022-2023)

Course Name : STAAD Pro

Course Duration : 40 Hours

Year offered : IV year students (2022-2023)

Course Instructor : Mr. R. Udhayasankar, BTR Construction, Bhavanisagar

Course Outcome: The students would be able to train in Structural Modeling, Designing and Analysis and Integrated Design.

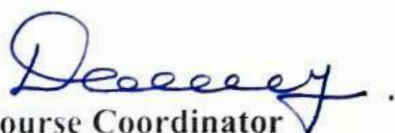
Course Type : Self-Framed / Collaboration with Industry

Assessment Mode

Attendance : 40 Hours

Number of participants : 11

Scheme of Exam : MCQ offline


Course Coordinator




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HOB



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Dindigul – Palani Highway, Dindigul – 624 002

Department of Computer Science and Engineering

Value Added Course Summary 2022-2023

Course Name: "Web Development"

Course Duration: 60 hours

Year Offered: 2022-2023

Course Instructors: Ms.N. Padma Priya, Assistant Professor/CSE

Mr. G. Murugan, Assistant Professor/CSE

Mrs. S. Suganya. Assistant professor/CSE

Course Outcome:

On completion of the course, students will be able to develop web pages using the HTML and CSS features with different layouts as per need of applications, use JavaScript to develop the dynamic web pages and construct simple web pages in PHP and to represent data in XML format.

Course Type: Self Framed

Assessment Mode

Attendance: 60 hours

Number of Participants: 55

Scheme of Exam: Web Designing Project Work

N. P. H
08/06/23
Course Co-ordinator



Dr.D.Senthil Kumar

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G. H. H

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Department of Computer Science and Engineering

Value Added Course Summary 2022-2023

Course Name: "Data Science using Python"

Course Duration: 40 hours

Year Offered: 2022-2023

Course Instructors: Dr. G. Prabu, Associate Professor/CSE

Mrs.K. Sureka, Assistant Professor/CSE

Mrs. N. J. Divya. Assistant professor/CSE

Course Outcome:

On completion of the course, students will be able to know basic data types in Python, operators, how to clean and merge datasets, pandas library, the main methods for DataFrames, how to import data in Python and how to work in Jupyter Notebook.

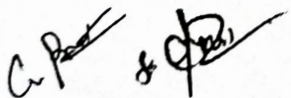
Course Type: Self Framed

Assessment Mode

Attendance: 40 hours

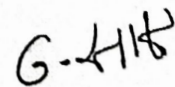
Number of Participants: 58

Scheme of Exam: Project Work


Course Co-ordinator






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Department of Computer Science and Engineering

Value Added Course Summary 2022-2023

Course Name: "Web Technology"

Course Duration: 60 hours

Year Offered: 2022-2023

Course Instructors: Mrs. M. Moohambikai, Assistant Professor/CSE

Ms.N. Anu Lavanya, Assistant Professor/CSE

Mrs. J. Dhanalakshmi. Assistant professor/CSE

Course Outcome:

On completion of the course, students will be able to design and develop web applications, explain client and server-side scripting and their applicability and to create scripts using JavaScript in a web page and Integrate JavaScript in a web page.

Course Type: Self Framed

Assessment Mode

Attendance: 60 hours

Number of Participants: 66

Scheme of Exam: Web Designing Project

Course Co-ordinator



G-HH

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added Course Summary (2022-2023)

Course Name : Industrial Robotics

Course Duration : 40 Hours

Year offered : III & IV year students -2022-2023

Course Instructors : Mr. D. Manoj

Assistant professor /EEE

Course Outcome: The student gained knowledge about industrial robotics key factor and Configuration. Students assembling outer components of robot such as wrist, arm and body

Course Type : Self Framed / Collaboration with Industry

Assessment Mode

Attendance : 40 Hours

Number of participants : 64

Scheme of Exam : MCQ offline



Course Coordinator

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added Course Summary (2022-2023)

Course Name : Product Design and Manufacturing

Course Duration : 48 Hours

Year offered : II & III year students -2022-2023

Course Instructors : Mr. D. Manoj
Assistant professor /EEE

Course Outcome: The student gained practical knowledge about computer aided drafting, PCB designing.

Course Type : Self Framed / Collaboration with Industry

Assessment Mode

Attendance : 48 Hours

Number of participants : 76

Scheme of Exam : MCQ offline



Course Coordinator

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added Course Summary (2022-2023)

Course Name : Industrial Automation using PLC /SCADA

Course Duration : 60 Hours

Year offered : II year students -2022-2023

Course Instructors : Mr. D. Manoj

Assistant professor /EEE

Course Outcome: The students gained knowledge about PLC/SCADA. They did simulation and layout modules. They did project using this software.

Course Type : Self Framed / Collaboration with Industry

Assessment Mode

Attendance : 60 Hours

Number of participants : 51

Scheme of Exam : MCQ offline



Course Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2022-2023

Course Name: Robotics, IoT, Drones

Course Duration: 40 hours

Year Offered: 2022-2023

Course Instructors: Mr. Balaji varadhan, Village Technology school, Chennai.

Course Outcome:

On completion of the course, students will be able to design and develop individual hackathon projects, small group projects and big bang group projects.

Course Type: Self Framed/Collaboration with Industry

Assessment Mode

Attendance: 40 hours

Number of Participants: 114

Scheme of Exam: MCQ and project work



K. cejfy
Course Co-ordinators

Dr. D. Senthil Kumaran

S. Vetha
HoD/ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2022-2023

Course Name: Embedded IoT

Course Duration: 48 hours

Year Offered: 2022-2023

Course Instructors: Mr.Madhavapandian Technical Head
Mr.M.Marimuthu , Technical Consultant
Tessolve Semiconductor Pvt.Ltd,Bangalore.

Course Outcome:

On completion of the course, students will be able to develop the model of an embedded system and design an IoT based system for any application.

Course Type: Self Framed/Collaboration with Industry

Assessment Mode

Attendance: 48 hours

Number of Participants: 86

Scheme of Exam: MCQ and project work



Course Co-ordinators

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HoD/ECE



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2022-2023

Course Name: Cloud computing –AZ900 microsoft Azure Fundamentals

Course Duration: 48 hours

Year Offered: 2022-2023

Course Instructors: Mr.Ajmeer kaja Mohideen,
Advisory of Tarcin Robotics.

Course Outcome:

Aims to empower students with a robust foundation in cloud technology and intended to endow students with an indispensable toolkit, enabling them to harness the potential of cloud computing through Microsoft Azure.

Course Type: Self Framed/Collaboration with Industry

Assessment Mode

Attendance: 48 hours

Number of Participants: 56

Scheme of Exam: MCQ Offline Mode



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12/01/23
Course Co-ordinators

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S. Sathya
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2022-2023

Course Name: Artificial Intelligence

Course Duration: 40 hours

Year Offered: 2022-2023

Course Instructors: Mr.Velmurugan,Team Lead,
Mr.Hariram,Sr.Project Engineer,
Pantech E-Learning

Course Outcome:

On completion of the course, students will be able to learn techniques for reasoning under uncertainty and use appropriate search algorithms for problem solving.

Course Type: Self Framed/Collaboration with Industry

Assessment Mode

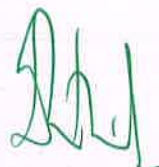
Attendance: 48 hours

Number of Participants: 28

Scheme of Exam: MCQ Offline Mode




Course Co-ordinators



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HoD/ECE



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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2022-2023


Course Name	CATIA
Course Duration	60 hours
Year offered	IV year Mechanical Students
Course Instructors	CADD Technologies School of Design Private Limited, Coimbatore
Course Outcome	1. The Students should gain proficiency in creating 3D models using CATIA. This includes understanding how to sketch, extrude, revolve, and manipulate various features to create complex geometries. 2. Students should be able to create and manage assemblies in CATIA, understanding how to assemble individual parts, apply constraints, and simulate motion if necessary. 3. Students should be capable of creating detailed drawings and documentation for their designs. This includes creating 2D views, dimensioning, and adding annotations.
Course Type	Self Framed
Assessment Mode	
Attendance	60 hours
Number of Participants	54
Scheme of Exam	Evaluation test in Modeling


Course Coordinator




HoD/Mech.Engg




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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2022-2023

Course Name	3D Printing
Course Duration	45 hours
Year offered	II year Mechanical Students
Course Instructors	Mr.P.Dheenathayalan & Mr.M.Selwin, AP/Mech. Engg, SSMIET Dindigul
Course Outcome	1. The Students should be able to think innovatively and consider entrepreneurial opportunities related to 3D printing technology. 2. The Students should have ability to effectively communicate design ideas, project outcomes, and technical information related to 3D printing. 3. The Students should be able to assess the quality of 3D-printed objects, including dimensional accuracy, layer adhesion, and surface finish.
Course Type	
Assessment Mode	
Attendance	45 hours
Number of Participants	35
Scheme of Exam	Evaluation test in Modeling

Course Coordinator



HoD/Mech.Engg

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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2022-2023

Course Name	CREO
Course Duration	45 hours
Year offered	IV year Mechanical Students
Course Instructors	Mr. K. Vigneshwar Spotlight Technology, Dindigul-624001
Course Outcome	1. The Student would be able to create parametric 3D models using features like extrusions, revolves, sweeps, and blends. 2. The Student would be able to work with complex surface modeling for creating aesthetically pleasing and aerodynamic designs. 3. The Student would be able to complete a project that demonstrates the application of CREO skills in a real-world design scenario.
Course Type	Self Framed
Assessment Mode	
Attendance	45 hours
Number of Participants	35
Scheme of Exam	Evaluation test in Modeling

Course Coordinator

Dr. V. KANDAVEL



HoD/Mech.Engg

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Dindigul – Palani Highway, Dindigul – 624 002.

DEPARTMENT OF SCIENCE AND HUMANITIES

VALUE ADDED COURSE SUMMARY 2022-2023

COURSE CODE AND NAME : ADVANCE EXCEL

COURSE DURATION : 35 HRS

YEAR OFFERED : 2022-2023

COURSE INSTRUCTORS : P.CELESTINE – CADD TECHNOLOGIES, COIMBATORE.

COURSE OUTCOME : Upon completion of the course students will be able to:

- Use critical thinking skills to design and create spreadsheets.
- Communicate in a business setting using spreadsheet vocabulary.

COURSE TYPE : SELF FRAMED

ASSESSMENT MODE

ATTENDANCE : 35 HOURS

NUMBER OF PARTICIPANTS : 274

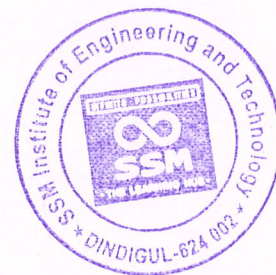
SCHEME OF EXAM : MCQ OFFLINE MODE

1. S. Nithya
2. S. Soundara Lakshmi
VAC COORDINATOR

(S. NITHYA & S.SOUNDARA LAKSHMI)

S. Shanmugam
S&H DEAN

DR. G. SHANMUGAM



Dr. D. Senthil Kumaran
PRINCIPAL

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