

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002.

DEPARTMENT OF CIVIL ENGINEERING

Value added Course Summary (2018-2019)

Course Name : AutoCAD
Course Duration : 40 Hours
Year offered : III year students (2018-2019)

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 : 48
Scheme of Exam : MCQ offline


Course Coordinator



 
HoD

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
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DEPARTMENT OF CIVIL ENGINEERING

Value added Course Summary (2018-2019)

Course Name : STAAD Pro

Course Duration : 40 Hours

Year offered : IV year students (2018-2019)

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 : 65

Scheme of Exam : MCQ offline


Course Coordinator




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Department of Computer Science and Engineering

Value Added Course Summary 2018-2019

Course Name: Solving Problems using Python Programming

Course Duration: 32 hours

Year Offered: 2018-2019

Course Instructors: Ms. V. Nivethitha, Assistant Professor/CSE

Ms. S. Bharathi, Assistant Professor/CSE

Ms. N. Padma Priya, Assistant Professor/CSE

Course Outcome:

On completion of the course, students will be able to Develop algorithmic solutions to simple computational problems and to develop and execute simple Python programs.

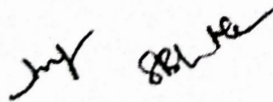
Course Type: Self Framed

Assessment Mode

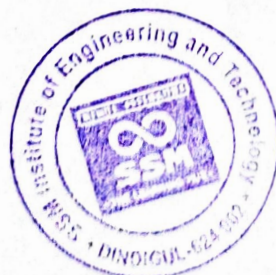
Attendance: 32 hours

Number of Participants: 35

Scheme of Exam: Python programs as Assignment



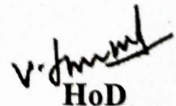
Course Co-ordinator





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added Course Summary (2018-2019)

Course Name : PCB Design and Fabrication

Course Duration : 48 Hours

Year offered : IV year students -2018-2019

Course Instructors : Mr. B.Marisekar
Assistant professor /EEE

Course Outcome: The student able to apply the tools and technique of PCB design and Fabrication and able to program and control.

Course Type : Self Framed / Collaboration with Industry

Assessment Mode

Attendance : 48 Hours

Number of participants : 60

Scheme of Exam : MCQ offline



Course Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2018-2019

Course Name: Programming in C and C++

Course Duration: 30 hours

Year Offered: 2018-2019

Course Instructors: Mrs.A.Geetha,AP/ECE
Mr.J.Vetrimanikumar
SSMIET,Dindigul

Course Outcome:

On completion of the course, students will be able to understand the fundamental programming concepts, including variables, data types, control structures and functions and principles of object-oriented programming, including classes, objects, inheritance, polymorphism, and encapsulation

Course Type: Self Framed

Assessment Mode


Attendance: 30 hours

Number of Participants: 115

Scheme of Exam: MCQ




Course Co-ordinators


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HoD/ECE



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2018-2019

Course Name: Embedded system

Course Duration: 35 hours

Year Offered: 2018-2020

Course Instructors: Mr.Madhavapandian
Tessolve Semiconductor Pvt. Ltd
Coimbatore

Course Outcome:

On completion of the course, students will be able to understand the basics of real-time operating systems used in embedded systems and their role in managing tasks and resources.

Course Type: Self Framed/Collaboration with industry.

Assessment Mode

Attendance: 35 hours

Number of Participants: 92

Scheme of Exam: MCQ




Course Co-ordinators


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HoD/ECE



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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2018-2019


Course Name	Cad Modeling in Industrial Applications
Course Duration	45 hours
Year offered	IV year Mechanical Students
Course Instructors	Dr.M.Sabareeswaran , Professor/Mech. Engg, SSMIET Dindigul
Course Outcome	1. Students should be able to communicate design intent and specifications through technical documentation. 2. Students should be able to navigate the software's user interface efficiently. 3. Students should be capable of understanding and application of feature-based modeling techniques. 4. Students should be able to adhere the skills necessary to excel in industrial settings where CAD modeling plays a crucial role in design, manufacturing, and collaboration.
Course Type	Self Framed
Assessment Mode	
Attendance	45 hours
Number of Participants	40
Scheme of Exam	Evaluation test through offline mode

Course Coordinator



HoD/Mech.Engg




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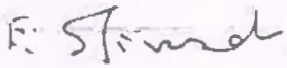
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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2018-2019


Course Name	Machine Drawing
Course Duration	30 hours
Year offered	II year Mechanical Students
Course Instructors	Mr. E. Sivaselvam & Mr. G. Vinothkumar Professor/Mech. Engg, SSMIET Dindigul
Course Outcome	<ol style="list-style-type: none">1. Students should be able to create sectional views to represent internal features of machine components.2. Students should be able to create a clear and accurate Bill of Materials.3. Students should be capable of Understanding and interpreting BOMs for manufacturing and assembly.4. Students should be able to understand and mastery of orthographic projection techniques for representing three-dimensional objects in two dimensions.
Course Type	Self Framed
Assessment Mode	
Attendance	30 hours
Number of Participants	32
Scheme of Exam	Evaluation test through offline mode


Course Coordinator




HoD/Mech.Engg




Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (MUS)
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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2018-2019

Course Name	Refrigeration and Air Conditioning
Course Duration	30 hours
Year offered	II year Mechanical Students
Course Instructors	Mr.S.Srinivasan, Professor/Mech. Engg, SSMIET Dindigul
Course Outcome	1. Students should be able to prepare and communicate technical reports related to RAC system designs. 2. Students should be able to understand the specific requirements and applications of refrigeration in commercial settings. 3. Students should be capable of understanding Engineer's responsibility to ensure safe and effective RAC systems. 4. Students should be able to understand the functions and types of major components in RAC systems..
Course Type	Self Framed
Assessment Mode	
Attendance	30 hours
Number of Participants	20
Scheme of Exam	Evaluation test through offline mode

Course Coordinator



HoD/Mech.Engg



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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2018-2019

Course Name	CNC Programming
Course Duration	30 hours
Year offered	II year Mechanical Students
Course Instructors	Mr.R.Suresh & Mr.V.Ramasamy, Professor/Mech. Engg, SSMIET Dindigul
Course Outcome	1. Students should be able to understand how to properly orient and set up a work piece in the CNC machine.. 2. Students should be able to calculate optimal cutting speeds and feed rates for different materials. 3. Students should be capable of completion of CNC programming projects that simulate real-world machining scenarios.. 4. Students should be able to identify and rectify errors in CNC programs through simulation.
Course Type	Self Framed
Assessment Mode	
Attendance	30 hours
Number of Participants	43
Scheme of Exam	Evaluation test through offline mode

Course Coordinator



HoD/Mech.Engg



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