

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002.

DEPARTMENT OF CIVIL ENGINEERING

Value added Course Summary (2021-2022)

Course Name : AutoCAD

Course Duration : 50 Hours

Year offered : II & III year students (2021-2022)

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 : 50 Hours

Number of participants : 36

Scheme of Exam : MCQ offline


Course Coordinator



 
HOD

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttrathupatti Village, Sindalagundu (Pol),
Palani Road, Dindigul - 624 002.

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002.

DEPARTMENT OF CIVIL ENGINEERING

Value added Course Summary (2021-2022)

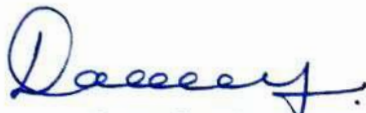
Course Name : STAAD Pro
Course Duration : 40 Hours
Year offered : IV year students (2021-2022)

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 : 28
Scheme of Exam : MCQ offline


Course Coordinator





Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupattu Village, Sindalagundu (Po),
Palani Road, Dindigul - 624 002.



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

Department of Computer Science and Engineering

Value Added Course Summary 2021-2022

Course Name: "Problem Solving and C Programming"

Course Duration: 56 hours

Year Offered: 2021-2022

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

Ms. N.J.Divya, Assistant Professor/CSE

Ms. S. Deepika, Assistant Professor/CSE

Course Outcome:

On completion of the course, students will be able to write efficient algorithms to solve various problems and use various constructs of the programming language such as conditionals, iteration, and recursion. Implement algorithms to build programs in the C programming language and Use data structures like arrays, linked lists, stacks to solve various problems.

Course Type: Self Framed

Assessment Mode


Attendance: 56 hours

Number of Participants: 62

Scheme of Exam: C programming Assessment programs


Course Co-ordinator




Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (P.O.),
Palani, Road, Dindigul 624 002


HoD



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

Department of Computer Science and Engineering

Value Added Course Summary 2021-2022

Course Name: "Mongo DB"

Course Duration: 70 hours

Year Offered: 2021-2022

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

Ms. A. Priyanka, Assistant Professor/CSE

Course Outcome:

On completion of the course, students will be able to develop expertise writing Java and NodeJS applications using MongoDB Master the skills of replication and sharding of data in MongoDB to optimise read/write performance and perform installation, configuration, and maintenance of the MongoDB environment Get hands-on experience creating and managing different types of indexes in MongoDB for query execution .

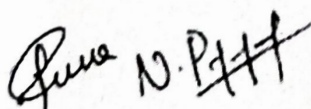
Course Type: Self Framed/Collaboration with Industry

Assessment Mode


Attendance: 70 hours

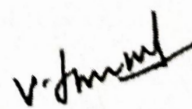
Number of Participants: 56

Scheme of Exam: MCQ Assessments


Course Co-ordinator




Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Punatti Village Sindalagundi - 624 002
Dindigul - 624 002


HoD



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

Department of Computer Science and Engineering

Value Added Course Summary 2021-2022

Course Name: "Advanced Java Programming"

Course Duration: 56 hours

Year Offered: 2021-2022

Course Instructors: Dr. V. Nivethitha, Associate Professor/CSE

Ms. N. Anu Lavanya, Assistant Professor/CSE

Course Outcome:

On completion of the course, students will be able to understand the concepts related to Java Technology, to develop real time applications and learn to access databases through Java programs, using Java Database Connectivity (JDBC) .

Course Type: Self Framed

Assessment Mode



Attendance: 56 hours

Number of Participants: 56

Scheme of Exam: MCQ Assessment


Course Co-ordinator





Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttrathupatti Village, Sindalagundu (P.O.)
Palani Road, Dindigul - 624 002

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

Dindigul – Palani Highway, Dindigul 624 002



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added Course Summary (2021-2022)

Course Name : AutoCAD Electrical
Course Duration : 60 Hours
Year offered : IV year students -2021-2022
Course Instructors : Mr. B. Marisekar
Assistant professor /EEE

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

Course Type : Self Framed / Collaboration with Industry

Assessment Mode

Attendance : 60 Hours
Number of participants : 36
Scheme of Exam : MCQ offline



Course Coordinator

HoD

Dr.D.SENTHIL KUMARAN, M.E., P.E.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Po),
Palani Road, Dindigul - 624 002

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

Dindigul – Palani Highway, Dindigul 624 002

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added Course Summary (2021-2022)

Course Name : Industrial Automation

Course Duration : 40 Hours

Year offered : III year students -2021-2022

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

Course Outcome: The student would be able to apply the tools and techniques of industrial Automation and able to program and control the PLC platform.

Course Type : Self Framed / Collaboration with Industry

Assessment Mode

Attendance : 40 Hours

Number of participants : 44

Scheme of Exam : MCQ offline



Course Coordinator

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (RUS)
Principal

SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Foj),
Palani Road, Dindigul - 624 302.

HoD



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)
Dindigul – Palani Highway, Dindigul 624 002

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value added Course Summary (2021-2022)

Course Name : Embedded systems
Course Duration : 60 Hours
Year offered : II year students -2021-2022
Course Instructors : Mr. D. Manoj
Assistant professor /EEE

Course Outcome: The student would be able to apply the tools and techniques of Embedded and able to program and control the embedded systems platform.

Course Type : Self Framed / Collaboration with Industry

Assessment Mode

Attendance : 60 Hours
Number of participants : 22
Scheme of Exam : MCQ offline



Course Coordinator

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (RUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalaguda - 624 002
Palani Road, Dindigul - 624 002

HoD



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai Accredited by NAAC)

Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2021-2022

Course Name: Embedded System

Course Duration: 54 hours

Year Offered: 2021-2022

Course Instructors: Mr.K.Illanchezhan, Manager, Technical

Mr.S.Raja, CRG Engineer.

Mr.Mohamed Nawfal, CRG Engineer.

Course Outcome:

On completion of the course, students will be able to understand the basic concepts of real time operating system design and to modal real time applications using embedded system concepts.

Course Type: Self Framed/Collaboration with Industry

Assessment Mode

Attendance: 54 hours

Number of Participants: 86

Scheme of Exam: MCQ Offline Mode



Course Co-ordinators

Dr.D. SENTHIL KUMARAN, M.B., Ph.D., (POS)

Principal

SSM Institute of Engineering and Technology

Kuttathupatti Village, Sindalagundu (Po),

Palani Road, Dindigul- 624 002.

HoD/ECE



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai Accredited by NAAC)

Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2021-2022

Course Name: Java programming

Course Duration: 50 hours

Year Offered: 2021-2022

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 develop java programs using OOP principles and also develop java applications using inheritance, interfaces, exceptions and IO streams.

Course Type: Self Framed/Collaboration with Industry

Assessment Mode

Attendance: 50 hours

Number of Participants: 108

Scheme of Exam: MCQ



AGLH
Course Co-ordinators

[Signature]

[Signature]
HoD/ECE

Dr. D. SENTHIL KUMARAN, M.B., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Po),
Palani Road, Dindigul - 624 002.



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai Accredited by NAAC)
Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course Summary 2021-2022

Course Name: LabVIEW and its applications

Course Duration: 40 hours

Year Offered: 2021-2022

Course Instructors: Mr. Esaki Raja,
Senior application Engineer,
VI Solutions, Bangalore.

Course Outcome:

On completion of the course, students will be able to execute algorithms based on iterative process, condition driven applications and also will get hands-on experience configuring and programming NI data acquisition hardware using NI-DAQmx and LabVIEW.

Course Type: Self Framed/Collaboration with Industry

Assessment Mode

Attendance: 40 hours

Number of Participants: 40

Scheme of Exam: MCQ



Course Co-ordinators

Dr. D. SENTHIL KUMARAN, M.B., Ph.D., (MUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundi - 624 002,
Palani Road, Dindigul - 624 002.

HoD/ECE



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2021-2022

Course Name	CATIA
Course Duration	70 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	70 hours
Number of Participants	32
Scheme of Exam	Evaluation test in Modeling

Course Coordinator



HoD/Mech.Engg

D. D. SENTHIL KUMARAN, M.E., M.T.E., PONDY
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Po),
Palani Road, Dindigul 624 002





SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2021-2022

Course Name	Python Programming
Course Duration	30 hours
Year offered	II year Mechanical Students
Course Instructors	CADD Technologies School of Design Private Limited, Coimbatore
Course Outcome	1. The students with a solid foundation in Python programming and prepare them for various applications, including software development, data science, and web development. 2. Students should be able to approach problems algorithmically and implement solutions using Python. 3. Students should be capable of completion of a small project that applies Python skills to solve a real-world problem.
Course Type	Self Framed
Assessment Mode	
Attendance	30 hours
Number of Participants	58
Scheme of Exam	Evaluation test in Modeling

U.K.
Course Coordinator

[U.Karlbick, Ap/mach]



h.s.
HoD/Mech.Engg



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundam,
Palani Road, Dindigul - 624 002



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL 624 0002

(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai Accredited by NAAC)
Dindigul – Palani Highway, Dindigul – 624 002.

DEPARTMENT OF SCIENCE AND HUMANITIES

VALUE ADDED COURSE SUMMARY 2021-2022

COURSE CODE AND NAME : PHYTHON PROGRAMMING

COURSE DURATION : 35 HRS

YEAR OFFERED : 2021-2022

COURSE INSTRUCTORS : PRATHEEP S – CADD TECHNOLOGIES, COIMBATORE.

COURSE OUTCOME : Upon completion of the course students will be able to:
Problem solving and programming capability.

COURSE TYPE : SELF FRAMED

ASSESSMENT MODE

ATTENDANCE : 35 HOURS

NUMBER OF PARTICIPANTS : 251

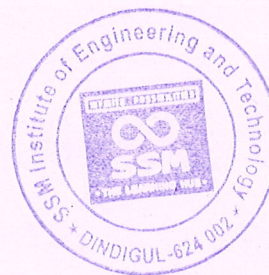
SCHEME OF EXAM : MCQ OFFLINE MODE

VAC COORDINATOR

DR. M. RAMESWARI

S&H ACADEMIC COORDINATOR

DR. G. SHANMUGAM



PRINCIPAL

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupattu Village Sindalagundu (Po),
Palani Road, Dindigul - 624 002.