



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF MECHANICAL ENGINEERING

A.Y.2022-2023

ACTIVE LEARNING

ODD SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	III	20ME3T01	Mechanics of solid	1.Dr.R.LalithaNarayana 2. Dr. D. Bhanu Prakash	Active Learning
		20ME3T02	Fluid Mechanics Hydraulic System	Mr. N. Bulli Raju	Active Learning
2.	V	20ME3T03	Production Technology	Ms. B. Haritha	Active Learning
		20ME5T03	Thermal Engineering	1.Dr.R.LalithaNarayana 2.Mr.G.Veerandra Kumar	Active Learning
3.	VII	19ME7T01	3D printing	1.Dr.Francis Luther King 2.Mr.V.John Bhonayan	Active Learning
		19ME7E14	Refrigeration & Air Conditioning	Mr.B.Srinivas	Active Learning

A.Y.2022-2023

EVEN SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	IV	20ME4T02	Metallurgy & Material Science	Ms. B. Haritha	Active Learning
2.	VI	20ME6T02	Heat Transfer	Mr. B.Srinivas	Active Learning
		20ME6T03	CAD/CAM	1. Mr. N. Bulli Raju 2. Mr.M.Saravanan	Active Learning
		20ME6T01	Artificial Intelligence Machine Learning	Dr.Francis Luther King	Active Learning



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FLIPPED LEARNING

ODD SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	III	20ME3T02	Fluid Mechanics Hydraulic System	Mr. N. Bulli Raju	Flipped Learning
		20ME3T03	Production Technology	Ms. B. Haritha	Flipped Learning
2.	V	20ME5T02	Machine Tools & Metrology	1.Mr.M.Saravanan 2.Mr.G.Veerandra Kumar	Flipped Learning
		20ME5T03	Thermal Engineering	1.Dr.R.LalithaNarayana 2.Mr.G.Veerandra Kumar	Flipped Learning
3.	VII	19ME7T01	3D printing	1.Dr.Francis Luther King 2.Mr.V.John Bhonayan	Flipped Learning
		19ME7E14	Refrigeration & Air Conditioning	Mr.B.Srinivas	Flipped Learning

A.Y.2022-2023

EVEN SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	IV	20ME4T01	Theory of Machines	1.Mr.V.John Bhonayan 2.Mr.V.Ram Babu	Flipped Learning
2.	VI	20ME6T01	Artificial Intelligence Machine Learning	Dr.Francis Luther King	Flipped Learning
3.	VIII	19ME8E18	Power Plant Engineering	1.Mr.G Veerandra Kumar 2.Mr.V.Ram Babu	Flipped Learning
		19ME8E23	Flexible Manufacturing System	Mr. L.Ravi Kishore	Flipped Learning



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MODEL BASED LEARNING

ODD SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	III	20ME3T05	Engineering Thermodynamics	1.Mr.B.Srinivas 2.Mr.G.Veerandra Kumar	Model based Learning
2.	V	20ME5T01	Design of Machine Elements	Mr. CH. Harish Kumar	Model based Learning
		20ME5T02	Machine Tools & Metrology	1.Mr.M.Saravanan 2.Mr.G.Veerandra Kumar	Model based Learning
		20ME5T03	Thermal Engineering	1.Dr.R.LalithaNarayana 2.Mr.G.Veerandra Kumar	Model based Learning
		19ME7E13	Industrial Robotics	Mr. L.Ravi Kishore	Model based Learning

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EVEN SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	VIII	19ME8E23	Flexible Manufacturing System	Mr. L.Ravi Kishore	Model based Learning



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EXPLICIT LEARNING

ODD SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	VII	19ME7T01	3D printing	1.Dr.Francis Luther King 2.Mr.V.John Bhonayan	Explicit Learning



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PROGRAM BASED LEARNING

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	III	20ME3T03	Production Technology	Ms. B. Haritha	Program based learning

A.Y.2022-2023

EVEN SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	IV	20ME4T02	Metallurgy & Material Science	Ms. B. Haritha	Program based learning
		20ME4T01	Theory of Machines	1.Mr.V.John Bhonayan 2.Mr.V.Ram Babu	Program based learning



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A.Y.2023-2024

ACTIVE LEARNING

ODD SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITATIVES
1.	III	20ME3T01	Mechanics of solid	1. Dr.R.LalithaNarayana 2. Dr. D. Bhanu Prakash	Active Learning
2.	V	20ME5T02	Machine Tools & Metrology	1.Mr.M.Saravanan 2. Mr. L.Ravi Kishore	Active Learning .

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EVEN SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITATIVES
1.	IV	20ME4T02	Metallurgy& Material Science	1. Mr. N. Bulli Raju 2. Mr. L.Ravi Kishore	Active Learning
2.	VI	20ME6T02	Heat Transfer	1. Dr.R.LalithaNarayana 2.Mr. B.Srinivas	Active Learning
		20ME6T01	Artificial Intelligence Machine Learning	1.Dr.Francis Luther King 2. Mr. N. Bulli Raju	Active Learning



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FLIPPED LEARNING

ODD SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITATIVES
1.	III	20ME3T02	Mechanics of solid	1. Dr.R.LalithaNarayana 2. Dr. D. Bhanu Prakash	Flipped Learning
		20ME4T01	Engineering Thermodynamics	1.Dr.R.LalithaNarayana 2.Mr.G.Veerandra Kumar	Flipped Learning
2.	V	20ME5T01	Design of Machine Elements	Mr. CH. Harish Kumar	Flipped Learning
		20ME5T03	Thermal Engineering	1.Mr. B.Srinivas 2.Mr.G.Veerandra Kumar	Flipped Learning
3.	VII	20ME7E09	Industry 4.0	1.Dr.Francis LutheKing 2.Dr.Robert singh	Flipped Learning
		20ME7E02	Total Quality Management	1.Dr.Francis Luther King 2.Mr.S.Surendar	Flipped Learning

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EVEN SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITATIVES
1.	IV	20ME4T01	Theory of Machines	1.Mr.B.Mahesh Krishna 2.Mr.V.Ram Babu	Flipped Learning
2.	VI	20ME6T03	CAD/CAM	1. Dr.R.Sanjeev Kumar 2. Mr.A.Azeez	Quiz, Seminars ,Flipped Learning,
		20ME6T01	Artificial Intelligence Machine Learning	1.Dr.Francis Luther King 2. Mr. N. Bulli Raju	Quiz, Group Discussion, Flipped Learning, Seminars, Active Learning



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PROGRAM BASED LEARNING

ODD SEMESTER

S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITATIVES
1.	III	20ME3T03	Production Technology	Mr. Abdul Azeez	Program based Learning.
		20ME4T01	Engineering Thermodynamics	1.Dr.R.LalithaNarayana 2.Mr.G.Veerandra Kumar	Program based Learning.



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S.NO	SEMESTER	COURSE CODE	COURSE NAME	FACULTY HANDLED	PEDAGOGY INITIATIVES
1.	VI	20ME6E02	Automobile Engineering	Mr. B.Srinivas	Model Based Learning