

Recognized Under 2(f) of UGC Act 1956 Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

COURSE FILE

ON
INDUSTRIAL MANAGEMENT
Course Code - MT600OE

III B.Tech II-SEMESTER
A.Y.: 2022-2023

Prepared by

Mrs. T.K.VENKATA NAGAMANI
Assistant Professor

Head of the Department Electronics and Communication Engg. Dept SRI INDU INSTITUTE OF ENGG & TECH Sheriguda(V), ibrahimpatnam(M), R.R.Dist-501 510 Sri Indu Institute of Engineering & Tech Sheriguda(Vill), Ibrahimpatnam R.R. Dist. Telangana-501 510.



Recognized Under 2(f) of UGC Act 1956 Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year	2022-2023
Course Title	INDUSTRIAL MANAGEMENT
Course Code	MT600OE
Programme	B.Tech
Year & Semester	III year II-semester
Branch & Section	ECE-A
Regulation	R18
Course Faculty	Mrs. T.K.VENKATA NAGAMANI, Assistant Professor

Index of Course File

S. No.	Name of the content
1	Institute vision and mission
2	Department vision and mission
3	Program Educational Objectives/ Program Specific Outcomes
4	Program Outcomes
5	Course Syllabus with Structure
6	Course Outcomes (CO)
7	Mapping CO with PO/PSO and Justification
8	Academic Calendar
9	Time table - highlighting your course periods including tutorial
10	Lesson plan with number of hours/periods, TA/TM, Text/Reference book
11	Web references
12	Lecture notes
13	List of Power point presentations
14	University Question papers
15	Internal Question papers, Key with CO and BT
16	Assignment Question papers mapped with CO and BT
17	Tutorial topics
18	Result Analysis to identify weak and advanced learners - 3 times in a semester
19	Result Analysis at the end of the course
20	Remedial class for weak students - schedule and evidences
21	CO, PO/PSO attainment sheets
22	Attendance register
23	Course file (Digital form)

https://siiet.ac.in



Recognized Under 2(f) of UGC Act 1956 Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

INSTITUTE VISION AND MISSION

Vision:

To become a premier institute of academic excellence by providing the world class education that transforms individuals into high intellectuals, by evolving them as empathetic and responsible citizens through continuous improvement.

Mission:

IM1: To offer outcome-based education and enhancement of technical and practical skills.

IM2: To Continuous assess of teaching-learning process through institute-industry collaboration.

IM3: To be a centre of excellence for innovative and emerging fields in technology development with state-of-art facilities to faculty and students' fraternity.

IM4: To Create an enterprising environment to ensure culture, ethics and social responsibility among the stakeholders.

Head of the Department Electronics and Communication Engg. Dept SRI INDU INSTITUTE OF ENGG & TECH Sheriguda(V), ibrahimpatnam(M), R.R.Dist-501 510 Sri Indu Institute of Engineering & Tech Sheriguda(Vill), Ibrahimpatnam R.R. Dist. Telangana-501 510.



Recognized Under 2(f) of UGC Act 1956 Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENT VISION AND MISSION

Vision:

To become a recognized center in the field of Electronics and Communication Engineering by producing creative engineers with social responsibility and address ever-changing global challenges.

Mission:

DM1: To facilitate an academic environment that enables student's centric learning.

DM2: To provide state-of-the-art hardware and software technologies to meet industry requirements.

DM3: To continuously update the Academic and Research infrastructure.

DM4: To Conduct Technical Development Programs for overall professional caliber of Stake Holders.

Head of the Department Electronics and Communication Engg. Dept SRI INDU INSTITUTE OF ENGG & TECH Sheriguda(V), ibrahimpatnam(M), R.R.Dist-501 510 Sri Indu Institute of Engineering & Tech Sheriguda(Vill), Ibrahimpatnam R.R. Dist. Telangana-501 510.



Recognized Under 2(f) of UGC Act 1956 Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

PROGRAM EDUCATIONAL OBJECTIVES

Program Educational objectives are to Promote:

PEO1: Graduates with a strong foundation in Electronics and Communication Engineering, Science and Technology to become successful in the chosen professional career.

PEO2: Graduates with ability to execute innovative ideas for Research and Development with continuous learning.

PEO3: Graduates inculcated with industry based soft-skills to enable employability.

PEO4: Graduates demonstrate with ability to work in interdisciplinary teams and ethical professional behavior.

PROGRAM SPECIFIC OUTCOMES

PSO 1: Design Skills: Design, analysis and development a economical system in the area of Embedded system & VLSI design.

PSO 2: Software Usage: Ability to investigate and solve the engineering problems using MATLAB, Keil and Xilinx.

Head of the Department Electronics and Communication Engg. Dept SRI INDU INSTITUTE OF ENGG & TECH Shenguda(V), lbrahimpatnam(M), R.R.Disi-501 510 Sri Indu Institute of Engineering & Tech Sheriguda(Vill), Ibrahimpatnam R.R. Dist. Telangana-501 510.

https://siiet.ac.in



Recognized Under 2(f) of UGC Act 1956 Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

PROGRAM OUTCOMES

- 1. **ENGINEERING KNOWLEDGE**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. **PROBLEM ANALYSIS**: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. **DESIGN/DEVELOPMENT OF SOLUTIONS**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. **CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. **MODERN TOOL USAGE**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- 6. **THE ENGINEER AND SOCIETY**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. **ENVIRONMENT AND SUSTAINABILITY**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. **ETHICS**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. **INDIVIDUAL AND TEAM WORK**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. **COMMUNICATION**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.
- 11. **PROJECT MANAGEMENT AND FINANCE**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. **LIFE-LONG LEARNING**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

https://siiet.ac.in

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABADB.Tech. in ELECTRONICS AND COMMUNICATION ENGINEERING COURSE STRUCTURE & SYLLABUS (R18)

Applicable From 2018-19 Admitted Batch

III YEARI SEMESTER

S.No.	Course Code	Course Title	L	Т	Р	Credits
1	EC501PC	Micro processors & Microcontrollers	3	1	0	4
2	EC502PC	Data Communications and Networks	3	1	0	4
3	EC503PC	Control Systems	3	1	0	4
4	SM504MS	Business Economics & Financial Analysis	3	0	0	3
5		Professional Elective-I	3	0	0	3
6	EC505PC	Microprocessors & Micro controllers Lab	0	0	3	1.5
7	EC506PC	Data Communications and Networks Lab	0	0	3	1.5
8	EN508HS	Advanced Communication Skills Lab	0	0	2	1
9	*MC510	Intellectual Property Rights	3	0	0	0
		Total Credits	18	3	8	22

III YEAR II SEMESTER

S. No.	Cours e Code	Course Title	L	Т	P	Credit s
1	EC601PC	Antennas and Propagation	3	1	0	4
2	EC602PC	Digital Signal Processing	3	1	0	4
3	EC603PC	VLSI Design	3	1	0	4
4		Professional Elective - II	3	0	0	3
5	MT600OE	Open Elective – I(INDUSTRIAL MANAGEMENT)	3	0	0	3
6	EC604PC	Digital Signal Processing Lab	0	0	3	1.5
7	EC605PC	e – CAD Lab	0	0	3	1.5
8	EC606PC	Scripting Languages Lab	0	0	2	1
9	*MC609	Environmental Science	3	0	0	0
		Total Credits	18	3	8	22

MT600OE: INDUSTRIAL MANAGEMENT (Open Elective – I)

B.Tech. Mechatronics III Year II Sem.

L T P

C3 0 0 3

UNIT- I

Introduction to Management: Entrepreneurship and organization — Nature and Importance of Management, Functions of Management, Taylor's Scientific Management Theory, Fayol's Principles of Management, Maslow's Theory of Human Needs, Douglas McGregor's Theory X and Theory Y, Herzberg's Two-Factor Theory of Motivation, Systems Approach to Management, Leadership Styles, Social responsibilities of Management

UNIT-II

Designing Organizational Structures: Departmentalization and Decentralization, Types of Organization structures – Line organization, Line and staff organization, functional organization, Committee organization, matrix organization, Virtual Organization, Cellular Organization, team structure, boundary less organization, inverted pyramid structure, lean and flat organization structureand their merits, demerits and suitability.

UNIT - III

Operations Management: Objectives- product design process- Process selection-Types of production system(Job, batch and Mass Production), Plant location-factors- Urban-Rural sites comparison- Types of Plant Layouts- Design of product layout- Line balancing(RPW method) Value analysis-Definition-types of values- Objectives- Phases of value analysis- Fast diagram

UNIT - IV:

Work Study: Introduction — definition — objectives — steps in work study — Method study — definition, objectives — steps of method study. Work Measurement — purpose — types of study — stop watch methods — steps — key rating — allowances — standard time calculations — work sampling.

Statistical Quality Control: variables-attributes, Shewart control charts for variables- chart, R chart, –Attributes- Defective-Defect- Charts for attributes-p-chart -c chart (simple Problems), Acceptance Sampling- Single sampling- Double sampling plans-OC curves.

UNIT - V

Job Evaluation: Methods of job evaluation — simple routing objective systems — classification method factor comparison method, point method, benefits of job evaluation and limitations. **Project Management (PERT/CPM):** Network Analysis, Programme Evaluation and Review Technique (PERT), Critical Path Method (CPM), Identifying critical path, Probability of Completing the project within given time, Project Cost Analysis, Project Crashing. (simple problems)

TEXT BOOKS

- 1. Industrial Engineering and Management/O.P. Khanna/Khanna Publishers.
- 2. Industrial Engineering and Management Science/T.R. Banga and S.C. Sarma /Khanna Publishers.

REFERENCE BOOKS

- 1. Industrial Engineering Management/NVS Raju/Cengage Learning.
- 2. Industrial Engineering Hand Book/Maynard.
- 3. Industrial Engineering Management I Ravi Shankar/ Galgotia



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

COs and Mapping with PO/PSO

Course: INDUSRIAL MANAGEMENT (C325) Class: III ECE-A

Course Outcomes

CO Number	Course Outcomes (CO)
C325.1	Explain the concepts of management and Explore the Management practices in their domain area within society.
C325.2	Evaluate different types of organizational structures and Design them.
C325.3	Explain about product design process and Design product layout.
C325.4	Explain about method study and Use various work measurement Methods.
C325.5	Draw various statistical quality control charts and Interpret them.
C325.6	Apply the techniques of PERT/CPM in project.

Mapping of course outcomes with program outcomes:

	Program Outcomes (PO's)													
	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO I	PSOI I
C325.1	1	2	2	-	-	1	1	1	3	3	1	1	-	-
C325.2	-	1	2	-	-	-	-	-	1	2	-	1	-	-
C325.3	3	3	3	1	1	-	-	-	-	1	-	2	-	-
C325.4	3	3	2	1	1	-	-	-	1	2	-	1	-	-
C325.5	3	3	1	3	1	-	-	-	1	1	-	1	-	-
C325.5	2	3	2	-	2	-	-	-	1	1	3	1	-	-
C325	2.4	2.5	2	1.6	1.2	1	1	1	1.4	1.6	2	1.1	-	-



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

CO- PO/PSO Mapping - Justification

Course: INDUSRIAL MANAGEMENT (C325) Class: III ECE-A

P01.ENGINEERING KNOWLEDGE: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

P02.PROBLEM ANALYSIS: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

- **P03**. **DESIGN/DEVELOPMENT OF SOLUTIONS**: Design solutions for complex engineering problems and design system components or processes that meet the especified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **PO4.** Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO5**. **MODERN TOOL USAGE**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **PO6. THE ENGINEER AND SOCIETY:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **PO7. ENVIRONMENT AND SUSTAINABILITY**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8. ETHICS**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **PO9. INDIVIDUAL AND TEAM WORK**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO10. COMMUNICATION**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.
- **PO11. PROJECT MANAGEMENT AND FINANCE**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12. Life-long learning: Recognize the need for, and have the preparation and ability to

engage in independent and life-long learning in the broadest context of technological change

CO-PO mapping Justification

$\it C325.1$ Explain the concept of management and explore the Management practices in their domain area within society.

	Justification
PO1	In engineering management, planning involves setting project goals, defining scope, estimating resources, and creating schedules
PO2	Researching literature is a critical aspect of understanding existing solutions, best practices, and industry standards.
PO3	Engineering projects often operate within diverse cultural and societal contexts. Management practices involve understanding and incorporating cultural and societal considerations into the design process
PO6	Managers prioritize health and safety in engineering practices, ensuring that projects adhere to safety standards, minimize risks, and prioritize the well-being of individuals and communities.
PO7	Engineering managers promote the knowledge of and need for sustainable development within their teams.
PO8	Managers guide engineering teams in making ethical decisions throughout the project lifecycle
PO9	Management practices foster collaboration by promoting effective communication, acknowledging diverse perspectives, and creating an inclusive environment.
PO10	Managers guide teams in creating and delivering effective presentations. This involves structuring information, using appropriate
PO11	Management practices promote adaptability in multidisciplinary settings.
PO12	Management practices encourage teams to recognize the importance of continuous learning
	in the face of technological change.

C325.2. Evaluate different types of organizational structures and Design them.

	Justification
PO2	The functional structure facilitates in-depth analysis of engineering problems by providing
	specialists with the resources and support they need within their respective disciplines
PO3	The network structure facilitates the design of engineering solutions that meet specified
	needs by enabling access to specialized expertise and resources
PO9	The matrix structure provides individuals with opportunities to work in diverse teams and
	multidisciplinary settings, facilitating the integration of different perspectives and expertise.
	As team members or leaders, individuals learn to navigate complex relationships and
	coordinate efforts across functional boundaries.
PO10	The matrix structure encourages individuals to communicate effectively across functional
	boundaries and collaborate with diverse teams, enhancing their ability to convey complex
	engineering activities to a broader audience.
PO12	The network structure facilitates independent and lifelong learning by connecting
	individuals with a wide range of external resources, including industry experts, research
	institutions, educational providers, and professional associations

C325.3. Explain about product design process and Design product layout.

PO1	The charging station layout is designed to accommodate multiple vehicles simultaneously,
	with various charging options (e.g., fast charging, standard charging) to cater to different
	needs
PO2	The objective is to design an efficient layout that optimizes workflow, minimizes
	production time, and ensures safety and quality in EV manufacturing.
PO3	In this stage, designers brainstorm and generate ideas for the product. Sketches, prototypes,
	and design thinking methodologies are employed to explore different concepts and
	possibilities.
PO4	Both the product design process and the design of the product layout are justified by the
	application of research-based knowledge and research methods, including design of
	experiments, analysis, and interpretation of data, and synthesis of information to provide
	valid conclusions.
PO5	Both the product design process and the design of product layouts are justified by the
	application of appropriate techniques, resources, and modern engineering and IT tools,
	including prediction and modeling, with an understanding of their limitations.
PO10	Effective communication is essential in both the product design process and the design of
	product layouts to ensure that complex engineering activities are understood, aligned with
	stakeholder needs, and executed successfully.
PO12	In both the product design process and the design of product layouts, the recognition of the
	need for and the preparation and ability to engage in independent and lifelong learning are
	essential for engineers to stay relevant and effective in the face of technological change.

C325.4. Explain about method study and Use various work measurement Methods.

PO1	Engineers apply their knowledge of fundamental concepts such as time-motion studies, process flow analysis, and resource allocation to devise efficient work methods and accurately measure work performance.
PO2	Engineers identify and formulate complex engineering problems related to inefficient work processes and productivity issues.
PO3	Engineers prioritize public health and safety throughout the method study and work measurement processes by identifying potential hazards, implementing safety measures, and ensuring compliance with regulations and standards.
PO4	Engineers design experiments to systematically test hypotheses and evaluate different methods or techniques for improving work processes and measuring task times.
PO5	Prediction and modeling techniques help engineers forecast the impact of proposed process improvements and estimate task times and resource requirements more accurately.
PO9	Engineers in leadership roles guide and coordinate team efforts in method study and work measurement activities.
PO10	Method study and work measurement findings are often documented in reports and documentation
PO12	Method study and work measurement methods instill a mindset of continuous improvement, prompting engineers to seek out opportunities for learning and development to enhance their skills and knowledge.

C325. Draw various statistical quality control charts and Interpret them

PO1	Different engineering disciplines may use specific types of control charts based on the
	nature of the processes they manage.

PO2	By utilizing statistical quality control charts and applying the principles of mathematics,
	natural sciences, and engineering sciences, engineers can effectively identify, formulate,
	and analyze complex engineering problems related to process control and quality.
PO3	Utilizing statistical quality control charts is integral to designing solutions for complex
	engineering problems. By interpreting these charts, engineers can ensure that system
	components or processes meet specified needs with considerations for public health and
	safety, as well as cultural, societal, and environmental aspects.
PO4	By utilizing statistical quality control charts and applying research-based knowledge and
	methods, engineers can effectively design experiments, analyze data, and draw valid
	conclusions about complex engineering problems.
PO5	Utilizing statistical quality control charts aligns with the program outcome by
	demonstrating the creation, selection, and application of appropriate techniques, resources,
	and modern engineering and IT tools.
PO9	Utilizing statistical quality control charts requires both individual and collaborative efforts.
	Engineers function effectively individually by independently interpreting the charts and
	making decisions.
PO10	Utilizing statistical quality control charts involves effective communication in various
	forms, aligning with the program outcome. Engineers comprehend and write reports and
	design documentation by summarizing complex information from SQC charts.
PO12	Interpreting statistical quality control charts requires continuous learning and adaptation to
	technological changes. Engineers need to recognize shifts and patterns, prompting them to
	engage in independent learning.

C325.6. Apply the techniques of PERT/CPM in project

PO1	The application of PERT/CPM techniques in project management demonstrates the			
	integration of mathematical, scientific, and engineering knowledge to solve complex			
	engineering problems.			
PO2	The application of PERT/CPM techniques in project management reflects the identification, formulation, and analysis of complex engineering problems.			
PO3	Applying PERT/CPM techniques in project management ensures that engineers design			
	solutions for complex engineering problems, design system components efficiently, and			
	meet specified needs while considering public health and safety, as well as cultural,			
	societal, and environmental considerations.			
PO5	The application of PERT/CPM techniques in project management aligns with the specified			
	program outcome by demonstrating the creation, selection, and application of appropriate			
	techniques, resources, and modern engineering and IT tools.			
PO9	The application of PERT/CPM techniques in project management supports the development			
	of engineering professionals who can function effectively at different levels and in various			
	settings.			
PO10	The application of PERT/CPM techniques in project management supports effective			
	communication on complex engineering activities			
PO11	Applying PERT/CPM techniques in project management is a demonstration of knowledge			
	and understanding of engineering and management principles.			
PO12	The use of PERT/CPM techniques in project management reinforces the recognition of the			
	need for, and the preparation and ability to engage in independent and life-long learning.			

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD <u>ACADEMIC CALENDAR 2022-23</u>

B. Tech./B. Pharm. III YEAR I & II SEMESTERS

I SEM

S. No	Description	Duration		
		From	То	
1	Commencement of I Semester classwork	1	09.09.2022	
2	1 st Spell of Instructions (including Dussehra Recess)	09.09.2022 10.11.2022 (9 V		
3	Dussehra Recess	03.10.2022 08.10.2022 (1 We		
4	First Mid Term Examinations	11.11.2022	17.11.2022 (1 Week)	
5	Submission of First Mid Term Exam Marks to the University on or before	24.11.2022		
6	2 nd Spell of Instructions	18.11.2022	12.01.2023 (8 Weeks)	
7	Second Mid Term Examinations	16.01.2023	21.01.2023 (1 Week)	
8	Preparation Holidays and Practical Examinations	23.01.2023 28.01.2023 (1 We		
9	Submission of Second Mid Term Exam Marks to the University on or before	30.01.2023		
10	End Semester Examinations	30.01.2023	11.02.2023 (2 Weeks)	

Note: No. of Working/instructional days: 92

II SEM

S. No		Duration		
	Description	From	To	
1	Commencement of II Semester classwork	13.02.2023		
2	1 st Spell of Instructions	13.02.2023	08.04.2023 (8 Weeks)	
3	First Mid Term Examinations	10.04.2023	15.04.2023 (1 Week)	
4	Submission of First Mid Term Exam Marks to the University on or before	22.04.2023		
5	2 nd Spell of Instructions (including Summer Vacation)	17.04.2023	24.06.2023 (10 Weeks)	
6	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)	
7	Second Mid Term Examinations	26.06.2023	01.07.2023 (1 Week)	
8	Preparation Holidays and Practical Examinations	03.07.2023		
9	Submission of Second Mid Term Exam Marks to the University on or before	08.07.2023		
10	End Semester Examinations	10.07.2023	22.07.2023 (2 Weeks)	

Note: No. of Working/instructional days: 90

REGISTRAR



UGC Autonomous, Accredited by NAAC A+ Grade, Recognized under 2(f) of UGC Act 1956. (Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad) Khalsa Ibrahimpatnam, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist., Telangana - 501 510 https://siiet.ac.in/

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Class Timetable

CLASS: III-B.Tech ECE-A

A.Y:2022-23

SEMESTER: II

LH: C-201

TIME/	1	**				SEMESTER: II	L	H: C-201
DAY	9:40-10:30	10:30 -11:20	III 11:20-12:10	IV 12:10-1:00	1:00-	V 1.70.7.20	VI	VII
MON	A&P		OSP LAB / e-C/		1:30	1:30-2:20	2:20-3:10	3:10-4:00
TUE	IM	DSP		100000		VLSID	ESD	LIB
			FAI	ESD	L	DSP(T)/VLSID(T)	A&P	SPORTS
WED	ESD	- IM	A&P	A&P(T)/DSP(T)	ũ			SPOR15
THU	- IM	DSP	VLSID	The state of the s	200	FAI	DSP	COUN
FRI	FAI	DSP		VLSID(T)/A&P(T)	C	e-CAI	LAB / DSP LA	AB
SAT	VLSID	-	A&P	VLSID	H	ESD	CO-C	U/DAA
		ESD oncern Faculty	VLSII	O(ADJUNCT)		SL LAB		0.000
10	, another C	oncern Faculty			-	OD DITE	22/25/25	A&P

Course Code	Course	Name of the	Course	Course		
	Name	Faculty	Code	Name	Name of the	
EC601PC	A&P-Antennas and Propagation	P.Krishna Rao	EC604PC	DSP LAB-Digital Signal Processing Lab	Y.Raju/Dr.T.Ramakrishna/	
FOGANDO		-	EC605PC	e-CAD LAB-e - CAD Lab	Dr.S.Anjaneyulu	
EC602PC	DSP-Digital Signal Processing	Y.Raju	EC606PC		- And Charles of the Control of the	
EC603PC		anny.	DC000PC	Languages Lab	D.Nagaraju/P.Krishna Rao/	
EC603PC	C603PC VLSID-VLSI Design S.Alekhya FAI-Fundamentals of		FAI-Fundamentals of	K.Bhaskar Reddy		
EC613PE	ESD-Embedded System	02/69/\$/0		Artificaial Intelligence	P.Meena	
	Design(Professional Elective-II)	A.Vaani	COUN	Counseling		
VLSID		PARKET IN		Counseling	Y.Raju/K.Padma/G.Swathi	
ADJUNCT)	VLSID(ADJUNCT)	G.Chandrasekhar	SPORTS	Sports	12-27	
	IM Industrial V	-			P.Srilatha/B.Ashwini	
TT600OE	IM-Industrial Management (Open Etestive-I)	K.V.Nagamani	CO- CU/DAA	Co-Curricular/Dept.	S.Alekhya/S.Naresh/K.Bhaskar	
	N A	Charles Anna Barring	LIB	Assoc.Activities	Reddy	
	Class Inoharge	Ues	of The Deb	Library	G.Nirmala/A Swetpa	

Head of the Department

Electronics and Communication Engg. Dept MOTITUTE OF ENGG & TECH

Principal Actions
In Indu Institute of Engineering & Tech Sheriguda(Vill), Ibrahimpatnam



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

LESSON PLAN

Programme: B.Tech	Academic Year: 2022-23
Year: III	Semester: II
Course title: INDUSTRIAL MANAGEMENT	Course code: MT600OE
Name of Faculty: T.K.VENKATA NAGAMANI	

UNIT-I

Introduction to Management: Entrepreneurship and organization — Nature and Importance of Management, Functions of Management, Taylor's Scientific Management Theory, FayOl's Principles of Management, Maslow's Theory of Human Needs, Douglas McGregor's Theory X and Theory Y, Herzberg's Two-Factor Theory of Motivation, Systems Approach to Management, Leadership Styles, Social responsibilities of Management

No. of	Topics	Reference	Teaching
Sessions			Method/
Planned			Aids
1	Entrepreneurship and organization	T2	BB
1	Nature and Importance of Management, Functions of	T2	BB
1	Management,	12	
1	Taylor's Scientific Management Theory,	T2	BB
1	FayOl's Principles of Management,	T2	BB
1	Maslow's Theory of Human Needs,	T2	BB,PPT
1	Douglas McGregor's Theory X and Theory Y,	T1	BB
1	Herzberg's Two-Factor Theory of Motivation	T1	BB
1	Systems Approach to Management,	T1	BB
1	Leadership Styles,	T1	BB
1	Social responsibilities of Management	T1	BB
1		11	

Gap beyond syllabus(if any):

Gap within the syllabus(if any)

Course Outcome 1: Explain the concepts of management and Explore the Management practices in their domain area within society.

^{*}Session Duration: 50 minutes

^{*}Total Number of Hours/Unit: 10



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

UNIT - II

Designing Organizational Structures: Departmentalization and Decentralization, Types of Organization structures – Line organization, Line and staff organization, functional organization, Committee organization, matrix organization, Virtual Organization, Cellular Organization, team structure, boundary less organization, inverted pyramid structure, lean and flat organization structure and their merits, demerits and suitability.

No. of	Topics	Reference	Teaching			
Sessions			Method/			
Planned			Aids			
1	Departmentalization and Decentralization	T1	BB			
1	Types of Organization structures – Line organization,	T2	BB,PPT			
1	Line and staff organization	T2	BB			
1	functional organization, Committee organization	T2	BB			
1	matrix organization, Virtual Organization	T2	BB			
1	Cellular Organization	T2	BB			
1	team structure	T2	BB			
1	boundary less organization	T1	BB			
1	inverted pyramid structure	T2	BB			
1	lean and flat organization structure	T1	BB			
1	their merits, demerits and suitability	T2	BB			
Gap beyond syllabus (if any):						
Gap within the syllabus (if any)						
Course O	Course Outcome 2: Explain about product design process and Design product layout					

^{*}Session Duration: 50 minutes

^{*}Total Number of Hours/Unit: 11



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

UNIT - III

Operations Management: Objectives- product design process- Process selection-Types of production system(Job, batch and Mass Production), Plant location-factors- Urban-Rural sites comparison- Types of Plant Layouts- Design of product layout- Line balancing(RPW method) Value analysis-Definition-types of values- Objectives- Phases of value analysis-Fast diagram

No. of Sessions	Topics	Reference	Teaching Method/
Planned			Aids
1	Objectives- product design process	T1	BB
2	Process selection-Types of production system(Job, batch and Mass Production),	T1	BB
1	Plant location-factors	T1	BB
1	Urban-Rural sites comparison	T1	BB
1	Types of Plant Layouts	T1	BB,PPT
2	Design of product layout- Line balancing(RPW method)	T1	BB
2	Value analysis-Definition-types of values- Objectives-	T1	BB
1	Phases of value analysis- Fast diagram	T1	BB

Gap beyond syllabus(if any):

Gap within the syllabus(if any)

Course Outcome 3 : Explain about method study and Use various work measurement Methods.

^{*}Session Duration: 50minutes

^{*}Total Number of Hours/Unit: 11

OF STREET STREET

SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

UNIT - IV:

Work Study: Introduction — definition — objectives — steps in work study — Method study — definition, objectives — steps of method study. Work Measurement — purpose — types of study — stop watch methods — steps — key rating — allowances — standard time calculations — work sampling.

Statistical Quality Control: variables-attributes, Shewart control charts for variables- chart, R chart, —Attributes- Defective-Defect- Charts for attributes-p-chart -c chart (simple Problems), Acceptance Sampling- Single sampling- Double sampling plans-OC curves.

No. of	Topics	Reference	Teaching
Sessions			Method/
Planned			Aids
2	Introduction — definition — objectives — steps in	T2	BB
	work study		
2	Method study — definition, objectives —	T1	BB
2	steps of method study.	11	
2	Work Measurement — purpose — types of study — stop	T2	BB,PPT
2	watch methods	12	
2	steps — key rating — allowances — standard time	T2	BB
	calculations		
2	Work sampling.	T2	BB
2	variables-attributes, Shewart control charts for variables-	T2	BB
2	chart, R chart, -Attributes- Defective-Defect- Charts for	T2	BB
2	attributes-p-chart -c chart (simple Problems),	12	
	Acceptance Sampling- Single sampling- Double		
2	sampling plans-OC curves.		
Can bayon	d cyllobuc(if any).	1	

Gap beyond syllabus(if any):

Gap within the syllabus(if any)

Course Outcome 4: Draw various statistical quality control charts and Interpret them.

^{*}Session Duration: 50minutes

^{*}Total Number of Hours/Unit: 16



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

UNIT - V

Job Evaluation: Methods of job evaluation — simple routing objective systems — classification method factor comparison method, point method, benefits of job evaluation and limitations. **Project Management (PERT/CPM):** Network Analysis, Programme Evaluation and Review Technique (PERT), Critical Path Method (CPM), Identifying critical path, Probability of Completing the project within given time, Project Cost Analysis, Project Crashing. (simple problems)

No. of	Topics	Reference	Teaching		
Sessions			Method/ Aids		
Planned					
1	Methods of job evaluation	T2	BB,PPT		
2	simple routing objective systems — classification method factor comparison method,	Т2	BB		
2	point method, benefits of job evaluation and limitations.	T2	BB		
2	Network Analysis, Programme Evaluation and Review Technique (PERT),	T1	BB		
2	Critical Path Method (CPM), Identifying critical path, Probability of Completing the project within given time,	T1	BB		
2	Project Cost Analysis,	T1	BB		
3	Project Crashing. (simple problems)	T2	BB		
Gap beyond syllabus(if any):					
Gap within the syllabus(if any)					
Course Outcome 5: Apply the techniques of PERT/CPM in project.					

^{*}Session Duration: 50minutes

TEXT BOOKS:

- D. D. Chaturvedi, S. L. Gupta, Business Economics Theory and Applications, International Book House Pvt. Ltd. 2013.
- 2. Dhanesh K Khatri, Financial Accounting, Tata Mc Graw Hill, 2011.
- 3. Geethika Ghosh, Piyali Gosh, Purba Roy Choudhury, Managerial Economics, 2e, Tata McGraw Hill Education Pvt. Ltd. 2012.

REFERENCE BOOKS:

- 1. Paresh Shah, Financial Accounting for Management 2e, Oxford Press, 2015.
- 2. S. N. Maheshwari, Sunil K Maheshwari, Sharad K Maheshwari, Financial Accounting, 5e, Vikas Publications, 2013.

^{*}Total Number of Hours/Unit: 14



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

WEB REFERENCES:

<u>+</u>	
S.No.	Web Link
1	https://byjus.com/commerce/taylor-principles-of-scientific-management/
2	
	https://fourweekmba.com/virtual-organizational-structure/
3	https://www.uagc.edu/blog/what-operations-management
4	https://www.businessmanagementideas.com/production-management/work-measurement/time-study-definition-procedure-and-methods/7162
5	https://pmstudycircle.com/pert-program-evaluation-and-review-technique/



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(ApprovedbyAICTE,NewDelhiandAffiliatedtoJNTUH,Hyderabad)
KhalsaIbrahimpatnam, Sheriguda (V),Ibrahimpatnam(M),RangaReddy Dist.,Telangana-501510 Website: https://siiet.ac.in/

Lecturenotes

Unit 1 LINK:

https://drive.google.com/file/d/1Hc8uU3FFJQAtJnF2APPlqx_1i6Nv_B FO/view?usp=sharing

UNITS 2-5 LINK:

https://drive.google.com/file/d/1urwiplbhHa4uDI4qW2d4OenaeqhFWJ H1/view?usp=sharing



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

Power point presentation

PPT link:

UNIT 1

https://drive.google.com/file/d/1Z0u3s49qYwbMZAWaHYq0ztc_n_noxdt/view?usp=sharing

UNIT 2

https://drive.google.com/file/d/1NT1NjszpMTrhtscs-IYZGcAalQ2k2xKb/view?usp=sharing

UNIT 3

https://drive.google.com/file/d/1FtqJI-dJObgy4IY9EnVJTf5ukLDPgAOk/view?usp=sharing

UNIT 4

https://drive.google.com/file/d/1s5_tW7mq5Q4Qz5GnBibXpfbVJ4gBCutB/view?usp=sharing

UNIT 5

https://drive.google.com/file/d/1Qh8UJp308_7jTAvSP_aARFM-9QEHENHK/view?usp=sharing

R18

Code No: 156DV

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, August - 2022 INDUSTRIAL MANAGEMENT

(Common to CE, ME, ECE)

Time: 3 Hours Max.Marks:75

Answer any five questions All questions carry equal marks

1.a)	Differentiate between Herzberg's Need Hierarchy and Maslow's Need Hierarchy. Explain.	7 1
b)	What are the various factors which act as barriers to effective planning? [8+	/]
2.a) b)	Explain the Taylor's scientific management theory in brief. Discuss the leadership styles with illustrations. [8+	7]
3.a) b)	Explain span of control and types of spans present in an organization structure. Explain briefly line and organization structure of any manufacturing organization. [7+8]	8]
4.a) b)	Explain briefly cellular organization and virtual organization. Explain briefly lean and flat organization structure and discuss its advantage and disadvantages. [7+]	8]
5.a) b)	Discuss briefly phase value analysis and explain Fast diagram. Explain the urban and rural sties comparison based on plant location. [7+	8]
6.a) b)	What are the different types of values? Explain each of them. What is the difference between batch and mass production? Explain with example [7+	
7.a) b)	Explain briefly the objectives of the method study. Explain the steps involved. What is the importance of work measurement? Explain with example. [8+]	7]
8.a) b)	What is standard costing? How does it help in keeping the cost within control? What do you mean by PERT and CPM? What are their uses in managerial plannin and control? [7+	_

R18

Code No: 156DV

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, August/September - 2021 INDUSTRIAL MANAGEMENT

(Common to CE, ME, ECE, MIE)

Time: 3 Hours Max. Marks: 75

Answer any five questions All questions carry equal marks

- - -

- Discuss the principles of Taylor's Scientific Management and explain the limitations. 1.a) b) Explain the functions of management and discuss the role of a manager. [8+7]Discuss the role of a leader in the 21st century world related to manufacturing industry. 2.a) b) Explain the importance of Hertz Berg's two factor theory. [8+7]3.a) What is departmentation? Explain the bases of departmentation. What are the advantages and disadvantages of lean and flat organization structure? b) Explain. [7+8]4.a) Decentralization is more effective than centralization. Comment on the statement. Explain functional organization, committee organization with their merits and demerits. b) [7+8]
- 5.a) Explain Job and Batch production along with merits and demerits.
 - b) Explain the types of value analysis and discuss their major applications. [7+8]
- 6.a) Discuss the types of plant layout with suitable examples and discuss the applications.
 - b) What are the objectives of values analysis? Describe. [8+7]
- 7.a) Define work study. Explain the steps in work study along with their importance.
 - b) What are control charts for attributes? Explain with examples. [8+7]
- 8.a) Explain the assumptions of PERT and CPM.
 - b) Discuss how project cost analysis helps in completing the project. [7+8]

---00O00---

Code No: 156DV

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, February/March - 2022 INDUSTRIAL MANAGEMENT

(Common to CE, EEE, ME, ECE, CSE, IT)

Time: 3 hours Max. Marks: 75

Answer any five questions All questions carry equal marks

- - -

- 1.a) Briefly explain your understanding of corporate social responsibility.
 - b) What are the implications of Herzberg's two factor theory of motivation? [8+7]
- 2.a) Distinguish between Democratic style of leadership and Laissez Faire style of leadership.
 - b) What do you understand by inverted pyramid organization structure? [8+7]
- 3.a) What is a team? What are the benefits of team structure organization?
 - b) Explain the difference between line and staff authority. [8+7]
- 4.a) With examples, illustrate the nature of mass production system and distinguish it from batch production system.
 - b) What are the advantages and disadvantages of rural sites for location of plants? [8+7]
- 5.a) How can value analysis help an organization becoming competitive?
 - b) Explain the basic procedure of method study and work measurement. [7+8]
- 6.a) A time study was conducted on a job consisting of three elements. The stopwatch readings of the first five cycles using cumulative timing method are given below:

	υ	<u> </u>	0	U	U		
Element		Stopwatch readings in hundredth of a minute					
	1	2	3	4	5		
A	10	73	139	203	266		
В	25	88	155	218	280		
С	64	128	193	257	320		

The rating factors were estimated at 80,100, and 110 for the three elements respectively (on the rating scale 100 corresponding to normal performance). The allowance for personal needs, rest etc. amount to 12%. Calculate the standard time for the job.

- b) What are OC curves? [10+5]
- 7.a) What is inspection by variables? What is inspection by attributes? What are the control charts used for these?
 - b) What is factor comparison method of job evaluation? What are the steps involved?

[7+8]

8. The following data pertains to a project network.

Activity	Normal duration in	Normal cost in	Crash duration in	Crash cost in Rs.
	weeks	Rs.	weeks	
12	4	8000	3	15,500
13	8	5000	5	9,500
23	6	7000	4	9,000
24	9	9000	7	16,000
34	5	6000	3	12,000

The indirect cost of the project is Rs.3000 per week. Determine the optimum cost and the optimum duration of the project. Also draw the least cost network. [15]

Sheriguda (v), Ibrahimpatnam (m), RR.DIST501510

MID I Examination, April-2023

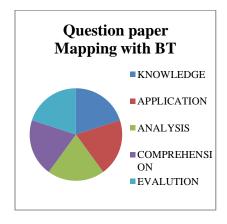
SET-1

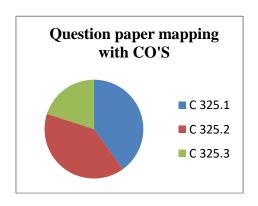
Year Branch–III-ECE (A) Date: 12/4/2023 Subject: IM

max, marks: 10Time:60mins

Answer any TWO Questions All Questions carry Equal Marks

- 1. Explain Fayol's Principles of Management. C 325.1 (Comprehension)
- 2. Discuss the characteristics of management as a profession. To what extent has India's management been professionalized? C 325.1 (Evaluation)
- 3. a) What are the steps involved for designing an organization structure? Explain. (b)Distinguish between the departmentalization and decentralization. C 325.2 (Analysis)
- 4. (a) What are the objectives of line-balancing?
 - (b) State the steps involved in RPW method for line balancing problem. C 325.2 (Knowledge)
- 5. (a) State the advantages of suburban area as a site for industry. (b) Describe the product layout with a neat sketch and state its advantages and limitations. C 325.3 (Application)





Sheriguda (v), Ibrahimpatnam (M), R.R.Dist-501510

II - Mid Examination, JUNE – 2023 SET-1

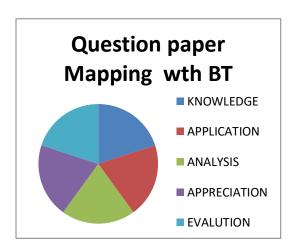
Year & Branch: III–ECE (A)

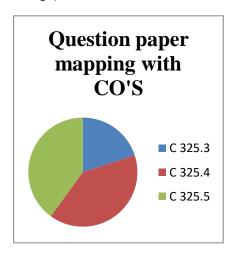
Date: 28/6/2023

Subject: INDUSTRIAL MANAGEMENT Max, marks: 10 Time: 60mins

Answer any TWO Questions. All Question carry Equal Marks

- 1) What are the advantages of job and batch production? C325.3 (Comprehension)
- 2) (a) State the advantages of suburban area as a site for industry. (b) Describe the product layout with a neat sketch and state its advantages and limitations. C325.4 (Application)
- 3) (a) Describe the various factors to be considered in selecting the actual site in a particular locality. (b) Differentiate between process layout and product layout. C325.4 (Analysis)
- 4) Critically examine and explain the trade-off in network crashing. C 325.5 (Evaluation)
- 5) What is project management and what are its objectives? C325.5 (Knowledge)





Sri Indu Institute of Engineering & Technology III B.Tech ECE II Sem., I mid – Term Examinations, APRIL- 2023

INDUSTRIAL MANGEMENT

Objective Exam

<u>B</u>	Branch Name: ECE	Hall Ticket No.I								T
<u>C</u>	CHOOSE THE CORRECT ALTERNATIVE:									
(b (c	By profession, FW Taylor was a (a) Mechanical engineer (b) Mining engineer (c) Psychologist (d) Human resource officer)								
2.	The principles of pure science are considered to	to be in	n nat	ture.	(`)			
(b)) Flexible b) Rigid c) Creative l) None of the above()									
(a) (b) (c) (d)	'Rule of thumb' refers to) Use of personal judgment in handling managen) Adopting a hit-and-trial approach to resolve ma) Both of the above None of the above The form of organization known for giving rise	nnagement problen		()				
(b) (c) (d)	Centralized organization Decentralized organization Formal organization Informal organization Identify the type of organizational structure when	iich facilitates occ	upat	iona]	l spe	eciali	zatio	on ()	
(b) (c) (d)) Functional structure) Horizontal structure) Network structure l) Divisional structure The following is also known as Military organiz	zation ()								
(b) (c) (d)	Line organization Functional organization Line and staff organization None of the above In line organization, the business activities are d	ivided into follow	ing t	three	typ	es	()		
	A) Accounts, Production, Sales B) Production, Quality, Sales									

(C) Production, Quality, Maintenance

(D) Production, Maintenance, Sales 8. In which of the following organization structure, each specialist is supposed to give his functional advice to all other foremen and workers ()
 (A) Line organization (B) Functional organization (C) Line and staff organization (D) All of the above 9. What type of process would a fertilizer plant be most likely to use ()
A. Continuous. B. Project. C. Job. D. Flow shop. 10. What are the two basic types of production systems? ()
A. Automated and manual.B. Intermittent and non-intermittent process.C. Normal and continuous process.D. Continuous process and batch.
II: FILL IN THE BLANKS:
1is recruitment of right people at right place in an organization.
2. Food, Water, Shelter areneeds.
3. Fayol suggested that organizations can be subdivided intomain groups of activity.
4 is the formal arrangement of jobs within an organization.
5. Organizational design is based on decisions about
6. Functional departmentalization groups jobs by
7. Departmentalization based on groups' jobs is based on the territory or physical
Location.
8) departmentalization is based on the product or customer flow through the organization.
9. The process of comparing outputs to previously established standards to determine if corrective action is
Needed is called
10. Measurements taken at various points in the transformation process for control purposes are called

III B.Tech ECE II Sem., II mid – Term Examinations, JUNE- 2023 INDUSTRIAL MANGEMENT

	Objective Exam					
Branch Name: ECE	Hall Ticket No.					

I CHOOSE THE CORRECT ALTERNATIVE:

- 1. What type most likely to use of process would a fertilizer plant be
 - a) Continuous.
 - b) Project.
 - c) Job.
 - d) Flow shop.
- 2. Poor quality adversely affects:
 - a) Costs.
 - b) Productivity.
 - c) Profitability.
 - d) All of the given options.
- **3.** What name is often given to processes which involve the manufacture of a unique item from beginning to end?
 - a) Jobbing processes.
 - b) Continuous processes.
 - c) Lean production processes.
 - d) None of the above
- **4.** Work study involves
 - a) only method study
 - b) only work measurement
 - c) method study and work measurement
 - d) only motion study
- 5. Work study consists of
 - a) Effective use of plant and equipment
 - b) Effective use of human effort
 - c) Evaluation of human work
 - d) All of the above
- **6.** Work study examines
 - a) Method
 - b) Duration of work

c) Both a & bd) None of the above
7. Which of the following are not the qualities of work study man?
a) Sufficient understanding of Technical & administrative matters.
b) He should be reliable and faith full
c) He should be sentimental and sympathetically
d) None of the above
8. The basic managerial skill(s)is(are)
a) To supervise
b) To motivate
c) To stimulated) All of these
d) All of these
9. Strategic Human resource management is
a) proactive
b) reactive
c) both
d) None of these
10. Job evaluation is based on the:
a) Complexity of the job to perform
b) Conceptual skill required by the job
c) Relative job worth for an organization
d) Physical skills required by the job
II: FILL IN THE BLANKS:
1. Production systems with customized outputs typically have relatively
2. The process of comparing outputs to previously established standards to determine if corrective action is
needed iscalled 2. Manufacturing work cont to other countries is called
 3. Manufacturing work sent to other countries is called 4 is a performance measure of both efficiency and effectiveness.
5 is a method used in group or organizational training needs assessment?
6forecasting technique is the fastest?
7. The human resource Management helps to improve the
8. CPM is the
9. PERT is the
10. PERT stands for

 $Sheriguda\ (V),\ Ibrahimpatnam\ (M),\ R.R. Dist-501510$

B-TechI-MidExaminations, APRIL-2023

Year & Branch: III-ECE-A Date: 12/4/2023

Subject: IM

ANSWERKEY

Descriptivepaperkeylink:

https://drive.google.com/file/d/1sa3E1ntjAz3ETSdMlkcHER2jBH mmAQBf/view?usp=sharing

Key Paper	
I. Choose the correct alternative:	
1. A	
2. C	
3. C	
4. D	
5. A	
6. A	
7. A	
8. B	
9. A	
10. B	

Fill in the blanks:

- 1. Staffing
- 2. Physiological
- **3.** 6
- **4.** Organizational structure
- 5. chain of command and span of control
- **6.** tasks they perform
- 7. geographic
- **8.** Process
- 9. Controlling.
- 10. Feedback.

Sheriguda (V), Ibrahimpatnam (M), R.R.Dist-501 510 **B-Tech II - Mid Examinations, JUNE-2023**

Year &Branch: III –ECE-A Date: 28/6/2023

Subject: IM

ANSWER KEY

Descriptive paper key link:

https://drive.google.com/file/d/1qRWCmZWdiZTWjvzsJz0iBpRvFmIFbn0U/view?usp=sharing

Objective/Ouiz Kev Paper

Key Paper BEFA:

- 1. A
- 2. D
- 3. B
- 4. C
- 5. D
- 6. C
- 7. D
- 8. D
- 9. C
- 10. A

Fill in the blanks:-

- 1. Skilled workers.
- 2. Controlling.
- 3. Outsourced.
- 4. Employee productivity
- 5. Questionnaires
- 6. Ratio trend analysis
- 7. Productivity
- 8. Activity oriented technique
- 9. Event oriented technique
- 10. project evaluation and review technique



Accredited by NAAC with A+ Grade, Recognized under2(f) of UGC Act 1956
(ApprovedbyAICTE,NewDelhiandAffiliatedtoJNTUH,Hyderabad)
KhalsaIbrahimpatnam, Sheriguda (V),Ibrahimpatnam(M),RangaReddy Dist.,Telangana-501510 Website: https://siiet.ac.in/

ASSIGNMENT-1 SUBJECT: INDUSTRIAL MANAGEMENT

- 1] Describe Industrial management and explain its concept? C325.1 (Knowledge)
- 2] Explain Fayol's of management? C325.1 (evaluating)
- 3] Illustrate matrix organization structure?C325.2(comprehension)
- 4] Explain types of production system? C325.2 (understand)
- 5] Differentiate virtual organization and cellular organization? C325.3 (Analysis)



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

ASSIGNMENT- 2 SUBJECT: INDUSRIAL MANAGEMENT

- 1. Compare urban and rural sites? C325.3 (Evaluation)
- 2. What is method study? Write steps in method study? C325.4 (Analysis)
- 3. Explain charts for attributes? C325.4 (Knowledge)
- 4. What are the methods of Job evolution? C325.5 (Comprehension)
- 5. Explain Critical path? C325.5 (Understand)



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

Course Title	Industrial management
Course Code	MT600OE
Programme	B.Tech
Year & Semester	III year II-semester, A sec
Regulation	R18
Course Faculty	T.K.VENKATA NAGAMANI Assistant Professor, ECE

Slow learners:

S No	Roll no	No of backlogs	Internal-I Status	Internal-II Status
1	20X31A0401	4	20	20
2	20X31A0403	5	15	14
3	20X31A0406	4	17	21
4	20X31A0407	3	20	19
5	20X31A0408	3	16	19
6	20X31A0410	5	19	18
7	20X31A0411	4	18	21
8	20X31A0412	5	14	15
9	20X31A0413	4	14	21
10	20X31A0418	8	14	14
11	20X31A0419	4	17	20
12	20X31A0423	3	23	21
13	20X31A0427	3	21	18
14	20X31A0428	4	23	22
15	20X31A0430	4	24	23
16	20X31A0431	5	24	17
17	20X31A0433	3	20	17

18	20/21 40/25	3	16	10
10	20X31A0435	3	10	18
19	20X31A0436	5	19	19
20	20X31A0440	4	20	22
22	20X31A0445	4	23	21
23	20X31A0447	3	22	22
24	20X31A0450	4	22	22
25	20X31A0453	4	18	21
26	20X31A0454	5	14	20
27	20X31A0455	4	18	21
28	20X31A0456	5	14	21
30	20X31A0458	3	21	20
31	20X31A0462	3	21	22

Advanced learners:

CNO	DOLL NO	DEFE	DENICE MARI	CDIAI
S.NO	ROLL.NO.	KEFE	RENCE MAT	EKIAL
1	20X31A0404			
2	20X31A0409	1.	Industrial Managemer	Engineering
3	20X31A0415		_	ge Learning.
4	20X31A0416	2.	Industrial Hand Book	Engineering /Maynard
5	20X31A0420	3.	Industrial	Engineering
6	20X31A0421		Managemer Shankar/ Ga	
7	20X31A0422			
8	20X31A0425			
9	20X31A0432			
10	20X31A0434			
11	20X31A0437			
12	20X31A0438			
13	20X31A0439			
14	20X31A0442			

15	20X31A0444
16	20X31A0449
17	20X31A0452
18	20X31A0459
19	20X31A0460

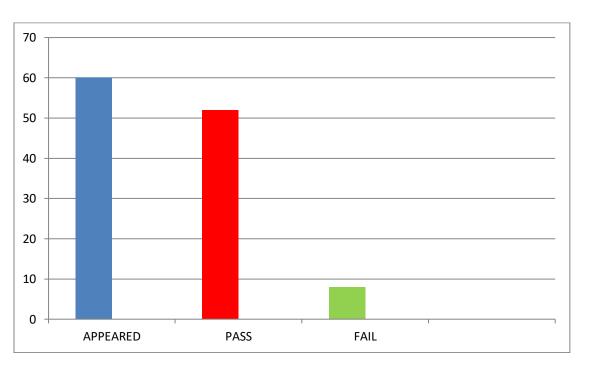


Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

B.TECH III- II SEM ECE-A RESULT ANALYSIS

ACADAMIC	COURSE	NUMBE STUDE	_	QUESTIO SETI		
YEAR	NAME	APPEARED	PASSED	INTERNAL	EXTERNAL	PASS%
2022-23	Industrial management	60	52	COURSE FACULTY	JNTUH	87

INDUSTRIAL ANALYSIS (C325)) RESULT ANALYSIS





(An Autonomous Institution under UGC)

Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING REMEDIAL CLASSES TIME TABLE

A.Y 2022-23

SEMESTER-II

BRANCH/ SEC	MON 4.00 PM- 5.00 PM	TUE 4.00 PM- 5.00 PM	WED 4.00 PM- 5.00 PM	THUR 4.00 PM- 5.00 PM	FRI 4.00 PM- 5.00 PM
II ECE-A	EMF&W	LTNM	A&DC	LICA	ECA
II ECE-B	LICA	A&DC	EMF&W	ECA	LTNM
III ECE-A	DSP	VLSID	A&P	ESD	IM
III ECE-B	A&P	ESD	DSP	IM	VLSID
III ECE-C	IM	A&P	ESD	VLSID	DSP
IV ECE-A	WSN	ML	LPVLSID	-	
IV ECE-B	ML	LPVLSID	WSN	17 2 7	É
IV ECE-C	LPVLSID	WSN	ML	20	=

Head of the Dapartment
Head of the Dapartment
Electronics and Communication Engg & TECH
Electronics and Communication Engg & TECH
SRI INDU INSTITUTE OF ENGG & TECH
SRI INDU INS

PRINCIPAL
PRINCIPAL
Son Indu Institute of Engineering & Technology
Sheriguda(Vitl), Ibrehimpatnam
RR Dist Telangana -501 510



Department of Electronics and Communication Engineering

Course Outcome Attainment (Internal Examination-1)

Name of the faculty: T.K.V NAGAMANI Academic Year: 2022-23
Branch & Section: ECE - A Examination: I Internal

Course Name: Year: III Semester: II

S.N	HT No.	Q1a	Q1b	Q2a	Q2b	Q3a	Q3b	Q4a	Q4b	Obj1	A1
Max. N	/Iarks ==>	5		5		5		5		10	5
1	20X31A0401	4								10	5
2	20X31A0402	5								10	5
3	20X31A0403	5						3		4	5
4	20X31A0404	5						2		10	5
5	20X31A0405	3						3		10	5
6	20X31A0406	5								10	5
7	20X31A0407	3		3						10	5
8	20X31A0408	5		5						10	5
9	20X31A0409	5								10	5
10	20X31A0410	3		3						10	5
11	20X31A0411	5						2		10	5
12	20X31A0412	3		3						10	5
13	20X31A0413			4				5		10	5
14	20X31A0414	5						5		10	5
15	20X31A0415	5						5		9	5
16	20X31A0416	5						2		10	5
17	20X31A0417	5						5		10	5
18	20X31A0418							5		5	5
19	20X31A0419	5						2		10	5
20	20X31A0420	5						3		10	5
21	20X31A0421	5						4		10	5
22	20X31A0422							5		10	5
23	20X31A0423			4				4		10	5
24	20X31A0424	5								10	5
25	20X31A0425	5						5		10	5
26	20X31A0426	5		4						10	5
27	20X31A0427			3				3		10	5
28	20X31A0428	4		3						10	5
29	20X31A0429	5						5		10	5
30	20X31A0430	4						4		10	5
31	20X31A0431	4						4		10	5
32	20X31A0432	4						4		10	5
33	20X31A0433	5						<u> </u>		10	5
34	20X31A0434	5						4		10	5
35	20X31A0435	5		4				<u> </u>		10	5
36	20X31A0470	5		2				<u> </u>		10	5
37	20X31A0471			5		5				10	5
38	20X31A0472	<u> </u>		ļ		<u> </u>		5	<u> </u>	10	5
39	20X31A0473	5				2				10	5

40	20X31A0440					3		5		10	5
41	20X31A0441							5		10	5
42	20X31A0442	5								10	5
43	20X31A0444							5		10	5
44	20X31A0445	3						5		10	5
45	20X31A0446	5								10	5
46	20X31A0447	5								10	5
47	20X31A0448	4						5		10	5
48	20X31A0449							5		10	5
49	20X31A0450							5		10	5
50	20X31A0451							5		10	5
51	20X31A0452	5		2						10	5
52	20X31A0453	5						3		10	5
53	20X31A0454	5						4		4	5
54	20X31A0455	3						3		10	5
55	20X31A0456	4						4		7	5
56	20X31A0440	5						4		10	5
57	20X31A0441	5						4		10	5
58	20X31A0442	4						4		10	5
59	20X31A0444	3						3		10	5
60	20X31A0445	4						4		10	5
Targ	et set by the faculty / HOD	3.00	0.00	3.00	0.00	3.00	0.00	3.00	0.00	6.00	3.00
	ber of students performed	49	0	16	0	2	0	40	0	57	60
abov	e the target		-								
Num	ber of students attempted	50	0	16	0	3	0	42	0	60	60
D		000/		1000/		670/		050/		050/	100%
	entage of students scored	98%		100%		67%		95%		95%	100%
	e than target										
<u>co</u>	Mapping with Exam Questi								1	1	1
	CO - 1	Y		Y				Y		Y	Y
	CO - 2					Y				Y	Y
	CO - 3									Y	Y
	CO - 4										
	CO - 5										
	CO - 6										
		1									
0/ 4	Students Cooned > Tarret 0/	000/		1000/		670/		050/		050/	1000/
	Students Scored > Target %	98%		100%		67%		95%		95%	100%
<u></u>	Attainment based on Exam CO - 1			10004				0.504		0.504	1000
		98%	1	100%				95%		95%	100%
	CO - 2		1	ļ		67%				95%	100%
	CO - 3									95%	100%
	CO - 4										

CO - 5					
CO - 6					

CO	Sub	obj	Assig	Overall	Level
CO-1	98%	95%	100%	98%	3.00
CO-2	67%	95%	100%	87%	3.00
CO-3		95%	100%	98%	3.00
CO-4					
CO-5					
CO-6					

Attainment Level						
1	40%					
2	50%					
3	60%					

Attainment (Internal 1 Examination) = 3.00

Faculty Signature



Department of Electronics and Communication Engineering

Course Outcome Attainment (Internal Examination-2)

Name of the faculty: T.K.V NAGAMANI Academic Year: 2022-23 Branch & Section: ECE - A Examination: II Internal

Course Name: BEFA Year: III Semester: I

S.No	HT No.	Q1a	Q1b	Q2a	Q2b	Q3a	Q3b	Q4a	Q4b	Obj2	A2
Max	. Marks ==>	3	2	5		5		5		10	5
1	20X31A0401					4		4		7	5
2	20X31A0402					5		5		9	5
3	20X31A0403									9	5
4	20X31A0404					4				8	5
5	20X31A0405			4				4		8	5
6	20X31A0406	2				4				8	5
7	20X31A0407	2				4				8	5
8	20X31A0408	2						4		8	5
9	20X31A0409					5		5		8	5
10	20X31A0410	2						4		7	5
11	20X31A0411					5		3		8	5
12	20X31A0412					2		2		6	5
13	20X31A0413	3				5				8	5
14	20X31A0414	3				4				8	5
15	20X31A0415					4		5		9	5
16	20X31A0416	3						5		9	5
17	20X31A0417					5		4		8	5
18	20X31A0418									9	5
19	20X31A0419	3						4		7	5
20	20X31A0420	3				5				8	5
21	20X31A0421					1		5		9	5
22	20X31A0422					5		4		9	5
23	20X31A0423					3		4		9	5
24	20X31A0424					3		5		9	5
25	20X31A0425					3		4		9	5
26	20X31A0426									9	5
27	20X31A0427							4		9	5
28	20X31A0428			4				4		9	5
29	20X31A0429			3				4		9	5
30	20X31A0430					5		4		9	5
31	20X31A0431					1		3		8	5
32	20X31A0432					5		5		9	5
33	20X31A0433			5						7	5
34	20X31A0434					5		5		9	5
35	20X31A0435	3				4				6	5
36	20X31A0436	3				5				6	5
37	20X31A0437	3	2					5		9	5
38	20X31A0438					5		5		9	5
39	20X31A0439					5		5		9	5
40	20X31A0440			4				4		9	5
41	20X31A0441					3		4		9	5
42	20X31A0442					5		4		9	5
43	20X31A0444					5		5		9	5
44	20X31A0445	3				4				9	5

	-									
20X31A0446	3				4				9	5
20X31A0447	3				4				8	5
20X31A0448	3	1			4				9	5
20X31A0449					5		5		9	5
20X31A0450					4		4		9	5
20X31A0451					5		4		9	5
20X31A0452					5		5		9	5
20X31A0453					4		4		8	5
20X31A0454					4		4		7	5
20X31A0455					4		4		8	5
20X31A0456					4		4		8	5
20X31A0458					3		4		8	5
20X31A0459					5		5		9	5
20X31A0460					4		4		9	5
20X31A0461					4		5		9	5
20X31A0462					4		4		9	5
get set by the faculty	1.80	1.20	3.00	0.00	3.00	0.00	3.00	0.00	6.00	3.00
	1.0		_	0	40		40			
	16	1	5	0	43	0	43	0	60	60
ther of students										
	16	2	5	0	46	0	44	0	60	60
приси										
entage of students ed more than target	100%	50%	100%		93%		98%		100%	100%
	20X31A0448 20X31A0449 20X31A0450 20X31A0451 20X31A0452 20X31A0453 20X31A0454 20X31A0456 20X31A0456 20X31A0459 20X31A0460 20X31A0460 20X31A0461 20X31A0462 et set by the faculty D aber of students ormed above the et aber of students inpted	20X31A0448 3 20X31A0449 20X31A0450 20X31A0451 20X31A0452 20X31A0453 20X31A0454 20X31A0456 20X31A0458 20X31A0459 20X31A0460 20X31A0461 20X31A0462 et set by the faculty D aber of students ormed above the et aber of students npted entage of students 100%	20X31A0448 3 1 20X31A0449 20X31A0450 20X31A0451 20X31A0452 20X31A0453 20X31A0454 20X31A0455 20X31A0456 20X31A0458 20X31A0460 20X31A0460 20X31A0461 20X31A0462 et set by the faculty D aber of students ormed above the etaber of students on the etaber of	20X31A0448 3 1 20X31A0449 20X31A0450 20X31A0451 20X31A0452 20X31A0453 20X31A0454 20X31A0455 20X31A0456 20X31A0458 20X31A0459 20X31A0460 20X31A0461 20X31A0462 tet set by the faculty D aber of students ormed above the etaler of students ormed above the etaler orme	20X31A0448 3 1 20X31A0449 20X31A0450 20X31A0451 20X31A0452 20X31A0453 20X31A0454 20X31A0455 20X31A0456 20X31A0458 20X31A0459 20X31A0460 20X31A0461 20X31A0462 et set by the faculty D aber of students ormed above the etaber of students on pted entage of students 16 2 5 0 entage of students 100% 50% 100%	20X31A0448 3 1 4 20X31A0449 5 20X31A0450 4 20X31A0451 5 20X31A0452 5 20X31A0453 4 20X31A0454 4 20X31A0455 4 20X31A0456 4 20X31A0458 5 20X31A0459 5 20X31A0460 4 20X31A0461 4 20X31A0462 4 20X31A0462 4 20X31A0462 4 20X31A0462 7 20X31A0462 7 20X31A0461 7 20X31A0462 7 20X31A0462 7 20X31A0462 7 20X31A0462 7 20X31A0462 7 20X31A0461 7 20X31A0462 7 20X31A0462 7 20X31A0462 7 20X31A0462 7 20X31A0461 7 20X31A0462 7 20X31A0461 7 20X31A0462 7 20X31A0462 7 20X31A0461 7 20X31A0461 7 20X31A0461 7 20X31A0461 7 20X31A0462 7 20X31A0461 7 20X31A0461 7 20X31A0460 7 2	20X31A0448 3 1 4 5 5 20X31A0450 4 20X31A0451 5 5 20X31A0452 5 5 20X31A0453 4 20X31A0455 4 4 20X31A0455 4 4 20X31A0456 4 4 20X31A0458 3 3 20X31A0459 5 5 20X31A0460 4 20X31A0461 4 20X31A0462 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20X31A0448 3	20X31A0448 3	20X31A0448 3

CO Mapping with Exam Questions:

CO - 1							
CO - 2							
CO - 3		Y				Y	Y
CO - 4	Y					Y	Y
CO - 5			Y			Y	Y
CO - 6				Y	Y	Y	Y

CO Attainment based on Exam Questions:

CO - 1							
CO - 2							
CO - 3		50%				100%	100%
CO - 4	100%					100%	100%
CO - 5			100%			100%	100%
CO - 6				93%	98%	100%	100%

СО	Subj	obj	Asgn	Overall	Level
CO-1					
CO-2					
CO-3	50%	100%	100%	83%	3.00
CO-4	100%	100%	100%	100%	3.00
CO-5	100%	100%	100%	100%	3.00
CO-6	96%	100%	100%	99%	3.00

Atta	Attainment Level					
1	40%					
2	50%					
3	60%					

Attainment (Internal Examination-2) = **3.00**

Faculty Signature



Department of Electronics and Communication Engineering

Course Outcome Attainment (University Examinations)

Name of the faculty: T.K.V NAGAMANI Academic Year: 2022-23
Branch & Section: ECE - A Year / Semester: III / I

Course Name: BEFA

S.No	Roll Number	Marks Secured
1	20X31A0401	18
2	20X31A0402	26
3	20X31A0403	0
4	20X31A0404	32
5	20X31A0405	30
6	20X31A0406	13
7	20X31A0407	32
8	20X31A0408	26
9	20X31A0409	30
10	20X31A0410	3
11	20X31A0411	11
12	20X31A0412	1
13	20X31A0413	11
14	20X31A0414	35
15	20X31A0415	39
16	20X31A0416	26
17	20X31A0417	34
18	20X31A0418	0
19	20X31A0419	28
20	20X31A0420	26
21	20X31A0421	34
22	20X31A0422	31
23	20X31A0423	15
24	20X31A0424	30
25	20X31A0425	31
26	20X31A0426	26
27	20X31A0427	26
28	20X31A0428	26
29	20X31A0429	31
30	20X31A0430	26
31	20X31A0431	19
32	20X31A0432	32
33	20X31A0433	11
34	20X31A0434	26
35	20X31A0435	7
Max Ma	arks	75

Max Marks 75	
Class Average mark	24
Number of students performed above the target	38
Number of successful students	60

S.No	Roll Number	Marks Secured
36	20X31A0436	6
37	20X31A0437	26
38	20X31A0438	44
39	20X31A0439	45
40	20X31A0440	16
41	20X31A0441	17
42	20X31A0442	39
43	20X31A0444	43
44	20X31A0445	26
45	20X31A0446	30
46	20X31A0447	26
47	20X31A0448	26
48	20X31A0449	43
49	20X31A0450	8
50	20X31A0451	35
51	20X31A0452	46
52	20X31A0453	10
53	20X31A0454	4
54	20X31A0455	0
55	20X31A0456	0
56	20X31A0458	18
57	20X31A0459	40
58	20X31A0460	30
59	20X31A0461	19
60	20X31A0462	26

Attainment Level	% students
1	40%
2	50%

Percentage of students scored more than target	63%
Attainment level	3

3	60%	



Department of Electronics and Communication Engineering

Course Outcome Attainment

Name of the faculty T.K.V NAGAMANI Academic Year: 2022-23 Examination: I Internal

Branch & Section: ECE - A

Course Name: IM Semester: II

Course Outcomes Ist Internal Exam		2nd Internal Exam	Internal Exam	University Exam	Attainment Level	
CO1	3.00		3.00	3.00	3.00	
CO2 3.00			3.00	3.00	3.00	
CO3	3.00	3.00	3.00	3.00	3.00	
CO4		3.00	3.00	3.00	3.00	
CO5		3.00	3.00	3.00	3.00	
CO6		3.00	3.00	3.00	3.00	
Internal	& Universit	ty Attainment:	3.00	3.00		
		Weight age	25%	75%		
O Attainment for the	course (Inte	ernal, Universi	0.75	2.25		
CO Attainment for t	the course (I	Direct Method)	_	3.00		

Overall course attainment level

3.00

Faculty Signature

Department of Electronics and Communication Engineering **Program Outcome Attainment (from Course)**

Name of Faculty: T.K.V NAGAMANI Academic Year: 2022-23

Branch & Section: ECE - A Year: Ш Course Name: IM П Semester:

CO-PO mapping

	Program Outcomes (PO's)													
	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO I	PSO II
C325.1	1	2	2	-	-	1	1	1	3	3	1	1	-	-
C325.2	-	1	2	-	-	-	_	-	1	2	-	1	-	_
C325.3	3	3	3	1	1	-	-	-	-	1	-	2	-	_
C325.4	3	3	2	1	1	-	_	-	1	2	-	1	-	_
C325.5	3	3	1	3	1	-	-	-	1	1	-	1	-	_
C325.5	2	3	2	-	2	-	_	-	1	1	3	1	-	_
C325	2.4	2.5	2	1.6	1.2	1	1	1	1.4	1.6	2	1.1	-	_

со	Course Outcome Attainment	
CO1	3.00	
CO1		
	3.00	
CO2		
	3.00	
соз		
	3.00	
CO4	5.00	
	3.00	
CO5		
CO6	3.00	
Overall	course attainment level 3.00	

PO-ATTAINMENT

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
со														
Attainme														
nt	2.4	2.5	2.00	1.6	1.2	1	1	1	1.4	1.6	2.0	1.1		

CO contribution to PO - 33%, 67%, 100% (Level 1/2/3)



Accredited by NAAC with A+ Grade, Recognized under 2(f) of UGC Act 1956
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510
Website: https://siiet.ac.in/

ASSIGNMENTS AND REGISTERS

Assignment 1 script link:

https://drive.google.com/file/d/1UCQxSOsPecuz1F FRIVpAmyKpOGGnJoW/view?usp=sharing

Assignment 2 script link:

https://drive.google.com/file/d/1TJy6Zi8kKAepg6DDdn11Sb9BI1rCajZ8/view?usp=sharing

Attendance register link:

https://drive.google.com/file/d/1sS2oIFJJb_AQcikuU2Hex1H7RpugqKa0/view?usp=sharing