

IGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada

Display of COs and POs

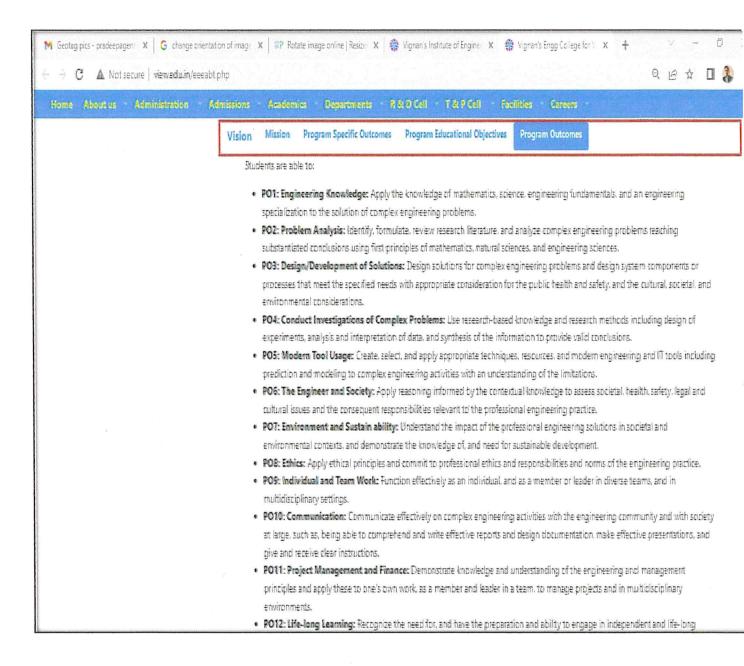
S.No	Description	Page Number
1	Display of POs in Institutional Website	2
2	Display of POs in HOD Chambers	3-5
3	Display of POs in Staff Rooms	6-7
4	Display of POs in Class Rooms	8 – 12
5	Display of POs and COs in Labs	13 – 20
6	Display of POs In Student's Assignment Books	21 – 30
7	Display of COs in Project works	31 – 33



PRINCIPAL
Vignan's Institute of
Engineering for Women
K I. Peta, VSEZ (P.O.)



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Display of POs in Institutional Website (http://www.view.edu.in/eeeabt.php)





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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.



GPS Map Camera



Google

Visakhapatnam, Andhra Pradesh, India

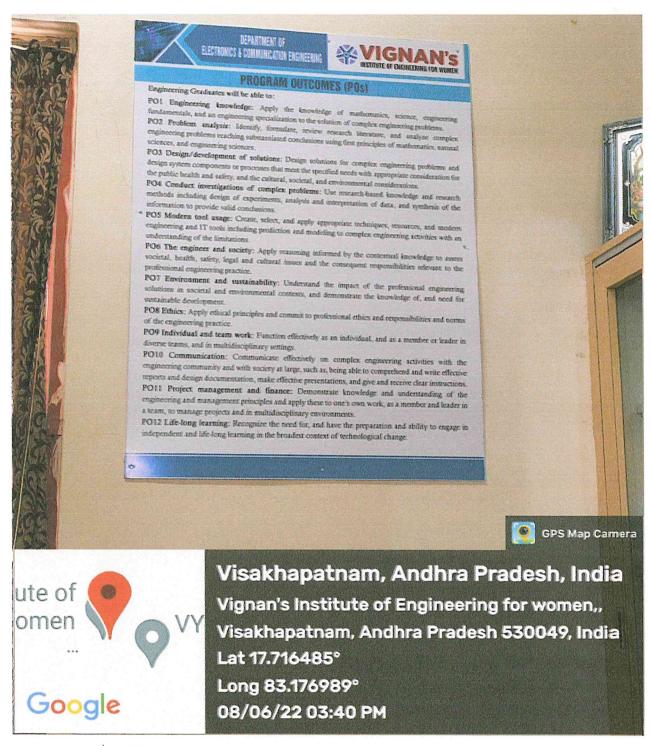
Vignan's Institute of Engineering for women, Visakhapatnam, Andhra Pradesh 530049, India Lat 17.716688°

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Display of POs in ME -HOD Chamber, Room No: B-23



Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada



Display of POs in ECE HOD Chamber, Room No: A-34





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DEPARTMENT OF INFORMATION TECHNOLOGY



PROCRAM OUTCOMES (POS)

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Visakhapatnam, Andhra Pradesh, India

Vignan's Institute of Engineering for women, Visakhapatnam, Andhra Pradesh 530049, India Lat 17.716637°

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Display of POs in IT HOD Chamber, Room No: A-24

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Display of POs in ECE Staff Room, Room No: C-34



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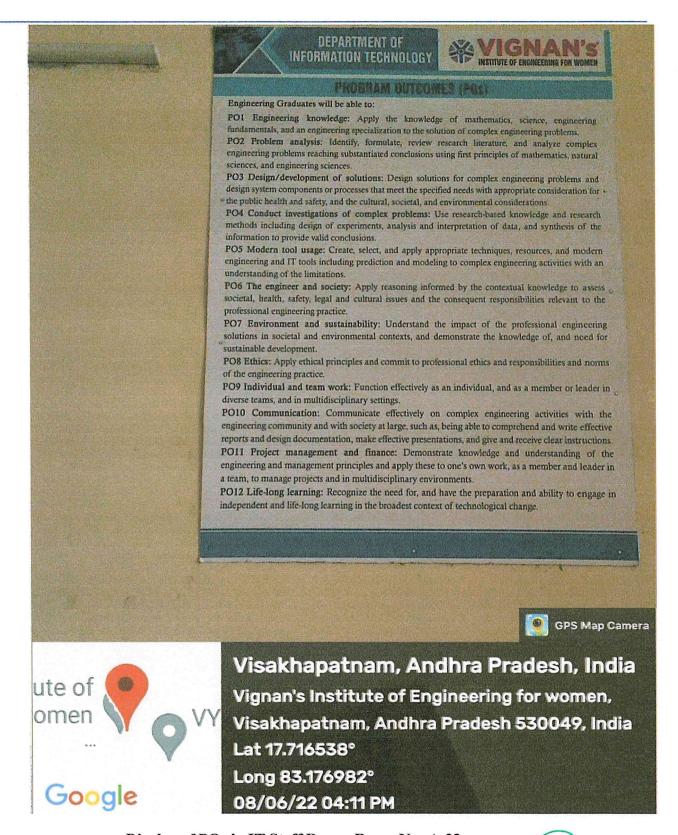
Visakhapatnam, Andhra Pradesh, India

Visakhapatnam, Andhra Pradesh 530049, India

Vignan's Institute of Engineering for women,



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Display of POs in IT Staff Room, Room No: A-23





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Visakhapatnam, Andhra Pradesh, India

Visakhapatnam, Andhra Pradesh 530049, India

Vignan's Institute of Engineering for women,

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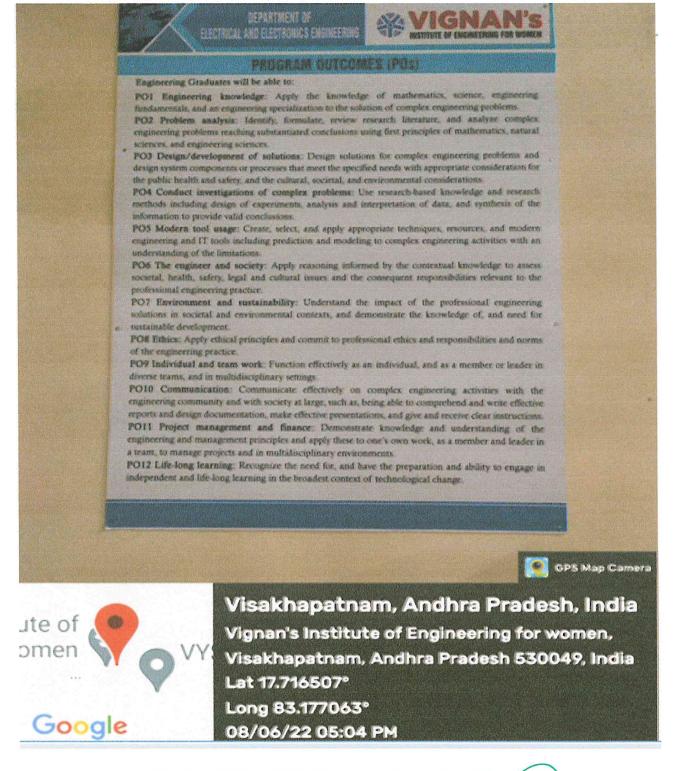
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Display of POs in ME - Class Room, Room No: B-26





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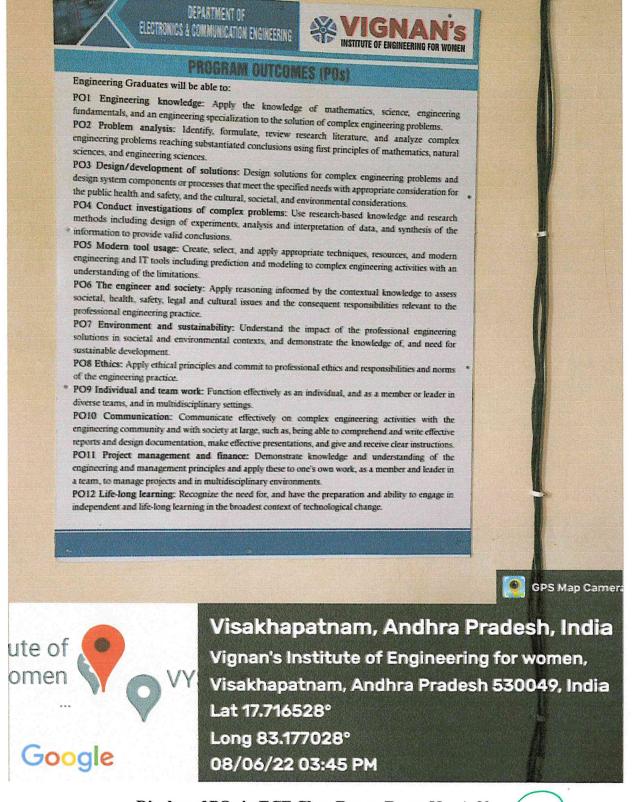


Display of POs in EEE Classroom, Room No: A05





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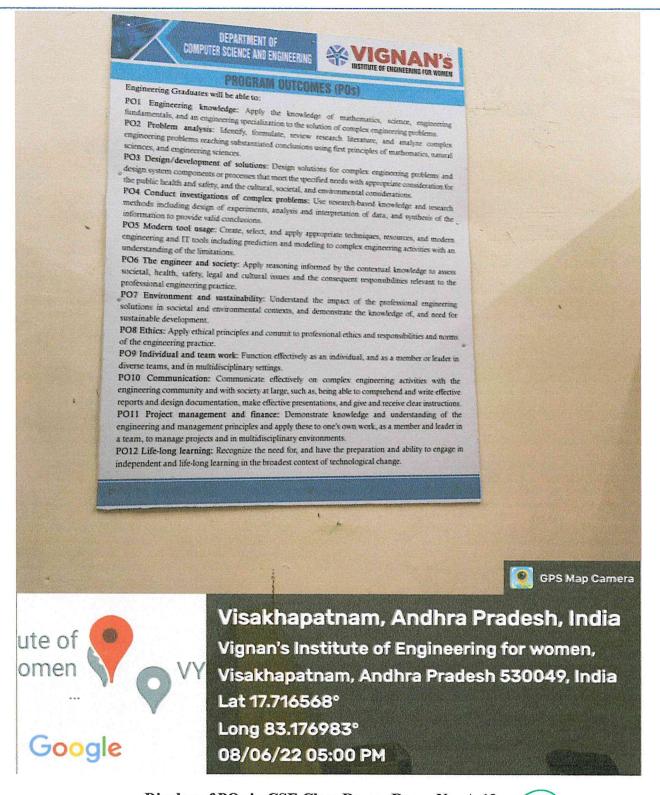


Display of POs in ECE Class Room, Room No: A-32





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Display of POs in CSE Class Room, Room No: A-13





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GPS Map Camera



Google

Visakhapatnam, Andhra Pradesh, India

Vignan's Institute of Engineering for women, Visakhapatnam, Andhra Pradesh 530049, India Lat 17.716548°

Long 83.176959° 08/06/22 04:16 PM

Display of POs in IT Class Room, Room No: A-22



PRINCIPAL
Vignan's Institute of
Engineering for Women
K.J. Peta, VSEZ (P



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Electrical Simulation Lab

VISION

To be a center of excellence for producing proficient and socially responsible women electrical engineers for industry outreach through quality education and research.

MISSION

- To empower the students with skills in current trends through effective teaching-learning process for professional growth.
- To fixter an eco-system for higher education and research in Electrical Engineering through constant industry interaction.
- To facilitate practical expertise in enterprise development and energy environment by promoting innovation and social consciousness.

Course Learning Objectives

- To simulate integrator circuit, differentiator circuit, Boost converter, Buck converter, full convertor and PWM inverter.
- To simulate transmission line by incorporating line, load and transformer models.
- To perform transient analysis of RLC circuit and single machine connected to infinite bus (SMIB).

Course Outcomes (CO'S)

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GPS Map Camera



Visakhapatnam, Andhra Pradesh, India

Vignan's Institute of Engineering for women, Visakhapatnam, Andhra Pradesh 530049, India Lat 17.716626°

Long 83.176933°

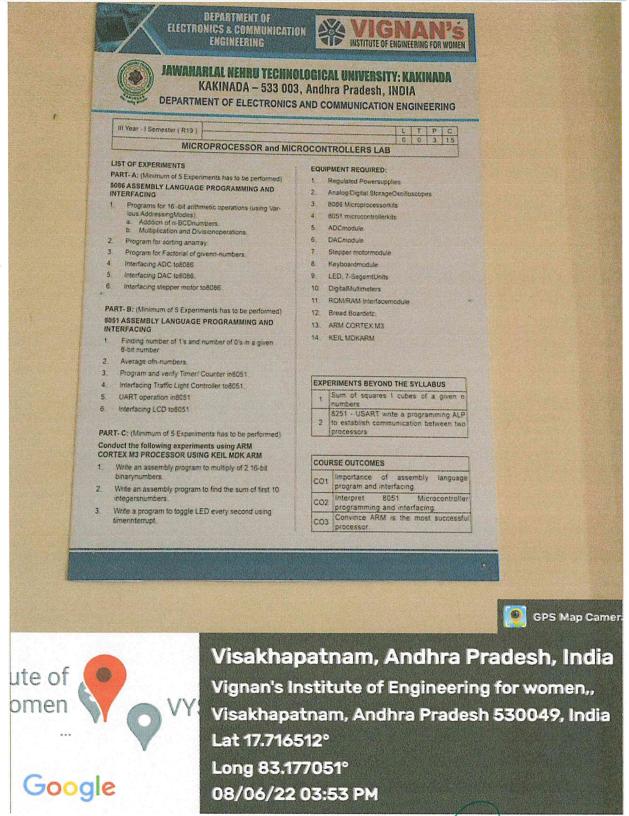
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Display of COs in Control System Lab, Room No: B-03

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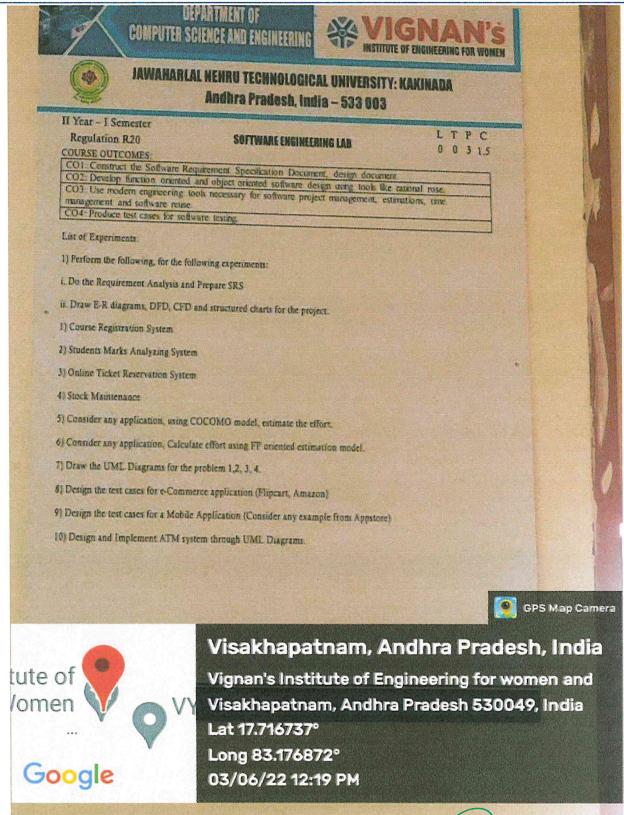


Display of COs in MPMC Lab, Room No: C-33





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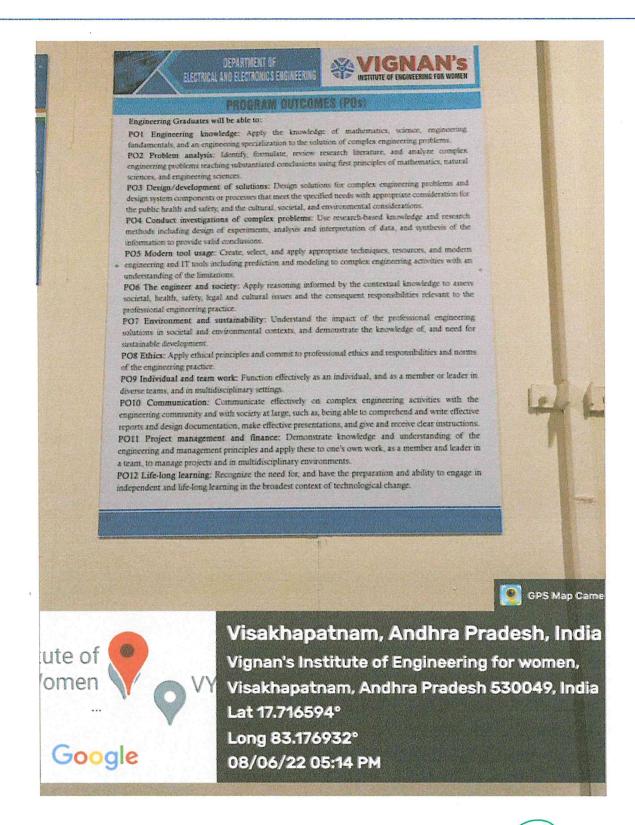


Display of COs in Software Engineering Lab, Room No. B-14





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Display of POs in Control System Lab, Room No: B-04





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Visakhapatnam, Andhra Pradesh, India

Vignan's Institute of Engineering for women, Visakhapatnam, Andhra Pradesh 530049, India Lat 17.718142°

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Display of POs in FMHM Lab, Room No: 6





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GPS Map Camera



Google

Visakhapatnam, Andhra Pradesh, India

Vignan's Institute of Engineering for women,, Visakhapatnam, Andhra Pradesh 530049, India Lat 17.716512°

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Display of POs in MPMC Lab, Room No: C-33





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GPS Map Camera



Visakhapatnam, Andhra Pradesh, India

Vignan's Institute of Engineering for women, Visakhapatnam, Andhra Pradesh 530049, India Lat 17.716673°

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Display of POs in CSE THOMPSON Lab, Room No: /B-15





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PROGRAM GUICOMES rene

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GPS Map Camera



Visakhapatnam, Andhra Pradesh, India Vignan's Institute of Engineering for women, Visakhapatnam, Andhra Pradesh 530049, India Lat 17.716638°

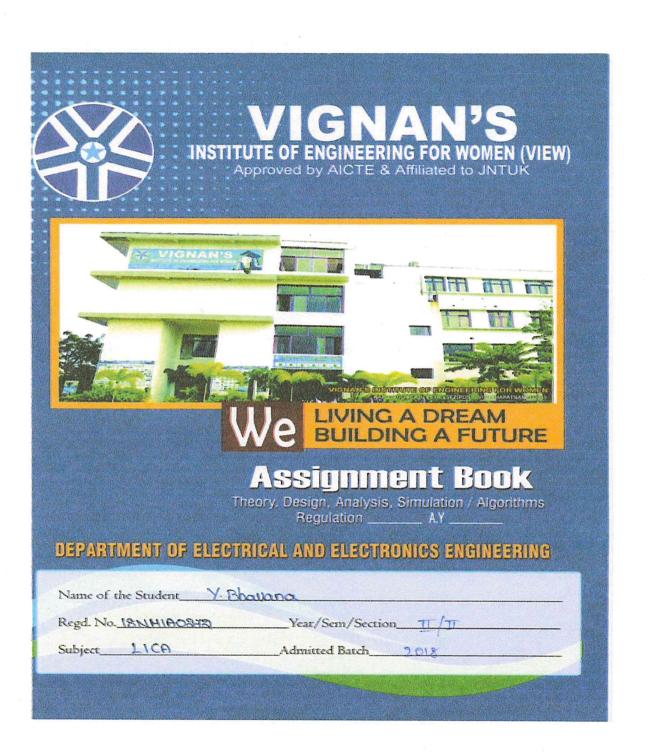
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Display of POs in IT Lab, Room No: C-25





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Cover Page of Assignment Book - E.E.E





Institute Vision

To be a leading institution of women empowerment producing internationally accepted professionals with psychological strength, emotional balance and ethical values.

Institute Mission

M1: To empower women engineers through innovative teaching-learning practices.

M2: To encourage for higher education and research with well equipped laboratories.

M3: To promote entrepreneurship through creativity and innovation

M4: To promote environmental sustainability and inculcate ethical, emotional and social consciousness.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Vision

To be a center of excellence for producing proficient and socially responsible women electrical engineers for industry outreach through quality education and research.

Missing

M1: To empower the students with skills in current trends through effective teaching-learning process for professional growth.

M2: To foster an eco-system for higher education and research in Electrical Engineering through constant industry interaction.

M3: To facilitate practical expertise in enterprise development and energy environment by promoting innovation and social consciousness.

Program Outcomes

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PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

After successful completion of the program, the Graduates will be able to:

PEO1: Possess strong educational foundation in Electrical Engineering for making successful careers in core and allied industry.

PEO2: Develop solutions for realistic problems in the society through innovation and lifelong learning.

PEO3: Exhibit communication skills, leadership qualities, social and environmental responsibility, ethical values in successful career.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Analyze and solve critical problems associated with Power systems/Control Systems using modern software tools.

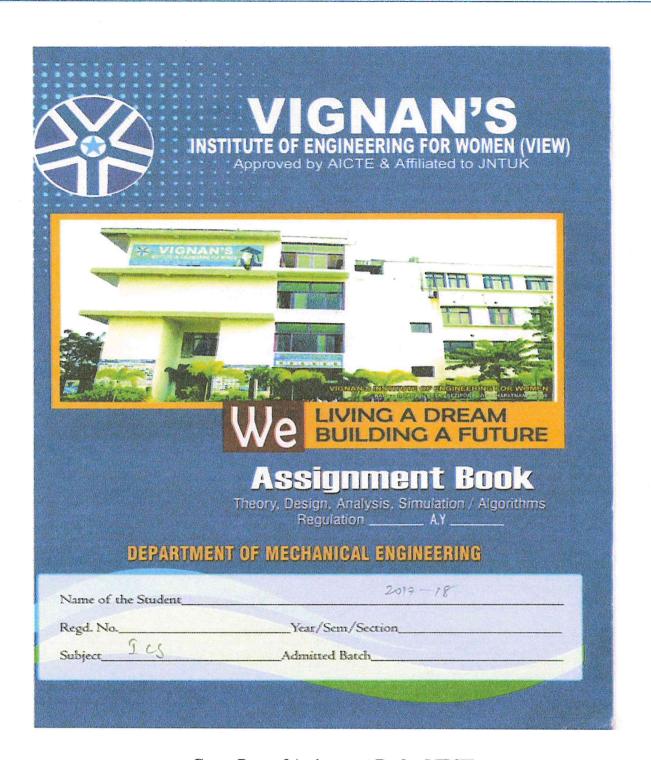
PSO2: Apply the knowledge of power electronics to control and design high-Performance electrical drives for a career in interdisciplinary field.

Display of POs in Assignment Book back Page - E.E.E





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Cover Page of Assignment Book - MECH.



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Institute Vision

To be a leading institution of women empowerment producing internationally accepted professionals with psychological strength, emotional balance and ethical values.

Institute Mission

M1: To empower women engineers through innovative teaching-learning practices.

M2: To encourage for higher education and research with well equipped laboratories.

M3: To promote entrepreneurship through creativity and innovation.

M4: To promote environmental sustainability and inculcate ethical, emotional and social consciousness.

DEPARTMENT OF MECHANICAL ENGINEERING

Vision

To evolve as a centre of excellence by adopting innovative methods for teaching, learning and industry outreach services in the diversified fields of Mechanical Engineering.

Mission

M1: Import quality education and reliable training to nurture globally competitive mechanical engineers.

M2: Provide vital state -of -the-art research facilities to create, interpret, apply and disseminate knowledge & skills.

M3: Develop linkage with organizations for in plant trainings for excellence in teaching, research and consultancy services.

M4: To empower the students with technical knowledge in Mechanical Engineering for pursuing higher education for becoming correpreneurs/employees of prominent companies and also motivating them towards research to meet the societal needs.

Program Outcomes

Engineering Graduates will be able to :

POI Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 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.

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.

POS 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, and 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.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

After successful completion of the program, the Graduates will be able to:

PEO1: Graduates will become successful practicing engineers in a wide range of mechanical engineering fields with solid foundation in physical and engineering sciences.

PEO2: Graduates will become contributing members of multi-disciplinary engineering teams; solve real time engineering problems successfully applying the fundamental of engineering analysis and engineering design resulting in significant societal development.

PEO3: Graduates who are interested and qualified will achieve meaningful work by pursuing advance study (or) alternate career paths.

PEO4: Graduates will achieve responsible citizenship by undertaking dynamic roles in their community locally, nationally and / or internationally.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: An ability to identify analyse and solve engineering problems relating to thermal Engineering systems together with allied engineering streams.

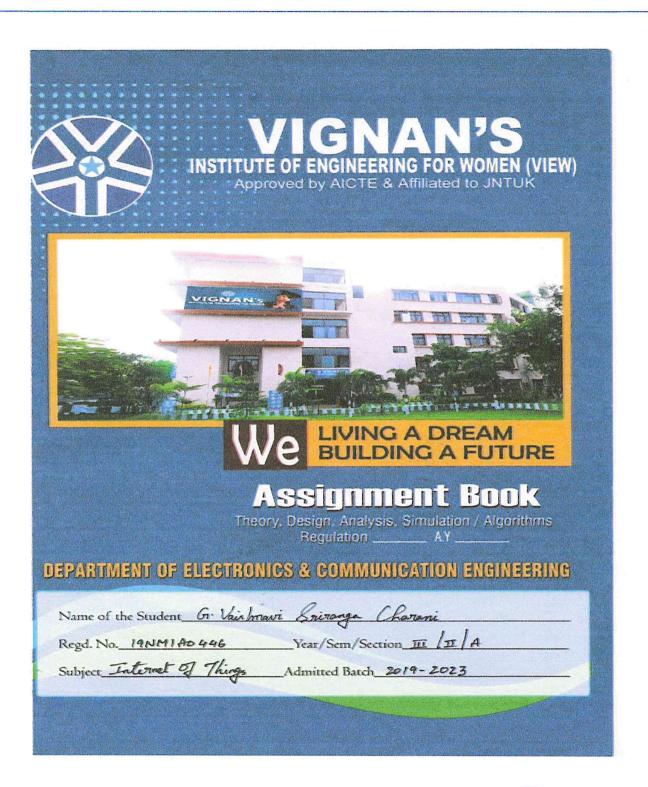
PSO2: An ability to build the nation, by imparting technological inputs and managerial skills to become Technocrats, in build the attitude of developing new concepts on emerging fields of computer Aided Design & Manufacturing and pursuing advanced education.

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Cover Page of Assignment Book - E.C.E

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M4: To promote environmental sustainability and inculcate ethical, emotional and social.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Vision

To emerge as a center of excellence in the field of Electronics & Communication Engineering to produce competent women engineers with ethical values.

Mission

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M1: To train globally employable engineers through effective teaching —learning process, industry ready skills and value-added courses.

M2: To promote higher education and research initiatives through continuous industry interaction and special skill development programs.

M3: To promote ethical values, personality and leadership skills through extra and co-curricular activities.

Program Outcomes

POI Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 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

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POS 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.

POS Ethics: Apply edited principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 Individual and team work: Function effectively us an individual, and as a member or leader in diverse teams, and in multidisciplinary

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, and 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.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Graduates will be able to utilize their updated knowledge and skills to adapt themselves in hardware and software industry to pursue their career successfully.

PEO2: Graduates will be able to augment their proficiency towards higher education and progress in research.

PEO3: Graduates will be able to solve contemporary issues related to society and environment with ethical values.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Exploit the concepts of VLSI and Embedded Systems for the implementation of Real Time Applications.

PSO2: Apply advance algorithms in signal processing, image processing and communication systems to solve complex problems.

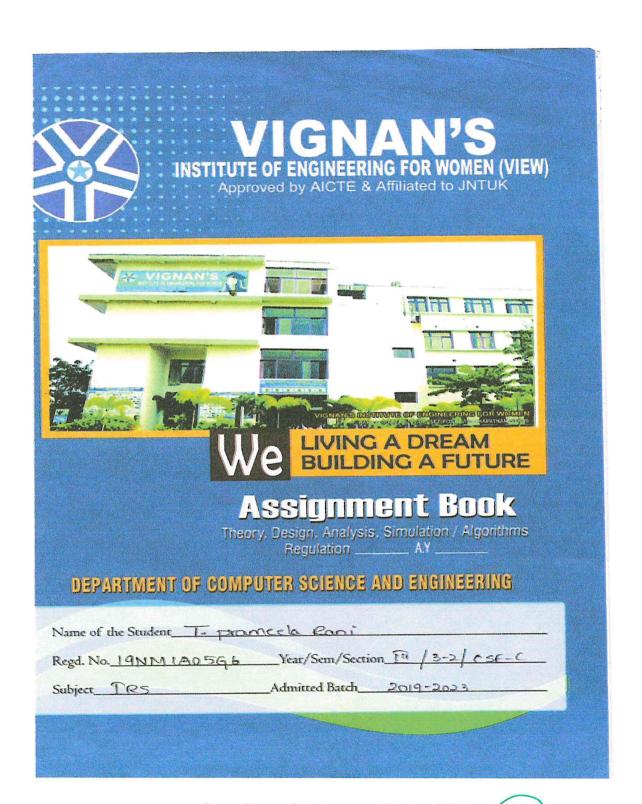
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Monan's Institute of Engineering for Women K.J. Peta, VSEZ (P.O.) Visakhapatnam-49



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Institute Vision

To be a leading institution of women empowerment producing internationally accepted professionals with psychological strength, emotional balance and ethical values.

Institute Mission

- M1: To empower women engineers through innovative teaching-learning practices.
- M2: To encourage for higher education and research with well equipped laboratories.
- M3: To promote entrepreneurship through creativity and innovation.
- M4: To promote environmental sustainability and inculcate ethical, emotional and social.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Vision

To evolve into a centre of excellence and to empower women in emerging areas of Computer Science and Engineering with human values

Mission

- M1: To train students to analyze, design, develop and test software applications.
- M2: To impart technical expertise in sustaining the needs of the IT industry.
- M3: To foster research activities and entrepreneurial skills in emerging technologies.
- M4: To inculeate lifelong learning skills inline with technological advancement and social consciousness.

Program Outcomes

POI Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 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 providentians.

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.

POS 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 susminability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 Ethies: 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, and 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 fearning in the broadest context of technological change.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO1: Lead the diverse range of careers in IT sectors and initiate entrepreneurship in software development.
- PEO2: Excel in higher studies and research in emerging areas of Computer Science Engineering.
- PEO3: Possess continuous learning by adapting to technological trends to help society with ethical values.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Graduates exhibit knowledge of basic sciences, skills in engineering specialization like Information Security, Cloud Computing, Networking, Software Engineering and Data Analytics.

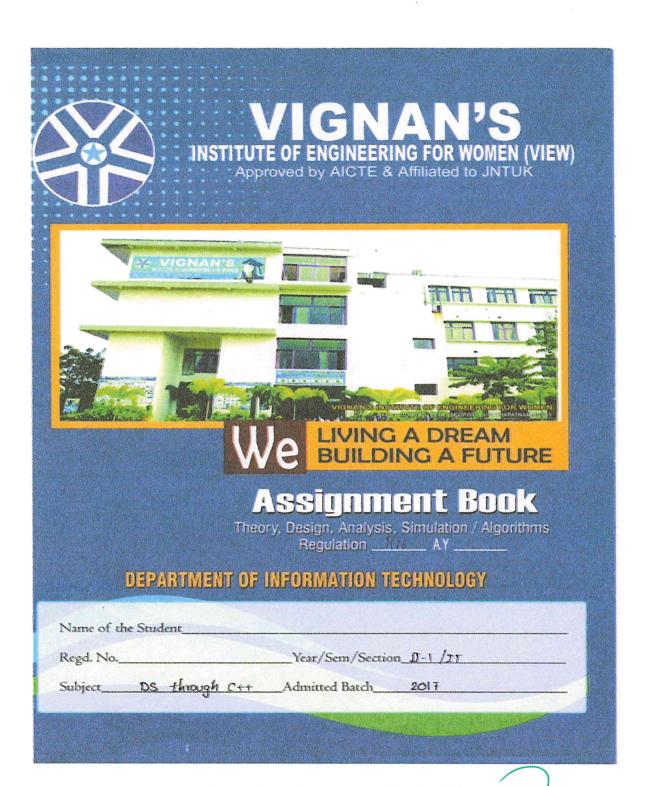
PSO2: Graduates can adapt to evolving technologies for design and development of full stack applications, exploring with optimal programming skills.

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M2: To encourage for higher education and research with well equipped laboratories.

M3: To promote entrepreneurship through creativity and innovation.

M4: To promote environmental sustainability and inculcate ethical, emotional and social consciousness

DEPARTMENT OF INFORMATION TECHNOLOGY

Vision

To evolve into a center of excellence and produce competent women IT professionals with ethics and values towards research, higher education and entrepreneurship.

M1: To empower women engineers with latest skills and technical competency by adopting best practices.

M2: To inspire students towards self-learning, higher education and research with ethics

M3: To encourage innovation, leadership, communication skills and motivate them towards entrepreneurs.

Program Outcomes

Engineering Graduates will be able to:

POI Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization

to the solution of complex engineering problems. PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 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

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.

POS 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

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POS Effices: 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

PO16 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, and give and receive clear instructions.

POH 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.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

After successful completion of the program, the Graduates will be able to:

PEO1: Identify, formulate and develop efficient problem solving skills to meet the needs of current and future industry.

PEO2: Inculcate a passion towards higher education, research, lifelong learning and provide cost effective technological solutions to society.

PEO3: Develop team spirit, logical skills and leadership qualities to become successful engineers and entrepreneurs.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSOI: Graduates will be able to apply the concepts of optimal coding skills on Data Science, Cryptography and Network Security to solve

PSO2: Graduates will be able to Excel in Internet of Things (IoT) and Artificial Intelligence Concepts.

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PRINCIPAL Vignan's Institute of Engineering for Women T. Peta, VSEZ (P.O.)



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VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN

Kapujaggarajupeta, VSEZ (Post), Visakhapatnam -530 049. A.P

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

	Project Course Outcomes
	OUTCOMES
C01	Observe the skills of demonstrating the learning achievements in the field of technology and imbibe the knowledge of effective classroom
	speaking and presentation
CO2	Apply knowledge in building their career fields and face any type of interviews, viva-voice, and aptitude tests.
C03	Elaborate on their communication skills and instructiveness.
C04	Rephrase the uses and application of Electrical machines, Power systems and power electronics domains
C05	Classify the knowledge about the various principles of Electrical and Electronics with the barriers which effects in a professional set up.

Batch 4: 84 Pulse Statomwith VSCConfiguration for Special Applications

со	PO .													
	POI	PO2	PO3	PO4	P05	PO6	PO7	POS	F09	POIO	POII	PO12	PSOL	PSO2
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C03						od o			3	3		3		
C04	3	3	3	3	3	Ä.								3
C05	3	3	3	3	3		3	1	1					3_
Ave	3	3	3	3	3	3	3	3	3	3	3	3		3

CO Vs PO & PSO Mapping

Display of COs in Project Work (EEE)



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VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN Kapujaggarajupeta, VSEZ (P.O), Visakhapatnam -530 049 .A.P

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Project Title: Design of Low Power Latch Based Linear Feedback Shift Register for DSSS
Transmitter

Batch No: A1

Student Names: 1. Basa Niharika Reddy 18NM1A0419

2. Jagarapu Divya

18NM1A0459

3. Bammidi Varshini

18NM1A0414

4. Korubilli Bhavya

18NM1A0421

Project Course Outcomes:

CO1: Formulate and apply mathematical, science and engineering principles for circuit power analysis and hardware utilization.

CO2: Test the existing data, communicate and conduct research using XILINX Vivado Software.

CO3: Validate the obtained results to contemporary issues related to Security

CO4: Demonstrate effectively the engineering principles used in method individually and as a team

CO5: Structure future work to improve performance of DSSS transmitter using advanced design techniques.

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
CO1	3	3	3	2	2	-	-	-	-	-	-	-	3	-
CO2	-	-	3	3	3	2	2	3	-	3	-		3	
CO3	-	-	2	2	2	3	3	3	-	_	_	-	3	
CO4	-	-	-	-	-	2	2	3	3	3	3		3	
CO5	-	-	-	-	2	2	2	-	-	-	3	3	3	-

Display of COs in Project Work (ECE)

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Project Outcome - POs/PSOs Mapping

Batch No: A0

Domain: Image Processing

Project Type: Application

Project Title: Image Sketching Application Using Open CV & Python

CO	Course Outcomes for Student Projects	Relevance to POs /PSOs
CO1	Analyze the various algorithms for image sketching using open CV tools. (K4)	
C02	Analyze and formulate various available techniques for image processing. (K4)	
	Identify the various open-source tools for implementing Image sketching methods (K2)	701 70
	Predict optimal solutions for processing the various features of an image. (K5)	PO1 – PO12 PSO1
	Perceive effective communication skills, professional behavior and teamwork. (K5)	

Project Outcome - POs/PSOs Mapping:

Avg	3.00	3.00	3.00	3.00	3.00	3.00	2.50	3.00	3.00	3.00	2.40	3.00	3.00	
C414.5	3	3	-	3	-	-	3	-	-	3	2	2	-	
	<u>.</u>	3	3	-	3	3	2	3	3	3	2	3	3	
C414.4	-	3		3	3	3	3	3	3	3	3	3	3	-
C414.3	1	2	-	1	-	3	12	3	3	3	2	3	3	-
C414.2	3	3	3	-	3	3	2	-	+	-		J	3	-
C414.1	3	3	3	3	-	3	-	3	3	3	3	2	2	
		FU2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2

Display of COs in Project Work (CSE)

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