An ISO 9001:2015 Certified Institution
PRIYADARSHINI INSTITUTE OF SCIENCE AND TECHNOLOGY FOR WOMEN
(Approved by AICTE, New Delhi and Affiliated to JNTUH Hyderabad)
SaiPrabhath Nagar, Khammam Rural -507003, Khammam Dist., Telangana State.
Website:www.priw.ac.inEmail Id:jks_edu@yahoo.comCell:+91-92466 25050.

Electronics And Communication Engineering

IV Year-I Sem

NETWORK SECURITY AND CRYPTOGRAPHY (PE – IV)
(EC723PE)

Course Outcomes:

Upon completing this course, the student will be able to

1) Describe network security fundamental concepts and principles
2) Encrypt and decrypt messages using block ciphers and network security technology and protocols
3) Analyze key agreement algorithms to identify their weaknesses
4) Identify and assess different types of threats, malware, spyware, viruses, vulnerabilities
5) Identify and assess different types of spyware, viruses, vulnerabilities

MICROWAVE AND OPTICAL COMMUNICATIONS LAB
(EC703PC)

Course Outcomes:

1) Identify and demonstrate the working of various microwave components.
2) Demonstrate the charcteristics of directional couplers.
3) Analyse the microwave measurement procedures
4) Analyse the characteristics of optical sources by conducting experiments and measuring various parameters
5) Design and analyze an optical fiber communication link
6) Demonstrate the losses of optical fiber links

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Principles Of Enterprenuership
(MT701OE)

Course Outcomes:

1) Understand basics of Entrepreneurship. (Knowledge)
2) Explain financing and managing the new ventures. (Application)
3) Understand schemes and functions of different corporations. (Evaluation)
4) Explain industrial final support from different corporations. (knowledge)
5) Describe production and marking management. (Comprehension)

DIGITAL IMAGE PROCESSING (PE – III)
(EC713PE/EI812PE)

Course Outcomes:

Upon completing this course, the student will be able to

1) Explore the fundamental relations between pixels and utility of 2-D transforms in image processer.
2) Understand the enhancement, segmentation and restoration processes on an image.
3) Implement the various Morphological operations on an image
4) Understand the need of compression of basic compression algorithms
5) Understand the need of evaluation of basic compression algorithms.

MICROWAVE AND OPTICAL COMMUNICATIONS (PC)
(EC701PC)

Course Outcomes:

Upon completing this course, the student will be able to

1) Known power generation at microwave frequencies and derive the performance characteristics.
2) realize the need for solid state microwave sources and understand the principles of solid state devices.
3) distinguish between the different types of waveguide and ferrite components, and select proper components for engineering applications
4) understand the utility of S-parameters in microwave component design and learn the measurement procedure of various microwave parameters.
5) Understand the mechanism of light propagation through Optical Fibres.

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PROFESSIONAL PRACTICE, LAW AND ETHICS (PC)
(SM702MS)

Course Outcomes:

1) Understand the importance of professional practice, Law and Ethics in their personal lives and professional careers. (Knowledge)
2) To Understand the importance of professional practice, Law and ethics in personal and professional life. (Knowledge)
3) Understand the rights and responsibilities as an employee, team member and a global citizen (Evaluation)
4) To learn the rights and responsibilities as an employee, team member and a global citizen. (Knowledge)
5) To develop some ideas of the legal and practical aspects of their professional and their role in the society. (Application)

Project Stage – I

Course Outcomes:

1) Select a suitable project making use of the technical and engineering knowledge gained from previous courses with the awareness of impact of technology on the society and their ethical responsibilities.
2) Collect and disseminate information related to selected project. Identify and work with the modern tools required for the implementation of the project.
3) Form a team and distribute the work among them. Communicate technical and general information by means of oral as well as written presentation skills with professionalism.
4) Refine and complete the selected project making use of the technical and engineering knowledge which meets the expected outcome.
5) Acquire problem solving, system integration, project management and documentation skills

principal

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Electronics And Communication Engineering

IV Year-II Sem

SYSTEM ON CHIP ARCHITECTURE (PE – VI
(EC821PE)

Course Outcomes:

1) Expected to understand SOC Architectural features.
2) To acquire the knowledge on processor selection criteria and limitations
3) To acquires the knowledge of memory architectures on SOC.
4) To understands the interconnection strategies and their customization on SOC.
5) To understands the interconnection their customization on SOC

RADAR SYSTEMS (PE – V)
(EC812PE)

Course Outcomes:

Upon completing this course, the student will be able to

1) Derive the complete radar range equation.
2) Understand the need and functioning of CW, FM-CW radars
3) Understand the need and functioning of MTI radars
4) Known various Tracking methods.
5) Derive the matched filter response characteristics for radar receivers.

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Total Quality Management

(MT802OE)

Course Outcomes:

1) Analyze and Understand what total quality management is. (Application)
2) Analyze the concept of customer focus and satisfaction. (Application)
3) Analyze and describe Total Quality Management Organization. (Application)
4) Describe and explain the working principle of Seven Tools of Total Quality Management. (Knowledge)
5) Understand and Discuss the Cost of Quality in total quality management. (Knowledge)

Project Stage – II

Course Outcomes:

6) Select a suitable project making use of the technical and engineering knowledge gained from previous courses with the awareness of impact of technology on the society and their ethical responsibilities.
7) Collect and disseminate information related to selected project. Identify and work with the modern tools required for the implementation of the project.
8) Form a team and distribute the work among them. Communicate technical and general information by means of oral as well as written presentation skills with professionalism.
9) Refine and complete the selected project making use of the technical and engineering knowledge which meets the expected outcome.
10) Acquire problem solving, system integration, project management and documentation skills

Principal