



# PGP COLLEGE OF ENGINEERING AND TECHNOLOGY



(Approved by AICTE & Affiliated to Anna University)

Namakkal - Karur Main Road, Namakkal – 637 207

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E-mail: [engineering@pgpews.com](mailto:engineering@pgpews.com)

Web: <http://www.pgpcet.ac.in/index.php>

2018-2019

CALENDAR

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## **Vision**

To become a world class institute of academic excellence by providing quality education to the students to acquire sound technical knowledge, managerial skills and moral values for the benefit of industry and society as a whole.



## **Mission**

- To provide value based education and impart training to students for building essential and domain based competencies.
- To establish state-of-the-art facilities and resources required to achieve excellence in teaching and learning process.
- To promote research and development and entrepreneurship through industry – institute interaction.
- To produce professionals with strong ethical and cultural values by providing an inspired learning environment.

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# NATIONAL ANTHEM

## Lyrics

Jana-gana-mana-adhinayakajaya he Bharata- bhagya-vidhata

Punjab-Sindhu-Gujarate-Maratha Dravida-Utkala- Banga

Vindhya-Himachala-Yamuna-Ganga

uchchala-jaladhi-taranga

TavaSubha name jage, tavaSubhaashishamaage

gahetavajaya-gatha.

Jana-gana-mangala-dayakajaya he

Bharata-bhagya-vidhata.

Jaya he, Jaya he, Jaya he, jaya jaya jaya jaya he

- Rabindranath Tagore

## National Anthem Explanation

Thou art, the ruler of our minds, of all people

The dispenser of India's destiny!

Thy name rouses the heart of Punjab, Sindh, Gujarat

and Maratha, of the Dravida and Odisha

and Bengal; It echoes in the hills of Vindhya and the

Himalayas, and mingles in the music of Ganga and Yamuna and is

chanted by the waves of the Indian sea.

The pray for thy blessings and sing thy praise.

The saving of all people waits in thy hands,

Thou dispenser of India's destiny.

Victory, Victory, Victory to thee

- Rabindranath Tagore

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## Personal Memoranda

Name : .....

Roll No. : .....

Class : .....

Address : .....

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.....

..... Pincode: .....

Phone : .....

Residential Address: .....

.....

.....

..... Pincode .....

Phone : .....

E-Mail ID : .....

Date of Birth : .....

Height : ..... Weight:.....

Blood Group : .....

Car / Two Wheeler

No. : .....

Hostel Phone No. : .....

## College Information

College	:PGP College of Engineering and Technology
Approval / Affiliation	:AICTE & Affiliated to Anna University
Managing Trustee	:PGP Educational and Welfare Society
Chairman	:Dr. Palani G Periasamy
Vice-Chairman	:Mrs. Visalatchi Periyasamy
Principal	:Dr. M. Akila
College Phone	:04286-267404
Hostel Phone	:04286-267993
Office Timings	:09.00 am – 04.35 pm
Nearest Post Office	:Paramathi Post Office
Bank	:Indian Bank, Paramathi Branch, Namakkal
Website	:www.pgpcet.ac.in

### Administrative Office

Address	:PGP HOUSE, No.57, Sterling Road, Nungambakkam, Chennai-600034.
E-mail ID	:engineering@pgpews.com
Phone No.	:044-28254176
Fax	:044-28232074

## **Courses offered**

### **B.E. / B.Tech DEGREE PROGRAMMES**

(4 YEARS FULL TIME)

- B.E. Civil Engineering
- B.E. Computer Science and Engineering
- B.E. Electronics and Communication Engineering
- B.E. Electrical and Electronics Engineering
- B.E. Mechanical Engineering
- B.E. Electronics and Instrumentation Engineering

### **POST GRADUATE DEGREE PROGRAMMES**

(FULL TIME)

- M.E. – Communication Systems - 2 Years
- M.E. – Computer Science and Engineering - 2 Years
- M.E. – Engineering Design - 2 Years
- M.E. – Power Electronics and Drives - 2 Years
- M.E. – Structural Engineering - 2 Years
- M.E. – VLSI Design - 2 Years
- MBA (Master of Business Administration) - 2 Years
- MCA (Master of Computer Applications) - 3 Years

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# COURSES OFFERED

## Governing Council Members

### **Dr. Palani G Periasamy**

Chairman

PGP Educational and Welfare Society

PGP House, No.57, Sterling Road

Nungambakkam. Chennai – 600 034

### **Mrs. Visalakshi Periasamy**

Vice-Chairman

PGP Educational and Welfare Society

PGP House, No.57, Sterling Road

Nungambakkam, Chennai – 600 034

### **Mr. M.Ganapathy, IFS (Rtd)**

Correspondent

PGP Educational Institutions

Namakkal – 637 207

### **Mr. Ramalingam**

Managing Director

Dharani Sugars and Chemicals

Chennai

### **Dr. Udaykumar R.Yaragatti**

Director,

MNIT, Jaipur – 302 017

### **Mr. S.Shyamsundhar**

Senior General Manager – HRD

Brakes India private Limited

Padi, Chennai – 600 050

### **Dr. K.Periasamy**

Dean (Academic Affairs)

PGP College of Engineering and

Technology Namakkal - 637 207

### **Mr. K.Kandasamy**

Secretary

PGP Educational and Welfare Society

PGP House, No.57, Sterling Road

Nungambakkam, Chennai – 600 034

### **Dr. S.Muthu**

Advisor

PGP Educational Institutions

Namakkal – 637 207

### **Dr. R.Joseph Xavier**

Educationist

7/112A, Puthunagaram

EB Colony, Kuniimuthur (PO)

Coimbatore – 641 008

### **Mr.Deepak Bhardwaj**

Vice President – Strategy, Investments

& Corporate Affairs, 24th Floor, DLF

Two Horizon Center, Golf Course Road,

Sector 43, Gurgaon – 122 009

### **Mr. Ved Prakash**

Project Engineering Manager

Alstom Transport India Limited

C.V. Raman Nagar Bengaluru – 560 093

### **Mr. K.Saravanakumar**

HoD/CSE

PGP College of Engineering and

Technology Namakkal - 637 207



**Dr. M. Akila**  
Principal  
PGP College of Engineering and Technology, Namakkal - 637 207

**SUBJECTS OF STUDY**

**B.E. DEGREE**

**ANNA UNIVERSITY**

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**PROGRAMME OUTCOMES (PO) FOR ALL UG PROGRAMMES**

- PO1 : **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 analyse 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 modelling 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.

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- 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

## DEPARTMENT OF CIVIL ENGINEERING

### VISION

To become a world class centre for Civil Engineering education, producing engineers having domain knowledge and potential for research, who will be able to practice ethical and human values in the profession, with an ultimate aim to serve the humanity.

### MISSION

- To produce value driven Civil Engineers and Architects by enhancing the understanding of theoretical concepts with a focus on professional practice.
- To build a team of civil engineers who can induce transformation of the society by adopting theoretical and field oriented teaching – learning exercise and utilizing the resources.

- To promote research and development and create opportunities for self-employment by sharing the expertise of consulting civil engineers and architects in dealing with real life problems associated with the industry.
- To provide knowledge based Civil engineering services for the welfare of the society by imparting broad set of technical skills and attitude meeting the global standards.

## PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- PEO1 : Knowledge: Possess a military of fundamental knowledge, problem solving skills, engineering application abilities and design capabilities for advancement in their career.
- PEO2 : Profession: Practice the Civil Engineering profession with ethical standards in executing Civil Engineering and multi-disciplinary projects on a global level.
- PEO3 : Self-Learning: Adopt the modern technology by incorporating social, economic and environmental values through life-long learning with effective team work, communication skills and leadership.

## REGULATION 2017

SEMESTER I	SEMESTER II
<b>Theory</b>	<b>Theory</b>
Communication English	Technical English
Engineering Mathematics - I	Engineering Mathematics - II
Engineering Physics	Physics for Civil Engineers
Engineering Chemistry	Basic Electrical and Electronics Engineering
Problem Solving & Python Programing	Environmental Science & Engineering
Engineering Graphics	Engineering Mechanics
<b>Practical</b>	<b>Practical</b>
Computer Practice Laboratory	Engineering Practices Laboratory
Engineering Practice Laboratory	Computer Aided Building Drawing
Physics & Chemistry Laboratory - I	

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**SEMESTER III****Theory**

Transforms and Partial Differential Equations

Strength of Materials I

Fluid Mechanics

Surveying

Construction Materials

Engineering Geology

**Practical**

Construction Materials Laboratory

Surveying Laboratory

Interpersonal Skills / Listening and Speaking

**SEMESTER IV****Theory**

Numerical Methods

Construction Materials

Strength of Materials

Applied hydraulic Engineering

Surveying II

Soil Mechanics

**Practical**

Strength of Materials Laboratory

Hydraulic Engineering Laboratory

Survey Practical II

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**REGULATION 2013****SEMESTER V****Theory**

Structural Analysis I

Foundation Engineering

Environmental Engineering I

Highway Engineering

Design of Reinforced Concrete Elements

Construction Techniques, Equipment and Practical

**Practical**

Communication Skills Laboratory Based

**SEMESTER VI****Theory**

Design of Reinforced Concrete &amp; Brick Masonry Structures

Structural Analysis II

Design of Steel Structures

Railway, Airport &amp; Harbour Engineering

Environmental Engineering II

Elective I

**Practical**

Environmental Engineering Laboratory

Soil Mechanics Laboratory

Concrete and Highway  
Engineering Laboratory

Survey Camp\*

\* Survey Camp to be conducted for a  
period of two weeks during 4th  
Semester Summer Vacation

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**ELECTIVE - I**

Hydrology

Architecture

Concrete Technology

Professional Ethics in Engineering

Remote Sensing Techniques and GIS

Construction Planning and  
Scheduling

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**SEMESTER VII**

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**SEMESTER VIII**

Theory

Theory

Structural Dynamics and Earthquake  
Engineering

Principles of Management

Pressurised Concrete Structures

Elective IV

Water Resources and Irrigation  
Engineering

Elective V

Estimation and Quantity Surveying

Elective II

Elective III

Practical

Practical

Computer Aided Design and Drafting  
Laboratory

Project Work

Design Project

Survey Camp\*

\* Survey Camp to be conducted for a  
period of two weeks during 4th  
Semester Summer Vacation

**ELECTIVE - II**

**ELECTIVE - III**

Traffic Engineering and Management

Environmental Impact Assessment

Housing Planning and Management

Industrial Waste Management

Groundwater Engineering

Air Pollution Management

Water Resources Systems Analysis

Pavement Engineering

#### **ELECTIVE - IV**

Bridge Structures

Storage Structures

Tall Buildings

Prefabricated Structures

Experimental Analysis of Stress

Total Quality Management

Human Rights

Municipal Solid Waste  
Management

Ground Improvement Techniques  
Disaster Management

#### **Elective - V**

Computer Aided Design of  
Structures

Industrial Structures

Finite Element Techniques

Repair and Rehabilitation of  
Structures

Earthquake Geotechnical  
Engineering

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## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **VISION**

To become a centre of excellence in Computer Science and Engineering, producing quality hardware and software engineers, who can adopt best practices in technical education and research to derive meaningful solutions to problems in industry and society.

### **MISSION**

- To produce competent computer professionals through a technology enabled learning process and fundamental research.
- To build a strong team of engineers utilizing all the resources and adopting innovative teaching – learning practices.
- To mould the students in research and development and entrepreneurship through industrial training and industry linked projects.

- To inculcate professional behavior among the students so as to apply their knowledge and exposure for the upliftment of mankind.

## PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- PEO1 : Graduates of Computer Science and Engineering Programme will have successful technical / professional career.
- PEO2 : Graduates of Computer Science and Engineering Programme will continue to learn and adapt in a world of constantly evolving technology.
- PEO3 : Graduates of Computer Science and Engineering Programme are proficient and competent with sound knowledge, skills and attitudes that will allow them to make tangible contributions, meet new technological challenges, contribute effectively as team members, and be innovators in computer hardware, software, design, analysis and applications for the real-life problems.

## REGULATION 2017

SEMESTER I	SEMESTER II
<b>Theory</b>	<b>Theory</b>
Communication English	Technical English
Engineering Mathematics - I	Engineering Mathematics - II
Engineering Physics	Physics for Information Science
Engineering Chemistry	Basic Electrical, Electronics and Measurement Engineering
Problem Solving & Python Programing	Environmental Science & Engineering
Engineering Graphics	Programing in C
<b>Practical</b>	<b>Practical</b>
Computer Practice Laboratory	Engineering Practices Laboratory

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Engineering Practice Laboratory    C Programing Laboratory  
Physics & Chemistry Laboratory

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**SEMESTER III**

**Theory**

Discrete Mathematics  
Digital Principles and System Design  
Data Structures  
Object Oriented Programming  
Communication Engineering

**Practical**

Data Structures Laboratory  
Object Oriented Programming Laboratory  
Digital Systems Laboratory  
Interpersonal Skills / Listening and  
Speaking

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**SEMESTER IV**

**Theory**

Probability and Queueing Theory  
Computer Networks  
Operating Systems  
Design and Analysis of Algorithm  
Microprocessor and Microcontroller  
Software Engineering

**Practical**

Network Laboratory  
Microprocessor and Microcontroller  
Laboratory  
Operating System Laboratory

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**REGULATION 2013**

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**SEMESTER V**

**Theory**

Discrete Mathematics  
Internet Programming  
Object Oriented Analysis and  
Design  
Theory of Computation  
Theory of Computation

**Practical**

Case Tools Laboratory

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**SEMESTER VI**

**Theory**

Distributed Systems  
Mobile Computing  
Compiler Design  
Digital System Processing  
Artificial Intelligence  
Elective I

**Practical**

Mobile Application Development  
Laboratory



Internet Programming Laboratory

Computer Graphics Laboratory

Compiler Laboratory

Communication and Soft Skills -  
Laboratory Based

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**ELECTIVE - I**

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C# and .Net programming

Total Quality Management

Software Testing

Data Warehousing and Data  
Mining

Network Analysis and  
Management

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**SEMESTER VII**

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**Theory**

Cryptography and Network  
Security

Graph Theory and Applications

Grid and Cloud Computing

Resource Management  
Techniques

Elective II

Elective III

**Practical**

Security Laboratory

Grid and Cloud Computing  
Laboratory

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**SEMESTER VIII**

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**Theory**

Multi – Core Architectures and  
Programming

Elective IV

Elective V

**Practical**

Project Work

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**ELECTIVE - II**

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Ad hoc and Sensor Networks

Cyber Forensics

Advanced Database Systems

Bio Informatics

Service Oriented Architecture

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**Elective - III**

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Digital Image Processing

Embedded and Real Time  
Systems

Game Programming

Information Retrieval

Data Analytics

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**ELECTIVE - IV**

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Human Computer Interaction

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**Elective - V**

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Software Project Management

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Nano Computing

Professional Ethics in  
Engineering

Knowledge Management

Natural Language Processing

Social Network Analysis

Soft Computing

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## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **VISION**

To become a most sought after destination for technical education in the domain of Electronics and Communication Engineering, developing a team of engineers possessing technical expertise, human values and professional ethics, facilitating research for the benefit of industry and society.

### **MISSION**

- To produce Electronics and Communication Engineering graduates empowered to meet the growing challenges in the world through classical education process and applied research.
- To build a community of engineers in Electronics and Communication engineering by utilizing the available updated resources and implementing innovative methods of teaching and learning exercise.
- To motivate the students to involve in research and development in the area of communication engineering and train them to become entrepreneurs through the participation of industry.
- To impart industrial and managerial skills to students so as to adopt appropriate technology for the welfare of the people.

### **PROGRAMME EDUCATIONAL OBJECTIVES (PEO)**

PEO1 : To enable graduates to pursue research, or have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs.

- PEO2 : To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity.
- PEO3 : To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.

## REGULATION 2017

SEMESTER I	SEMESTER II
<b>Theory</b>	<b>Theory</b>
Communication English	Technical English
Engineering Mathematics - I	Engineering Mathematics - II
Engineering Physics	Physics for Electronics Engineering
Engineering Chemistry	Basic Electrical, Electronics and Measurement Engineering
Problem Solving & Python Programming	Circuit Analysis
Engineering Graphics	Electronic Devices
<b>Practical</b>	<b>Practical</b>
Problem Solving and Python Programming Laboratory	Engineering Practices Laboratory
Physics & Chemistry Laboratory	Circuits and Devices Laboratory
SEMESTER III	SEMESTER IV
<b>Theory</b>	<b>Theory</b>
Transforms and Partial Differentiation Equations	Probability and Random Processes
Electrical Engineering and Instrumentation	Electronic Circuits II
Digital Electronics	Communication Theory
Signals and Systems	Electromagnetic Fields
Electronic Circuits I	Linear integrated Circuits
	Control System Engineering
<b>Practical</b>	<b>Practical</b>

Analog and Digital Circuit Laboratory

OOPS and Data Structures Laboratory

Interpersonal Skills / Listening and Speaking

Circuit and Simulation  
Integrated Laboratory

Linear Integrated Circuit  
Laboratory

Electrical Engineering and  
Control system Laboratory.

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## REGULATION 2013

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### SEMESTER V

#### Theory

Digital Communication

Principles of Digital Signal Processing

Transmission Lines and Wave Guides

Environmental Science and Engineering

Microprocessor and Microcontroller

#### Practical

Digital Signal Processing Laboratory

Communication System Laboratory

Microprocessor and Microcontroller  
Laboratory

### SEMESTER VI

#### Theory

Principles of Management

Computer Architecture

Computer Networks

VLSI Design

Antenna and Wave propagation

Elective I

#### Practical

Computer Networks Laboratory

VLSI Design Laboratory

Communication and Soft Skills -  
Laboratory Based.

### SEMESTER VII

#### Theory

RF and Microwave Engineering

Optical Communication and Networks

Embedded and Real Time Systems

Satellite Communication

Elective III

#### Practical

Embedded Laboratory

### SEMESTER VIII

#### Theory

Wireless Communication

Wireless Networks

Elective V

Elective VI

#### Practical

Project Work

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Optical and Microwave Laboratory  
RF and Microwave Engineering

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**ELECTIVE - II**

Satellite Communication

Electronic Testing

Avionics

Soft Computing

Digital Image Processing

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**ELECTIVE - IV**

CMOS Analog IC Design

Advanced Microprocessors

Cognitive Radio

Radar and Navigational Aids

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**Elective - III**

Speech Processing

Web Technology

Advanced Computer  
Architecture

Electronics Packaging

Electro Magnetic Interference

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**Elective - V**

RF System Design

Ad hoc and Sensors Networks

Indian Constitution and Society

Disaster Management

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING  
VISION**

To become a world class centre of learning in Electrical and Electronics Engineering, producing quality engineers who will be able to practice the profession with technical and managerial skills embedded with ethical and human values, so as to face challenges in industry and ultimately benefit the society.

**MISSION**

- To build a strong centre of learning and research in Electrical and Electronics Engineering through a systematic education process and core research.

- To produce quality engineers with managerial skills specialized in the domain area by utilizing the infrastructure and human resources and adopting outcome based teaching – learning process.
- To encourage the students to participate in research and development activities in the area of energy engineering and also promote entrepreneurship through industry linked initiatives.
- To create, a pool of globally recognized professionals imbued with human values to serve the society by integrating skill development programmes and ethical principles.

### **PROGRAMME EDUCATIONAL OBJECTIVES (PEO)**

- PEO1 : To prepare students for successful technical and professional careers in their chosen fields.
- PEO2 : Graduates will be able to develop a career in the core as well as in software industry and also pursue research associated with Electrical and Electronics Engineering.
- PEO3 : To engross in life long process of learning to keep themselves abreast of new developments in the field of Electrical and Electronics and their applications in power engineering.

### **REGULATION 2017**

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#### **SEMESTER I**

##### **Theory**

Communication English  
 Engineering Mathematics - I  
 Engineering Physics  
 Engineering Chemistry  
 Problem Solving & Python Programming  
 Engineering Graphics

##### **Practicals**

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#### **SEMESTER II**

##### **Theory**

Technical English  
 Engineering Mathematics - II  
 Physics for Civil Engineers  
 Basic civil and Mechanical Engineering  
 Environmental Science & Engineering  
 Circuit Theory

##### **Practicals**

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Computer Practice Laboratory  
Engineering Practice Laboratory  
Physics & Chemistry Laboratory - I

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Engineering Practices  
Laboratory  
Electric Circuits Laboratory

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**SEMESTER III**

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Theory  
Transforms and Partial Differential Equation  
Digital Logic Circuits  
Electromagnetic Theory  
Environmental Science and Engineering  
Electronic Devices and Circuits  
Linear Integrated Circuits and Applications  
Practicals  
Electronics Laboratory  
Linear and Digital Integrated Circuits  
Laboratory  
Interpersonal Skills / Listening and Speaking

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**SEMESTER IV**

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Theory  
Numerical Methods  
Electrical Machines - I  
Object Oriented  
Programming  
Transmission and  
Distribution  
Discrete Time Systems and  
Signal Processing  
Measurements and  
Instrumentation  
Practicals  
Object Oriented  
Programming Laboratory  
Electrical Machines  
Laboratory - I

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**REGULATION 2013**

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**SEMESTER V**

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Theory  
Power System Analysis  
Microprocessors and Microcontrollers  
Power Plant Engineering  
Power Electronics  
Electrical Machines - II

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**SEMESTER VI**

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Theory  
Communication Engineering  
Solid State Drives  
Embedded Systems  
Power System Operation  
and Control  
Design of Electrical  
Machines

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Control Systems	Elective I
Practicals	Practicals
Control and Instrumentation Laboratory	Power Electronics and Drives Laboratory
Communication and Soft Skills- Laboratory Based	Microprocessors and Microcontrollers Laboratory
Electrical Machines Laboratory - II	Presentation Skills and Technical Seminar
<b>ELECTIVE - I</b>	
Visual Languages and Applications	Power System Transients
Advanced Control System	Optimisation Techniques
<b>SEMESTER VII</b>	
<b>Theory</b>	<b>SEMESTER VIII</b>
High Voltage Engineering	<b>Theory</b>
Protection and Switchgear	Electric Energy Generation, Utilization and Conservation
Special Electrical Machines	Elective – IV
Principles of Management	Elective – V
Elective II	
Elective III	
Power System Simulation Laboratory	Project Work
<b>ELECTIVE - II</b>	
Fibre Optics and Laser Instruments	<b>Elective - III</b>
Biomedical Instrumentation	Fundamentals of Nanoscience
Flexible AC Transmission Systems	System Identification and Adaptive Control
Power Quality	Micro Electro Mechanical Systems
Applied Soft Computing	Microcontroller Based System Design
<b>ELECTIVE - IV</b>	
	<b>Elective - V</b>



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Power Electronics for Renewable Energy Systems  
High Voltage Direct Current Transmission  
Power System Dynamics  
Principles of Robotics  
Disaster Management

Professional Ethics in Engineering  
Total Quality Management  
Advanced Digital Signal Processing  
Computer Aided Design of Electrical Apparatus  
VLSI Design  
Human Rights

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## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **VISION**

To become a preferred destination for quality and value based education in Mechanical Engineering, generating employable engineers and successful entrepreneurs who can practice professional ethics and human values and serve as responsible citizens for the benefit of society.

### **MISSION**

- To produce employable Mechanical Engineers through a system of learning practice satisfying the students, teachers and industry.
- To produce engineers and intellectuals possessed with leadership qualities through an effective utilization of all possible resources upgraded from time to time.
- To facilitate research and development as well as entrepreneurship through professional training by experts from industry and institutions of national importance.
- To get involved in values enabled professional career so as to look upon India as a most favored nation for global investment and thereby benefit the society.

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## PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- PEO1 : Have a successful career in Mechanical Engineering and allied industries.
- PEO2 : Have expertise in the areas of Design, Thermal, Materials and Manufacturing.
- PEO3 : Contribute towards technological development through academic research and industrial practices.
- PEO4 : Practice their profession with good communication, leadership, ethics and social responsibility.
- PEO5 : Graduates will adapt to evolving technologies through life-long learning.

## REGULATION 2017

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### SEMESTER I

#### Theory

Communication English  
Engineering Mathematics - I  
Engineering Physics  
Engineering Chemistry  
Problem Solving & Python Programming  
Engineering Graphics

#### Practicals

Computer Practice Laboratory  
Engineering Practice Laboratory

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### SEMESTER II

#### Theory

Technical English  
Engineering Mathematics - II  
Physics for Civil Engineers  
Basic electrical electronics and instrumentation engineering  
Environmental Science & Engineering  
Engineering Mechanics

#### Practicals

Engineering Practices Laboratory  
Basic electrical electronics

	and instrumentation engineering
Physics & Chemistry Laboratory - I	
<b>SEMESTER III</b>	<b>SEMESTER IV</b>
<b>Theory</b>	<b>Theory</b>
Transforms and Partial Differential Equation	Statistics and Numerical Methods
Strength of Materials	Kinematics of Machinery
Engineering Thermodynamics	Manufacturing Technology– II
Fluid Mechanics and Machinery	Engineering Materials and Metallurgy
Manufacturing Technology - I	Environmental Science and Engineering
Electrical Drives and Controls	Thermal Engineering
<b>Practicals</b>	<b>Practicals</b>
Manufacturing Technology Laboratory - I	Manufacturing Technology Laboratory–II
Fluid Mechanics and Machinery Laboratory	Thermal Engineering Laboratory - I
Electrical Engineering Laboratory	Strength of Materials Laboratory

### REGULATION 2013

<b>SEMESTER V</b>	<b>SEMESTER VI</b>
<b>Theory</b>	<b>Theory</b>
Computer Aided Design	Design of Transmission Systems
Heat and Mass Transfer	Principles of Management
Design of Machine Elements	Automobile Engineering
Metrology and Measurements	Finite Element Analysis
Dynamics of Machines	Gas Dynamics and Jet Propulsion
Professional Ethics in Engineering	Elective I

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**Practicals**

Dynamics Laboratory

Thermal Engineering Laboratory-II

Metrology and Measurements Laboratory

**ELECTIVE - I**

Marketing Management

Quality Control and Reliability Engineering

Refrigeration and Air conditioning

**Practicals**

C.A.D. / C.A.M. Laboratory

Design and Fabrication Project

Presentation Skills and  
Technical Seminar**SEMESTER VII****Theory**

Power Plant Engineering

Mechatronics

Computer Integrated Manufacturing  
Systems

Total Quality Management

Elective II

Elective III

**Practical**

Simulation and Analysis Laboratory

Mechatronics Laboratory

**ELECTIVE - II**

Design of Jigs, Fixtures and Press Tools

Process Planning and Cost Estimation

Composite Materials and Mechanics

Welding Technology

Energy Conservation and Management

Disaster Management

**SEMESTER VIII****Theory**

Engineering Economics

Elective – IV

Elective – V

**Practical**

Project Work

**Elective - III**

Robotics

Fundamentals of Nanoscience

Thermal Turbo Machines

Maintenance Engineering

Micro Electro Mechanical  
Systems

Hydraulics and Pneumatics

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**ELECTIVE - IV**

Production Planning and Control  
Entrepreneurship Development  
Design of Pressure Vessels and Piping  
Computational Fluid Dynamics  
Operations Research  
Human Rights

**Elective - V**

Advanced I.C. Engines  
Design of Heat Exchangers  
Additive Manufacturing  
Non Destructive Testing and  
Materials  
Vibration and Noise Control  
Human Rights

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**SUBJECTS OF STUDY**

**M.E. DEGREE  
ANNA UNIVERSITY**

**M.E. COMMUNICATION SYSTEMS  
REGULATION 2017**

<b>SEMESTER I</b>	<b>SEMESTER II</b>
<b>Theory</b> Applied Mathematics for Electrical Engineers Advanced Digital Principles and Design Microcontroller Based System Design Design of Embedded Systems Problem Solving & Python Programing Software for Embedded Systems	<b>Theory</b> Real Time Operating Systems Pervasive Devices and Technology RISC Processor Architecture and Programming Internet of Things Professional Elective II Professional Elective III
<b>Practical</b> Embedded System Lab I	<b>Practical</b> Embedded System Lab II
<b>SEMESTER III</b>	<b>SEMESTER IV</b>
<b>Theory</b> Professional Elective IV Professional Elective V Professional Elective VI	<b>Theory</b>
<b>Practical</b> Project Work Phase I Technical Seminar	<b>Practical</b> Project Work Phase II

**M.E VLSI DESIGN  
REGULATION 2017**

<b>SEMESTER I</b>	<b>SEMESTER II</b>
<b>Theory</b>	<b>Theory</b>
Applied Mathematics for Electronics Engineers	Testing of VLSI Circuits
Advanced Digital System Design	VLSI Signal Processing
CMOS Digital VLSI Design	Low Power VLSI Design
DSP Integrated Circuits	Professional Elective I
CAD for VLSI Circuits	Professional Elective II
Analog IC Design	Professional Elective III
<b>Practical</b>	<b>Practical</b>
VLSI Design Laboratory I	VLSI Design Laboratory II
	Term Paper Writing and Seminar
<b>SEMESTER III</b>	<b>SEMESTER IV</b>
<b>Theory</b>	<b>Theory</b>
Analog to Digital Interfaces	
Professional Elective IV	
Professional Elective V	
<b>Practical</b>	<b>Practical</b>
Project Work Phase I	Project Work Phase II

## M.E POWER ELECTRONICS DRIVES

### REGULATION 2017

<b>SEMESTER I</b>	<b>SEMESTER II</b>
<b>Theory</b>	<b>Theory</b>
Applied Mathematics for Electrical Engineers	Analysis and Design of Inverters
Power Semiconductor Devices	Solid State Drives
Analysis of Electrical Machines	Special Electrical Machines
Analysis and Design of Power Converters	Power Quality

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System Theory

**Practical**

Power Electronics Circuits Lab

Professional Elective II

Professional Elective III

**Practical**

Electrical Drives Laboratory

Mini Project

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**SEMESTER III**

**Theory**

Professional Elective IV

Professional Elective V

Professional Elective VI

**Practical**

Project Work Phase I

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**SEMESTER IV**

**Theory**

**Practical**

Project Work Phase II

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**M.E COMPUTER SCIENCE AND ENGINEERING**  
**REGULATION-2017**

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**SEMESTER I**

**Theory**

Applied Probability and  
Statistics

Advanced Data Structures and  
Algorithms

Advanced Computer

Architecture

Operating System Internals

Advanced Software Engineering

Machine Learning Techniques

**Practical**

Data Structures Laboratory

**SEMESTER II**

**Theory**

Network Design and  
Technologies

Security Practices

Internet of Things

Big Data Analytics

Professional Elective I

Professional Elective II

**Practical**

Data Analytics Laboratory

Term Paper Writing and

Seminar

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**SEMESTER III****Theory**

Professional Elective III

Professional Elective IV

Professional Elective V

**Practical**

Project Work Phase I

**SEMESTER IV****Theory****Practical**

Project Work Phase II

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**ME- ENGINEERING DESIGN****REGULATION 2017****SEMESTER I****Theory**Applied Mathematics for  
Engineers

Engineering Fracture Mechanics

Computer Applications in Design

Quality Concepts in Design

Advanced Finite Element  
Analysis

Professional Elective I

**Practical**

CAD Laboratory

Advanced Analysis and

Simulation Laboratory

**SEMESTER II****Theory**Mechanisms Design and  
SimulationMechanical Behavior of  
Materials

Integrated Mechanical Design

Vibration Analysis and Control

Professional Elective II

Professional Elective III

**Practical**

Vibration Laboratory

Design Project

**SEMESTER III****Theory**

Product Lifecycle Management

Professional Elective IV

Professional Elective V

**Practical****SEMESTER IV****Theory****Practical**

**MASTER OF BUSINESS ADMINISTRATION (MBA)  
PROGRAMME EDUCATIONAL OBJECTIVES (PEO)**

- PEO1 : To provide students with holistic knowledge, adequate skills and behavioural abilities to productively manage business and also to pursue responsible research endeavours.
- PEO2 : To train students with good business and management breadth to enable them to comprehend, analyse, design and develop innovative products, services and strategies for real life business problems and opportunities.
- PEO3 : To prepare students with ability to create and maintain an organizational environment of excellence, leadership, business ethics and the lifelong learning needed for successful business.

**REGULATION 2017**

**SEMESTER I****Theory**

Principles of Management  
 Statistics for Management  
 Economic Analysis for Business  
 Total Quality Management  
 Organizational Behaviour  
 Legal Aspects of Business  
 Written Communication  
 Accounting for Management

**SEMESTER II****Theory**

Operations Management  
 Financial Management  
 Physics for Information Science  
 Marketing Management  
 Human Resource Management  
 Information Management  
 Applied Operations Research  
 Business Research Methods  
 Professional Skill Development  
 Summer Internship  
**Practical**  
 Data Analysis and Business Modeling

<b>SEMESTER III</b>	<b>SEMESTER IV</b>
<b>Theory</b>	<b>Theory</b>
Enterprise Resource Planning	International Business Management
Strategic Management	Business Ethics, Corporate Social Responsibility and Governance
Elective I	
Elective II	
Elective III	
Elective IV	
Elective V	
Elective VI	
<b>Practical</b>	<b>Practical</b>
Professional Skill Development	Creativity and Innovation
Summer Training	Project Work
<b>ELECTIVE - I</b>	<b>Elective - II</b>
Brand Management	Banking Financial Services Management
Consumer Behavior	Corporate Finance
Customer Relationship Management	Derivates Management
Integrated Marketing Communication	Merchant Banking and Financial Services
Retail Marketing	Security Analysis and Portfolio Management
Services Marketing	Strategic Investment and Financing Decisions
Social Marketing	International Trade Finance
<b>ELECTIVE – III</b>	
Entrepreneurship Development	
Industrial Relations and Labour Welfare	
Labor Legislations	
Managerial Behavior and Effectiveness	

Organizational Theory, Design &  
Development  
Strategic Human Resource  
Management

## **MASTER OF COMPUTER APPLICATIONS (MCA)**

### **PROGRAMME EDUCATIONAL OBJECTIVES (PEO)**

- PEO1 : To excel in problem solving and programming skills in the various computing fields of IT industries.
- PEO2 : To develop the ability to plan, analyse, design, code, test, implement & maintain a software product for real time system.
- PEO3 : To promote students capability to set up their own enterprise in various sectors of Computer applications.
- PEO4 : To experience the students in finding solutions and developing system-based applications for real time problems in various domains involving technical, managerial, economical & social constraints.
- PEO5 : To prepare the students to pursue higher studies in computing or related disciplines and to work in the fields of teaching and research.

## **REGULATION 2017**

<b>SEMESTER III</b>	<b>SEMESTER IV</b>
<b>Theory</b>	<b>Theory</b>
Advanced Data Structures and Algorithms	Resource Management Techniques
Computer Networks	Mobile Computing
Web Programming Essentials	Advanced Databases and Datamining
Programming with Java	Web Application Development
Object Oriented Analysis and Design	Professional Elective - I
<b>Practical</b>	<b>Practical</b>
Data Structures and Algorithms	Mobile Application Development

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Laboratory

Web Programming Laboratory

Digital Systems Laboratory

Programming with Java Laboratory

Laboratory

Web Application Development  
Laboratory

Technical Seminar and Report  
Writing

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## **SEMESTER V**

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### **Theory**

Cloud Computing

Big Data Analytics

Software Testing and Quality  
Assurance

Professional Elective II

Professional Elective III

### **Practical**

Cloud and Big Data Laboratory

Software Testing

Mini Project

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### **Practical**

Project Work

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## GENERAL RULES AND REGULATIONS

### Education at PGCET

In keeping with our mission, the students are given special attention from the first day to perform well in academics and practice a disciplined life. They are taught to face the truth of life through various talks and presentations, seminars, group discussions, public speaking, etc. which, help in all development of the student.

**Dress Code:** The students are expected to follow the dress code as given below to cultivate discipline and follow safety regulations working environment.

Students Category	Class Rooms	Laboratory Uniforms
Male students	Trouser, Shirt, Neatly Tucked in and Shoes	Navy Blue Pant, light Blue Shirt, Neatly Tucked in and Shoes
Female Students	Salwar suit/Churidar with dupatta and Shoes/Cut-Shoes (Slippers, Chappals are not allowed)	Same as for Class room with Navy Blue overcoat

**Attendance and Leave :** 100% attendance is recommended for theory and practical classes. Absenting from college, coming late to the college and avoiding classes are considered as punishable offences. Students should refrain from seeking leave on account of illness like cough and cold, slight fever due to change of weather, etc. Parents are requested to encourage students to attend 100% classes. Seeking leave on flimsy grounds is viewed in bad light. Students absenting for more than three consecutive days without prior permission are imposed with penalties and the parents are informed. The names of the students absenting for more than 15 days without justifiable reason and prior permission are removed from the rolls of the college. They may, however, seek re-admission, if authorities are adequately convinced of the causes of absence.

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Students seeking leave of absence in excess of 2 days shall have their parents present him/her in-person to convince the Principal of the genuineness of the reasons of leave. This shall of course be followed by a letter duly signed. Students securing less than 75% attendance are debarred from appearing for the University Examination.

**Identity Card:** Every student is issued an I D-Card within first two weeks of his/her joining the college. Till a permanent ID-Card is issued, he/she shall carry their fee receipt. The students are expected to have the ID-Card at all times. Thus, it helps them to establish their identity. Students not in possession of ID-Card are liable to be fined. Loss of ID-Card is an offence and each student must report the same immediately. They will be issued with a temporary ID-Card till a permanent card is issued on payment of Rs. 50/-. A student is not permitted to appear in an examination without the possession of ID Card.

**Discipline and Code of conduct :** The institution's pride in having a highly disciplined student community, who miss classes only if the circumstances force them to keep away from the college. It is very rare that a student comes late to the college. The attendance levels generally range between 96% - 98%. It is expected to maintain the same trend. The code of conduct is elaborated in the succeeding paragraphs.

- All students are expected to conduct themselves in an exemplary manner in and outside the campus.
- All students shall exchange greetings with all the members of the faculty and among themselves.
- Smoking and drinking are strictly prohibited inside the campus. Even the possession of alcoholic drinks or narcotic drugs is a punishable offence.
- Students found in an intoxicated state inside or outside the campus are liable to be punished.
- Organizing and/or attending meetings in the campus without prior permission of the Principal is a cognizable offence. Even maintaining contacts with unlawful organizations and the outlaws is a cognizable offence.

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- Students are liable to pay fine towards breakage in the laboratories and workshop. They are liable to be punished for any damages done to the college property.
  - Students are advised to pay their tuition fees, examination fess and other dues on due date. Late payment of fees entails payment with late fee at the rate of Rs 50/- per day. In addition, students run the risk of getting their names removed from the rolls entailing additional expenditure for re-admission.
  - Students are forbidden to deface the walls, the furniture and other property of the college. Violation constitutes punishable offence.
  - The tuition fees once paid is NOT REFUNDABLE. Caution deposit will, however be refunded at the time of issuing the transfer certificate, provided all dues have been cleared.
  - Examination fee may also be adjusted if the students make application sufficiently in advance before the fee is deposited to the university.
  - Speed limit for all vehicles inside the campus is 10 kmph. Students exceeding the same may be apprehended. They are also advised to park their vehicles in an orderly manner in the parking area only.
  - Students are expected to have their meals in the area prescribed for the purpose and NOT inside the classrooms. Having meals inside the classrooms, littering classrooms with chocolate / candy wrappers and other papers is prohibited.
  - The college notice board would display all notices concerning students as and when required. Failure to read notices would not be taken as an excuse for failing to comply with the instructions contained therein.
  - The original certificates deposited by the students at the time of admission would be retuned only at the time of the issue of transfer certificate on production of clearance certificate from all the departments.
  - The principal and the hostel warden have the authority to frame such rules as necessary for the progress of the academic activity and regulating the conduct of the students.
  - Code of conduct in addition to decorum and norms of a cultured society are the basis of governance of an educational institution. Students are expected to cooperate and maintain peace to enable the authorities to help them achieve their goals.



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**Class Tests & Model Examination** : Unlike the education upto Higher Secondary level, the professional college education impresses upon continuous learning process. Three Class Tests, one -Model Theory & Model Practical Examinations are held during each semester before the students go for the University Examination. Results are communicated to the parents within seven days of holding the test to keep them updated with the progress of their ward. Attendance in the tests is compulsory except under exceptional circumstances with the prior permission of the Principal. Those who absent themselves without permission are awarded zero and are not allowed another opportunity.

**Counseling** : In the era of conspicuous glamour, most of the students are confused. They want to have everything but do not know how .The biggest paradox is that they consider learning is easy and access to information is equivalent to acquisition of knowledge.

Student counsellor is available to guide and advise our students. In addition , Class teacher In-charge helps students to wade through their dilemma .

**Scholarship** : GPCET offers merit scholarships to deserving students (two from each branch) besides the SC/ST/MBC scholarships . A student who secures a minimum of 85% marks and stands first or second in his /her branch is awarded this scholarship.

A committee constituted by the Chairman decides the award of scholarship. The scholarship remains effective till the end of 8th semester provided the student continues to score a minimum of 80% marks in subsequent examinations.

**Curricular and extracurricular opportunities** : It is mandatory for every student to become the member of atleast one students body, at NSS/YRC/NSO/NCC . They are also expected to become member of at least one of the professional bodies like institution of Mechanical / Electrical /Electronics Engineers , Computer Society of India (CSI) , Indian Society for Technical Education (ISTE), etc.,

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**Physical Education :** Special emphasis is laid on sports and games. Well laid sports fields like cricket, football, hand ball, kabaddi ,volley ball, basket ball, kho-kho and other gymnastics facilities help students to unwind them self. Exclusively appointed Physical Director encourages and trains students.

**Computer Center :**

The Computer Center is housed in an area of 1000 sq.m. It is the endeavor of the management to periodically update the hardware and software to keep pace with ever changing needs of the industry.

The computer center has been organised into the following specialized laboratory sections.

- |                       |                  |
|-----------------------|------------------|
| ❖ RDBMS Lab           | ❖ Networking lab |
| ❖ Project and R&D lab | ❖ Multimedia Lab |
| ❖ Beginners Lab       | ❖ C & C++ Lab    |
| ❖ Language Lab        |                  |

**Training :**

Training is one of the most important activities in engineering education. Each student is required to undergo 4-6 weeks In-plant training after IV Semester. Although the college is committed to arrange for the In - plant training, yet the students shall make their own arrangements too.

In addition ,a Hardware laboratory has been created to provide students hands-on experience on inside of a CPU (computer)

**Hardware State of the Art Server :**

Net power 7225N ( Rack Mount )- Web /Mail server , File / Database server  
SCO Unix - Unix Server Red Hat Linux 6.1 - Linux server Oracle SQL Server.

**INTERNET :**

A separate internet lab has been established providing facilities for browsing, file downloading, file transfer , e-learning , high end graphics, etc . Students are encouraged to work on individual as well as group projects. Department organizes specialised training programmes in advance areas of computation in collaboration with premier training institutions with connectivity of 100 Mbps facility available.

**MoU with Foreign Universities :**

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The college has signed a Memorandum of Understanding (MoU) with the University of WEST Bohemia(UWB),Czech Republic.

The MoU invites lecturing by a number of faculty members of UWB at PGPCET in the subjects of common interest, it also includes deputation of a selected group of students to UWB for a period of 6-8 weeks extendable to one semester leading to the award of a certificate of proficiency in chosen area. As a part of the exchange program , 21 students of UWB completed one theory and a practical course in PGPCET in Feb - Mar, 2004. We are also working on drawing up MoU with few other foreign universities, which will ensure seat to selected students for higher education without going through usual painful formalities.

This program will immensely enhance employment opportunities of our students.

### **Library**

The college library has numerous volumes of books and journals for the Students to use the library to their best advantage by devoting as much time as possible in the library.

### **Timings**

Working Day	8.00 AM to 7.00PM
Holiday	9.00 AM to 1.00 PM
Book Circulation	9.00AM to 4.30 PM

Our role is to provide access to the information resources required by members of the college for research, learning and teaching. There is a wealth of material to support learning and research at the University level and over 25,000 printed volumes and an extensive range of high quality electronic resources are available. The library has been equipped with 181 E Journals, 180 National, International Journals and Magazines.

### **Rules and Regulations**

- ❖ Strict silence should be observed in the Library.
- ❖ Each student can borrow three books at a time for a period of 15 days. He/She is allowed to get the book renewed for a further period of 15 days provided no other student has placed demand for the same book.
- ❖ Librarian has the authority to recall any book at any time if the conditions so demand.

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- ❖ Late return of books will attract a fine as under:  
Rs. 10/- per book per day
  - ❖ Borrower's tickets are non-transferable. Their use without the ID -Card is not permitted. However, in case a student loses the borrower's ticket she/she must report the loss immediately to the Librarian to avoid misuse of the same.
  - ❖ In the case of the loss of the ticket, the student shall submit an application for the issue of duplicate ticket along with a receipt of Rs. 25/-.
  - ❖ A student who loses a book and does not replace it with a similar copy may be charged twice the cost of the book along with a fine of Rs. 50/-.
  - ❖ Library books must be returned when students go home on vacation.
  - ❖ Students are required to use library books with care. Marking, underlining or annotating in the books is not permitted.
  - ❖ Cell Phones prohibited.

### **Video Lecture Hall**

A well equipped Video conferencing hall is provided for the development of students. NPTEL course material for 165 subjects which consists of lectures by IIT and IISC professors are available. Through this facility the students are exposed to a world class learning experience.

### **Working Hours:**

The college works for five days a week from 9.00AM to 4.35PM with a lunch break of 55 minutes (12.55pm to 1.50pm) there may, however, be a need of holding extra classes depending on the state of completion of the syllabus. The attendance of extra classes is as to regular classes. Students are advised to keep in close touch with their faculty for any extra / special classes.

### **Holidays :**

The calendar lays down the holidays. This issues without prejudice to declaring any holiday as working day and vice versa through a notice.

### **Scholarships for Reserve Category**

Backward class welfare scholarships, Adi - Dravidar welfare scholarships, the national loan scholarships, the state loan scholarships, etc., have been instituted as per the state government rules. Students are advised to make best use of the same and submit the applications on time.

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### **Bank Loans**

A few banks extend education loan up to Rs 7.00 Lakhs at nominal interest rate. Students desirous of availing the same shall submit their application duly signed by their parents for getting the same processed through the bank with ATM facility available.

### **Transport**

Adequate transport facilities have been arranged for students as well as the staff members commuting from neighbouring areas to the campus. In addition to the buses operated by the government and private owners, college buses operate on routes from Rasipuram, Karur, Jaderpalayam, Trichengode, Salem, Erode, Kodumodi and Namakkal to campus. The students can make use of the same on payment of nominal charges.

### **Hostel**

Hostel accommodation for approximately 500 male and 300 female students have been arranged in separate hostels. While preference is given to the students from outstations, even the local students are encouraged to join the hostel. Students desirous of making use of the hostel facilities are advised to approach the office for the needful.

### **Community Radio:**

Govt. of India has sanctioned the establishment of a Community Radio (90.8 MHz) at PGCET. The community radio broadcasts useful Programmes to the surrounding people and also to students.

### **Prohibition:**

**Ragging within and outside the campus of any educational institution is prohibited**

**Prevention of Ragging :** Unless the context otherwise requires, ragging means display of noise, disorderly conduct, doing any act causes physical and psychological harm to raise apprehension or fear or shame or embarrassment to a student in an educational Institution and includes the following :

(a) Teasing, abusing or playing practical jokes on, or causing hurt to such a student

(or)

(b) Asking the student to do any act or perform something, which such a student will not in ordinary course willingly do.

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**Penalty For Ragging:**

(a) Fine up to Rs. 10,000/- and imprisonment for a term extending upto 2 years.

(b) Dismissal from the institute. (Such a student shall not be admitted by any other institute too).

(c) Whenever any student complains of ragging to Head of Institution or to any person responsible for management, such person shall immediately inquire into the same and if found true shall suspend the student, who has committed offence, from the institute. The decision of the Head of the Institute is firm and final.

**RAGGING:**

Ragging is totally prohibited and a punishable offence.

Any student involved in ragging will be punished as per the following Acts:

1. Tamilnadu Prohibition of Ragging Act No. 7 of 1997.
2. Tamilnadu Government Gazette Extraordinary, Dt. 26.7.1999
3. G.O. Ms.No.366 Higher Education (G1) Department, Dt.26.07.99

**Section 4 :**

Whoever directly or indirectly commits, participates in, abets or propagates, penalty for "Ragging" within or outside of educational institution, shall be punished for ragging with imprisonment for a term which may extend upto two years and shall also be liable to a fine which may extend upto Ten thousand rupees.

**Section 5 :**

Any student convicted of an offence under Section 4, shall also be dismissed from the educational institution and such student shall not be admitted in any other educational institution.

## CALENDAR

### June 2018

FRI	1	
SAT	2	Holiday
<b>SUN</b>	<b>3</b>	Holiday
MON	4	
TUE	5	
WED	6	
THUR	7	
FRI	8	
SAT	9	Holiday
<b>SUN</b>	<b>10</b>	Holiday
MON	11	
TUE	12	
WED	13	
THUR	14	
FRI	15	Ramzan (IdulFitr) (Govt Holiday)
SAT	16	Holiday
<b>SUN</b>	<b>17</b>	Holiday
MON	18	
TUE	19	
WED	20	
THUR	21	
FRI	22	
SAT	23	Holiday
<b>SUN</b>	<b>24</b>	Holiday
MON	25	
TUE	26	
WED	27	
THUR	28	
FRI	29	
SAT	30	Holiday

## July 2018

<b>SUN</b>	<b>1</b>	Holiday
MON	2	
TUE	<b>3</b>	
WED	4	Re-opening Day for ODD Semester (All departments)
THUR	5	
FRI	6	HR Summit 2018 (First Edition)
SAT	7	Holiday
<b>SUN</b>	<b>8</b>	Holiday
MON	9	
TUE	10	
WED	11	
THUR	12	HR Meet by MBA
FRI	13	CCM - I (All departments)
SAT	14	Holiday
<b>SUN</b>	<b>15</b>	Holiday
MON	16	
TUE	17	
WED	18	
THUR	19	Internship Review – All departments
FRI	20	Department Association Inauguration (All departments) Guest Lecture for EEE & MECH
SAT	21	Holiday
<b>SUN</b>	<b>22</b>	Holiday
MON	23	Guest Lecture for ECE
TUE	24	
WED	25	International Symposium on “Smart Computing” (All dept.)
THUR	26	International Symposium on “Smart Computing” (All dept.)
FRI	27	
SAT	28	Guest Lecture for CSE
<b>SUN</b>	<b>29</b>	Holiday
MON	30	CIAT - I (All departments)
TUE	31	CIAT - I (All departments)



## August 2018

WED	1	CIAT - I (All departments)
THUR	2	CIAT - I (All departments)
FRI	3	CIAT - I (All departments)
SAT	4	Holiday
<b>SUN</b>	<b>5</b>	Holiday
MON	6	CIAT - I (All departments)
TUE	7	RA Meeting of CIAT - I (All departments)
WED	8	CCM - II (All departments)
THUR	9	
FRI	10	
SAT	11	Guest Lecture for CIVIL
<b>SUN</b>	<b>12</b>	Holiday
MON	13	
TUE	14	
WED	15	Independence Day (Govt Holiday)
THUR	16	Industrial Visit for all years (All departments)
FRI	17	Industrial Visit for all years (All departments)
SAT	18	Industrial Visit for all years (All departments)
<b>SUN</b>	<b>19</b>	Holiday
MON	20	
TUE	21	
WED	22	Bakrid (Govt Holiday)
THUR	23	Seminar by CSE Department
FRI	24	CIAT - II (All departments)
SAT	25	Onam (Govt. Holiday)
<b>SUN</b>	<b>26</b>	Holiday
MON	27	CIAT - II (All departments)
TUE	28	CIAT - II (All departments)
WED	29	CIAT - II (All departments)
THUR	30	CIAT - II (All departments)
FRI	31	CIAT - II (All departments)

## September 2018

SAT	1	Holiday
SUN	2	Krishna Jayanthi Holiday
MON	3	RA Meeting of CIAT - II (All departments)
TUE	4	CCM - III (All departments)
WED	5	Teachers Day Celebration
THUR	6	Two Days Workshop by EEE
FRI	7	Two Days Workshop by EEE
SAT	8	Seminar on Letter Writing and Resume Writing -MBA
<b>SUN</b>	<b>9</b>	Holiday
MON	10	
TUE	11	
WED	12	
THUR	13	VinayakarChathurthi (Govt Holiday)
FRI	14	Holiday
SAT	15	Holiday
<b>SUN</b>	<b>16</b>	Holiday
MON	17	
TUE	18	Two Days Workshop by MECH
WED	19	Two Days Workshop by MECH
THUR	20	Entrepreneurship - Guest Lecture by MBA
FRI	21	Muharram (Govt Holiday)
SAT	22	Seminar Programme by ECE
<b>SUN</b>	<b>23</b>	Holiday
MON	24	CIAT - III (All departments)
TUE	25	CIAT - III (All departments)
WED	26	CIAT - III (All departments)
THUR	27	CIAT - III (All departments)
FRI	28	CIAT - III (All departments)
SAT	29	
<b>SUN</b>	<b>30</b>	Holiday

<b>October 2018</b>		
MON	1	CIAT - III (All departments)
TUE	2	Gandhi Jayanthi (Govt Holiday)
WED	3	RA Meeting of CIAT - II (All departments)
THUR	4	CCM - IV (II, III & IV - All departments)
FRI	5	Model Theory Examination for (All departments)
SAT	6	
<b>SUN</b>	<b>7</b>	Holiday
MON	8	Model Theory Examination (All departments)
TUE	9	Model Theory Examination (All departments)
WED	10	Model Theory Examination (All departments)
THUR	11	Model Theory Examination (All departments)
FRI	12	Model Theory Examination (All departments)
SAT	13	Holiday
<b>SUN</b>	<b>14</b>	Holiday
MON	15	Model Practical Examination (All departments)
TUE	16	Model Practical Examination (All departments)
WED	17	Model Practical Examination (All departments) Last Working Day (All departments)
THUR	18	Ayutha Pooja (Govt Holiday)
FRI	19	Vijaya Dasami (Govt Holiday)
SAT	20	Holiday
<b>SUN</b>	<b>21</b>	Holiday
MON	22	Commencement of AU Examinations
TUE	23	
WED	24	
THUR	25	
FRI	26	
SAT	27	
<b>SUN</b>	<b>28</b>	Holiday
MON	29	
TUE	30	
WED	31	

<b>November 2018</b>		
THUR	1	
FRI	2	
SAT	3	Holiday
<b>SUN</b>	<b>4</b>	Holiday
MON	5	Holiday
TUE	6	Deepavali (Govt Holiday)
WED	7	Holiday
THUR	8	
FRI	9	
SAT	10	
<b>SUN</b>	<b>11</b>	Holiday
MON	12	
TUE	13	
WED	14	
THUR	15	
FRI	16	
SAT	17	Holiday
<b>SUN</b>	<b>18</b>	Holiday
MON	19	
TUE	20	
WED	21	Milad-un-Nabi (Govt Holiday)
THUR	22	
FRI	23	
SAT	24	
<b>SUN</b>	<b>25</b>	Holiday
MON	26	
TUE	27	
WED	28	
THUR	29	
FRI	30	

## December 2018

SAT	1	Holiday
<b>SUN</b>	<b>2</b>	Holiday
MON	3	
TUE	4	
WED	5	
THUR	6	
FRI	7	
SAT	8	Holiday
<b>SUN</b>	<b>9</b>	Holiday
MON	10	
TUE	11	
WED	12	
THUR	13	
FRI	14	
SAT	15	Holiday
<b>SUN</b>	<b>16</b>	Holiday
MON	17	
TUE	18	
WED	19	Re-opening Day for EVEN Semester   Industrial Visit
THUR	20	
FRI	21	
SAT	22	Holiday
<b>SUN</b>	<b>23</b>	Holiday
MON	24	Holiday
TUE	25	Christmas (Govt Holiday)
WED	26	
THUR	27	
FRI	28	
SAT	29	
<b>SUN</b>	<b>30</b>	Holiday
MON	31	Holiday

## January 2019

TUE	1	New Year's Day (Govt. Holiday)
WED	2	
THUR	3	
FRI	4	Industrial Visit by Mech. Engg.
SAT	5	
<b>SUN</b>	<b>6</b>	Holiday
MON	7	
TUE	8	
WED	9	
THUR	10	
FRI	11	
SAT	12	Holiday
<b>SUN</b>	<b>13</b>	Holiday
MON	14	Pongal (Govt. Holiday)
TUE	15	Mattu Pongal (Govt Holiday)
WED	16	Thiruvalluvar Day (Govt Holiday)
THUR	17	UzhavarThirunal (Govt Holiday)
FRI	18	Holiday
SAT	19	Holiday
<b>SUN</b>	<b>20</b>	Holiday
MON	21	Commencement of CIAT – I
TUE	22	Mini Marathon 2019
WED	23	
THUR	24	
FRI	25	
SAT	26	Republic Day (Govt Holiday)
<b>SUN</b>	<b>27</b>	Holiday
MON	28	End of CIAT - I
TUE	29	
WED	30	CCM - I
THUR	31	RA of CIAT - I

<b>February 2019</b>		
FRI	1	
SAT	2	Holiday
<b>SUN</b>	<b>3</b>	Holiday
MON	4	
TUE	5	
WED	6	
THUR	7	
FRI	8	Guest Lecture
SAT	9	Workshop on Resume Writing by MBA
<b>SUN</b>	<b>10</b>	Holiday
MON	11	
TUE	12	Commencement of CIAT – II
WED	13	
THUR	14	
FRI	15	Guest Lecture for MBA   Guest Lecture for Mech. Engg.
SAT	16	Holiday
<b>SUN</b>	<b>17</b>	Holiday
MON	18	End of CIAT - II
TUE	19	
WED	20	CCM - II
THUR	21	RA of CIAT - II
FRI	22	Commencement of CIAT – III   Industrial Visit to Ashok Leyland by MBA
SAT	23	Job Fair 2019 by Hire Mee
<b>SUN</b>	<b>24</b>	Holiday
MON	25	
TUE	26	
WED	27	
THUR	28	

<b>March 2019</b>		
FRI	1	End of CIAT – III
SAT	2	Holiday
<b>SUN</b>	<b>3</b>	Holiday
MON	4	
TUE	5	CCM - III
WED	6	RA of CIAT - III
THUR	7	Outbound Training in Ashok Leyland by MBA
FRI	8	
SAT	9	
<b>SUN</b>	<b>10</b>	Holiday
MON	11	
TUE	12	
WED	13	
THUR	14	
FRI	15	National Level Technical Symposium
SAT	16	Holiday
<b>SUN</b>	<b>17</b>	Holiday
MON	18	
TUE	19	
WED	20	
THUR	21	
FRI	22	World Water Day
SAT	23	Guest Lecture for MBA
<b>SUN</b>	<b>24</b>	Holiday
MON	25	
TUE	26	
WED	27	
THUR	28	
FRI	29	Workshop on Arduino Based Embedded System by EEE
SAT	30	Holiday
<b>SUN</b>	<b>31</b>	Holiday



## April 2019

MON	1	
TUE	2	
WED	3	
THUR	4	
FRI	5	
SAT	6	Holiday
<b>SUN</b>	<b>7</b>	Holiday
MON	8	
TUE	9	
WED	10	
THUR	11	
FRI	12	
SAT	13	
<b>SUN</b>	<b>14</b>	Holiday, Dr. Babasaheb Ambedkar Jayanti, Tamil New Year (Govt Holiday)
MON	15	
TUE	16	
WED	17	Mahavir Jayanthi
THUR	18	Holiday
FRI	19	Good Friday (Govt Holiday)
SAT	20	Holiday
<b>SUN</b>	<b>21</b>	Holiday
MON	22	
TUE	23	
WED	24	
THUR	25	
FRI	26	
SAT	27	
<b>SUN</b>	<b>28</b>	Holiday
MON	29	
TUE	30	

## May 2019

WED	1	May Day (Govt Holiday)
THUR	2	
FRI	3	
SAT	4	
<b>SUN</b>	<b>5</b>	Holiday
MON	6	
TUE	7	
WED	8	
THUR	9	
FRI	10	
SAT	11	Holiday
<b>SUN</b>	<b>12</b>	Holiday
MON	13	
TUE	14	
WED	15	
THUR	16	
FRI	17	
SAT	18	
<b>SUN</b>	<b>19</b>	Holiday
MON	20	
TUE	21	
WED	22	
THUR	23	
FRI	24	
SAT	25	Holiday
<b>SUN</b>	<b>26</b>	Holiday
MON	27	
TUE	28	
WED	29	
THUR	30	
FRI	31	



**Notes**





## **Notes**

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**TIME TABLE – ODD SEMESTER**

CLASS:

SEMESTER: I / III / V/VII

HOUR / DAY	I	II	III	IV	Lunch Break	V	VI	VII	
Monday									
Tuesday									
Wednesday									
Thursday									
Friday									
Saturday									

**TIME TABLE – EVEN SEMESTER**

CLASS :

SEMESTER : II / IV / VI/VIII

HOUR / DAY	I	II	III	IV	Lunch Break	V	VI	VII	
Monday									
Tuesday									
Wednesday									
Thursday									
Friday									
Saturday									