ACADEMIC CALENDAR

NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

ISO 14001:2004 Certified, Accredited by NAAC, Recognized by UGC with 2(F) & 12(B)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.
NBA Accredited UG Courses: AERO | CSE | MECH

ACADEMIC CALENDAR

NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY
T. M. Palayam, Coimbatore-641 105
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC, Recognized by UGC with Section 2(f) and 12(B)

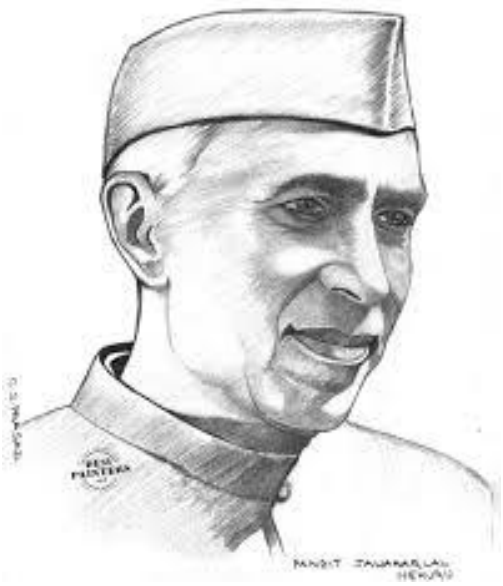
Academic Year

2020-2021

Nehru Institute of Engineering & Technology

"Nehru Gardens" Thirumalayampalayam, Coimbatore – 641 105
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC, Recognized by UGC under Section 2(f) and 12(B)
NBA Accredited UG courses: AERO, CSE, MECHANICAL

Web: www.nehrucolleges.org



To be noble, we must be clear in thought, courtesy in manner, graceful in speech, and honest in deed.

- Jawaharlal Nehru

Students Handbook 2020 - 2021

A Tribute to a Great Leader

Biography of Founder Chairman

Shri. P. K. Das,

The Bhishmacharya of Education

Whenever we hear the name, Nehru College, immediately the name of our Chairman Shri. P. K. Das comes to our mind. Our Chairman's name is synonymous with Nehru Colleges, which stand as Hall Mark of Quality in the field of higher education. Starting from scratch in 1968, this great Leader spent each ounce of his energy and sweat to establish 20 prestigious Institutions in Tamil Nadu and Kerala. Through his hard toil, sweat, firm determination and strict self discipline, he established Nehru College of Aeronautics and Applied Sciences at Kuniamuthur, Coimbatore in 1968. Besides this College, he established Engineering Colleges, Arts & Science College, Pharmacy College, Aviation Institute, Super Specialty Hospital with Medical College, Management Colleges, Architecture College and Academy of Law in Tamil Nadu and Kerala.

He was hardly 29 years of age in 1968, when he started his career as an Academician at Coimbatore. The meteoric rise of this great personality in the field of technical and higher education was phenomenal and great.

A humble beginning was made. Despite innumerable difficulties and insurmountable obstacles he had to face with, he didn't budge an inch, but forged ahead with firm determination and iron will, to accomplish success after success. Year after year, he was reaping rich dividends and accolades. He was standing like a Colossus. The flag ship institution namely Nehru College of Aeronautics & Applied Sciences has emerged as a unique institution in this country. This College is the only one with so many specializations in Aeronautical Maintenance Engineering. In the field of Applied Sciences, several branches for B.Sc. degree courses in Aeronautical Engineering, Electronics, Computer Science and Avionics and MBA in Air Line and Airport Management were started there. The quality maintained here speaks volumes about the Founder Chairman Shri. P. K. Das.

He added golden feather to his cap, by starting a huge and prestigious Nehru College of Arts and Science in a new campus at Thirumalayampalayam. There are 2 Engineering Colleges and 3 Management Colleges at Thirumalayampalayam and Kaliapuram, in the outskirts of Coimbatore. At Pampady in Kerala, he started Nehru College of Engineering & Research Centre and later on Nehru College of Pharmacy. At Lakkidi in Palakkad District, he started Jawaharlal College of Engineering and Technology. In 2010, Jawaharlal Aviation Institute was started at Lakkidi. A Super Specialty hospital named as P.K.Das Institute of Medical Sciences has been established at Vaniamkulam. All these have been conceived and nurtured under his close supervision. The efficient functioning and quality maintained in these institutions are testimonies to his diligence, greatness and success.

The might and strength of our beloved Chairman are etched deeply and are eloquently evident from the functioning of these Institutions. He was a simple, humble, noble and straight forward person, with aristocratic behavioral traits. He was a tall, handsome and commanding personality not only physically, but also intellectually and behaviorally. Those who come in contact with him cannot forget his magnificent virtues and everlasting affection. He has left a great void, which can never be filled. Though he has left us at an untimely moment, still his wishes, aspirations and blessings surround us and energize us.

We see our beloved Chairman through his sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar. Our Chairman was an industrialist par excellence. We shall remember him and his benevolence throughout lives. We offer one thousand salutes to this Bhishmacharya of Higher Education.

Shri.P. K. DAS

F.I.E., F.I.Mech.E., A.F.R.Ae.S.(Lond) M.Ae.S.I. M.S., C.Engg.

Founder Chairman

Nehru Group of Institutions

Tamilnadu & Kerala

“Make NIET to Respond to the needs of the Society”

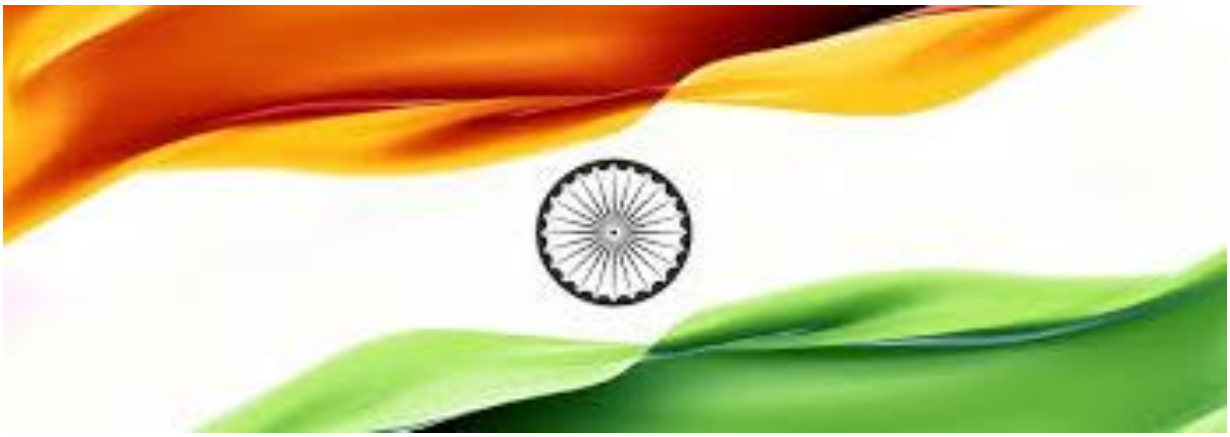
“Mould NIET for Protecting Value System for Education”

VISION

Our vision is to mould the youngsters to acquire sound knowledge in technical and scientific fields to face the future challenges by continuous upgradation of all resources and processes for the benefit of humanity as envisaged by our great leader Pandit Jawaharlal Nehru.

MISSION

- To build a strong centre of learning and research in engineering and technology.
- To facilitate the youth to learn and imbibe discipline, culture and spirituality.
- To produce quality engineers, dedicated scientists and leaders.
- To encourage entrepreneurship.
- To face the challenging needs of the global industries.



India is my country
and all Indians are my brothers and sisters.
I love my country
and I am proud of its rich and varied heritage.
I shall always strive to be worthy of it.
I shall give respect to my parents, teachers
and all elders and treat everyone with courtesy.
To my country and my people,
I pledge my devotion.
In their well-being and prosperity alone
lies my happiness.

PERSONAL MEMORANDA

1.Name:.....

2.Class & Roll No.:.....

3.Department : .....

4. Name of the Parent:..... Guardian:.....

5.PermanentAddress:.....

.....

Pin:.....Tel. /Cell:.....

6.Present Address:.....

.....Pin:.....

Mobile:.....E-Mail:.....

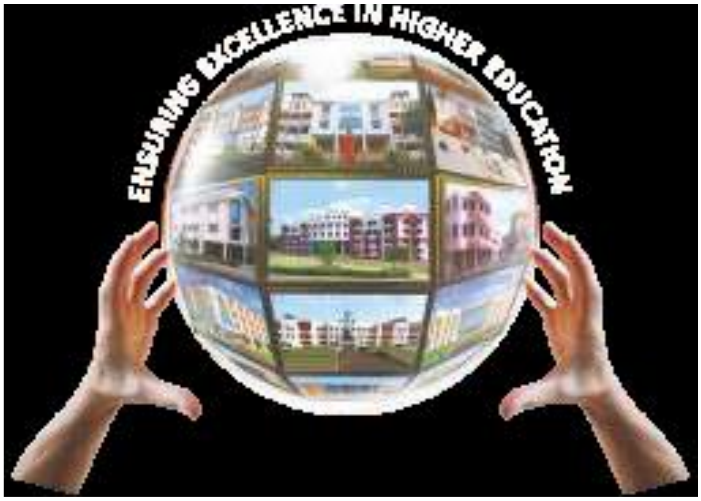
7.Date of Birth:.....

8.Blood Group:.....

9.Day Scholar / Hosteller:.....

10.Emergency Contact No.:.....

11. Emergency Contact Person and Relationship : .....



NEHRU GROUP OF INSTITUTIONS

Nehru Group of Institutions was established in 1968 in Kuniamuthur, Coimbatore, TamilNadu as a centre of educational excellence to nurture, guide and ignite the spirit of the young minds in Tamil Nadu and Kerala. This was fifty two years ago when education opportunities were limited and information centers were not equipped with adequate resources. NGI was founded on this philosophy to serve students, especially from economically backward backgrounds looking out for continuing education pathways with an academic and vocational direction. We have, in the past 52 years, successfully nurtured, groomed and placed approximately 1,10,000 plus students in the best of corporate, here and abroad.

Our service is complete. We have branches ranging from architecture to technology across Tamil Nadu and Kerala, our corporate office in Coimbatore, all delivering objective advice and maintaining a professional level of service to students and parents. NGI has risen above every storm and challenge and has stood tall even while going through the fiery furnace of tests. 2020 marks 52years of this unstoppable VICTORY.

The Nehru Group of Institutions enable our students and professionals to seek quality education and a successful career. All our efforts are aimed to make sure that we show them the right path and give that final push for students and faculty to achieve their true destiny. Everything in this day and age is interconnected, and education is no exception. We at Nehru Group of Institutions always have focused on equipping our students with vital skill sets so as to compete effectively intoday'sglobalmarket.

Keeping this in mind, we work at improving awareness on courses, practicals, internship programs, communication and overall development of the student, . We also provide ample support for the above, thereby, delivering greater opportunities for students to get better jobs in institutions and organizations alike. We believe we are only doing our humble bit to help shape up young, deep thinking leaders of tomorrow. With the inception of new, advanced technology on par with world class standard, we are working hard toward turning our institution into a renowned, top-tier quality global village. Our efforts

are to reach students with economically backward background and turn them into the most sought after, world class entrepreneurs of tomorrow. Our support is with you always, and I wish you all the success in every endeavor you take up for the growth and development of the students and faculty of Nehru Group of Institutions.

Unique Features of NGI

- Celebrating 52th year of educational service
- More than 210 university ranks since 2015 onwards.
- Total built up area of more than 35 lakhs sq.ft.
- Highly disciplined campus with Air Conditioned class rooms
- Encompassing in it 20 reputed institutions and a 750 bed super specialty hospital.
- Institutes are accredited by MCI, AICTE, DGCA, NAAC "A" Grade, PCI, COA, NCI, BAR Council of India and ISO certified agency.
- MOUs with national & International universities, IATA, AMADEUS and SAP Training Centre.
- Library retains wide collection of national and international journals, magazines and more than 3 lakhs volume of books.
- NOBLE (Nehru Out Bond for Leadership and Excellence) for out bond training programme.
- FDP(Faculty development programme) to refine skills & technologies of our faculties in every semester.
- BTA (Best Teacher Award) & BFA (Best Faculty Award) we recognize school and college level pedagogues every year.
- NCPIR(Nehru Corporate Placement& Industrial Relations) looks after placement and training.
- An enviable track record of placement, more than 2000 students got offer letter in 2017-2018.
- Cash awards and gold coins for university rank holders.
- 100 mbps dedicated optical fiber for internet and WiFi campuses with more than 5000 nodes of computers with high end servers.
- More than 150 buses for commutation of students.
- A/c & Non A/c hostel accommodation for more than 5000 students.
- Sufficiently energized generator backup for entire campuses.
- Modern sports complex for Volley Ball, Football, Basket Ball, Synthetic Shuttle court, Rifle Club, Table Tennis, Health Club and Yoga Centre.
- Featuring the Oldest Aeronautical campus in South India.
- Aeronautical campus value added with King Air c90,Beach Aircraft, Learjet 25B, Cessna150&152, Hawker125, Ercoupe, Bell and EnstromF28 Helicopters and 1 lakhs sq.ft of Aeronautical Lab.
- 4 Crores funded projects through Research and Consultancy.

NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Nehru Institute of Engineering and Technology is a self-financing Engineering College, Approved by AICTE, New Delhi and Affiliated to Anna University Chennai, Recognized by UGC with 2(f) and 12 (B)and Accredited by NAAC &NBA accreditation for few undergraduate programs, and internationally recognized14001:2004 certification for the serene, eco-friendly and green campus. These certificates and accreditations are testimonials for NIET to proclaim that it upkeeps the best system and the international quality standards, benchmarked by the globally renowned rating agencies

NIET is established in the year 2006, under the able leadership of our Founder Chairman, Shri. P. K. Das is entering into its fifteenth successful year by marching ahead towards achieving the Vision and Mission of the Founder Chairman under the guidance of the most respected Chairman and Managing Trustee Adv. Dr.P.Krishna Das and the most beloved CEO &Secretary Dr.P.Krishna Kumar.

In its fifteenth year of establishment, NIET has evolved into a multidisciplinary, research-focused and student centric Institution offering 11 academic programs, 8 at the Undergraduate level and 3 at Postgraduate level. NIET comprises of dedicated team of eminent faculty members, rich in knowledge and with good retention rate, many numbers of Centre of Excellences, Well-equipped Laboratories, Excellent Infrastructure, Smart Classrooms, Amphitheatres and Conference Halls.

NIET had gained high reputation in the society over the past decade through the academic excellence testified by the number of University ranks secured by the students year after year.

NIET has adopted academic reforms to become internationally recognized for the quality of its teaching and learning process, research, and student enrichment. It is aimed at inculcating scientific integrity and human values to expand the boundaries of technologies, creativity and human knowledge, generating new insights and improving the quality of life by which an individual is moulded into a true citizen.

NIET keeps a tremendous track record of placements every year in reputed organizations, and through the Technology Business Incubation supported by NSTEDB, DST, Government of India, a spark of an idea can be converted into products through start-ups and students are made into entrepreneurs. NIET develops entrepreneurship through the NewGen Innovation and Entrepreneurship Development Centre (NewGen IEDC). NIET is flourishing today with the support from all its stakeholders, in which the Alumnus of NIET plays a major role. All our students are positioned at reputed organizations within the country and abroad who are our everlasting testimonials.

Programmes Offered

Bachelor of Engineering

- Aeronautical Engineering
- Mechanical Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Mechatronics Engineering

Bachelor of Technology

- Artificial Intelligence and Data Science
- Computer Science and Business System

Master of Engineering

- Aeronautical Engineering
- Communication Systems

Master of Business Administration

Dual Specialization offered:

- Finance
- Human Resource
- Marketing
- Systems
- Production

LABORATORIES

- Propulsion Laboratory
- Aircraft Structures Laboratory
- Aerodynamics Laboratory
- Aircraft Systems Laboratory
- Aero Engine and Airframe Laboratory
- Aero Modelling and UAV Laboratory
- Computer Aided Design & Simulation Laboratory
- Flight Integration Systems and Control Laboratory
- Circuits and Devices Laboratory
- Fundamentals of Data Structures in C Laboratory
- Analog and Digital Circuits Laboratory
- Circuits Design and Simulation Laboratory
- Linear Integrated Circuits Laboratory
- Digital Signal Processing Laboratory
- Communication Systems Laboratory
- Networks Laboratory
- Microprocessors and Microcontrollers Laboratory
- VLSI Design Laboratory
- Embedded Laboratory
- Advanced Communication Laboratory
- Communication Systems Laboratory
- RF System Design Laboratory
- Sensors and Instrumentation Laboratory
- Applied Hydraulics and Pneumatic Laboratory
- Microcontroller and PLC Laboratory
- Robotics Laboratory
- Computer Aided Machine Drawing Laboratory
- Computer Aided Design And Manufacturing Laboratory
- Application Development Laboratory
- Project Laboratory
- Operating System Laboratory
- Programming Laboratory
- Network and Security Laboratory
- DBMS Laboratory
- Engineering Practice Laboratory
- Electric Circuits Laboratory
- Electronics Laboratory
- Electrical Machines Laboratory – I
- Electrical Machines Laboratory – II
- Control and Instrumentation Laboratory
- Power Electronics and Drives Laboratory
- Power System Simulation Laboratory
- Renewable Energy Systems Laboratory
- Manufacturing Technology lab- 1
- Manufacturing Technology lab - 2
- Engineering Practices Lab
- Strength of Materials Lab
- Thermal Engineering lab-1
- Thermal Engineering lab-2
- Kinematics and Dynamics lab
- Fluid mechanics and machinery's lab
- Metrology and Measurements lab
- Computer Aided Design lab

B. E. / B. Tech. DEGREE

ANNA UNIVERSITY

Program Outcomes

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 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.

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, 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.

B.E. AERONAUTICAL ENGINEERING

VISION

Producing competent and exemplary Aeronautical Engineers to meet the needs of global industries

MISSION

- To impart quality education in cutting edge technologies, in state of art laboratories with intellectual and ethical principles.
- To propel the young students to face the challenges of global industries through their sound technical knowledge
- To build formidable skills in aeronautical engineering and turn the students into entrepreneurs and global leaders.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

The graduates of Aeronautical Engineering Programme will be able

PEO1: To employ comprehensive knowledge in Aeronautical Engineering and analytical skills to work towards solving complex problems so as to excel in the professional career.

PEO2: To design, analyze and produce cutting edge engineering solutions by employing modern techniques and adhering to moral values for sustainable development.

PEO3: To assume global careers and leadership responsibilities through consistent learning with idealistic managerial practices**.**

PROGRAMME SPECIFIC OUTCOMES (PSO)

The students of Aeronautical Engineering Programme will be able

PSO1: To gather data using modern tools and apply design techniques to develop solutions for challenges in the domain of Aerodynamics, Propulsion, Aircraft Structures and Aircraft Maintenance with Professional ethics.

PSO2: To function as engineering solution providers or entrepreneurs, who are able to manage, innovate, communicate, train and lead a team for continuous improvement

B.E. COMPUTER SCIENCE AND ENGINEERING

VISION

To produce highly competent and innovative computer professionals to meet the global demands.

MISSION

- To impart quality education by creative teaching learning process.
- To be technically competent, ethical and socially responsible throughout the professional career.
- To inculcate leadership qualities and entrepreneurship culture to meet the global standards.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

The graduates of Computer Science and Engineering Programme will be able to

PEO1: Acquire and Apply knowledge in Computer Science, Mathematics, Science and inter-disciplinary engineering principles in order to excel in computer professional career

PEO2: Analyze real life problems adapting to new Computing Technologies for professional excellence and ethical attitude, in order to provide economically feasible engineering solutions.

PEO3: Carry out complex engineering problems with best practices exhibiting communication skills, team work and interpersonal skills to enable continued computer professional development through life-long learning.

PROGRAMME SPECIFIC OUTCOMES (PSO)

The students of Computer Science and Engineering Programme will be able attain

PSO1: Professional Skills: Acquaint in-depth knowledge on the basic and advanced computer science domains like Data Sciences, Cryptography, Cloud and Distributed Computing, Neural Networks and Artificial Intelligence.

PSO2: Entrepreneurship and Successful Career: Apply the standard practices to have successful career path in the field of information and communication technology and entrepreneurship.

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING

VISION

To become a centre of excellence in electronics and communication engineering by imparting quality technical education imbibed with human values and professional ethics, facilitating research activities and cater to the growing industrial demands and societal needs

MISSION

- To educate and empower the students with state of art knowledge and latest trends in electronics and communication engineering to meet the growing real world challenges
- To inculcate professional ethics and moral values among the students
- To impart industrial and managerial skills to promote self-employment and adapt to appropriate technology to meet the challenges arising out of global demand

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

A graduate of the Electronics and Communication Engineering Program should be able to:

PEO1: Establish a strong foundation in the fundamentals of mathematics, science and engineering necessary to formulate, analyze and solve engineering problems and prepare themselves for post graduate studies and/or for a successful career

PEO2: Define and analyze real life engineering problems in the field of electronics and communication engineering and find sound, feasible and acceptable solutions beneficial to the society

PEO3: Work effectively in a group with good communication skill, managerial skill, professionalism and ethical attitude, possessing expertise to write reports and express clearly in a multidisciplinary environment through continuous learning.

PROGRAMME SPECIFIC OUTCOMES (PSO)

A graduate of the Electronics and Communication Engineering Program will demonstrate:

PSO1: Apply the fundamental knowledge of mathematics, engineering science to identify, formulate, research and solve electronics and communication engineering problems in the areas of antenna design, embedded systems, image processing, VLSI design and communication systems

PSO2: Design analog and digital electronic circuits by using modern engineering and computing tools and develop a system component to meet specific needs by considering public health, safety, societal and environmental issues

PSO3: Apply ethical issues, social environmental impact and managerial skills to serve the society and communicate the engineering activities effectively to engineering community

B. E. ELECTRICAL AND ELECTRONICS ENGINEERING

VISION

To produce exemplary competent Electrical and Electronics graduates with high moral values to face the challenges of industry / society.

MISSION

- To establish a strong Centre of Excellence for learning and research in Electrical and Electronics Engineering.
- To impart high quality education using innovative methods of teaching-learning process.
- To create globally recognized professionals in the field of Electrical and Electronics Engineering
- To encourage entrepreneurship in the area of energy engineering by providing proper guidance

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

The Program Educational objectives of Electrical and Electronics Engineering Program are

PEO1: Perform well in a professional career and use various soft computing tools to design and develop the various engineering solutions in the field of electrical and electronics engineering

PEO2: Design and analyze engineering products, practice codes of professional ethics and create awareness regarding moral responsibilities in dealing with environmental social issues.

PEO3: Converse fluently and precisely in a language well understood by others to convey their ideas and views regarding various issues that arise during their career as professionals and make them realize the importance and benefits of team work.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: Design electrical and electronics systems and devices for specific needs of society and industries, considering electrical safety, social and environmental issues.

PSO2: Understand and apply the technologies like PLC, PMC, process controllers, transducers and HMI in the analysis, design, development and installation of power system and applications.

B.E. MECHANICAL ENGINEERING

VISION

To mould the Mechanical Engineering aspirants Into Employable Engineers and Successful Entrepreneurs

MISSION

- To be centre of excellence in Mechanical Engineering in providing Quality Education.
- To upgrade infrastructure and faculty competency for Continuous Development.
- To inculcate a work culture that yields Socio-Economical Engineers and Intellectuals.
- To instill leadership qualities to pursue a Professional Career and Entrepreneurship.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: To excel in career applying knowledge in mathematics, science and engineering fundamentals essential to create, solve and analyze Mechanical Engineering related problems

PEO2: To design, analyze and implement cost-effective solutions to engineering problems encountered in the field that are beneficial to the society

PEO3: To establish careers in industry and entrepreneurship by exhibiting professionalism that meets the needs of national and multinational companies with adequate technical learning and communication skills

PROGRAMME SPECIFIC OUTCOMES (PSO)

Upon graduation the student should be able to

PSO1: Identify, Formulate and Solve engineering problems in core streams of Mechanical Engineering ie., design, thermal, manufacturing and industrial engineering

PSO2: Apply modern tools to interpret data, design and develop solutions to complex Mechanical Engineering issues employing ethical principles and professional engineering practices.

PSO3: Function as an engineering solution provider or entrepreneur, who is able to manage, innovate, communicate, train and lead a team for continuous improvement.

B.E. MECHATRONICS ENGINEERING

VISION

Our Vision is to strive the students to foster rigorous academic emphasis with rich diversity of skills for the ability and passion to work sensibly and ethically for the betterment of humankind.

MISSION

- To prepare excellent Mechatronics Engineers with leading edge technology.
- To achieve blending of knowledge attainment and application.
- To impart value-based training and inculcate socially committed professionalism.
- To develop the future engineers with invaluable entrepreneurial skill.
- To build a strong integrated team of Mechatronics professionals.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: Application of mathematical modeling, scientific and automation concepts to formulate problems in Mechatronics systems and provide solutions employing modern tools.

PEO2: Professional practice driven by value based education committed to ethical principles, environmental concerns and social issues with continuous learning.

PEO3: Ability to work in a team as a member/leader possessing technical and organizational capabilities to manage/initiate an enterprise.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: To understand the concepts of engineering fundamentals, design and problem analysis to arrive at multiple solutions for the complex problems using classical methods and modern IT tools

PSO2: To provide an opportunity to identify the responsibilities of social engineering practices by knowing the ethical and environmental values for the sustainable development

PSO3: To persist with life-long learning and effective communication to lead a team to promote managerial skills and entrepreneurship in multidisciplinary environment

B.Tech. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

VISION

To emerge as a Centre of Excellence in Artificial Intelligence and Data Science Technologies and Tools to produce Industry Ready Artificial Intelligence Engineers and Data Scientists to serve the nation and to meet the Industry Challenges

MISSION

- To impart quality education by creative students-centric teaching learning processes
- To groom students technologically superior and ethically stronger and responsible throughout the professional career
- To equip students with interdisciplinary skill sets and leadership qualities to cater the needs of the industries and society

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

A graduate of the Artificial Intelligence and Data Science Programme should be able to

PEO1: Apply fundamentals of Artificial Intelligence and Data Science Techniques to analyse, design, and implement Models using modern engineering tools

PEO2: Demonstrate their technical skills and competency to solve Real Time Problems for better Solutions through Artificial Intelligence and Data Science Techniques

PEO3: Engage in lifelong learning to excel in their profession with social and Professional awareness and responsibility ethically

PROGRAMME SPECIFIC OUTCOMES (PSO)

The students of Artificial Intelligence and Data Science Programme will be able to

PSO1: Ability to design, implement and apply Artificial Intelligence and Data Science computational Tools s to provide better Solution

PSO2: Ability to analysis Artificial Intelligence Techniques and Data Analytics models for innovative career, research activities and consultancy services

B.Tech. COMPUTER SCIENCE AND BUSINESS SYSTEMS

VISION

To produce highly competent and innovative Computing and Business Systems professionals with managerial skills, social values to serve the nation and to meet the Industry Challenges

MISSION

- To impart technical knowledge through innovative students-centric teaching learning processes and research
- To groom students technologically superior and ethically stronger and responsible throughout the professional career to compete globally
- To produce competent engineers with professional ethics, spirit of innovation and managerial skills to cater the needs of the industries and society

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

A Graduate of the Computer Science and Business Systems Program should be able to

PEO1: Apply fundamentals of Computer Science and Business Systems Techniques to analyse, design, and implement Models using modern engineering tools

PEO2: Demonstrate their technical skills and competency to solve Real Time Problems for better Solutions through Computer Science and Business Systems Techniques and Tools

PEO3: Engage in lifelong learning to excel in their profession with ethics and inter-personal skills to develop leadership qualities

PROGRAMME SPECIFIC OUTCOMES (PSO)

A graduate of the Computer Science and Business Systems Program will have the

PSO1: Ability to design, implement, apply and test Software Systems for the Industries needs to provide better Solution for Business and real word problems

PSO2: Ability to analysis Computer Science and Business Systems models for better innovative research activities and consultancy services

M.E. AERONAUTICAL ENGINEERING

VISION

Producing competent and exemplary Aeronautical Engineers to meet the needs of global industries.

MISSION

- To impart quality education in cutting edge technologies, in state of art laboratories with intellectual and ethical principles.
- To propel the young students to face the challenges of global industries through their sound technical knowledge
- To build formidable skills in aeronautical engineering and turn the students into entrepreneurs and global leaders.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: : Successful moulding of graduate into Aeronautical Engineering Professional: Graduates of the programme will acquire adequate knowledge both in practical and theoretical domains in the field of Aeronautical Engineering through rigorous post graduate education.

PEO2: Successful Career Development: Graduates of the programme will have successful technical and managerial career in Aeronautical Engineering industries and the allied management.

PEO3: Contribution to Aeronautical Engineering Field: Graduates of the programme will have innovative ideas and potential to contribute for the development and current needs of the Aviation industries.

PEO4: Sustainable interest for Lifelong learning: Graduates of the programme will have sustained interest to learn and adapt new Technology developments to meet the changing industrial scenarios.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: To gather data using modern tools and design techniques to develop solutions for Aeronautical Engineering challenges with professional ethics.

PSO2: To function as engineering solution providers or entrepreneurs, who are able to manage, innovate, communicate, train and lead a team for continuous improvement

M.E. COMMUNICATION SYSTEMS

VISION

To become a centre of excellence in electronics and communication engineering by imparting quality technical education imbibed with human values and professional ethics, facilitating research activities and cater to the growing industrial demands and societal needs.

MISSION

- To educate and empower the students with state of art knowledge and latest trends in electronics and communication engineering to meet the growing real world challenges.
- To inculcate professional ethics and moral values among the students.
- To impart industrial and managerial skills to promote self-employment and adapt to appropriate technology to meet the challenges arising out of global demand.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: To provide students with strong fundamental concepts and also advanced techniques and tools to build various communication systems.

PEO2: To enable graduates to attain successful professional careers by applying their engineering skills in communication system design to meet out the challenges in industries and academia.

PEO3: To engage graduates in lifelong learning, adapt emerging technology and pursue research for the development of innovative products.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: To inculcate the ability in graduates to design and analyze the subsystems such as RF, Signal Processing, Modern communication systems and networks.

PSO2: To enhance problem solving skills in communication systems design using latest hardware and software tools.

PSO3: To apply communication engineering principles and practices for developing products for scientific and business applications.

MASTER OF BUSINESS ADMINISTRATION (MBA)

VISION

To mould true leaders through creative management techniques by enhancing student skills and adaptability to match with corporate culture and inculcating ethical values.

MISSION

- To provide practical training, improve analytical power, reasoning abilities and technical dexterity.
- To facilitate students to understand their responsibility for the development of the society with the individual improvement.
- To increase employability of the students by variety of skill excellence techniques.
- To adopt the industrial culture in campus by involving corporate delegates interaction most frequently.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO 1: To possess professional and communication skills with ethical attitude to function as members of multi-disciplinary teams in industries and to assume leadership role in addressing the managerial issues.

PEO 2: To access, analyze and plan, so as to apply acquired knowledge in basic, managerial sciences and mathematics in solving managerial problems with economic, environmental and social contexts to acquire professional expertise in industry and research.

PEO 3: To acquire necessary domain knowledge to pursue successful career in management, capability to set up their own enterprise and involve in research and development in order to fulfill the needs of the society.

ANNA UNIVERSITY : : CHENNAI - 600 025

AFFILIATED INSTITUTIONS

REGULATIONS 2017

CHOICE BASED CREDIT SYSTEM

Common to all B.E. / B.Tech. Full-Time Programmes

(For the students admitted to B.E. / B.Tech. Programme at various Affiliated Institutions)

DEGREE OF BACHELOR OF ENGINEERING / BACHELOR OF TECHNOLOGY

This Regulations is applicable to the students admitted to B.E/B.Tech. Programmes at all Engineering Colleges affiliated to Anna University, Chennai (other than Autonomous Colleges) and to all the University Colleges of Engineering of Anna University, Chennai from the academic year 2017-2018 onwards.

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

I) "**Programme**" means Degree Programme, that is B.E./B.Tech. Degree Programme.

II) "**Discipline**" means specialization or branch of B.E./B.Tech. Degree Programme, like Civil Engineering, Textile Technology, etc.

III) "**Course**" means a theory or practical subject that is normally studied in a semester, like Mathematics, Physics, etc.

IV) **"Director, Academic Courses"** means the authority of the University who is responsible for all academic activities of the Academic Programmes for implementation of relevant rules of this Regulations pertaining to the Academic Programmes.

V) **"Chairman"** means the Head of the Faculty.

VI) **"Head of the Institution"** means the Principal of the College.

VII) **"Head of the Department"** means head of the Department concerned.

VIII) **"Controller of Examinations"** means the authority of the University who is responsible for all activities of the University Examinations.

IX) **"University"** means ANNA UNIVERSITY, CHENNAI.

2. ADMISSION

2.1 Candidates seeking admission to the first semester of the eight semester B.E. / B.Tech. Degree Programme:

Should have passed the Higher Secondary Examinations of (10+2) Curriculum (Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto.

(OR)

Should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.

2.2 **Lateral entry admission**

(i) The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamilnadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. in the branch corresponding to the branch of study.

(OR)

(ii)The candidates who possess the Degree in Science (B.Sc.,) (10+2+3 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech.

Such candidates shall undergo two additional Engineering subject(s) in the **third and fourth semesters** as prescribed by the University.

3. PROGRAMMES OFFERED

B.E. / B.Tech. Programmes under the Faculty of Civil Engineering, Faculty of Mechanical Engineering, Faculty of Electrical Engineering, Faculty of Information and Communication Engineering and Faculty of Technology.

4. STRUCTURE OF PROGRAMMES

4.1 Categorization of Courses

Every B.E. / B. Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:

i. **Humanities and Social Sciences (HS)** courses include Technical English, Engineering Ethics and Human Values, Communication skills, Environmental Science and Engineering.

ii. **Basic Sciences (BS)** courses include Mathematics, Physics, Chemistry, Biology, etc.

iii. **Engineering Sciences (ES)** courses include Engineering practices, Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Computer Engineering, Instrumentation etc.

iv. **Professional Core (PC)** courses include the core courses relevant to the chosen specialization/branch.

v. **Professional Elective (PE)** courses include the elective courses relevant to the chosen specialization/ branch.

vi. **Open Elective (OE)** courses include the courses from other branches which a student can choose from the list specified in the curriculum of the students B.E. / B. Tech. / B. Arch. Programmes.

vii. **Employability Enhancement Courses (EEC)** include Project Work and/or Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training.

4.2 Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes (NCC/NSS/NSO/YRC) and undergo training for about 80 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid.

National Cadet Corps (NCC) will have about 20 parades.

National Service Scheme (NSS) will have social service activities in and around the College / Institution.

National Sports Organization (NSO) will have sports, Games, Drills and Physical exercises.

Youth Red Cross (YRC) will have activities related to social services in and around College/Institutions.

While the training activities will normally be during weekends, the camp will normally be during vacation period.

4.3 Number of courses per semester

Each semester curriculum shall normally have a blend of lecture courses not exceeding **7** and Laboratory courses and Employability Enhancement Course(s) not exceeding **4.** Each Employability Enhancement Course may have credits assigned as per clause 4.4. However, the total number of courses per semester shall not exceed 10.

4.4 Credit Assignment

Each course is assigned certain number of credits based on the following:

Contact period per week	**CREDITS**
1 Lecture Period	1
2 Tutorial Periods	1
2 Laboratory Periods (also for EEC courses like / Seminar / Project Work / Case study / etc.)	1

The Contact Periods per week for Tutorials and Practical can only be in multiples of 2.

4.5. Industrial Training / Internship

The students may undergo Industrial training for a period as specified in the Curriculum during summer / winter vacation. In this case the training has to be undergone continuously for the entire period.

The students may undergo Internship at Research organization / University (after due approval from the Department Consultative Committee) for the period prescribed in the curriculum during summer / winter vacation, in lieu of Industrial training.

4.6 Industrial Visit

Every student is required to go for at least one Industrial Visit every year starting from the second year of the Programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

4.7 Value Added Courses

The Students may optionally undergo Value Added Courses and the credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. One / Two credit courses shall be offered by a Department **of an institution with the prior approval from the Head of the Institution.**

The details of the syllabus, time table and faculty may be sent to the Centre for Academic Courses and the Controller of Examinations after approval from the **Head of the Institution** concerned atleast one month before the course is offered. **Students can take a maximum of two one credit courses / one two credit course** during the entire duration of the Programme.

4.8 Online Courses

4.8.1 Students may be permitted to credit only one online course of 3 credits with the approval of **Head of the Institution** and Centre for Academic Courses.

4.8.2 Students may be permitted to credit one online course (which are provided with certificate) subject to a maximum of three credits. The approved list of online courses will be provided by the Centre for Academic courses from time to time. The student needs to obtain certification or credit to become eligible for writing the End

Semester Examination to be conducted by Controller of Examinations, Anna University. The details regarding online courses taken up by students should be sent to the Controller of Examinations, Anna University and Centre for Academic Courses one month before the commencement of End Semester Examination.

4.9 The students satisfying the following conditions shall be permitted to carry out their final semester Project work for six months in industry/research organizations.

The student should not have current arrears and shall have CGPA of 7.50 and above.

The student shall undergo the eighth semester courses in the sixth and seventh semesters. The Head of Department, in consultation with the faculty handling the said courses shall forward the proposal recommended by the Head of Institution to the Controller of Examinations through the Director, Centre for Academic courses for approval at least 4 weeks before the commencement of the sixth semester of the programme for approval.

4.10 Medium of Instruction

The medium of instruction is English for all courses, examinations, seminar presentations and project / thesis / dissertation reports except for the programmes offered in Tamil Medium.

5. DURATION OF THE PROGRAMME

5.1 A student is ordinarily expected to complete the B.E. / B.Tech. Programme in 8 semesters (four academic years) but in any case not more than 14 Semesters for HSC (or equivalent) candidates and not more than 12 semesters for Lateral Entry Candidates.

5.1.1 A student is ordinarily expected to complete the B.E. Mechanical Engineering (Sandwich) Programme in 10 semesters (five academic years) but in any case not more than 18 Semesters for HSC (or equivalent) candidates.

5.2 Each semester shall normally consist of 75 working days or 540 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

5.3 The Head of the Institution may conduct additional classes for improvement, special coaching, conduct of model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement for writing the end semester examinations (as per clause 6) by the students, following method shall be used.

$$\text{Percentage of Attendance} = \frac{\text{Total no. of periods attended in all the courses per semester}}{\text{(No.of periods / week as prescribed in the curriculum) x 15 taken together for all courses of the semester}} \times 100$$

The University Examination will ordinarily follow immediately after the last working day of the semester commencing from I semester as per the academic schedule prescribed from time to time.

5.4 The total period for completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 18) in order that he/she may be eligible for the award of the degree (vide clause 16).

6. COURSE REGISTRATION

6.1 The Institution is responsible for registering the courses that each student is proposing to undergo in the ensuing semester. Each student has to register for all courses to be undergone in the curriculum of a particular semester (with the facility to drop courses to a maximum of 6 credits (vide clause 6.5). The student can also register for courses for which the student has failed in the earlier semesters. In such cases the student shall do **reappearance registration** for those courses for which the attendance requirement is not compulsory. However, the student have the option to take up some other professional elective or open elective that he has failed to pass. **But, the total number of credits that a student is allowed to register per semester cannot exceed 36.** The registration details of the candidates may be approved by the Head of the Institution and forwarded to the Controller of Examinations. This registration is for undergoing the course as well as for writing the End Semester Examinations. No course shall be offered by any department of any institution unless a minimum 10 students register for the course.

The courses that a student registers in a particular semester may include

- **i.** Courses of the current semester.
- **ii.** The core (Theory/Lab /EEC) courses that the student has not cleared in the previous semesters.
- **iii.** Elective courses which the student failed (either the same elective or a different elective instead)

6.2 Flexibility to Drop courses

6.2.1 A student has to earn the total number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree.

6.2.2 From the III to final semesters, the student has the option of dropping existing courses in a semester during registration. Total number of credits of such courses cannot exceed 6.

6.2.3 The student shall register for the project work in the final semester only.

7. ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER

7.1 A Candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.

Ideally every student is expected to attend all classes of all the courses and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as Medical / participation in sports, the student is expected to attend atleast 75% of the classes.

Therefore, he/she shall **secure not less than 75%** (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3.

7.2 However, a candidate who secures overall attendance between 65% and 74% in the current semester due to medical reasons (prolonged hospitalization / accident / specific illness) / Participation in Sports events may be permitted to appear for the current semester examinations subject to the condition that the candidate shall submit the medical certificate / sports participation certificate attested by the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes.

7.3 Candidates who **secure less than 65% overall attendance and candidates who do not satisfy the clause 7.1 and 7.2** shall not be permitted to write the University examination at the end of the semester and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.

8. CLASS ADVISOR

There shall be a class advisor for each class. The class advisor will be one among the (course-instructors) of the class. He / She will be appointed by the HoD of the department concerned. The class advisor is the ex-officio member and the Convener of the class committee. The responsibilities for the class advisor shall be:

- To act as the channel of communication between the HoD and the students of the respective class.
- To collect and maintain various statistical details of students.
- To help the chairperson of the class committee in planning and conduct of the class committee meetings.
- To monitor the academic performance of the students including attendance and to inform the class committee.
- To attend to the students' welfare activities like awards, medals, scholarships and industrial visits.

9. CLASS COMMITTEE

9.1. Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching-learning process. The functions of the class committee include

- Solving problems experienced by students in the class room and in the laboratories.
- **Clarifying the regulations of the degree programme and the details of rules therein particularly (clause 5 and 7) which should be displayed on college Notice-Board.**
- Informing the student representatives, the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- Informing the student representatives the details of Regulations regarding weightage used for each assessment. In the case of practical courses (laboratory / drawing / project work / seminar etc.) the breakup of marks for each experiment / exercise / module of work, should be clearly discussed in the class committee meeting and informed to the students.
- Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- Identifying the weak students, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such weak students.

9.2 The class committee for a class under a particular branch is normally constituted by the Head of the Department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the Head of the Institution.

9.3 The class committee shall be constituted within the first week of each semester.

9.4 At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee.

9.5 The Chairperson of the class committee may invite the Class adviser(s) and the Head of the Department to the class committee meeting.

9.6 The Head of the Institution may participate in any class committee of the institution.

9.7 The chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.

9.8 The first meeting of the class committee shall be held within one week from the date of commencement of the semester, in order to inform the students about the nature and weightage of assessments within the framework of the Regulations. Two or three subsequent meetings may be held in a semester at suitable intervals. **The Class Committee Chairman shall put on the Notice Board the cumulative attendance particulars of each student at the end of every such meeting to enable the students to know their attendance details to satisfy the clause 6 of this Regulation.** During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the effectiveness of the teaching-learning process.

10. COURSE COMMITTEE FOR COMMON COURSES

Each common theory course offered to more than one discipline or group, shall have a "Course Committee" comprising all the teachers teaching the common course with one of them nominated as Course Coordinator. The nomination of the Course Coordinator shall be made by the Head of the Department / Head of the Institution depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The 'Course committee' shall meet in order to arrive at a common scheme of evaluation for the test and shall ensure a uniform evaluation of the tests. Wherever feasible, the course committee may also prepare a common question paper for the internal assessment test(s).

11. SYSTEM OF EXAMINATION

11.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) University examination at the end of the semester.

11.2 Each course, both theory and practical (including project work & viva voce Examinations) shall be evaluated for a maximum of 100 marks.

For all theory and practical courses including project work, the continuous internal assessment will carry **20 marks** while the End - Semester University examination will carry **80 marks.**

11.3 Industrial training and seminar shall carry 100 marks and shall be evaluated through internal assessment only.

11.4 The University examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

11.5 The University examination for project work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.

11.6 For the University examination in both theory and practical courses including project work the internal and external examiners shall be appointed by the Controller of Examinations.

12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory and practical courses (including project work) the continuous assessment shall be for a maximum of 20 marks. The above continuous assessment shall be awarded as per the procedure given below:

12.1 THEORY COURSES

Three tests each carrying 100 marks shall be conducted during the semester by the Department / College concerned. The total marks obtained in all tests put together out of 300, shall be proportionately reduced for 20 marks and rounded to the nearest integer (This also implies equal weightage to all the three tests).

12.2 LABORATORY COURSES

The maximum marks for Internal Assessment shall be 20 in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records maintained. There shall be at least one test. The criteria for arriving at the Internal Assessment marks of 20 is as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test. The total mark shall be reduced to 20 and rounded to the nearest integer.

12.3 THEORY COURSES WITH LABORATORY COMPONENT

If there is a theory course with Laboratory component, there shall be three tests: the first two tests (each 100 marks) will be from theory portions and the third test (maximum mark 100) will be for laboratory component. The sum of marks of first two tests shall be reduced to 60 marks and the third test mark shall be reduced to 40 marks. The sum of these 100 marks may then be arrived at for 20 and rounded to the nearest integer.

12.4 PROJECT WORK

Project work may be allotted to a single student or to a group of students not exceeding 4 per group.

The Head of the Institutions shall constitute a review committee for project work for each branch of study. There shall be three reviews during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be **reduced for 20 marks** and rounded to the nearest integer (as per the scheme given in 12.4.1).

12.4.1 The project report shall carry a maximum 30 marks. The project report shall be submitted as per the approved guidelines as given by Director, Academic Courses. Same mark shall be awarded to every student within the project group for the project report. The viva-voce examination shall carry 50 marks. Marks are awarded to each student of the project group based on the individual performance in the viva-voce examination.

Review I	Review II	Review III	End semester Examinations				
			Thesis Submission (30)		Viva-Voce (50)		
5	7.5	7.5	Internal	External	Internal	External	Supervisor
			15	15	15	20	15

12.4.2 If a candidate fails to submit the project report on or before the specified deadline, he/she is deemed to have failed in the Project Work and shall re-register for the same in a subsequent semester.

12.5 OTHER EMPLOYABILITY ENHANCEMENT COURSES

(a) The seminar / Case study is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three member committee appointed by Head of the Institution will evaluate the seminar and at the end of the semester the marks can be consolidated and taken as the final mark. The evaluation shall be based on the seminar paper (40%), presentation (40%) and response to the questions asked during presentation (20%).

(b) The Industrial / Practical Training, Summer Project, Internship, shall carry 100 marks and shall be evaluated through internal assessment only. At the end of Industrial / Practical training / internship / Summer Project, the candidate shall submit a certificate from the organization where he / she has undergone training and a brief report. The evaluation will be made based on this report and a Viva-Voce Examination, conducted internally by a three member Departmental Committee constituted by the Head of the Institution. The certificates (issued by the organization) submitted by the students shall be attached to the mark list sent by the Head of the Institution to the Controller of Examinations.

12.6 ASSESSMENT FOR VALUE ADDED COURSE

The one / two credit course shall carry 100 marks and shall be evaluated through **continuous assessments only**. Two Assessments shall be conducted during the semester by the Department concerned. The total marks obtained in the tests shall be reduced to 100 marks and rounded to the nearest integer. A committee consisting of the Head of the Department, staff handling the course and a senior Faculty member nominated by the Head of the Institution shall monitor the evaluation process. The list of students along with the marks and the grades earned may be forwarded to the Controller of Examinations for appropriate action at least one month before the commencement of End Semester Examinations.

12.7 ASSESSMENT FOR ONLINE COURSES

Students may be permitted to credit one online course (which are provided with certificate) subject to a maximum of three credits. The approved list of online courses will be provided by the Centre for Academic courses from time to time. **This online course of 3 credits can be considered instead of one elective course**. The student needs to obtain certification or credit to become eligible for writing the End Semester Examination to be conducted by Anna University. **The course shall be evaluated through the End Semester Examination only conducted by Controller of Examinations, Anna University.**

12.8. Internal marks approved by the Head of the Institution shall be displayed by the respective HODs within 5 days from the last working day.

12.9 Attendance Record

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the department will put his signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years). The University or any inspection team appointed by the University may verify the records of attendance and assessment of both current and previous semesters.

13. REQUIREMENTS FOR APPEARING FOR UNIVERSITY EXAMINATIONS

A candidate shall normally be permitted to appear for the University Examinations for all the courses registered in the current semester (vide clause 6) if he/she has satisfied the semester completion requirements (subject to Clause 7).

A candidate who has already appeared for any subject in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.

14. PASSING REQUIREMENTS

14.1 A candidate who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End semester University Examinations] with a minimum of 45% of the marks prescribed for the end-semester University Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and practical courses (including project work).

14.2 If a student fails to secure a pass in a theory course (except electives), **the student shall do reappearance registration** for that course in the subsequent semester, when offered next, earn continuous assessment marks and attend the end semester examination.

14.3 If the course, in which the student has failed, is a professional elective or an open elective, the student may be permitted to register for the same or any other professional elective or open elective course in the subsequent semesters, attend the classes and fulfill the attendance requirements as per Clause 7.

14.4 If a student fails to secure a pass in a laboratory course, **the student shall register** for the course again, when offered next.

14.5 If a student fails to secure a pass in project work, **the student shall register** for the course again, when offered next.

14.6 The passing requirement for the courses which are assessed only through purely internal assessments (EEC courses except project work), is 50% of the internal assessment (continuous assessment) marks only.

14.7 If a student has failed in the final semester examination he/she may be allowed to register for the course in the next semester itself.

14.8 A student can apply for revaluation of the student's semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee along with prescribed application to the COE through the Head of the Institution. The COE will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institution. Revaluation is not permitted for laboratory course and project work.

15. AWARD OF LETTER GRADES

15.1 All assessments of a course will be evaluated on absolute marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain number of points, will be awarded as per the range of total marks (out of 100) obtained by the candidate in each subject as detailed below:

Letter Grade	Grade Points	Marks Range
O (Outstanding)	**10**	**91 - 100**
A + (Excellent)	**9**	**81 - 90**
A (Very Good)	**8**	**71 – 80**
B + (Good)	**7**	**61 – 70**
B (Average)	**6**	**50 - 60**
RA	**0**	**<50**
SA (Shortage of Attendance)	**0**	
W	**0**	

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: "O", "A+", "A", "B+","B".

'SA' denotes shortage of attendance (as per clause 7.3) and hence prevention from writing the end semester examinations. 'SA' will appear only in the result sheet.

"RA" denotes that the student has failed to pass in that course. "**W**" denotes **withdrawal** from the exam for the particular course. The grades RA and W will figure both in Marks Sheet as well as in Result Sheet). In both cases the student has to earn Continuous Assessment marks and appear for the End Semester Examinations.
If the grade W is given to course, the attendance requirement need not be satisfied.

If the grade RA is given to a core **theory course**, the attendance requirement need not be satisfied, but if the grade RA is given to a **Laboratory Course/ Project work / Seminar and any other EEC course,** the attendance requirements (vide clause 7) should be satisfied.

15.2 For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC, a satisfactory / not satisfactory grading will appear in the mark sheet. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily. The training and camp shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the second year. **A satisfactory grade in the above co-curricular activities is compulsory for the award of degree.**

15.3 The grades O, A+, A, B+, B obtained for the one credit course shall figure in the Mark sheet under the title **'Value Added Courses'**. The Courses for which the grades are RA, SA **will not figure in the mark sheet.**

Grade sheet

After results are declared, Grade Sheets will be issued to each student which will contain the following details:

- The college in which the candidate has studied
- The list of courses enrolled during the semester and the grade scored.
- The Grade Point Average (GPA) for the semester and
- The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the number of credits for the courses acquired in the semester.

CGPA will be calculated in a similar manner, considering all the courses registered from first semester. RA grades will be excluded for calculating GPA and CGPA.

$$\text{GPA / CGPA} = \frac{\sum_{i=1}^{n} C_i \, GP_i}{\sum_{i=1}^{n} C_i}$$

where C_i is the number of Credits assigned to the course

GP_i is the point corresponding to the grade obtained for each course

n is number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA

16 ELIGIBILITY FOR THE AWARD OF THE DEGREE

16.1 A student shall be declared to be eligible for the award of the B.E. / B.Tech. Degree provided the student has

i. Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.

ii. Successfully completed the course requirements, appeared for the End-Semester examinations and passed all the subjects prescribed in all the 8 semesters / (10 Semesters for B.E. Mechanical Engineering (Sandwich)) within a maximum period of 7 years (9 years in case of B.E. Mechanical Engineering (Sandwich) and 6 years in the case of Lateral Entry) reckoned from the commencement of the first (third in the case of Lateral Entry) semester to which the candidate was admitted.

iii. Successfully passed any additional courses prescribed by the Director, Academic Courses whenever readmitted under regulations R-2017 (vide clause 18.3)

iv. Successfully completed the NCC / NSS / NSO / YRC requirements.

v. No disciplinary action pending against the student.

vi. The award of Degree must have been approved by the Syndicate of the University.

16.2 CLASSIFICATION OF THE DEGREE AWARDED

16.2.1 FIRST CLASS WITH DISTINCTION

A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction:

- Should have passed the examination in all the courses of all the eight semesters (10 Semesters in case of Mechanical (Sandwich) and 6 semesters in the case of Lateral Entry) in the student's First Appearance within **five** years (Six years in the case of Mechanical (Sandwich) and Four years in the case of Lateral Entry). Withdrawal from examination (vide Clause 17) will not be considered as an appearance.
- Should have secured a CGPA of not less than 8.50
- One year authorized break of study (if availed of) is included in the five years (Six years in the case of Mechanical (Sandwich) and four years in the case of lateral entry) for award of First class with Distinction.
- Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.

16.2.2 FIRST CLASS:

A student who satisfies the following conditions shall be declared to have passed the examination in **First class**:

- Should have passed the examination in all the courses of all eight semesters (10 Semesters in case of Mechanical (Sandwich) and 6 semesters in the case of Lateral Entry) **within Six years**. (Seven years in case of Mechanical (Sandwich) and Five years in the case of Lateral Entry)
- One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of six years (Seven years in case of Mechanical (Sandwich) and five years in the case of lateral entry) for award of First class
- Should have secured a CGPA of not less than **7.00**

16.2.3 SECOND CLASS:

All other students (not covered in clauses 16.2.1 and 16.2.2) who qualify for the award of the degree **(**vide Clause 16.1) shall be declared to have passed the examination in **Second Class**.

16.3 A candidate who is absent in end semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification. (subject to clause 17 and 18)

16.4 Photocopy / Revaluation

A candidate can apply for photocopy of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of Institutions. The answer script is to be valued and justified by a faculty member, who handled the subject and recommend for revaluation with breakup of marks for each question. Based on the recommendation, the candidate can register for the revaluation through proper application to the Controller of Examinations. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Institutions. Revaluation is not permitted for practical courses and for project work.

A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

16.5 Review

Candidates not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to Controller of Examination through the Head of the Institution.

Candidates applying for Revaluation only are eligible to apply for Review.

17. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

17.1 A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by Chairman, sports board and HOD) be granted permission to withdraw from appearing for the end semester examination in any course or courses in **ANY ONE** of the semester examinations during the entire duration of the degree programme. The application shall be sent to Director, Student Affairs through the Head of the Institutions with required documents.

17.2 Withdrawal application is valid if the student is otherwise eligible to write the examination (Clause 7) and if it is made within TEN days prior to the commencement of the examination in that course or courses and recommended by the Head of the Institution and approved by the Controller of Examinations.

17.2.1 Notwithstanding the requirement of mandatory 10 days notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

17.3 In case of withdrawal from a course / courses (Clause 13) the course will figure both in Marks Sheet as well as in Result Sheet. **Withdrawal essentially requires the student to register for the course/courses** The student has to register for the course, fulfill the attendance requirements (vide clause 7), earn continuous assessment marks and attend the end semester examination. However, withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction.

17.4 Withdrawal is permitted for the end semester examinations in the final semester only if the period of study the student concerned does not exceed 5 years as per clause 16.2.1.

18. PROVISION FOR AUTHORISED BREAK OF STUDY

18.1 A student is permitted to go on break of study for a maximum period of one year as a single spell.

18.2 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to the Director, Student Affairs in advance, but not later than the last date for registering for the end semester examination of the semester in question, through the Head of the Institution stating the reasons therefore and the probable date of rejoining the programme.

18.3 The candidates permitted to rejoin the programme after break of study / prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of rejoining. The students rejoining in new Regulations shall apply to the Director, Academic Courses in the prescribed format through Head of the Institution at the beginning of the readmitted semester itself for prescribing additional courses, if any, from any semester of the regulations in-force, so as to bridge the curriculum in-force and the old curriculum.

18.4 The authorized break of study would not be counted towards the duration specified for passing all the courses for the purpose of classification (vide Clause 16.1).

18.5 The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study in order that he/she may be eligible for the award of the degree.

18.6 If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study' (Clause 18.1)

19. DISCIPLINE

19.1 Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University / College. The Head of Institution shall constitute a disciplinary committee consisting of Head of Institution, Two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the University about the disciplinary action recommended for approval. In case of any serious disciplinary action which leads to suspension or dismissal, then a committee shall be constituted including one representative from Anna University, Chennai. In this regard, the member will be nominated by the University on getting information from the Head of the Institution.

19.2 If a student indulges in malpractice in any of the University / internal examination he / she shall be liable for punitive action as prescribed by the University from time to time.

20. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The University may from time to time revise, amend or change the Regulations, Curriculum, Syllabus and scheme of examinations through the Academic Council with the approval of Syndicate.

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.E. AERONAUTICAL ENGINEERING

REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

I TO VIII SEMESTERS CURRICULA AND SYLLABI

SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics - I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
			TOTAL	31	19	0	12	25

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics - II	BS	4	4	0	0	4
3.	PH8251	Materials Science	BS	3	3	0	0	3
4.	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	ES	3	3	0	0	3
5.	GE8291	Environmental Science and Engineering	HS	3	3	0	0	3
6.	GE8292	Engineering Mechanics	ES	5	3	2	0	4
PRACTICALS								
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ES	4	0	0	4	2
			TOTAL	30	20	2	8	25

SEMESTER III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8353	Transforms and Partial Differential Equations	BS	4	4	0	0	4
2.	ME8392	Manufacturing Technology	PC	3	3	0	0	3
3.	AE8301	Aero Engineering Thermodynamics	PC	3	3	0	0	3
4.	CE8394	Fluid Mechanics and Machinery	ES	4	4	0	0	4
5.	CE8395	Strength of Materials for Mechanical Engineers	ES	3	3	0	0	3
6.	AE8302	Elements of Aeronautical Engineering	PC	3	3	0	0	3
PRACTICAL								
7.	CE8381	Strength of Materials and Fluid Mechanics & Machinery Laboratory	ES	4	0	0	4	2
8.	AE8311	Thermodynamics Laboratory	PC	4	0	0	4	2
9.	HS8381	Interpersonal Skills/Listening & Speaking	EEC	2	0	0	2	1
			TOTAL	30	20	0	10	25

SEMESTER IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8491	Numerical Methods	BS	4	4	0	0	4
2.	AE8401	Aerodynamics - I	PC	3	3	0	0	3
3.	AE8402	Aircraft Systems and Instruments	PC	3	3	0	0	3
4.	PR8451	Mechanics of Machines	PC	3	3	0	0	3
5.	AE8403	Aircraft Structures - I	PC	5	3	2	0	4
6.	AE8404	Propulsion - I	PC	5	3	2	0	4
PRACTICAL								
7.	ME8381	Computer Aided Machine Drawing	PC	4	0	0	4	2
8.	AE8411	Aerodynamics Laboratory	PC	2	0	0	2	1
			TOTAL	29	19	4	8	24

SEMESTER V

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	AE8501	Flight Dynamics	PC	5	3	2	0	4
2.	AE8502	Aircraft Structures - II	PC	5	3	2	0	4
3.	AE8503	Aerodynamics - II	PC	3	3	0	0	3
4.	AE8504	Propulsion - II	PC	3	3	0	0	3
5.	AE8505	Control Engineering	PC	3	3	0	0	3
6.		Open Elective - I	OE	3	3	0	0	3
PRACTICAL								
7.	AE8511	Aircraft Structures Laboratory	PC	4	0	0	4	2
8.	AE8512	Propulsion Laboratory	PC	2	0	0	2	1
9.	HS8581	Professional Communication	EEC	2	0	0	2	1
			TOTAL	30	18	4	8	24

SEMESTER VI

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	AE8601	Finite Element Methods	PC	3	3	0	0	3
2.	AE8602	Experimental Aerodynamics	PC	3	3	0	0	3
3.	AE8603	Composite Materials and Structures	PC	3	3	0	0	3
4.	AE8604	Aircraft Design	PC	3	3	0	0	3
5.	AE8605	Experimental Stress Analysis	PC	3	3	0	0	3
6.		Professional Elective – I	PE	3	3	0	0	3
PRACTICAL								
7.	AE8611	Aero Engine and Airframe Laboratory	PC	4	0	0	4	2
8.	AE8612	Computer Aided Simulation Laboratory	PC	4	0	0	4	2
9.	AE8613	Aircraft Design Project - I	EEC	2	0	0	2	1
			TOTAL	28	18	0	10	23

SEMESTER VII

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	GE8077	Total Quality Management	HS	3	3	0	0	3
2.	AE8751	Avionics	PC	3	3	0	0	3
3.	ME8093	Computational Fluid Dynamics	PC	3	3	0	0	3
4.		Open Elective - II	OE	3	3	0	0	3
5.		Professional Elective – II	PE	3	3	0	0	3
6.		Professional Elective – III	PE	3	3	0	0	3
PRACTICAL								
7.	AE8711	Aircraft Systems Laboratory	PC	4	0	0	4	2
8.	AE8712	Flight Integration Systems and Control Laboratory	PC	4	0	0	4	2
9.	AE8713	Aircraft Design Project - II	EEC	2	0	0	2	1
			TOTAL	28	18	0	10	23

SEMESTER VIII

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.		Professional Elective – IV	PE	3	3	0	0	3
2.		Professional Elective – V	PE	3	3	0	0	3
PRACTICAL								
3.	AE8811	Project Work	EEC	20	0	0	20	10
			TOTAL	**26**	**6**	**0**	**20**	**16**

TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE = 185

PROFESSIONAL ELECTIVES FOR B.E. AERONAUTICAL ENGINEERING

SEMESTER VI, ELECTIVE – I

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	PR8072	New Product Development	PE	3	3	0	0	3
2.	AE8001	Space Mechanics	PE	3	3	0	0	3
3.	AE8002	Aircraft General Engineering and Maintenance Practices	PE	3	3	0	0	3
4.	AE8003	Heat Transfer	PE	3	3	0	0	3
5.	GE8075	Intellectual Property Rights	PE	3	3	0	0	3
6.	GE8073	Fundamentals of Nano Science	PE	3	3	0	0	3

SEMESTER VII, ELECTIVES– II

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	AE8004	Helicopter Theory	PE	3	3	0	0	3
2.	AE8005	Aero Engine Maintenance and Repair	PE	3	3	0	0	3
3.	AE8006	UAV Systems	PE	3	3	0	0	3
4.	AE8007	Aircraft Materials	PE	3	3	0	0	3
5.	AE8008	Vibration and Elements of Aeroelasticity	PE	3	3	0	0	3
6.	GE8071	Disaster Management	PE	3	3	0	0	3

SEMESTER VII, ELECTIVES – III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	AE8009	Airframe Maintenance and Repair	PE	3	3	0	0	3
2.	AE8010	Fatigue and Fracture	PE	3	3	0	0	3
3.	PR8071	Lean Six Sigma	PE	3	3	0	0	3
4.	ME8097	Non Destructive Testing and Evaluation	PE	3	3	0	0	3
5.	GE8072	Foundation Skills in Integrated Product Development	PE	3	3	0	0	3
6.	GE8074	Human Rights	PE	3	3	0	0	3

SEMESTER VIII, ELECTIVES – IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	AE8011	Hypersonic Aerodynamics	PE	3	3	0	0	3
2.	AE8012	Wind Tunnel Techniques	PE	3	3	0	0	3
3.	AE8013	Rockets and Missiles	PE	3	3	0	0	3
4.	AE8014	Structural Dynamics	PE	3	3	0	0	3
5.	AE8015	Industrial Aerodynamics	PE	3	3	0	0	3

SEMESTER VIII, ELECTIVES – V

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	PR8491	Computer Integrated Manufacturing	PE	3	3	0	0	3
2.	AE8016	Flight Instrumentation	PE	3	3	0	0	3
3.	AE8017	Theory of Elasticity	PE	3	3	0	0	3
4.	AE8018	Air Traffic Control and Planning	PE	3	3	0	0	3
5.	MG8591	Principles of Management	PE	3	3	0	0	3
6.	GE8076	Professional Ethics in Engineering	PE	3	3	0	0	3

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	HS8381	Interpersonal Skills/Listening & Speaking	EEC	2	0	0	2	1
2.	HS8581	Professional Communication	EEC	2	0	0	2	1
3.	AE8613	Aircraft Design Project - I	EEC	2	0	0	2	1
4.	AE8713	Aircraft Design Project - II	EEC	2	0	0	2	1
5.	AE8811	Project Work	EEC	20	0	0	20	10

ANNA UNIVERSITY, CHENNAI
AFFILIATED INSTITUTIONS
B.E. COMPUTER SCIENCE AND ENGINEERING
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM
I - VIII SEMESTERS CURRICULA AND SYLLABI

SEMESTER I

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics - I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
			TOTAL	**31**	**19**	**0**	**12**	**25**

SEMESTER II

Sl.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics - II	BS	4	4	0	0	4
3.	PH8252	Physics for Information Science	BS	3	3	0	0	3
4.	BE8255	Basic Electrical, Electronics and Measurement Engineering	ES	3	3	0	0	3
5.	GE8291	Environmental Science and Engineering	HS	3	3	0	0	3
6.	CS8251	Programming in C	PC	3	3	0	0	3
PRACTICALS								
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	CS8261	C Programming Laboratory	PC	4	0	0	4	2
			TOTAL	**28**	**20**	**0**	**8**	**24**

SEMESTER III

Sl.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8351	Discrete Mathematics	BS	4	4	0	0	4
2.	CS8351	Digital Principles and System Design	ES	4	4	0	0	4
3.	CS8391	Data Structures	PC	3	3	0	0	3
4.	CS8392	Object Oriented Programming	PC	3	3	0	0	3
5.	EC8395	Communication Engineering	ES	3	3	0	0	3
PRACTICALS								
6.	CS8381	Data Structures Laboratory	PC	4	0	0	4	2
7.	CS8383	Object Oriented Programming Laboratory	PC	4	0	0	4	2
8.	CS8382	Digital Systems Laboratory	ES	4	0	0	4	2
9.	HS8381	Interpersonal Skills/Listening &Speaking	EEC	2	0	0	2	1
			TOTAL	**31**	**17**	**0**	**14**	**24**

SEMESTER IV

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8402	Probability and Queueing Theory	BS	4	4	0	0	4
2.	CS8491	Computer Architecture	PC	3	3	0	0	3
3.	CS8492	Database Management Systems	PC	3	3	0	0	3
4.	CS8451	Design and Analysis of Algorithms	PC	3	3	0	0	3
5.	CS8493	Operating Systems	PC	3	3	0	0	3
6.	CS8494	Software Engineering	PC	3	3	0	0	3
PRACTICALS								
7.	CS8481	Database Management Systems Laboratory	PC	4	0	0	4	2
8.	CS8461	Operating Systems Laboratory	PC	4	0	0	4	2
9.	HS8461	Advanced Reading and Writing	EEC	2	0	0	2	1
			TOTAL	**29**	**19**	**0**	**10**	**24**

SEMESTER V

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8551	Algebra and Number Theory	BS	4	4	0	0	4
2.	CS8591	Computer Networks	PC	3	3	0	0	3
3.	EC8691	Microprocessors and Microcontrollers	PC	3	3	0	0	3
4.	CS8501	Theory of Computation	PC	3	3	0	0	3
5.	CS8592	Object Oriented Analysis and Design	PC	3	3	0	0	3
6.		Open Elective I	OE	3	3	0	0	3
PRACTICALS								
7.	EC8681	Microprocessors and Microcontrollers Laboratory	PC	4	0	0	4	2
8.	CS8582	Object Oriented Analysis and Design Laboratory	PC	4	0	0	4	2
9.	CS8581	Networks Laboratory	PC	4	0	0	4	2
			TOTAL	**31**	**19**	**0**	**12**	**25**

SEMESTER VI

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	CS8651	Internet Programming	PC	3	3	0	0	3
2.	CS8691	Artificial Intelligence	PC	3	3	0	0	3
3.	CS8601	Mobile Computing	PC	3	3	0	0	3
4.	CS8602	Compiler Design	PC	5	3	0	2	4
5.	CS8603	Distributed Systems	PC	3	3	0	0	3
6.		Professional Elective I	PE	3	3	0	0	3
PRACTICALS								
7.	CS8661	Internet Programming Laboratory	PC	4	0	0	4	2
8.	CS8662	Mobile Application Development Laboratory	PC	4	0	0	4	2
9.	CS8611	Mini Project	EEC	2	0	0	2	1
10.	HS8581	Professional Communication	EEC	2	0	0	2	1
			TOTAL	**32**	**18**	**0**	**14**	**25**

SEMESTER VII

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MG8591	Principles of Management	HS	3	3	0	0	3
2.	CS8792	Cryptography and Network Security	PC	3	3	0	0	3
3.	CS8791	Cloud Computing	PC	3	3	0	0	3
4.		Open Elective II	OE	3	3	0	0	3
5.		Professional Elective II	PE	3	3	0	0	3
6.		Professional Elective III	PE	3	3	0	0	3
PRACTICALS								
7.	CS8711	Cloud Computing Laboratory	PC	4	0	0	4	2
8.	IT8761	Security Laboratory	PC	4	0	0	4	2
			TOTAL	**26**	**18**	**0**	**8**	**22**

SEMESTER VIII

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.		Professional Elective IV	PE	3	3	0	0	3
2.		Professional Elective V	PE	3	3	0	0	3
PRACTICALS								
3.	CS8811	Project Work	EEC	20	0	0	20	10
			TOTAL	**26**	**6**	**0**	**20**	**16**

TOTAL NO. OF CREDITS: 185

PROFESSIONAL ELECTIVES (PE)

SEMESTER VI
ELECTIVE - I

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CS8075	Data Warehousing and Data Mining	PE	3	3	0	0	3
2.	IT8076	Software Testing	PE	3	3	0	0	3
3.	IT8072	Embedded Systems	PE	3	3	0	0	3
4.	CS8072	Agile Methodologies	PE	3	3	0	0	3
5.	CS8077	Graph Theory and Applications-	PE	3	3	0	0	3
6.	IT8071	Digital Signal Processing	PE	3	3	0	0	3
7.	GE8075	Intellectual Property Rights	PE	3	3	0	0	3

SEMESTER VII
ELECTIVE - II

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CS8091	Big Data Analytics	PE	3	3	0	0	3
2.	CS8082	Machine Learning Techniques	PE	3	3	0	0	3
3.	CS8092	Computer Graphics and Multimedia	PE	3	3	0	0	3
4.	IT8075	Software Project Management	PE	3	3	0	0	3
5.	CS8081	Internet of Things	PE	3	3	0	0	3
6.	IT8074	Service Oriented Architecture	PE	3	3	0	0	3
7.	GE8077	Total Quality Management	PE	3	3	0	0	3

SEMESTER VII
ELECTIVE - III

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CS8083	Multi-core Architectures and Programming	PE	3	3	0	0	3
2.	CS8079	Human Computer Interaction	PE	3	3	0	0	3
3.	CS8073	C# and .Net Programming	PE	3	3	0	0	3
4.	CS8088	Wireless Adhoc and Sensor Networks	PE	3	3	0	0	3
5.	CS8071	Advanced Topics on Databases	PE	3	3	0	0	3
6.	GE8072	Foundation Skills in Integrated Product Development	PE	3	3	0	0	3
7.	GE8074	Human Rights	PE	3	3	0	0	3
8.	GE8071	Disaster Management	PE	3	3	0	0	3

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SEMESTER I

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics - I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
			TOTAL	**31**	**19**	**0**	**12**	**25**

SEMESTER II

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics - II	BS	4	4	0	0	4
3.	PH8253	Physics for Electronics Engineering	BS	3	3	0	0	3
4.	BE8254	Basic Electrical and Instrumentation Engineering	ES	3	3	0	0	3
5.	EC8251	Circuit Analysis	PC	4	4	0	0	4
6.	EC8252	Electronic Devices	PC	3	3	0	0	3
PRACTICALS								
7.	EC8261	Circuits and Devices Laboratory	PC	4	0	0	4	2
8.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
			TOTAL	**29**	**21**	**0**	**8**	**25**

SEMESTER VIII
ELECTIVE - IV

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	EC8093	Digital Image Processing	PE	3	3	0	0	3
2.	CS8085	Social Network Analysis	PE	3	3	0	0	3
3.	IT8073	Information Security	PE	3	3	0	0	3
4.	CS8087	Software Defined Networks	PE	3	3	0	0	3
5.	CS8074	Cyber Forensics	PE	3	3	0	0	3
6.	CS8086	Soft Computing	PE	3	3	0	0	3
7.	GE8076	Professional Ethics in Engineering	PE	3	3	0	0	3

SEMESTER VIII
ELECTIVE - V

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CS8080	Information Retrieval Techniques	PE	3	3	0	0	3
2.	CS8078	Green Computing	PE	3	3	0	0	3
3.	CS8076	GPU Architecture and Programming	PE	3	3	0	0	3
4.	CS8084	Natural Language Processing	PE	3	3	0	0	3
5.	CS8001	Parallel Algorithms	PE	3	3	0	0	3
6.	IT8077	Speech Processing	PE	3	3	0	0	3
7.	GE8073	Fundamentals of Nano Science	PE	3	3	0	0	3

SEMESTER III

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8352	Linear Algebra and Partial Differential Equations	BS	4	4	0	0	4
2.	EC8393	Fundamentals of Data Structures In C	ES	3	3	0	0	3
3.	EC8351	Electronic Circuits- I	PC	3	3	0	0	3
4.	EC8352	Signals and Systems	PC	4	4	0	0	4
5.	EC8392	Digital Electronics	PC	3	3	0	0	3
6.	EC8391	Control Systems Engineering	PC	3	3	0	0	3
PRACTICALS								
7.	EC8381	Fundamentals of Data Structures in C Laboratory	ES	4	0	0	4	2
8.	EC8361	Analog and Digital Circuits Laboratory	PC	4	0	0	4	2
9.	HS8381	Interpersonal Skills/Listening &Speaking	EEC	2	0	0	2	1
			TOTAL	**30**	**20**	**0**	**10**	**25**

SEMESTER IV

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8451	Probability and Random Processes	BS	4	4	0	0	4
2.	EC8452	Electronic Circuits II	PC	3	3	0	0	3
3.	EC8491	Communication Theory	PC	3	3	0	0	3
4.	EC8451	Electromagnetic Fields	PC	4	4	0	0	4
5.	EC8453	Linear Integrated Circuits	PC	3	3	0	0	3
6.	GE8291	Environmental Science and Engineering	HS	3	3	0	0	3
PRACTICALS								
7.	EC8461	Circuits Design and Simulation Laboratory	PC	4	0	0	4	2
8.	EC8462	Linear Integrated Circuits Laboratory	PC	4	0	0	4	2
			TOTAL	**28**	**20**	**0**	**8**	**24**

SEMESTER V

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	EC8501	Digital Communication	PC	3	3	0	0	3
2.	EC8553	Discrete-Time Signal Processing	PC	4	4	0	0	4
3.	EC8552	Computer Architecture and Organization	PC	3	3	0	0	3
4.	EC8551	Communication Networks	PC	3	3	0	0	3
5.		Professional Elective I	PE	3	3	0	0	3
6.		Open Elective I	OE	3	3	0	0	3
PRACTICALS								
7.	EC8562	Digital Signal Processing Laboratory	PC	4	0	0	4	2
8.	EC8561	Communication Systems Laboratory	PC	4	0	0	4	2
9.	EC8563	Communication Networks Laboratory	PC	4	0	0	4	2
			TOTAL	**31**	**19**	**0**	**12**	**25**

SEMESTER VI

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	EC8691	Microprocessors and Microcontrollers	PC	3	3	0	0	3
2.	EC8095	VLSI Design	PC	3	3	0	0	3
3.	EC8652	Wireless Communication	PC	3	3	0	0	3
4.	MG8591	Principles of Management	HS	3	3	0	0	3
5.	EC8651	Transmission Lines and RF Systems	PC	3	3	0	0	3
6.		Professional Elective -II	PE	3	3	0	0	3
PRACTICALS								
7.	EC8681	Microprocessors and Microcontrollers Laboratory	PC	4	0	0	4	2
8.	EC8661	VLSI Design Laboratory	PC	4	0	0	4	2
9.	EC8611	Technical Seminar	EEC	2	0	0	2	1
10.	HS8581	Professional Communication	EEC	2	0	0	2	1
			TOTAL	**30**	**18**	**0**	**12**	**24**

SEMESTER VII

Sl.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	EC8701	Antennas and Microwave Engineering	PC	3	3	0	0	3
2.	EC8751	Optical Communication	PC	3	3	0	0	3
3.	EC8791	Embedded and Real Time Systems	PC	3	3	0	0	3
4.	EC8702	Ad hoc and Wireless Sensor Networks	PC	3	3	0	0	3
5.		Professional Elective -III	PE	3	3	0	0	3
6.		Open Elective - II	OE	3	3	0	0	3
PRACTICALS								
7.	EC8711	Embedded Laboratory	PC	4	0	0	4	2
8.	EC8761	Advanced Communication Laboratory	PC	4	0	0	4	2
			TOTAL	**26**	**18**	**0**	**8**	**22**

SEMESTER VIII

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.		Professional Elective IV	PE	3	3	0	0	3
2.		Professional Elective V	PE	3	3	0	0	3
PRACTICALS								
3.	EC8811	Project Work	EEC	20	0	0	20	10
			TOTAL	**26**	**6**	**0**	**20**	**16**

TOTAL NO. OF CREDITS: 186

PROFESSIONAL ELECTIVES (PE)*

SEMESTER V

ELECTIVE I

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CS8392	Object Oriented Programming	PE	3	3	0	0	3
2.	EC8073	Medical Electronics	PE	3	3	0	0	3
3.	CS8493	Operating Systems	PE	3	3	0	0	3
4.	EC8074	Robotics and Automation	PE	3	3	0	0	3
5.	EC8075	Nano Technology and Applications	PE	3	3	0	0	3
6.	GE8074	Human Rights	PE	3	3	0	0	3
7.	GE8077	Total Quality Management	PE	3	3	0	0	3

SEMESTER VI

ELECTIVE II

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CS8792	Cryptography and Network Security	PE	3	3	0	0	3
2.	EC8091	Advanced Digital Signal Processing	PE	3	3	0	0	3
3.	EC8001	MEMS and NEMS	PE	3	3	0	0	3
4.	EC8002	Multimedia Compression and Communication	PE	3	3	0	0	3
5.	EC8003	CMOS Analog IC Design	PE	3	3	0	0	3
6.	EC8004	Wireless Networks	PE	3	3	0	0	3
7.	GE8075	Intellectual Property Rights	PE	3	3	0	0	3

SEMESTER VII

ELECTIVE III

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	EC8092	Advanced Wireless Communication	PE	3	3	0	0	3
2.	EC8071	Cognitive Radio	PE	3	3	0	0	3
3.	GE8072	Foundation Skills in Integrated Product Development	PE	3	3	0	0	3
4.	CS8082	Machine Learning Techniques	PE	3	3	0	0	3
5.	EC8005	Electronics Packaging and Testing	PE	3	3	0	0	3
6.	EC8006	Mixed Signal IC Design	PE	3	3	0	0	3
7.	GE8071	Disaster Management	PE	3	3	0	0	3

SEMESTER VIII
ELECTIVE IV

Sl.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	EC8072	Electro Magnetic Interference and Compatibility	PE	3	3	0	0	3
2.	EC8007	Low power SoC Design	PE	3	3	0	0	3
3.	EC8008	Photonic Networks	PE	3	3	0	0	3
4.	EC8009	Compressive Sensing	PE	3	3	0	0	3
5.	EC8093	Digital Image Processing	PE	3	3	0	0	3
6.	GE8076	Professional Ethics in Engineering	PE	3	3	0	0	3

SEMESTER VIII
ELECTIVE V

Sl.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	EC8010	Video Analytics	PE	3	3	0	0	3
2.	EC8011	DSP Architecture and Programming	PE	3	3	0	0	3
3.	EC8094	Satellite Communication	PE	3	3	0	0	3
4.	CS8086	Soft Computing	PE	3	3	0	0	3
5.	IT8006	Principles of Speech Processing	PE	3	3	0	0	3
6.	GE8073	Fundamentals of Nano Science	PE	3	3	0	0	3

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SEMESTER I

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics - I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
			TOTAL	**31**	**19**	**0**	**12**	**25**

SEMESTER II

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics - II	BS	4	4	0	0	4
3.	PH8253	Physics for Electronics Engineering	BS	3	3	0	0	3
4.	BE8252	Basic Civil and Mechanical Engineering	ES	4	4	0	0	4
5.	EE8251	Circuit Theory	PC	4	2	2	0	3
6.	GE8291	Environmental Science and Engineering	HS	3	3	0	0	3
PRACTICALS								
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	EE8261	Electric Circuits Laboratory	PC	4	0	0	4	2
			TOTAL	**30**	**20**	**2**	**8**	**25**

SEMESTER III

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8353	Transforms and Partial Differential Equations	BS	4	4	0	0	4
2.	EE8351	Digital Logic Circuits	PC	4	2	2	0	3
3.	EE8391	Electromagnetic Theory	PC	4	2	2	0	3
4.	EE8301	Electrical Machines - I	PC	4	2	2	0	3
5.	EC8353	Electron Devices and Circuits	ES	3	3	0	0	3
6.	ME8792	Power Plant Engineering	ES	3	3	0	0	3
PRACTICALS								
7.	EC8311	Electronics Laboratory	ES	4	0	0	4	2
8.	EE8311	Electrical Machines Laboratory - I	PC	4	0	0	4	2
			TOTAL	**30**	**16**	**6**	**8**	**23**

SEMESTER IV

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8491	Numerical Methods	BS	4	4	0	0	4
2.	EE8401	Electrical Machines - II	PC	4	2	2	0	3
3.	EE8402	Transmission and Distribution	PC	3	3	0	0	3
4.	EE8403	Measurements and Instrumentation	PC	3	3	0	0	3
5.	EE8451	Linear Integrated Circuits and Applications	PC	3	3	0	0	3
6.	IC8451	Control Systems	PC	5	3	2	0	4
PRACTICALS								
7.	EE8411	Electrical Machines Laboratory - II	PC	4	0	0	4	2
8.	EE8461	Linear and Digital Integrated Circuits Laboratory	PC	4	0	0	4	2
9.	EE8412	Technical Seminar	EEC	2	0	0	2	1
			TOTAL	**32**	**18**	**4**	**10**	**25**

SEMESTER V

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	EE8501	Power System Analysis	PC	3	3	0	0	3
2.	EE8551	Microprocessors and Microcontrollers	PC	3	3	0	0	3
3.	EE8552	Power Electronics	PC	3	3	0	0	3
4.	EE8591	Digital Signal Processing	PC	4	2	2	0	3
5.	CS8392	Object Oriented Programming	ES	3	3	0	0	3
6.		Open Elective I*	OE	3	3	0	0	3
PRACTICALS								
7.	EE8511	Control and Instrumentation Laboratory	PC	4	0	0	4	2
8.	HS8581	Professional Communication	EEC	2	0	0	2	1
9.	CS8383	Object Oriented Programming Laboratory	ES	4	0	0	4	2
			TOTAL	**29**	**17**	**2**	**10**	**23**

SEMESTER VI

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	EE8601	Solid State Drives	PC	3	3	0	0	3
2.	EE8602	Protection and Switchgear	PC	3	3	0	0	3
3.	EE8691	Embedded Systems	ES	3	3	0	0	3
4.		Professional Elective I	PE	3	3	0	0	3
5.		Professional Elective II	PE	3	3	0	0	3
PRACTICALS								
6.	EE8661	Power Electronics and Drives Laboratory	PC	4	0	0	4	2
7.	EE8681	Microprocessors and Microcontrollers Laboratory	PC	4	0	0	4	2
8.	EE8611	Mini Project	EEC	4	0	0	4	2
			TOTAL	**27**	**15**	**0**	**12**	**21**

SEMESTER VII

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	EE8701	High Voltage Engineering	PC	3	3	0	0	3
2.	EE8702	Power System Operation and Control	PC	3	3	0	0	3
3.	EE8703	Renewable Energy Systems	PC	3	3	0	0	3
4.		Open Elective II*	OE	3	3	0	0	3
5.		Professional Elective III	PE	3	3	0	0	3
6.		Professional Elective IV	PE	3	3	0	0	3
PRACTICALS								
7.	EE8711	Power System Simulation Laboratory	PC	4	0	0	4	2
8.	EE8712	Renewable Energy Systems Laboratory	PC	4	0	0	4	2
			TOTAL	**26**	**18**	**0**	**8**	**22**

SEMESTER VIII

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.		Professional Elective V	PE	3	3	0	0	3
2.		Professional Elective VI	PE	3	3	0	0	3
PRACTICALS								
3.	EE8811	Project Work	EEC	20	0	0	20	10
			TOTAL	**26**	**6**	**0**	**20**	**16**

TOTAL NO. OF CREDITS: 180

PROFESSIONAL ELECTIVE –I (VI SEMESTER)

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	IC8651	Advanced Control System	PE	4	2	2	0	3
2.	EE8001	Visual Languages and Applications	PE	3	3	0	0	3
3.	EE8002	Design of Electrical Apparatus	PE	3	3	0	0	3
4.	EE8003	Power Systems Stability	PE	3	3	0	0	3
5.	EE8004	Modern Power Converters	PE	3	3	0	0	3
6.	GE8075	Intellectual Property Rights	PE	3	3	0	0	3

PROFESSIONAL ELECTIVE – II (VI SEMESTER)

1.	RO8591	Principles of Robotics	PE	3	3	0	0	3
2.	EE8005	Special Electrical Machines	PE	3	3	0	0	3
3.	EE8006	Power Quality	PE	3	3	0	0	3
4.	EE8007	EHVAC Transmission	PE	3	3	0	0	3
5.	EC8395	Communication Engineering	PE	3	3	0	0	3

PROFESSIONAL ELECTIVE – III (VII SEMESTER)

1.	GE8071	Disaster Management	PE	3	3	0	0	3
2.	GE8074	Human Rights	PE	3	3	0	0	3
3.	MG8491	Operations Research	PE	3	3	0	0	3
4.	MA8391	Probability and Statistics	PE	4	4	0	0	4
5.	EI8075	Fibre Optics and Laser Instrumentation	PE	3	3	0	0	3
6.	GE8072	Foundation Skills in Integrated Product Development	PE	3	3	0	0	3

PROFESSIONAL ELECTIVE – IV (VII SEMESTER)

1.	EE8008	System Identification and Adaptive Control	PE	3	3	0	0	3
2.	CS8491	Computer Architecture	PE	3	3	0	0	3
3.	EE8009	Control of Electrical Drives	PE	3	3	0	0	3
4.	EC8095	VLSI Design	PE	3	3	0	0	3
5.	EE8010	Power Systems Transients	PE	3	3	0	0	3
6.	GE8077	Total Quality Management	PE	3	3	0	0	3

PROFESSIONAL ELECTIVE – V (VIII SEMESTER)

1.	EE8011	Flexible AC Transmission Systems	PE	3	3	0	0	3
2.	EE8012	Soft Computing Techniques	PE	3	3	0	0	3
3.	EE8013	Power Systems Dynamics	PE	3	3	0	0	3
4.	EE8014	SMPS and UPS	PE	3	3	0	0	3
5.	EE8015	Electric Energy Generation, Utilization and Conservation	PE	3	3	0	0	3
6.	GE8076	Professional Ethics in Engineering	PE	3	3	0	0	3
7.	MG8591	Principles of Management	PE	3	3	0	0	3

PROFESSIONAL ELECTIVE – VI (VIII SEMESTER)

1.	EE8016	Energy Management and Auditing	PE	3	3	0	0	3
2.	CS8391	Data Structures	PE	3	3	0	0	3
3.	EE8017	High Voltage Direct Current Transmission	PE	3	3	0	0	3
4.	EE8018	Microcontroller Based System Design	PE	3	3	0	0	3
5.	EE8019	Smart Grid	PE	3	3	0	0	3
6.	EI8073	Biomedical Instrumentation	PE	3	3	0	0	3
7.	GE8073	Fundamentals of Nano Science	PE	3	3	0	0	3

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SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics - I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
			TOTAL	31	19	0	12	25

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics - II	BS	4	4	0	0	4
3.	PH8251	Materials Science	BS	3	3	0	0	3
4.	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	ES	3	3	0	0	3
5.	GE8291	Environmental Science and Engineering	HS	3	3	0	0	3
6.	GE8292	Engineering Mechanics	ES	5	3	2	0	4
PRACTICALS								
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ES	4	0	0	4	2
			TOTAL	30	20	2	8	25

SEMESTER III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8353	Transforms and Partial Differential Equations	BS	4	4	0	0	4
2.	ME8391	Engineering Thermodynamics	PC	5	3	2	0	4
3.	CE8394	Fluid Mechanics and Machinery	ES	4	4	0	0	4
4.	ME8351	Manufacturing Technology - I	PC	3	3	0	0	3
5.	EE8353	Electrical Drives and Controls	ES	3	3	0	0	3
PRACTICAL								
6.	ME8361	Manufacturing Technology Laboratory - I	PC	4	0	0	4	2
7.	ME8381	Computer Aided Machine Drawing	PC	4	0	0	4	2
8.	EE8361	Electrical Engineering Laboratory	ES	4	0	0	4	2
9.	HS8381	Interpersonal Skills / Listening & Speaking	EEC	2	0	0	2	1
			TOTAL	33	17	2	14	25

SEMESTER IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8452	Statistics and Numerical Methods	BS	4	4	0	0	4
2.	ME8492	Kinematics of Machinery	PC	3	3	0	0	3
3.	ME8451	Manufacturing Technology – II	PC	3	3	0	0	3
4.	ME8491	Engineering Metallurgy	PC	3	3	0	0	3
5.	CE8395	Strength of Materials for Mechanical Engineers	ES	3	3	0	0	3
6.	ME8493	Thermal Engineering- I	PC	3	3	0	0	3
PRACTICAL								
7.	ME8462	Manufacturing Technology Laboratory – II	PC	4	0	0	4	2
8.	CE8381	Strength of Materials and Fluid Mechanics and Machinery Laboratory	ES	4	0	0	4	2
9.	HS8461	Advanced Reading and Writing	EEC	2	0	0	2	1
			TOTAL	29	19	0	10	24

SEMESTER V

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	ME8595	Thermal Engineering- II	PC	3	3	0	0	3
2.	ME8593	Design of Machine Elements	PC	3	3	0	0	3
3.	ME8501	Metrology and Measurements	PC	3	3	0	0	3
4.	ME8594	Dynamics of Machines	PC	4	4	0	0	4
5.		Open Elective I	OE	3	3	0	0	3
PRACTICAL								
6.	ME8511	Kinematics and Dynamics Laboratory	PC	4	0	0	4	2
7.	ME8512	Thermal Engineering Laboratory	PC	4	0	0	4	2
8.	ME8513	Metrology and Measurements Laboratory	PC	4	0	0	4	2
			TOTAL	28	16	0	12	22

SEMESTER VI

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	ME8651	Design of Transmission Systems	PC	3	3	0	0	3
2.	ME8691	Computer Aided Design and Manufacturing	PC	3	3	0	0	3
3.	ME8693	Heat and Mass Transfer	PC	5	3	2	0	4
4.	ME8692	Finite Element Analysis	PC	3	3	0	0	3
5.	ME8694	Hydraulics and Pneumatics	PC	3	3	0	0	3
6.		Professional Elective - I	PE	3	3	0	0	3
PRACTICAL								
7.	ME8681	CAD / CAM Laboratory	PC	4	0	0	4	2
8.	ME8682	Design and Fabrication Project	EEC	4	0	0	4	2
9.	HS8581	Professional Communication	EEC	2	0	0	2	1
			TOTAL	30	18	2	10	24

SEMESTER VII

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	ME8792	Power Plant Engineering	PC	3	3	0	0	3
2.	ME8793	Process Planning and Cost Estimation	PC	3	3	0	0	3
3.	ME8791	Mechatronics	PC	3	3	0	0	3
4.		Open Elective - II	OE	3	3	0	0	3
5.		Professional Elective – II	PE	3	3	0	0	3
6.		Professional Elective – III	PE	3	3	0	0	3
PRACTICAL								
7.	ME8711	Simulation and Analysis Laboratory	PC	4	0	0	4	2
8.	ME8781	Mechatronics Laboratory	PC	4	0	0	4	2
9.	ME8712	Technical Seminar	EEC	2	0	0	2	1
			TOTAL	**28**	**18**	**0**	**10**	**23**

SEMESTER VIII

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MG8591	Principles of Management	HS	3	3	0	0	3
2.		Professional Elective– IV	PE	3	3	0	0	3
PRACTICAL								
3.	ME8811	Project Work	EEC	20	0	0	20	10
			TOTAL	**29**	**9**	**0**	**20**	**16**

TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE = 184

PROFESSIONAL ELECTIVES FOR B.E. MECHANICAL ENGINEERING

SEMESTER VI, ELECTIVE I

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	ME8091	Automobile Engineering	PE	3	3	0	0	3
2.	PR8592	Welding Technology	PE	3	3	0	0	3
3.	ME8096	Gas Dynamics and Jet Propulsion	PE	3	3	0	0	3
4.	GE8075	Intellectual Property Rights	PE	3	3	0	0	3
5.	GE8073	Fundamentals of Nano Science	PE	3	3	0	0	3

SEMESTER VII, ELECTIVE II

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	ME8071	Refrigeration and Air conditioning	PE	3	3	0	0	3
2.	ME8072	Renewable Sources of Energy	PE	3	3	0	0	3
3.	ME8098	Quality Control and Reliability Engineering	PE	3	3	0	0	3
4.	ME8073	Unconventional Machining Processes	PE	3	3	0	0	3
5.	MG8491	Operations Research	PE	3	3	0	0	3
6.	MF8071	Additive Manufacturing	PE	3	3	0	0	3
7.	GE8077	Total Quality Management	PE	3	3	0	0	3

SEMESTER VII, ELECTIVE III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	ME8099	Robotics	PE	3	3	0	0	3
2.	ME8095	Design of Jigs, Fixtures and Press Tools	PE	3	3	0	0	3
3.	ME8093	Computational Fluid Dynamics	PE	3	3	0	0	3
4.	ME8097	Non Destructive Testing and Evaluation	PE	3	3	0	0	3
5.	ME8092	Composite Materials and Mechanics	PE	3	3	0	0	3
6.	GE8072	Foundation Skills in Integrated Product Development	PE	3	3	0	0	3
7.	GE8074	Human Rights	PE	3	3	0	0	3
8.	GE8071	Disaster Management	PE	3	3	0	0	3

SEMESTER VIII, ELECTIVE IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	IE8693	Production Planning and Control	PE	3	3	0	0	3
2.	MG8091	Entrepreneurship Development	PE	3	3	0	0	3
3.	ME8094	Computer Integrated Manufacturing Systems	PE	3	3	0	0	3
4.	ME8074	Vibration and Noise Control	PE	3	3	0	0	3
5.	EE8091	Micro Electro Mechanical Systems	PE	3	3	0	0	3
6.	GE8076	Professional Ethics in Engineering	PE	3	3	0	0	3

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	HS8381	Interpersonal Skills/Listening &	EEC	4	0	0	4	2
2.	ME8712	Technical Seminar	EEC	2	0	0	2	1
3.	ME8811	Project Work	EEC	20	0	0	20	12
4.	HS8461	Advanced Reading and Writing	EEC	2	0	0	2	1
5.	ME8682	Design and Fabrication Project	EEC	4	0	0	4	2
6.	HS8581	Professional Communication	EEC	2	0	0	2	1

ANNA UNIVERSITY, CHENNAI
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B.E. MECHATRONICS ENGINEERING
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM
I TO VIII SEMESTERS CURRICULA AND SYLLABI

SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics - I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
			TOTAL	31	19	0	12	25

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics - II	BS	4	4	0	0	4
3.	PH8251	Materials Science	BS	3	3	0	0	3
4.	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	ES	3	3	0	0	3
5.	GE8291	Environmental Science and Engineering	HS	3	3	0	0	3
6.	GE8292	Engineering Mechanics	ES	5	3	2	0	4
PRACTICALS								
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ES	4	0	0	4	2
			TOTAL	30	20	2	8	25

SEMESTER III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8353	Transforms and Partial Differential Equations	BS	4	4	0	0	4
2.	CE8395	Strength of Materials for Mechanical Engineers	ES	3	3	0	0	3
3.	CE8394	Fluid Mechanics and Machinery	ES	4	4	0	0	4
4.	EC8392	Digital Electronics	ES	3	3	0	0	3
5.	MT8301	Electrical Machines and Drives	ES	3	3	0	0	3
6.	MT8302	Analog Devices and Circuits	PC	3	3	0	0	3
PRACTICALS								
7.	CE8381	Strength of Materials and Fluid Mechanics & Machinery Laboratory	ES	4	0	0	4	2
8.	MT8311	Electrical Machines and Drives Laboratory	ES	4	0	0	4	2
9.	HS8381	Interpersonal Skills/Listening & Speaking	EEC	2	0	0	2	1
			TOTAL	30	20	0	10	25

SEMESTER IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8452	Statistics and Numerical Methods	BS	4	4	0	0	4
2.	ME8392	Manufacturing Technology	PC	3	3	0	0	3
3.	MT8491	Microprocessors and Microcontrollers	PC	3	3	0	0	3
4.	ME8492	Kinematics of Machinery	PC	3	3	0	0	3
5.	MT8401	Thermodynamics and Heat Transfer	PC	3	3	0	0	3
PRACTICALS								
6.	MT8411	Microprocessor and Microcontrollers Laboratory	PC	4	0	0	4	2
7.	ME8461	Manufacturing Technology Laboratory	PC	4	0	0	4	2
8.	ME8381	Computer Aided Machine Drawing	PC	4	0	0	4	2
9.	HS8461	Advanced Reading and Writing	EEC	2	0	0	2	1
			TOTAL	30	16	0	14	23

SEMESTER V

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	EE8552	Power Electronics	ES	3	3	0	0	3
2.	MT8591	Sensors and Instrumentation	PC	3	3	0	0	3
3.	ME8594	Dynamics of Machines	PC	4	4	0	0	4
4.	EC8391	Control Systems Engineering	ES	3	3	0	0	3
5.		Open Elective - I	OE	3	3	0	0	3
PRACTICALS								
6.	MT8511	Power Electronics Laboratory	ES	4	0	0	4	2
7.	MT8512	Sensors and Instrumentation Laboratory	PC	4	0	0	4	2
8.	ME8481	Dynamics Laboratory	PC	4	0	0	4	2
9.	HS8581	Professional Communication	EEC	2	0	0	2	1
			TOTAL	30	16	0	14	23

SEMESTER VI

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	ME8591	Applied Hydraulics and Pneumatics	PC	3	3	0	0	3
2.	MT8601	Design of Mechatronics System	PC	3	3	0	0	3
3.	ME8593	Design of Machine Elements	PC	3	3	0	0	3
4.	MT8602	Industrial Automation	PC	3	3	0	0	3
5.	MG8591	Principles of Management	HS	3	3	0	0	3
6.		Professional Elective – I	PE	3	3	0	0	3
PRACTICALS								
7.	MT8611	Applied Hydraulics and Pneumatics Laboratory	PC	4	0	0	4	2
8.	MT8612	Industrial Automation Laboratory	PC	4	0	0	4	2
9.	ME8682	Design and Fabrication Project	EEC	4	0	0	4	2
			TOTAL	30	18	0	12	24

SEMESTER VII

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	ME8691	Computer Aided Design and Manufacturing	PC	3	3	0	0	3
2.	MT8701	Robotics and Machine Vision System	PC	3	3	0	0	3
3.	MT8791	Embedded System Design	PC	4	2	0	2	3
4.		Open Elective - II	OE	3	3	0	0	3
5.		Professional Elective – II	PE	3	3	0	0	3
6.		Professional Elective - III	PE	3	3	0	0	3
PRACTICALS								
7.	MT8711	Computer Aided Design and Manufacturing Laboratory	PC	4	0	0	4	2
8.	MT8781	Robotics Laboratory	PC	4	0	0	4	2
			TOTAL	27	17	0	10	22

SEMESTER VIII

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MT8801	Automotive Electronics	PC	3	3	0	0	3
2.		Professional Elective - IV	PE	3	3	0	0	3
3.		Professional Elective – V	PE	3	3	0	0	3
PRACTICALS								
4.	MT8811	Project Work	EEC	20	0	0	20	10
			TOTAL	29	9	0	20	19

TOTAL NO. OF CREDITS:186

PROFESSIONAL ELECTIVES (PE)*

SEMESTER VI, ELECTIVE I

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	IT8071	Digital Signal Processing	PE	3	3	0	0	3
2.	MT8001	Object Oriented Programming in C++	PE	3	3	0	0	3
3.	ME8091	Automobile Engineering	PE	3	3	0	0	3
4.	GE8075	Intellectual Property Rights	PE	3	3	0	0	3
5.	GE8073	Fundamentals of Nano Science	PE	3	3	0	0	3

SEMESTER VII, ELECTIVE II

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	AN8091	Maintenance Engineering	PE	3	3	0	0	3
2.	ME8793	Process Planning and Cost Estimation	PE	3	3	0	0	3
3.	MG8491	Operations Research	PE	3	3	0	0	3
4.	MT8002	Advanced Manufacturing Technology	PE	3	3	0	0	3
5.	AE8751	Avionics	PE	3	3	0	0	3
6.	MF8071	Additive Manufacturing	PE	3	3	0	0	3
7.	GE8077	Total Quality Management	PE	3	3	0	0	3

SEMESTER VII, ELECTIVE III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	EC8093	Digital Image Processing	PE	3	3	0	0	3
2.	MT8003	Medical Mechatronics	PE	3	3	0	0	3
3.	MT8071	Virtual Instrumentation	PE	3	3	0	0	3
4.	IT8075	Software Project Management	PE	3	3	0	0	3
5.	GE8072	Foundation skills in Integrated Product Development	PE	3	3	0	0	3
6.	GE8074	Human Rights	PE	3	3	0	0	3
7.	GE8071	Disaster Management	PE	3	3	0	0	3

SEMESTER VIII, ELECTIVE IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CS8691	Artificial Intelligence	PE	3	3	0	0	3
2.	MG8091	Entrepreneurship Development	PE	3	3	0	0	3
3.	RO8791	Modeling and Simulation	PE	3	3	0	0	3
4.	EE8091	Micro Electro Mechanical Systems	PE	3	3	0	0	3

SEMESTER VIII, ELECTIVE V

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CS8492	Database Management Systems	PE	3	3	0	0	3
2.	MG8892	Marketing Management	PE	3	3	0	0	3
3.	IM8071	Product Design and Development	PE	3	3	0	0	3
4.	GE8076	Professional Ethics in Engineering	PE	3	3	0	0	3

ANNA UNIVERSITY, CHENNAI
AFFILIATED INSTITUTIONS
B.TECH. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM
I - VIII SEMESTERS CURRICULUM

SEMESTER I

Sl. No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics – I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Lab	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Lab	BS	4	0	0	4	2
			TOTAL	**31**	**19**	**0**	**12**	**25**

SEMESTER II

Sl.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8252	Linear Algebra	BS	4	4	0	0	4
3.	AD8251	Data Structures Design	PC	3	3	0	0	3
4.	GE8291	Environmental Science and Engineering	BS	3	3	0	0	3
5.	BE8255	Basic Electrical, Electronics, and Measurements Engineering	ES	3	3	0	0	3
6.	AD8252	Digital Principles and Computer Organization	ES	5	3	0	2	4
PRACTICALS								
7.	GE8261	Engineering Practices Lab	ES	4	0	0	4	2
8.	AD8261	Data Structures Design Lab	PC	4	0	0	4	2
			TOTAL	**30**	**20**	**0**	**10**	**25**

ANNA UNIVERSITY, CHENNAI
AFFILIATED INSTITUTIONS
B.TECH. COMPUTER SCIENCE AND BUSINESS SYSTEMS
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM
I - VIII SEMESTERS CURRICULUM

SEMESTER I

Sl. No.	COURSE CODE	COURSE TITLE	CATE GORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics – I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
			TOTAL	**31**	**19**	**0**	**12**	**25**

SEMESTER II

Sl. No.	COURSE CODE	COURSE TITLE	CATE GORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8252	Linear Algebra	BS	4	4	0	0	4
3.	AD8251	Data Structures Design	PC	3	3	0	0	3
4.	GE8291	Environmental Science and Engineering	ES	3	3	0	0	3
5.	BE8255	Basic Electrical, Electronics, and Measurements Engineering	HS	3	3	0	0	3
6.	AD8252	Digital Principles and Computer Organization	PC	5	3	0	2	4
PRACTICALS								
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	AD8261	Data Structures Design Laboratory	PC	4	0	0	4	2
			TOTAL	**30**	**20**	**0**	**10**	**25**

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

REGULATIONS 2017

M.E. AERONAUTICAL ENGINEERING

CHOICE BASED CREDIT SYSTEMS
I TO IV SEMESTERS (FULL TIME) CURRICULUM AND SYLLABUS

SEMESTER I

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIOD	L	T	P	C
THEORY								
1.	MA5151	Advanced Mathematical Methods	FC	4	4	0	0	4
2.	AO5151	Aerodynamics	PC	3	3	0	0	3
3.	AO5101	Aircraft Structural Mechanics	PC	5	3	2	0	4
4.	AO5102	Aerospace Propulsion	FC	5	3	2	0	4
5.	AO5103	Theory of Vibrations	PC	3	3	0	0	3
6.		Professional Elective I	PE	3	3	0	0	3
PRACTICAL								
7.	AO5161	Aerodynamics Laboratory	PC	4	0	0	4	2
8.	AO5111	Technical Seminar – I	EEC	2	0	0	2	1
			TOTAL	**29**	**19**	**4**	**6**	**24**

SEMESTER II

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIOD	L	T	P	C
THEORY								
1.	AO5251	Flight Mechanics	PC	3	3	0	0	3
2.	AO5252	Finite Element Methods	PC	5	3	2	0	4
3.	AO5253	Computational Fluid Dynamics for Aerospace Applications	PC	3	3	0	0	3
4.	AO5254	Composite Materials and Structures	PC	3	3	0	0	3
5.		Professional Elective II	PE	3	3	0	0	3
6.		Professional Elective III	PE	3	3	0	0	3
PRACTICAL								
7	AO5261	Structures Laboratory	PC	4	0	0	4	2
8	AO5211	CFD/FEA Laboratory	EEC	4	0	0	4	2
			TOTAL	**28**	**18**	**2**	**8**	**23**

SEMESTER III

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIOD	L	T	P	C
THEORY								
1.		Professional Elective IV	PE	3	3	0	0	3
2.		Professional Elective V	PE	3	3	0	0	3
PRACTICAL								
3.	AO5312	Project Work Phase I	EEC	12	0	0	12	6
4.	AO5311	Technical Seminar - II	EEC	2	0	0	2	1
			TOTAL	**20**	**6**	**0**	**14**	**13**

SEMESTER IV

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIOD	L	T	P	C
PRACTICAL								
1.	AO5411	Project Work Phase II	EEC	24	0	0	24	12
			TOTAL	**24**	**0**	**0**	**24**	**12**

TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE = 72

LIST OF ELECTIVES FOR M.E. AERONAUTICAL ENGINEERING

SEMESTER I (Elective I)

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIOD	L	T	P	C
1	AO5001	Boundary Layer Theory	PE	3	3	0	0	3
2	AO5002	Aircraft Design	PE	3	3	0	0	3
3	AO5003	Theory of Elasticity	PE	3	3	0	0	3
4	AO5071	Rocketry and Space Mechanics	PE	3	3	0	0	3
5	AO5004	Experimental Stress Analysis	PE	3	3	0	0	3

SEMESTER II (Elective II & III)

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIOD	L	T	P	C
1	AO5005	Theory of Plates and Shells	PE	3	3	0	0	3
2	AO5006	High Temperature Problems in Structures	PE	3	3	0	0	3
3	AO5074	Fatigue and Fracture Mechanics	PE	3	3	0	0	3
4	AO5007	Industrial Aerodynamics	PE	3	3	0	0	3
5	AO5091	Hypersonic Aerodynamics	PE	3	3	0	0	3
6	AO5072	Computational Heat Transfer	PE	3	3	0	0	3
7	AO5008	Wind Power Engineering	PE	3	3	0	0	3
8	AO5073	Advanced Propulsion Systems	PE	3	3	0	0	3
9	IL5091	Data Analytics	PE	3	3	0	0	3

SEMESTER III (Elective IV & V)

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIOD	L	T	P	C
1	AO5010	Aero Elasticity	PE	3	3	0	0	3
2	EY5092	Design and Analysis of Turbomachines	PE	3	3	0	0	3
3	AO5011	Helicopter Aerodynamics	PE	3	3	0	0	3
4	AO5012	Experimental Aerodynamics	PE	3	3	0	0	3
5	AO5013	High Temperature Gas Dynamics	PE	3	3	0	0	3
6	AO5075	High Speed Jet Flows	PE	3	3	0	0	3
7	AO5014	Combustion in Jet and Rocket Engines	PE	3	3	0	0	3
8	AO5015	Propeller Aerodynamics	PE	3	3	0	0	3
9	AO5009	Aircraft Guidance and Control	PE	3	3	0	0	3
10	AO5092	Avionics	PE	3	3	0	0	3

ANNA UNIVERSITY, CHENNAI
AFFILIATED INSTITUTIONS
M.E. COMMUNICATION SYSTEMS
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM
CURRICULA AND SYLLABI

SEMESTER - I

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA5154	Applied Mathematics for Communication Engineers	FC	4	4	0	0	4
2.	CU5191	Advanced Radiation Systems	PC	3	3	0	0	3
3.	CU5151	Advanced Digital Communication Techniques	PC	3	3	0	0	3
4.	AP5152	Advanced Digital Signal Processing	PC	5	3	2	0	4
5.	CU5192	Optical Networks	PC	3	3	0	0	3
6.		Professional Elective I	PE	3	3	0	0	3
PRACTICALS								
7.	CU5161	Communication Systems Laboratory	PC	4	0	0	4	2
			TOTAL	**25**	**19**	**2**	**4**	**22**

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	CU5291	Advanced Wireless Communication Systems	PC	3	3	0	0	3
2.	CU5201	MIC and RF System Design	PC	3	3	0	0	3
3.	CU5292	Electromagnetic Interference and Compatibility	PC	3	3	0	0	3
4.		Professional Elective II	PE	3	3	0	0	3
5.		Professional Elective III	PE	3	3	0	0	3
6.		Professional Elective IV	PE	3	3	0	0	3
PRACTICALS								
7.	CU5211	RF System Design Laboratory	PC	4	0	0	4	2
8.	CP5281	Term Paper Writing and Seminar	EEC	2	0	0	2	1
			TOTAL	**24**	**18**	**0**	**6**	**21**

SEMESTER III

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	CU5301	Millimeter Wave Communication	PC	3	3	0	0	3
2.		Professional Elective V	PE	3	3	0	0	3
3.		Professional Elective VI	PE	3	3	0	0	3
PRACTICALS								
4.	CU5311	Project Work Phase I	EEC	12	0	0	12	6
			TOTAL	**21**	9	**0**	**12**	**15**

SEMESTER IV

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
PRACTICALS								
1.	CU5411	Project Work Phase II	EEC	24	0	0	24	12
			TOTAL	**24**	**0**	**0**	**24**	**12**

TOTAL NO. OF CREDITS: 70

PROFESSIONAL ELECTIVES (PE)*

SEMESTER I
ELECTIVE I

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CU5091	Advanced Satellite Communication and Navigation Systems	PE	3	3	0	0	3
2.	DS5191	DSP Processor Architecture and Programming	PE	3	3	0	0	3
3.	CU5001	Analog and Mixed Mode VLSI Design	PE	3	3	0	0	3
4.	CU5092	Real Time Embedded Systems	PE	3	3	0	0	3
5.	VL5091	MEMS and NEMS	PE	3	3	0	0	3

SEMESTER II
ELECTIVE II

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CU5002	Communication Network Modeling and Simulation	PE	3	3	0	0	3
2.	CU5071	Digital Communication Receivers	PE	3	3	0	0	3
3.	CU5072	Detection and Estimation Theory	PE	3	3	0	0	3
4.	CU5073	VLSI for Wireless Communication	PE	3	3	0	0	3
5.	NC5251	Cognitive Radio Networks	PE	3	3	0	0	3

SEMESTER II
ELECTIVE III

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CU5003	Advanced Antenna Design	PE	3	3	0	0	3
2.	DS5291	Advanced Digital Image Processing	PE	3	3	0	0	3
3.	DS5292	Radar Signal Processing	PE	3	3	0	0	3
4.	CP5096	Speech Processing and Synthesis	PE	3	3	0	0	3
5.	NC5252	Advanced Wireless Networks	PE	3	3	0	0	3

SEMESTER II
ELECTIVE IV

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	CU5093	Wavelet Transforms and its Applications	PE	3	3	0	0	3
2.	EL5071	Broadband Access Technologies	PE	3	3	0	0	3
3.	CU5094	Software Defined Radio	PE	3	3	0	0	3
4.	CU5095	Space Time Wireless Communication	PE	3	3	0	0	3
5.	CU5096	Pattern Recognition and Machine Learning	PE	3	3	0	0	3

SEMESTER III
ELECTIVE V

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	NC5071	Network Routing Algorithms	PE	3	3	0	0	3
2.	CU5097	Wireless Adhoc and Sensor Networks	PE	3	3	0	0	3
3.	CP5292	Internet of Things	PE	3	3	0	0	3
4.	MU5091	Multimedia Compression Techniques	PE	3	3	0	0	3
5.	CU5074	Ultra Wide Band Communication	PE	3	3	0	0	3

SEMESTER III
ELECTIVE VI

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	MP5092	Soft Computing Techniques	PE	3	3	0	0	3
2.	NC5072	Network Processors	PE	3	3	0	0	3
3.	NE5071	Network Management	PE	3	3	0	0	3
4.	NC5291	Communication Network Security	PE	3	3	0	0	3
5.	CU5004	High Performance Switching Architectures	PE	3	3	0	0	3

ANNA UNIVERSITY, CHENNAI
AFFILIATED INSTITUTIONS
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM
MASTER OF BUSINESS ADMINISTRATION (FULL TIME)
CURRICULA AND SYLLABI I TO IV SEMESTERS

SEMESTER - I

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	BA5101	Economic Analysis for Business	PC	4	4	0	0	4
2.	BA5102	Principles of Management	PC	3	3	0	0	3
3.	BA5103	Accounting for Management	PC	4	4	0	0	4
4.	BA5104	Legal Aspects of Business	PC	3	3	0	0	3
5.	BA5105	Organizational Behaviour	PC	3	3	0	0	3
6.	BA5106	Statistics for Management	PC	3	3	0	0	3
7.	BA5107	Total Quality Management	PC	3	3	0	0	3
PRACTICALS								
8	BA5111	Spoken and Written Communication #	EEC	4	0	0	4	2
			TOTAL	27	23	0	4	25

No end semester examination is required for this course.

SEMESTER - II

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	BA5201	Applied Operations Research	PC	3	3	0	0	3
2.	BA5202	Business Research Methods	PC	3	3	0	0	3
3.	BA5203	Financial Management	PC	3	3	0	0	3
4.	BA5204	Human Resource Management	PC	3	3	0	0	3
5.	BA5205	Information Management	PC	3	3	0	0	3
6.	BA5206	Operations Management	PC	3	3	0	0	3
7	BA5207	Marketing Management	PC	4	4	0	0	4
PRACTICALS								
8	BA5211	Data Analysis and Business Modelling	EEC	4	0	0	4	2
			TOTAL	26	22	0	4	24

SEMESTER - III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	BA5301	International Business Management	PC	3	3	0	0	3
2	BA5302	Strategic Management	PC	3	3	0	0	3
3		Professional Elective I ***	PE	3	3	0	0	3
4		Professional Elective II***	PE	3	3	0	0	3
5		Professional Elective III***	PE	3	3	0	0	3
6		Professional Elective IV***	PE	3	3	0	0	3
7		Professional Elective V***	PE	3	3	0	0	3
8		Professional Elective VI***	PE	3	3	0	0	3
PRACTICALS								
9	BA5311	Summer Training	EEC	2	0	0	2	1
			TOTAL	26	24	0	2	25

*** Chosen electives should be from two streams of management of three electives each.

SEMESTER - IV

SI. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
PRACTICALS								
1.	BA5411	Project Work	EEC	24	0	0	24	12
				TOTAL	0	0	24	12

TOTAL NO. OF CREDITS:86

PROFESSIONAL ELECTIVES (PE)

FUNCTIONAL SPECIALIZATIONS

1. **Students can take three electives subjects from two functional specializations**

Or

2. **Students can take six elective subjects from any one sectoral specializations**

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
Stream/ Specialization : **Marketing Management**								
1.	BA5001	Brand Management	PE	3	3	0	0	3
2.	BA5002	Consumer Behaviour	PE	3	3	0	0	3
3.	BA5003	Customer Relationship Management	PE	3	3	0	0	3
4.	BA5004	Integrated Marketing Communication	PE	3	3	0	0	3
5.	BA5005	Retail Marketing	PE	3	3	0	0	3
6.	BA5006	Services Marketing	PE	3	3	0	0	3
7.	BA5007	Social Marketing	PE	3	3	0	0	3
Stream/ Specialization : **Financial Management**								
8.	BA5008	Banking Financial Services Management	PE	3	3	0	0	3
9.	BA5009	Corporate Finance	PE	3	3	0	0	3
10.	BA5010	Derivatives Management	PE	3	3	0	0	3
11.	BA5011	Merchant Banking and Financial Services	PE	3	3	0	0	3
12.	BA5012	Security Analysis and Portfolio Management	PE	3	3	0	0	3
13.	BA5013	Strategic Investment and Financing Decisions	PE	3	3	0	0	3
14.	BA5031	International Trade Finance	PE	3	3	0	0	3
Stream/ Specialization : **Human Resource Management**								
15.	BA5014	Entrepreneurship Development	PE	3	3	0	0	3
16.	BA5015	Industrial Relations and Labour Welfare	PE	3	3	0	0	3
17.	BA5016	Labour Legislations	PE	3	3	0	0	3
18.	BA5017	Managerial	PE	3	3	0	0	3

		Behaviour and Effectiveness						
19.	BA5018	Organizational Theory, Design and Development	PE	3	3	0	0	3
20.	BA5019	Strategic Human Resource Management	PE	3	3	0	0	3
Stream/ Specialization : **Systems Management**								
21.	BA5020	Advanced Database Management System	PE	3	3	0	0	3
22.	BA5021	Datamining for Business Intelligence	PE	3	3	0	0	3
23.	BA5022	Enterprise Resource Planning	PE	3	3	0	0	3
24.	BA5023	Software Project Management and Quality	PE	3	3	0	0	3
25.	BA5024	E-Business Management	PE	3	3	0	0	3
Stream/ Specialization : **Operations Management**								
26.	BA5025	Logistics Management	PE	3	3	0	0	3
27.	BA5026	Materials Management	PE	3	3	0	0	3
28.	BA5027	Product Design	PE	3	3	0	0	3
29.	BA5028	Project Management	PE	3	3	0	0	3
30.	BA5029	Services Operations Management	PE	3	3	0	0	3
31.	BA5030	Supply Chain Management	PE	3	3	0	0	3

SECTORAL SPECIALIZATIONS

1. **Students can take three electives subjects from two functional specializations**

or

2. **Students can take six elective subjects from any one sectoral specializations**

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
Sectoral Specialization : **Logistics and Supply Chain Management**								
1.	BA5051	Supply Chain Concepts and Planning	PE	3	3	0	0	3
2.	BA5052	Sourcing and Supply Management	PE	3	3	0	0	3
3.	BA5053	Supply Chain Inventory Management	PE	3	3	0	0	3
4.	BA5054	Supply Chain Information System	PE	3	3	0	0	3
5.	BA5055	Warehouse Management	PE	3	3	0	0	3
6.	BA5056	Transportation and Distribution Management	PE	3	3	0	0	3
7.	BA5057	Reverse and Contract Logistics	PE	3	3	0	0	3
8.	BA5058	Air Cargo Management	PE	3	3	0	0	3
9.	BA5059	Containerization and Allied Business	PE	3	3	0	0	3
10.	BA5060	Exim Management	PE	3	3	0	0	3
11.	BA5061	Fundamentals of Shipping	PE	3	3	0	0	3
12.	BA5062	Port and Terminal Management	PE	3	3	0	0	3
Sectoral Specialization :**Infrastructure and Real Estate Management**								
13.	BA5063	Infrastructure Planning Scheduling and Control	PE	3	3	0	0	3
14.	BA5064	Contracts and Arbitration	PE	3	3	0	0	3
15.	BA5065	Project Management for Infrastructure	PE	3	3	0	0	3
16.	BA5066	Management of Human Resources, Safety and Quality	PE	3	3	0	0	3
17.	BA5067	Disaster Mitigation and Management	PE	3	3	0	0	3
18.	BA5068	Economics and Financial Management in Construction	PE	3	3	0	0	3
19.	BA5069	Urban Environmental Management	PE	3	3	0	0	3
20.	BA5070	Smart Materials, Techniques and Equipments for Infrastructure	PE	3	3	0	0	3
21.	BA5071	Strategic Airport Infrastructure Management	PE	3	3	0	0	3
22.	BA5072	Real Estate Marketing and Management	PE	3	3	0	0	3
23.	BA5073	Infrastructure and Real Estate Entrepreneurship	PE	3	3	0	0	3
24.	BA5074	Valuation of Real Estate and Infrastructure Assets	PE	3	3	0	0	3

CODE OF CONDUCT FOR STUDENTS

1. The foremost objective of education is moulding the character. The college lays great emphasis on decent behavior of every student.
2. Any student found guilty of offending a staff member will be dealt with seriously and if necessary, the punishment may lead to suspension or dismissal from the college.
3. Students should not loiter in the verandhas, sit on the steps of the portico and staircases.
4. Smoking is prohibited inside the college premises.
5. Students who are found using drugs or in a drunken state will be summarily dismissed from the college.
6. Attendance is Compulsory for all working Minimum of 75% attendance is required for eligibility to write University Exam.
7. Students should be in their seats in the respective classes before the teacher enters the class.
8. Every student must attend all the classes and laboratories without fail. They should be inside their classes and laboratories at least 5 minutes before the commencement of their class. Leave can be availed only with the prior approval by HoD, class advisor and mentor
9. All must follow proper dress code. During Lab Hours tucked-in uniform with shoes. (Girls with overcoat).
10. Proper discipline, decency, decorum and dignity must be maintained in the entire campus. (both inside and outside the classes / labs)
11. Maintain cleanliness everywhere – Classrooms, Labs, Canteen and the entire surrounding.
12. Handle the equipments / machines and other tools carefully so that they are not damaged or deteriorated or made unusable (Cost of the damaged ones will be recovered). Protect the institute properties from getting damaged.
13. Scribbling on the walls & desks or doing any other kind of damage to the college property is strictly prohibited. Students will be held responsible for any such wanton damage and they will be severely penalized.
14. Use of Cell Phones in the campus is prohibited.
15. Ragging & teasing the students are criminal offence. The Indulger may be terminated from the college.
16. For any function, conference, meeting or any gathering of the kind, students should get prior permission of Class Advisor, HoD and Principal

17. Contact the Grievances Committee, Class Advisor, HoD and Principal for any difficulty or a problem.
18. Students should wear their identity card duly signed by the Principal. The cards will be issued to them immediately after admission in the college. They should wear the ID cards in the college premises. They must be able to produce the ID cards on demand by the Principal or Teachers.
19. Students riding two wheelers should wear their helmets compulsorily, and the vehicle should have valid documents (Registration certificate, insurance etc.)
20. Two wheelers are allowed to be parked inside the campus at designated places. Parking of four wheelers is not allowed inside the campus. Students must comply with the above parking regulations. Failure to do so will lose the parking privilege inside the campus.
21. Any act by a student that constitutes a charge of a violation of Government law, occurring either on or off campus, may establish cause for legal and/or disciplinary action by the College.
22. No student shall threaten, physically harm or cause discomfort to another such as would constitute an assault. Nor shall any student commit or aid in the intentional commission of an act that causes bodily harm or discomfort to the person of another such as would constitute a battery. Verbal or written communication that threatens another of a crime or offense, or threatens injury to the person, property, or reputation of another, for whatever reason is prohibited.

DRESS CODE NORMS

Students must comply with standards of dress established for safety or health reasons in specific classes.

Boys : Regular class - Shirts tucked in + shoes

Lab - Lab uniform + shoes

Functions – Formal Shirts and pants + shoes

Sports - Track suits / T- shirts + shorts + shoes

Note: No text/ Image printed Trim shirts and pants are permitted

Girls : Regular class - Chudithar with dupatta + cut shoes

Lab - Lab uniform + cut shoes

Functions – Chudidhar/Saree + cut shoes + Blazers

Sports - Track suits / T- shirts + shorts + shoe

LIBRARY RULES

- Libraries will remain open from 8.30 am to 8.00 pm on all working days.
- Students, staff joining Nehru group of institutions will be directly enrolled as members of the library.
- The users are required to sign in the Gate Register, Visitors Book or in the E- Gate register regularly.
- Students and staff of Nehru Group of institutions shall be permitted to refer the resources in all NGI libraries on production of valid ID cards.
- Alumni and outside visitors from academic institutions will be permitted to refer the resources only on production of their valid ID cards and also with the permission of the head of the institution.
- The library users are required to keep with them their id card while they are inside the library.
- Readers and visitors are requested not to carry, their personal belongings like folders, bags, jerkins, umbrellas and also books already issued by the library.
- Complete silence and strict discipline is to be maintained inside the library by all users. Every user shall ensure that no reader should feel disturbed by any act of him/her.
- Use of eatables in the library is strictly prohibited. Utmost care shall be taken by all to keep the library clean.
- Use of mobile phones is strictly prohibited in the library.
- Smoking is strictly prohibited inside the library.
- Dictionaries, Encyclopedias, Expensive books, Single copy text books, journals magazines and newsletter are meant for reference only.
- Students will be allowed to borrow as indicate below.

Users	**No of Books**	**Period of issue**
UG Students	4 books	15 days
PG Students	4 books	15 days
Research Scholars	6 books	One month

- Meritorious Students (those who secured above 70 % in the university Exams) shall be given two more books either from the book bank or from the stack for a period of 3 months.
- Renewal for a further period of 10 days will be permitted only once. However, the renewal has to be done within the due date.
- A fine of Rs 2 per day per book will be collected uniformly in all institutions for each day of delayed return.
- The students will be allowed to hold back the books with fine for a maximum period of 5 days.
- Photocopying of the whole book is not permitted.
- Any book issued at any point of time, can be recalled by the librarian at any moment.
- No book shall be taken out of the library unless it is entered in the system.
- Members proceeding on long leave or on deputation etc, for a period exceeding one month should return the documents that are borrowed.
- If a book is lost by the borrower, it should be immediately informed to the librarian in writing and the same should be traced and replaced within 15 days from the due date.
- If the borrower is not able to replace the book lost within 15 days, they have to pay double the cost of the books.
- If a document is not returned within 30 days of its due date, it shall be treated as lost and action shall be initiated to recover the cost of the document as per the prevailing rules.
- If a book is lost or damaged, the borrower should replace the book or pay double the cost of book. If a book is to be replaced, the current edition of the book will only be accepted.
- In case, one volume of the complete set is lost or Damaged, then the whole set has to be replaced.
- Once recovery is made for the lost books, return of the lost book will not be entertained.
- Books of reference (Current journals, Back volumes and project reports) shall not be permitted to be taken out of the library, but certain books placed in reference classes may be borrowed at the discretion of the librarian.
- Reservation and renewal of books is possible only through OPAC (Online Public Access Catalogues) on or before the due date.

HOSTEL RULES

- Hostel Identity Card with the parents' and guardian's photo (both the photographs should be pasted / not stapled in the space provided) with the filled in data should be attested by the Chief harden.
- The inmates are strictly not permitted to leave the hostel (to go home or outing) after 06.00 AM and before 06.00 PM. In case of emergency parents should accompany the inmates.
- Mobile phone timings: 05.00 PM to 08.30PM
- NGI staff members /students are not permitted to be the guardian for the inmates.
- In the data sheet of the student, declaration should be signed only by the parents. Guardians are not permitted to sign. Scanned copy of the data sheet will be sent to the parents who are in the foreign countries, in which they will sign and send it back to the Chief Warden.
- Parents of all the inmates including new inmates should sign in the data sheet in the presence of Chief Warden.
- Grievances should be brought to the notice of the Wardens, Deputy Chief Warden, Hostel Committee member or the Chief Warden immediately.
- The inmates are instructed to get the written permission from the Chief Warden to use the electronic gadgets like laptops, iron box, kettle, heater etc.
- The parents should permit only two visitors for their ward by mentioning the relationship with the ward.
- Visitors will be provided with Visitors pass at the main gate and verified at the Hostel gate. Visitors without Visitors Pass shall not be permitted to meet the inmates.
- Dress code should strictly be followed - inmates are not permitted to come out of the hostel in casuals.
- Study Time is between 09.00 pm to 11.00 pm. Wards are not permitted to use mobile phone during study hours.
- Inmates shall not be permitted to go out of the hostel without producing a letter of evidence, in the absence of the parent or guardian.
- All the inmates are advised to plan their travel to home in advance to avoid the last minute tension. The permission letters should get from the Class In-charge, HOD,

Deputy Chief Warden, and Chief Warden. Parents should inform the Class in-charge about their ward's leave request.

- In case of emergency (hospitalization and death) wards should get permission from Warden or Deputy Chief Warden and the parents should intimate the same to the Warden or Deputy Chief Warden.
- 16. Those who go home alone they should have permission letter from the Chief harden / Deputy Chief Warden along with their parent's acceptance letter to send their ward alone (only on unavoidable circumstances). The students should have a Photostat copy of the same to show at the main gate. If she fails to furnish these details she may not be permitted to leave the hostel. When the wards are going with their parents / guardian they should get the permission from the concerned Principal or authorized staff and Chief Warden / Deputy Chief harden.
- The permission letter for going home for vacation / outing should possess the concerned College Principal's or signature of the Person deputed by the College Principal. Without which the inmate may not be permitted to go.
- For Emergency Girl students Parent shall send a mail to nascoffice@qmail.com and nqiqirlhostel@qmail.com or fax in 0422 - 2623055.
- First year students should be accompanied by their parents or local guardian to go home and outing.
- Parents should give proper number for communication (mobile number). If there is any changes in the number parents should intimate the same to Warden and Class in-charge as early as possible.
- Students are not permitted to stay in others room without wardens' knowledge.
- It is the responsibility of the students to keep their properties (Laptop, Phones, Cash, and Ornaments etc) safely. Management has no responsibility in that.
- All the students have to get signature from Deputy Wardens between 9 pm to 10 pm forgoing home.
- Sharing of workload for the proper maintenance of the rules and regulations of the hostel the following staff members are deputed for each college.

To be Noted

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ACADEMIC CALENDAR 2020-21

JUNE, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII sem
MON	1			
TUE	2			
WED	3			
THUR	4			
FRI	5	WORLD ENVIRONMENT DAY		
SAT	6	SATURDAY		
SUN	7	SUNDAY		
MON	8			
TUE	9	FOUNDER CHAIRMAN'S REMEMBRANCE ANNIVERSARY		
WED	10			
THUR	11			
FRI	12			
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY		
MON	15			
TUE	16			
WED	17			
THUR	18			
FRI	19			
SAT	20	THIRD SATURDAY		
SUN	21	SUNDAY		
MON	22			
TUE	23			
WED	24			
THUR	25			
FRI	26			
SAT	27	SATURDAY		
SUN	28	SUNDAY		
MON	29			
TUE	30			

JULY, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
WED	1			
THUR	2			
FRI	3			
SAT	4	SATURDAY		
SUN	5	SUNDAY		
MON	6	COMMENCEMENT OF CLASS (II,III,IV YEAR)		01
TUE	7			02
WED	8			03
THUR	9			04
FRI	10	CSE - ASSOCIATION INAUGURATION		05
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13	EEE - ASSOCIATION INAUGURATION		06
TUE	14	PLACEMENT TRAINING IV YEAR		07
WED	15	VALUE ADDED - IOT TRAINING ECE - IETE SEMINAR		08
THUR	16	BRIDGE COURSE INAUGURATION		09
FRI	17	MCT - WORKSHOP		10
SAT	18	THIRD SATURDAY		
SUN	19	SUNDAY		
MON	20	CSE - IEEE & CYBERPUNK ACTIVITY		11
TUE	21	S&H – NOBLE TRAINING		12
WED	22			13
THUR	23	MECH - KNOWLEDGE CORNER ACTIVITY		14
FRI	24	MCT - VALUE ADDED TRAINING		15
SAT	25	ECE - SEMINAR – NANO ELECTRONICS EEE - WORKSHOP – MATLAB AND LAB VIEW PROGRAM, SATURDAY		16
SUN	26	SUNDAY		
MON	27	COMMENCEMENT OF CLASS (I YEAR)	01	17
TUE	28	FDP ON GENDER EQUITY IN CLASSROOM	02	18
WED	29	AERO - ASSOCIATION INAUGURATION	03	19
THUR	30	CSE - CSI ACTIVITY MCT SEMINAR	04	20
FRI	31	CSE - WORKSHOP	05	21

To be Noted

AUGUST, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
SAT	1	MCT INDUSTRIAL VISIT FRIST SATURDAY	06	22
SUN	2	SUNDAY		
MON	3	BAKRID		
TUE	4	AERO - WORKSHOP	07	23
WED	5	FRESHER'S DAY INAUGURATION	08	24
THUR	6	MCT - GUEST LECTURE	09	25
FRI	7	CSE – SEMINAR MECH - INAUGURATION OF KALAM 2020	10	26
SAT	8	SECOND SATURDAY		
SUN	9	SUNDAY		
MON	10	FIRST INTERNAL EXAMINATION (II,III,IV YEAR)	11	27
TUE	11		12	28
WED	12		13	29
THUR	13		14	30
FRI	14		15	31
SAT	15	INDEPENDENCE DAY, THIRD SATURDAY		
SUN	16	SUNDAY		
MON	17	EEE- SEMINAR	16	32
TUE	18	PARENTS MEETING (B.E. – III, V, VII Sem)	17	33
WED	19	MECH - KNOWLEDGE CORNER ACTIVITY MCT-INDUSTRIAL VISIT	18	34
THUR	20		19	35
FRI	21	ECE - VALUE ADDED TRAINING	20	36
SAT	22	VINAYAGAR CHATURTHI, FOURTH SATURDAY		
SUN	23	SUNDAY		
MON	24	KRISHNA JAYANTHI		
TUE	25		21	37
WED	26	WOMEN'S MEET(II, III & IV YEAR STUDENTS)	22	38
THUR	27	CSE - IEEE & CYBERPUNK ACTIVITY ECE - ASSOCIATION INAUGURATION	23	39
FRI	28	ONAM CELEBRATION	24	40
SAT	29	ONAM, FIFTH SATURDAY		
SUN	30	MOHARAM, ONAM, SUNDAY		
MON	31	ONAM		

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SEPTEMBER, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
TUE	1	ONAM		
WED	2	ONAM		
THUR	3		25	41
FRI	4	ECE - VALUE ADDED TRAINING	26	42
SAT	5	SATURDAY, MCT - SEMINAR	27	43
SUN	6	SUNDAY		
MON	7	SECOND INTERNAL EXAMINATION (II,III,IV YEAR), FIRST INTERNAL EXAMINATION (I YEAR)	28	44
TUE	8		29	45
WED	9		30	46
THUR	10		31	47
FRI	11		32	48
SAT	12	SECOND SATURDAY		
SUN	13	SUNDAY		
MON	14		33	49
TUE	15	ENGINEER'S DAY CELEBRATION	34	50
WED	16	CSE – FDP EEE - GUEST LECTURE	35	51
THUR	17	MCT - GUEST LECTURE	36	52
FRI	18	CSE - VALUE ADDED	37	53
SAT	19	THIRD SATURDAY		
SUN	20	SUNDAY		
MON	21	NSS - AIDS AWARENESS DAY	38	54
TUE	22	CSE - IEEE & CYBERPUNK ACTIVITY MECH - KNOWLEDGE CORNER ACTIVITY	39	55
WED	23	GENDER EQUITY AND SENSITIZATION AMONG STUDENTS	40	56
THUR	24	EEE - SEMINAR	41	57
FRI	25	MCT – SEMINAR	42	58
SAT	26	SATURDAY	43	59
SUN	27	SUNDAY		
MON	28	AERO - SEMINAR PARENTS MEETING (B.E. – III, V, VII Sem)	44	60
TUE	29		45	61
WED	30		46	62

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OCTOBER, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
THUR	1	ECE - GUEST LECTURE	47	63
FRI	2	GANDHI JAYANTHI		
SAT	3	NATURE CLUB ACTIVITY, SATURDAY	48	64
SUN	4	SUNDAY		
MON	5	THIRD INTERNAL EXAMINATION (II,III,IV YEAR)	49	65
TUE	6	PARENTS MEETING (B.E. – I Sem)	50	66
WED	7		51	67
THUR	8	SECOND INTERNAL EXAMINATION (I YEAR)	52	68
FRI	9		53	69
SAT	10	SECOND SATURDAY		
SUN	11	SUNDAY		
MON	12	MODEL TEST (II,III,IV YEAR)	54	70
TUE	13		55	71
WED	14		56	72
THUR	15		57	73
FRI	16	ENGLISH CLUB ACTIVITY	58	74
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY		
MON	19	ECE - GUEST LECTURE	59	75
TUES	20	ORIENTATION PROGRAMME (FIRST YEAR)	60	76
WED	21	NEHRU TROPHY 7TH YEAR	61	77
THUR	22		62	78
FRI	23	LAST WORKING DAY (II,III,IV YEAR)	63	79
SAT	24	SATURDAY	64	
SUN	25	AYUDHA POOJA, VIJAYA DASAMI, SUNDAY		
MON	26	COMMENCEMENT OF PRACTICAL EXAMINATION (II,III,IV YEAR)	65	
TUES	27		66	
WED	28		67	
THUR	29		68	
FRI	30	MILADI NABI		
SAT	31	BEST FACULTY AWARD FOR POLYTECHNIC COLLEGES, FIFTH SATURDAY		

To be Noted

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NOVEMBER, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
SUN	1	SUNDAY		
MON	2		69	
TUE	3		70	
WED	4		71	
THUR	5		72	
FRI	6	S&H - GUEST LECTURE	73	
SAT	7	SATURDAY	74	
SUN	8	SUNDAY		
MON	9	COMMENCEMENT OF END SEMESTER EXAMINATION (II,III,IV YEAR)	75	
TUE	10		76	
WED	11		77	
THUR	12		78	
FRI	13		79	
SAT	14	DEEPAVALI, SECOND SATURDAY		
SUN	15	SUNDAY		
MON	16		80	
TUE	17	THIRD INTERNAL EXAMINATION (I YEAR)	81	
WED	18		82	
THUR	19		83	
FRI	20		84	
SAT	21	THIRD SATURDAY		
SUN	22	SUNDAY		
MON	23		85	
TUE	24	MECH - WORKSHOP RESEARCH PAPER WRITING	86	
WED	25		87	
THUR	26		88	
FRI	27	LAST WORKING DAY (I YEAR)	89	
SAT	28	SATURDAY		
SUN	29	SUNDAY		
MON	30	COMMENCEMENT OF PRACTICAL EXAMINATION (I YEAR)		

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DECEMBER, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
			II Sem	IV,VI,VIII Sem
TUE	1			
WED	2			
THUR	3			
FRI	4			
SAT	5	FRIST SATURDAY		
SUN	6	SUNDAY		
MON	7			
TUE	8			
WED	9	COMMENCEMENT OF END SEMESTER EXAMINATION (I YEAR)		
THUR	10			
FRI	11			
SAT	12	SECOND SATURDAY		
SUN	13	SUNDAY		
MON	14	COMMENCEMENT OF CLASS (II,III,IV YEAR)		01
TUE	15	FOUNDERS DAY		02
WED	16			06
THUR	17			04
FRI	18			05
SAT	19	THIRD SATURDAY		
SUN	20	SUNDAY		
MON	21	COMMENCEMENT OF CLASS (I YEAR)	01	06
TUE	22	NATIONAL MATHEMATICS DAY – 2020 CELEBRATION	02	07
WED	23	CAREER GUIDANCE PROGRAMME	03	08
THUR	24		04	09
FRI	25	CHRISTMAS		
SAT	26	FOURTH SATURDAY		
SUN	27	SUNDAY		
MON	28		05	10
TUE	29		06	11
WED	30		07	12
THU	31		08	13

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JANUARY, 2021

DAY	DATE	PARTICULARS	WORKING DAYS	
			II Sem	IV,VI,VII I Sem
FRI	1	NEW YEAR		
SAT	2	SATURDAY		
SUN	3	SUNDAY		
MON	4	MCT - SEMINAR	09	14
TUE	5		10	15
WED	6	ECE WORKSHOP MCT WORKSHOP	11	16
THUR	7		12	17
FRI	8		13	18
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11	MECH - KNOWLEDGE CORNER ACTIVITY	14	19
TUE	12		15	20
WED	13		16	21
THUR	14	PONGAL		
FRI	15	PONGAL		
SAT	16	THIRD SATURDAY, PONGAL		
SUN	17	SUNDAY, PONGAL		
MON	18	PARENTS MEETING BEGINS (1 UG)	17	22
TUE	19		18	23
WED	20	CSE – WORKSHOP MCT GUEST LECTURE	19	24
THUR	21	EEE - GUEST LECTURE	20	25
FRI	22	CSE - WORKSHOP	21	26
SAT	23	\ SATURDAY	22	27
SUN	24	SUNDAY		
MON	25	PARENTS MEETING ENDS (1 UG) AERO -TECHNICAL LEVEL SYMPOSIUM VIHAAN 2K21	23	28
TUE	26	REPUBLIC DAY		
WED	27	INTERNAL TEST I	24	29
THUR	28		25	30
FRI	29		26	31
SAT	30	FIFTH SATURDAY	27	32
SUN	31	SUNDAY		

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FEBRUARY, 2021

DAY	DATE	PARTICULARS	WORKING DAYS	
			II Sem	IV,VI,VIII Sem
MON	1	SCINIETLA'21 (National Science Expo), AERO - SEMINAR	28	33
TUE	2		29	34
WED	3	GO GREEN EVENT	30	35
THUR	4	EEE- GUEST LECTURE MCT - GUEST LECTURE	31	36
FRI	5	AWARENESS PROGRAMME CSE - SEMINAR	32	37
SAT	6	SATURDAY	33	38
SUN	7	SUNDAY		
MON	8		34	39
TUE	9		35	40
WED	10	ECE WORKSHOP MECH - TECHNICAL SYMPOSIUM KALAM 2021 MCT - SYMPOSIUM – CYTHON 2021	36	41
THUR	11		37	42
FRI	12	EEE - WORKSHOP	38	43
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY		
MON	15		39	44
TUE	16	ECE - GUEST LECTURE	40	45
WED	17	MECH - KNOWLEDGE CORNER ACTIVITY MCT INDUSTRIAL VISIT TO SUN ALLOYS SCIENCE DAY CELEBRATION	41	46
THUR	18	MCT - GUEST LECTURE – STRESS MANAGEMENT TECHNIQUES	42	47
FRI	19		43	48
SAT	20	THIRD SATURDAY		
SUN	21	SUNDAY GRADUATION CEREMONY		
MON	22		44	49
TUE	23		45	50
WED	24	INTERNAL TEST II	46	51
THUR	25		47	52
FRI	26	SCINENCE DAY CELEBRATION	48	53
SAT	27	SATURDAY	49	54
SUN	28	SUNDAY		

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MARCH, 2021

DAY	DATE	PARTICULARS	WORKING DAYS	
			II Sem	IV,VI,VIII Sem
MON	1		50	55
TUE	2		51	56
WED	3		52	57
THUR	4	MCT – SEMINAR	53	58
FRI	5	EEE - TECHNICAL SYMPOSIUM MECH- KNOWLEDGE CORNER ACTIVITY	54	59
SAT	6	SATURDAY	55	60
SUN	7	SUNDAY		
MON	8	PI DAY CELEBRATION	56	61
TUE	9		57	62
WED	10	EEE - ASSOCIATION VALEDICTION	58	63
THUR	11	ECE - SEMINAR – IOT USING LORA	59	64
FRI	12	CSE – FDP IEEE & CYBERPUNK ACTIVITY	60	65
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY		
MON	15		61	66
TUE	16	EEE- GUEST LECTURE	62	67
WED	17	MECH- KNOWLEDGE CORNER ACTIVITY	63	68
THUR	18	SPORTS DAY	64	69
FRI	19	AVATAR'21	65	70
SAT	20	THIRD SATURDAY, COLLEGE DAY		
SUN	21	SUNDAY		
MON	22		66	71
TUE	23		67	72
WED	24	CSE - ASSOCIATION VALEDICTION	68	73
THUR	25	UGADI	69	74
FRI	26	ECE - PROJECT EXPO VIDHYUTHA 2021 EEE - SEMINAR	70	75
SAT	27	SATURDAY	71	76
SUN	28	SUNDAY		
MON	29	AERO - NATIONAL CONFERENCE ON EMERGING TRENDS IN AERONAUTICAL SCIENCE (NCETAS) CSE - CSI SEMINAR – GREEN COMPUTING	72	77
TUE	30	INTERNAL TEST III	73	78
WED	31		74	79

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APRIL, 2021

DAY	DATE	PARTICULARS	WORKING DAYS	
			II Sem	IV,VI,VIII Sem
THUR	1		75	80
FRI	2	GOOD FRIDAY		
SAT	3	SATURDAY	76	81
SUN	4	SUNDAY, EASTER		
MON	5		77	82
TUE	6		78	83
WED	7		79	84
THUR	8		80	85
FRI	9		81	86
SAT	10	SECOND SATURDAY		
SUN	11	SUNDAY		
MON	12		82	87
TUE	13		83	88
WED	14	TAMIL NEW YEAR VISHU		
THUR	15		84	89
FRI	16	LAST WORKING DAY (II, III, IV YEAR)	85	90
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY		
MON	19		86	
TUE	20		87	
WED	21		88	
THUR	22		89	
FRI	23	LAST WORKING DAY (I YEAR)	90	
SAT	24	SATURDAY		
SUN	25	SUNDAY		
MON	26			
TUE	27			
WED	28			
THUR	29			
FRI	30			

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MAY, 2021

DAY	DATE	PARTICULARS	WORKING DAYS	
			II Sem	IV,VI,VIII Sem
SAT	1	MAY DAY		
SUN	2			
MON	3	COMMENCEMENT OF UNIVERSITY EXAMINATIONS		
TUE	4			
WED	5			
THUR	6			
FRI	7			
SAT	8			
SUN	9			
MON	10			
TUE	11			
WED	12			
THUR	13			
FRI	14			
SAT	15			
SUN	16			
MON	17			
TUE	18			
WED	19			
THUR	20			
FRI	21			
SAT	22			
SUN	23			
MON	24	ID-UL FITR		
TUE	25			
WED	26			
THUR	27			
FRI	28			
SAT	29			
SUN	30			
MON	31			

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TIMETABLE (2020-21 ODD)

Period DAY	1 9:10 AM - 10:00 AM	2 10:00 AM- 10:50 AM	**Tea Break** (10:50- 11:05)	3 11:05 AM- 11:50 AM	4 11:50 AM- 12:35 PM	5 12:35 PM- 01:20 PM	**Lunch Break** (01:20- 02:00)	6 2:00 PM - 2:50 PM	7 2:50 PM - 3:40 PM	8 3:40 PM - 4:30 PM
Monday										
Tuesday										
Wednesday										
Thursday										
Friday										

TIMETABLE (2020-21 EVEN)

Period DAY	1 9:10 AM - 10:00 AM	2 10:00 AM- 10:50 AM	**Tea Break** (10:50- 11:05)	3 11:05 AM- 11:50 AM	4 11:50 AM- 12:35 PM	5 12:35 PM- 01:20 PM	**Lunch Break** (01:20- 02:00)	6 2:00 PM - 2:50 PM	7 2:50 PM - 3:40 PM	8 3:40 PM - 4:30 PM
Monday										
Tuesday										
Wednesday										
Thursday										
Friday										

Women's Welfare Committee

Prevention of sexual Harassment Cell

S.No	Name of the member	Designation	Department	Role	Phone No./ E-mail Id
1	**Dr.R.Deepa**	**Professor**	**ECE**	**Co-ordinator**	**9489212233 nietdeepa.r@nehrucolleges.com**
2	Dr.S.Subasree	Professor	CSE	Member	9894893855 nietsubasree@nehrucolleges.com
3	Dr.S.Shalini Packiam Kamala	Professor	S & H	Member	9786188268 nietshalini@nehrucolleges.com
4	Ms.B.Nandhini	Assistant Professor	EEE	Member	8056497464 nietnandhini@nehrucolleges.com
5	Ms.Baghyalaksmi	Assistant Professor	MECH	Member	7418702171 nietbaghyalakshmi@nehrucolleges.com
6	Mr.Ravishankar	Assistant Professor	MCT	Member	9894862824 nietravishankar@nehrucolleges.com
7	Mrs.R.Yasoda	Assistant Professor	MBA	Member	8668161338 nietyasoda@nehrucolleges.com

Disciplinary and Anti ragging Committee

S.No	Name of the member	Designation	Department	Role	Phone No./ E-mail Id
1	**Dr.M.Santhosh**	**Professor**	**MECH**	**Co-ordinator**	**8825952695 nietsanthosh.m@nehrucolleges.com**
2	Dr.B.R.Senthil Kumar	Professor	AERO	Member	9345451066 nietsenthilkumar.br@nehrucolleges.com
3	Dr.S.Subasree	Professor	CSE	Member	9894893855 nietsubasree@nehrucolleges.com
4	Mrs.K.Sivakami	Assistant Professor	ECE	Member	9629334339 nietsivakami@nehrucolleges.com
5	Mr.S.Daison Stallon	Assistant Professor	EEE	Member	9489745477 nietdaisonstallon@nehrucolleges.com
6	Dr.A.Sivasamy	Professor	MCT	Member	9486382032 nietsivasamy@nehrucolleges.com
7	Mrs.D.Tharani	Assistant Professor	S&H	Member	9944396502 niettharani@nehrucolleges.com

Grievances & Redressal Committee

S.No	Name of the member	Designation	Department	Role	Phone No./ E-mail Id
1	**Dr.A.Sankaran**	**Director**	**AERO**	**Chairperson**	**9486128564 nietsankaran@nehrucolleges.com**
2	Dr.S.Selvakumar	Associate Professor	AERO	Co-ordinator	9842915771 nitselvakumar@nehrucolleges.com
3	Mr.T.Krishna Prasath	Assistant Professor	CSE	Member	9894893855 nietkrishnaprasath@nehrucolleges.com
4	Mrs.K.Sivakami	Assistant Professor	ECE	Member	9629334339 nietsivakami@nehrucolleges.com
5	Dr.M.Mano Raja Paul	Assistant Professor	EEE	Member	9994239006 nietmanorajapaul@nehrucolleges.com
6	Dr.S.Jeevanantham	Associate Professor	MECH	Member	9894836280 nietjeevanantham.s@nehrucolleges.com
7	Dr.A.Sivasamy	Professor	MCT	Member	9486382023 nietsivasamy@nehrucolleges.com
8	Dr.P.Gunasekaran	Associate Professor	S&H	Member	9943011536 nietgunasekaran@nehrucolleges.com

LIST OF TEACHING FACULTY

Department of Mechanical Engineering			
S. No	**Name of Full time Teachers**	**Qualification**	**Designation**
1	Dr. V. S. Thangarasu	B.E., M.E., Ph.D.	Professor
2	Dr.K.Anganan	B.E., M.E., Ph.D.	Professor
3	Dr.P.Elumalai	B.E., M.E., Ph.D.	Professor
4	Dr P Senthilkumar	B.E., M.E., Ph.D.	Associate Professor
5	Dr. S. Jeevanantham	B.E., M.E., Ph.D.,	Associate Professor
6	Dr. V.M.M. Thilak	B.E., M.E., Ph.D.,	Associate Professor
7	Mr. M. Madhusuthanan	B.E., M.E.	Assistant Professor
8	Mrs. P. Bagyalakshmi	B.E., M.E.	Assistant Professor
9	Mr. L Franklin Arokiya Raj	B.E., M.E.	Assistant Professor
10	Mr. R. Suresh Babu	B.E., M.E.	Assistant Professor
11	Mr. S. Nishanth	B.E., M.E.	Assistant Professor
12	Mr. D. Sathishkumar	B.E., M.E.	Assistant Professor
13	Mr. R. Vinothkumar	B.E., M.E.	Assistant Professor
14	Mr. A. Nandagopal	B.E., M.E.	Assistant Professor
15	Mr. AL. Arumugam	B.E., M.E.	Assistant Professor
16	Mr. CP. Praveen	B.E., M.E.	Assistant Professor
17	Mr. I. M. Karthiheyan	B.E., M.E.	Assistant Professor
18	Mr.K.Lathesh	B.E., M.Tech	Assistant Professor
19	Mr. P. Divagarprabhu	B.E., M.E.	Assistant Professor
20	Mrs.C.Prabha	B.E., M.Tech	Assistant Professor
21	Mr. Logeswaran	B.E., M.E.	Assistant Professor
22	Mr. S. Santhosh kumar	B.E., M.E.	Assistant Professor
23	Mr.Ramesh Kumar S	B.E., M.E.	Assistant Professor
24	Mr.S.Arivazhagan	B.E., M.E.	Assistant Professor

Department of Aeronautical Engineering			
S.No.	**Name of Full time Teachers**	**Qualification**	**Designation**
1	Dr. P. Maniarasan	B.E.,M.E., Ph.D.	Professor and Principal
2	Dr. B. R. Senthil Kumar	B.E.,M.E., Ph.D.	Professor
3	Dr. V. Sankar	B.E.,M.E., Ph.D.	Professor
4	Dr.M.Santhosh	B.E.,M.E., Ph.D.	Professor
5	Dr.P.Murugesan	B.E.,M.E., Ph.D.	Professor
6	Dr.C.R.Raajesh Krishna	B.E.,M.E., Ph.D.	Associate Professor
7	Dr.S.P.Arun Kumar	B.E.,M.E., Ph.D.	Associate Professor
8	Mr. B.B. Raj Kumar	B.E.,M.E.	Assistant Professor
9	Mr. J. Karthikeyan	B.Tech., M.E.	Assistant Professor

10	Mr. L. Oblisamy	B.E.,M.E.	Assistant Professor
11	Ms. A. Senthamilselvi	B.E., M.Tech.	Assistant Professor
12	Mr. M. K. Jayakumar	B.Tech., M. Tech.	Assistant Professor
13	Mr. R. Kousik Kumaar	B.E., M.Tech.	Assistant Professor
14	Mr. M. Manivel	B.E.,M.E.	Assistant Professor
15	Mr. S. Balaji	B.E.,M.E.	Assistant Professor
16	Mr. V. Dinesh Babu	B.E., M.Tech.	Assistant Professor
17	Ms. Deepthi Mol. S. S	B.E.,M.E.	Assistant Professor
18	Ms.B.Antony Dasnivas Jasmine	B.E.,M.E.	Assistant Professor
19	Mr. A. Basithrahman	B.E.,M.E.	Assistant Professor
20	Ms. S. Abirami	B.E.,M.E.	Assistant Professor
21	Ms. G. SelvaPreethi	B.E.,M.E.	Assistant Professor
22	Mr.M.Kesavan	B.E.,M.E.	Assistant Professor
23	Mr. V. Raj Kamal	B.E.,M.E.	Assistant Professor
24	Mr.S.Mageshwaran	B.E.,M.E.	Assistant Professor
25	Mr.A.Ajith	B.E.,M.E.	Assistant Professor
26	Mr.G.Gowrishankar	B.E.,M.E.	Assistant Professor
27	Mrs.Baagam Priyal R	B.E.,M.E.	Assistant Professor

Department of Electrical and Electronics Engineering			
S.No	**Name of Full time Teacher**	**Qualification**	**Designation**
1	Dr.R.Kannan	B.E, M.E, Ph.D.	Professor
2	Dr.S.Sakthivel	B.E, M.E, Ph.D.	Professor
3	Dr.R.Anand	B.E, M.E, Ph.D.	Associate Professor
4	Mr.A.Arulkumar	B.E.,M.E.	Assistant Professor
5	Dr.M.Manorajapaul	B.E.,M.E.	Assistant Professor
6	Mr. S. Daison Stallon	B.E.,M.E.	Assistant Professor
7	Mrs.B.Nandhini	B.E.,M.E.	Assistant Professor
8	Mr.K.Edison Prabhu	B.E.,M.E.	Assistant Professor
9	Mr.S.Arun Kumar	B.E.,M.E.	Assistant Professor

Department of Electronics and Communication Engineering			
S.No.	**Name of Full time teacher**	**Qualification**	**Designation**
1	Dr.V.Jayaraj	B.E.,M.E.,Ph.D.	Professor
2	Dr.M.A.Raja	B.E.,M.E.,Ph.D.	Professor
3	Dr.R.Deepa	B.E.,M.E.,Ph.D.	Professor
4	Ms.M.Jeba Paulin	B.E.,M.E.	Assistant Professor
5	Mr.K.Nagarajan	B.E.,M.E.	Assistant Professor
6	Ms.S.M.Deepa	B.E.,M.E.	Assistant Professor
7	Mr.P.Parthiban	B.E.,M.E.	Assistant Professor
8	Ms.K.Sivakami	B.E.,M.E.	Assistant Professor

9	Mr.T. Prabu	B.E.,M.E.	Assistant Professor
10	Ms.V.S. Vaisakhi	B.E.,M.E.	Assistant Professor
11	M.Mohammed Kasim	B.E.,M.E.	Assistant Professor
12	V.Vinod Kumar	B.E.,M.E.	Assistant Professor
13	S.Mohan	B.E.,M.E.	Assistant Professor
14	Ms.K.R.N.Aswini	B.E.,M.E.	Assistant Professor
15	Mrs.K.Alamelu Mangai	B.E.,M.E.	Assistant Professor
16	Ms.N.Revathi	B.E.,M.E.	Assistant Professor
17	Mr.K.Haribabu	B.E.,M.E.	Assistant Professor

Department of Computer Science and Engineering			
S.No.	**Name of Full time teacher**	**Qualification**	**Designation**
1	Dr A.Suresh	B.E.,M.E.,Ph.D.	Professor
2	Dr S.Subasree	M.Tech.,Ph.D	Professor
3	Dr.D.Sathish Kumar	B.E.,M.E.,Ph.D.	Associate Professor
4	Mr.T.Krishnaprasath	B.E.,M.E.	Assistant Professor
5	Ms.A. Reyana	B.E.,M.E.	Assistant Professor
6	Ms Priya S	B.E.,M.E.	Assistant Professor
7	Mr Jeevanatham G	B.E.,M.Tech.	Assistant Professor
8	Ms Jothimani S	B.E.,M.Tech.	Assistant Professor
9	Ms Gnanakumari R	B.E.,M.E.	Assistant Professor
10	Mr Mani S	B.E.,M.E.	Assistant Professor
11	Mr Krishnakumar L	B.E.,M.E.	Assistant Professor
12	Mr.P.Arulselvam	B.E.,M.E.	Assistant Professor

	Department of Mechatronics Engineering (2+1+15 = 18)		
S.No.	**Name of Full time teacher**	**Qualification**	**Designation**
1	Dr.Selvam S	M.Tech.,Ph.D	Professor
2	Dr. A. Sivasamy	B.E., M.E., Ph.D.	Professor
3	Dr.M.Maheswaran	B.E., M.E., Ph.D.	Associate Professor
4	Mr.P.Ravishankar	B.E.,M.E.	Assistant Professor
5	Mr.Manivel C	B.E.,M.E.	Assistant Professor
6	Mr.S.Arun Kumar	B.E.,M.E.	Assistant Professor
7	Mr.Sethuraman M	B.E.,M.E.	Assistant Professor
8	Mr.Balakrishnan M	B.E.,M.E.	Assistant Professor
9	Mr.Raghunayagan P	B.E.,M.E.	Assistant Professor
10	Mr.A. Koilraj	B.E., M.Tech.	Assistant Professor
11	Ms.R.Vinushree	B.E.,M.E.	Assistant Professor
12	Mr.R.Sivakumar	B.E.,M.E.	Assistant professor

13	Mr.D.Saravanakumar	B.E.,M.E.	Assistant professor
14	Ms.Shiny Jasmine	B.E.,M.E.	Assistant Professor
15	Ms.Megala K	B.E.,M.E.	Assistant Professor
16	Ms.Sakthi Ilakkiya	B.E.,M.E.	Assistant Professor
17	Mr.T.Udhayakumar	B.E.,M.E.	Assistant Professor
18	Mr.G.Krishna Kumar	B.E.,M.E.	Assistant Professor

Department of Master of Business Administration			
S.No.	**Name of Full time teacher**	**Qualification**	**Designation**
1	Dr. P. T. Vijaya Rajakumar	MBA.,M.Phil.,Ph.D	Professor and Director
2	Dr. S. Prakash	MBA.,Ph.D	Professor
3	Dr.M.Ramesh Kumar	MBA.,Ph.D	Associate Professor
4	Ms..R.Yasodha	B.Com.,MBA	Assistant Professor
5	Ms.M.Nanthini	B.Com.,MBA	Assistant Professor
6	Mr.Madhan Kumar S	B.Com.,MBA	Assistant Professor

Department of Science and Humanities			
S.No	**Name of Full time teacher**	**Qualification**	**Designation**
1	Dr.S.Shalini Packiam Kamala	M.Sc.,M.Phil.,Ph.D	Professor&Head
2	Dr.T.Jayaprakash	M.Sc M.Phil ,PhD	Associate Professor
3	Mrs.N.Sathyapriya	M.Sc M.Phil ,Ph.D	Assistant Professor
4	Mr.R.Vinothini	M.Sc.,M.Phil	Assistant Professor
5	Dr K Parimalagandhi	M.Sc M.Phil	Professor
6	Dr.T.Brindha	M.Sc M.Phil	Assistant Professor
7	Mrs.A.Lakshmi Priya	M.Sc.,M.Phil	Assistant Professor
8	Ms.S.Jenisha	M.Sc.,M.Phil	Assistant Professor
9	Mr.Saravana Kumar	M.Sc.,M.Phil	Assistant Professor
10	Mrs.D.Tharani	M.Sc.,M.Phil	Assistant Professor
11	Dr.R.G.Janagiraaman	M.A M.Phil.,Ph.D	Professor
12	Dr.S.Shanthi	M.A M.Phil.,Ph.D	Associate Professor
13	Dr.R.Deepa	M.A M.Phil.,Ph.D	Associate Professor
14	Mrs.A.Thangamani	M.A M.Phil	Assistant Professor
15	Mr.Pradeek	M.A M.Phil	Assistant Professor
16	Mr.M.Sarah	M.A M.Phil	Assistant Professor
17	Dr B Selvaraj	M.Sc.,M.Phil., Ph.D	Professor
18	Dr.S..Easwaran	M.Sc.,M.Phil., Ph.D	Professor
19	Dr.M.Nagarajan	M.Sc.,M.Phil., Ph.D	Associate Professor
20	Ms.N.C.Leenu	M.Sc., M.Phil	Assistant Professor

21	Mrs.T.Nithya annapoorani	M.Sc.,M.Phil	Assistant Professor
22	Mr.S.P.Jothiprakash	M.Sc., M.Phil	Assistant Professor
23	Mrs.S.Gayathri Prabha	M.Sc., M.Phil	Assistant Professor
24	Mrs.M.Buvanasankari	M.Sc., M.Phil	Assistant Professor
25	Mrs.M.Kalaiarasi	M.Sc., M.Phil	Assistant Professor
26	Mr.K.Ramesh	M.Sc., M.Phil	Assistant Professor
27	Ms.R.Ilakiya	M.Sc., M.Phil	Assistant Professor
28	Ms.J.Shalini dharanya	M.Sc., M.Phil	Assistant Professor
29	Ms.R.Kavitha	M.Sc., M.Phil	Assistant Professor
30	Ms.Arun Priya	M.Sc., M.Phil	Assistant Professor
31	Ms.K.Senthamil Selvi	M.Sc M.Phil	Assistant Professor
32	Mr.P.Karthikeyan	B.E.,M.E.	Assistant Professor
33	Mr.Sanakyan	B.E.,M.E.	Assistant Professor
34	Mr.R.Singara Vadivelu	B.E.,M.E.	Assistant Professor

NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY
T. M. Palayam, Coimbatore-641 105
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC, Recognized by UGC with Section 2(f) and 12(B)

Academic Year

2019-2020

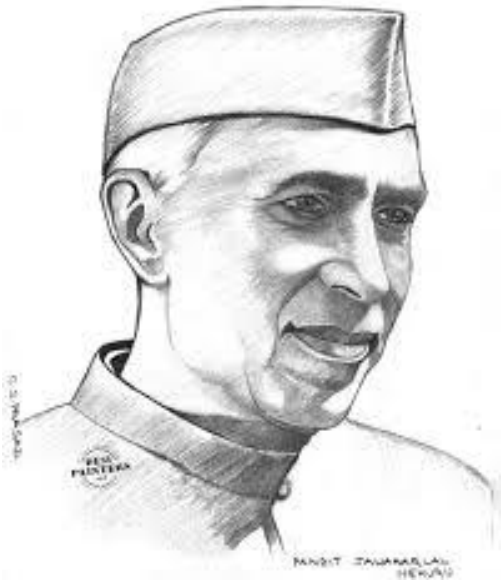
Nehru Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

(Accredited by NAAC, Recognized by UGC with 2(f) & 12(B))

"Nehru Gardens", T. M. Palayam (Post), Coimbatore - 641 105

Web: www.nehrucolleges.org



To be noble, we must be clear in thought, courtesy in manner, graceful in speech, and honest in deed.

- Jawaharlal Nehru

Calendar 2019 - 2020

A Tribute to a Great Leader

Biography of Founder Chairman

Shri. P. K. Das,

The Bhishmacharya of Education

Whenever we hear the name, Nehru College, immediately the name of our Chairman Shri. P. K. Das comes to our mind. Our Chairman's name is synonymous with Nehru Colleges, which stand as Hall Mark of Quality in the field of higher education. Starting from scratch in 1968, this great Leader spent each ounce of his energy and sweat to establish 20 prestigious Institutions in Tamil Nadu and Kerala. Through his hard toil, sweat, firm determination and strict self discipline, he established Nehru College of Aeronautics and Applied Sciences at Kuniamuthur, Coimbatore in 1968. Besides this College, he established Engineering Colleges, Arts & Science College, Pharmacy College, Aviation Institute, Super Specialty Hospital with Medical College, Management Colleges, Architecture College and Academy of Law in Tamil Nadu and Kerala.

He was hardly 29 years of age in 1968, when he started his career as an Academician at Coimbatore. The meteoric rise of this great personality in the field of technical and higher education was phenomenal and great.

A humble beginning was made. Despite innumerable difficulties and insurmountable obstacles he had to face with, he didn't budge an inch, but forged ahead with firm determination and iron will, to accomplish success after success. Year after year, he was reaping rich dividends and accolades. He was standing like a Colossus. The flag ship institution namely Nehru College of Aeronautics & Applied Sciences has emerged as a unique institution in this country. This College is the only one with so many specializations in Aeronautical Maintenance Engineering. In the field of Applied Sciences, several branches for B.Sc. degree courses in Aeronautical Engineering, Electronics, Computer Science and Avionics and MBA in Air Line and Airport Management were started there. The quality maintained here speaks volumes about the Founder Chairman Shri. P. K. Das.

He added golden feather to his cap, by starting a huge and prestigious Nehru College of Arts and Science in a new campus at Thirumalayampalayam. There are 2 Engineering Colleges and 3 Management Colleges at Thirumalayampalayam and Kaliapuram, in the outskirts of Coimbatore. At Pampady in Kerala, he started Nehru College of Engineering & Research Centre and later on Nehru College of Pharmacy. At Lakkidi in Palakkad District, he started Jawaharlal College of Engineering and Technology. In 2010, Jawaharlal Aviation Institute was started at Lakkidi. A Super Specialty hospital named as P. K. Das Institute of Medical Sciences has been established at Vaniamkulam. All these have been conceived and nurtured under his close supervision. The efficient functioning and quality maintained in these institutions are testimonies to his diligence, greatness and success.

The might and strength of our beloved Chairman are etched deeply and are eloquently evident from the functioning of these Institutions. He was a simple, humble, noble and straight forward person, with aristocratic behavioral traits. He was a tall, handsome and commanding personality not only physically, but also intellectually and behaviorally. Those who come in contact with him cannot forget his magnificent virtues and everlasting affection. He has left a great void, which can never be filled. Though he has left us at an untimely moment, still his wishes, aspirations and blessings surround us and energize us.

We see our beloved Chairman through his sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar. Our Chairman was an industrialist par excellence. We shall remember him and his benevolence throughout lives. We offer one thousand salutes to this Bhishmacharya of Higher Education.

Shri. P. K. DAS

F.I.E., F.I.Mech.E., A.F.R.Ae.S. (Lond) M.Ae.S.I. M.S., C. Engg.

Founder Chairman

Nehru Group of Institutions

Tamilnadu & Kerala

“Make “NIET” to Respond to the needs of the Society “

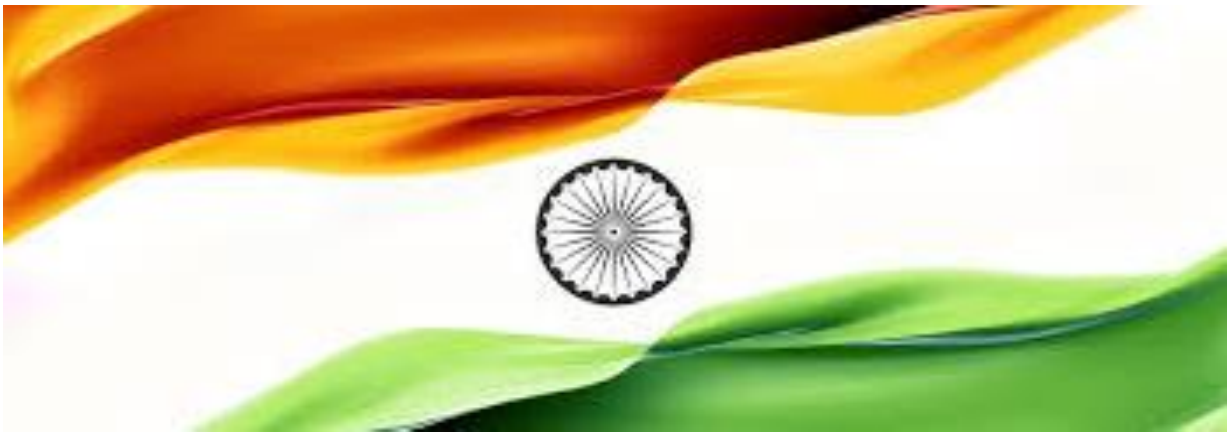
“Mould “NIET” for Protecting “Value System” for Education “

VISION

Our vision is to mould the youngsters to acquire sound knowledge in technical and scientific fields to face the future challenges by continuous upgradation of all resources and processes for the benefit of humanity as envisaged by our great leader Pandit Jawaharlal Nehru.

MISSION

- To build a strong centre of learning and research in engineering and technology.
- To facilitate the youth to learn and imbibe discipline, culture and spirituality.
- To produce quality engineers, dedicated scientists and leaders.
- To encourage entrepreneurship.
- To face the challenging needs of the global industries.



India is my country
and all Indians are my brothers and sisters.
I love my country
and I am proud of its rich and varied heritage.
I shall always strive to be worthy of it.
I shall give respect to my parents, teachers
and all elders and treat everyone with courtesy.
To my country and my people,
I pledge my devotion.
In their well-being and prosperity alone
lies my happiness.

PERSONAL MEMORANDA

1. Name : .....

2. Class & Roll No. : .....

3. Name of the Parent: ..... Guardian: .....

4. Permanent Address:.....

.....

Pin:.....Tel. /Cell: .....

5. Present Address: .....

.....Pin: .....

Mobile: ..... E-Mail: .....

6. Date of Birth : .....

7. Driving License No. : .....

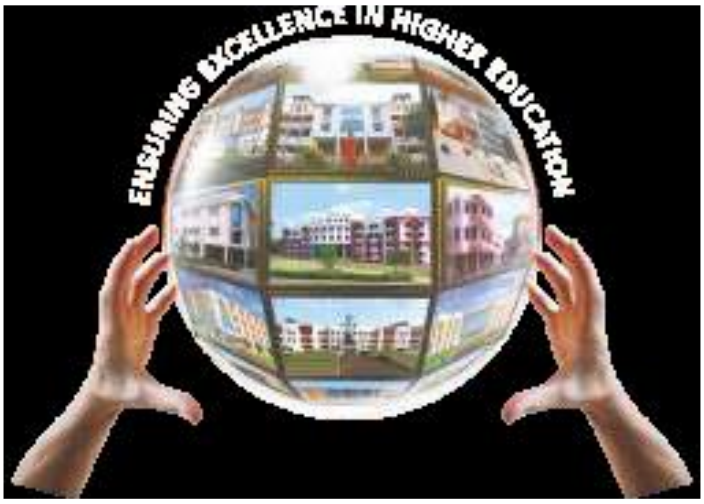
8. Insurance Policy No. : .....

9. Bank A/C No. : .....

10. Blood Group : .....

11. Day Scholar / Hosteller : .....

12. Emergency Contact No. : .....



About NEHRU GROUP OF INSTITUTIONS

The biggest conglomeration of Established Educational Institutions in Tamil Nadu and Kerala, befittingly christened after the name of Pandit Jawaharlal Nehru and pertinently known as 'Nehru Group of Institutions' was the fruition of long cherished dreams, ideals and ambitions of our Founder Chairman Shri. P. K. Das F.I.R., F.I.Mech.E., M.S. Engg., M.Ae.S.I., A.F.R.Ae.S (London), C. Engg., who was a great visionary with missionary zeal, a Chartered Engineer with reputation of the highest order, an Industrialist with extraordinary entrepreneurial spirit and a Philanthropist with benevolent and humanitarian approaches.

As an erudite and enlightened educationist, excellently endowed with extraordinary talents and tenacity, he has built up a galaxy of glorious institutions, running courses of interest to the students relevant to the present day requirements and required to imbibe specialized knowledge to the students to gain cutting-edge competencies.

Ever since its inception in 1968, it has grown from strength to strength and has blossomed into the biggest group, having at present 20 institutions, recognized by regulatory authorities like Universities and UGC, Accredited by AICTE and NAAC, PCI, DGCA, Certified by Internationally renowned ISO certifying agencies and resolved to render selfless, dedicated and devoted service to the cause of higher education in the relevant and rewarding fields of Engineering, Management, Commerce, Information Technology, Aeronautical Engineering, Industrial Training, Medical, Pharmacy, Architecture and Law.

The legacy left behind by our late chairman has been bequeathed by his two illustrious sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar by assuming offices of Chairman & Managing Trustee and CEO - Secretary respectively. They are totally committed and deeply involved in up keeping the traditions and upgrading the values of the institutions to the unimaginable heights of pride, prosperity and popularity. The running pages are pinning the hopes, faiths and confidence of all concern by unfolding the ultra modern infrastructure instituted carefully and liberally at every educational institution under their able management.

About NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Nehru Institute of Engineering and Technology, Approved by AICTE - New Delhi, Affiliated to Anna University – Chennai, Accredited by NAAC and Recognized by UGC with 2(f) and 12(B) is established in the year 2006, under the able leadership of our Founder Chairman, Shri. P. K. Das it has completed more than a decade in educational service and the institute is marching ahead towards achieving the Vision and Mission of our Founder Chairman under the guidance of our Chairman & Managing Trustee Adv. Dr. P. Krishna Das, and our beloved CEO and Secretary Dr. P. Krishna Kumar.

In completing its tenth year of establishment, NIET has successfully completed its NAAC Accreditation, Recognized by UGC with 2(f) and 12 (B) by extending its wings and included in itself 6 Undergraduate Programmes and 3 Master Programmes in Engineering along with MBA with a total strength of students exceeding 2500 in number.

NIET is well-equipped with excellent infrastructure, dedicated team of eminent faculty members and laboratories with modern facilities. NIET has become one of the pioneer institutions in engineering in the region.

NIET is marching ahead in its road to success by showing continuous improvement in producing good academic results with university ranks in almost all the departments. A total of fifteen university ranks are secured during the academic year 2018-2019. NIET has marked tremendous improvement in the placement record of our students during the academic year 2018-2019.

The Institute’s main agenda is to achieve excellence in the field of technical education in order to satisfy the customers and society with the best talented technocrats from this temple of learning.

Courses Offered

B. E.

- Aeronautical Engineering
- Mechanical Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Mechatronics Engineering

M.E.

- Aeronautical Engineering
- Communication Systems
- Embedded System Technologies

MBA (Master of Business Administration)

- Dual Specialization offered: -
- Finance
- Human Resource
- Marketing
- Systems
- Production

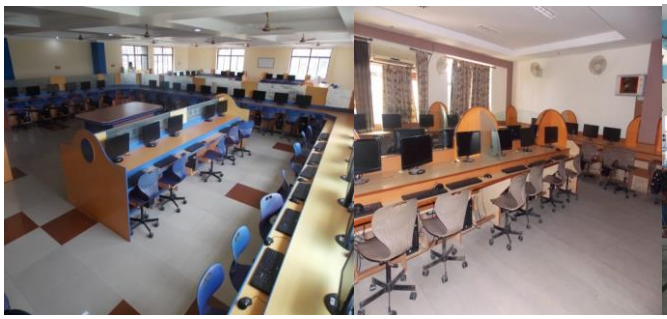
Eligibility

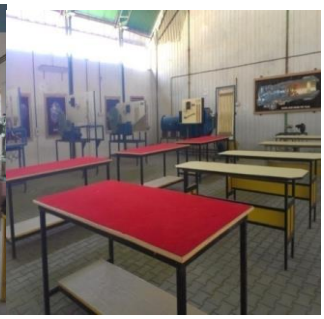
B.E.: +2 Pass with 50% in MPC

MBA: Any Degree with 50% marks and MAT / TANCET / CET

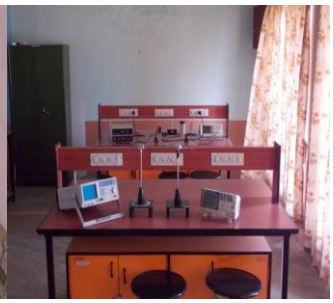
LABORATORIES

- Production Engineering Lab
- Thermodynamics Lab
- Fluid Mechanics & Machinery Lab
- Strength of Material Lab
- Dynamics Lab
- Metrology Lab
- CAD /CAM Lab
- Programming Lab
- Machine Shop
- General Engineering Workshop
- Aerodynamics Lab
- Aircraft Structure Lab
- Propulsion Lab
- Aero Engine and Airframe Lab
- Electrical Engineering Lab
- Electrical Machines Lab
- Electrical Circuits Lab
- Electronics Engineering Lab
- Electronic Devices & Circuits Lab
- Computer Aided Drafting and Modeling Lab
- Aircraft System Lab
- Flight Integration Systems and Control Lab
- Digital Lab
- Programming and Data Structures Lab
- Embedded Lab
- Optical and Microwave Lab
- Control and Instrumentation Lab
- Power Electronics and Drives Lab
- Simulation Lab
- LlC Lab
- DSP Lab
- VLSI Lab
- Micro Processor & Micro Controller Lab
- Communication Lab
- Networks Lab
- Object oriented Programming Lab
- Data Structures Lab
- Innovative System Design Lab
- Operating system Lab
- Visual Programming Lab
- DBMS Lab
- Computer Graphics Lab
- Compiler Lab
- Communication Skills Lab
- Physics / Chemistry Lab
- Internet Programming Lab
- Case Tools Lab
- Mobile Application Development Lab
- Security Lab
- Manufacturing Technology Lab
- Thermal Engineering Lab
- Sensors and Signal Processing Lab
- CNC Lab
- Electrical Machines and Drives Lab
- Grid and Cloud Computing Lab
- Micro Controller and PLC Lab
- Applied Hydraulics and Pneumatics Lab
- Problem Solving and Python Programming Laboratory









SUBJECTS OF STUDY

B. E. / B. Tech. DEGREE

ANNA UNIVERSITY

Program Outcomes 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 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.

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, 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.

ANNA UNIVERSITY : : CHENNAI - 600 025

AFFILIATED INSTITUTIONS

REGULATIONS 2017

CHOICE BASED CREDIT SYSTEM Common

to all B.E. / B.Tech. Full-Time Programmes

(For the students admitted to B.E. / B.Tech. Programme at various Affiliated Institutions)

DEGREE OF BACHELOR OF ENGINEERING / BACHELOR OF TECHNOLOGY

This Regulations is applicable to the students admitted to B.E/B.Tech. Programmes at all Engineering Colleges affiliated to Anna University, Chennai (other than Autonomous Colleges) and to all the University Colleges of Engineering of Anna University, Chennai from the academic year 2017-2018 onwards.

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

I) "**Programme**" means Degree Programme, that is B.E./B.Tech. Degree Programme.

II) "**Discipline**" means specialization or branch of B.E./B.Tech. Degree Programme, like Civil Engineering, Textile Technology, etc.

III) "**Course**" means a theory or practical subject that is normally studied in a semester, like Mathematics, Physics, etc.

IV) **"Director, Academic Courses"** means the authority of the University who is responsible for all academic activities of the Academic Programmes for implementation of relevant rules of this Regulations pertaining to the Academic Programmes.

V) **"Chairman"** means the Head of the Faculty.

VI) **"Head of the Institution"** means the Principal of the College.

VII) **"Head of the Department"** means head of the Department concerned.

VIII) **"Controller of Examinations"** means the authority of the University who is responsible for all activities of the University Examinations.

IX) **"University"** means ANNA UNIVERSITY, CHENNAI.

2. ADMISSION

2.1 Candidates seeking admission to the first semester of the eight semester B.E. / B.Tech. Degree Programme:

Should have passed the Higher Secondary Examinations of (10+2) Curriculum (Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto.

(OR)

Should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.

2.2 **Lateral entry admission**

(i) The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamilnadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. in the branch corresponding to the branch of study.

(OR)

(ii) The candidates who possess the Degree in Science (B.Sc.,) (10+2+3 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech.

Such candidates shall undergo two additional Engineering subject(s) in the **third and fourth semesters** as prescribed by the University.

3. PROGRAMMES OFFERED

B.E. / B.Tech. Programmes under the Faculty of Civil Engineering, Faculty of Mechanical Engineering, Faculty of Electrical Engineering, Faculty of Information and Communication Engineering and Faculty of Technology.

4. STRUCTURE OF PROGRAMMES

4.1 Categorization of Courses

Every B.E. / B. Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:

i. **Humanities and Social Sciences (HS)** courses include Technical English, Engineering Ethics and Human Values, Communication skills, Environmental Science and Engineering.

ii. **Basic Sciences (BS)** courses include Mathematics, Physics, Chemistry, Biology, etc.

iii. **Engineering Sciences (ES)** courses include Engineering practices, Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Computer Engineering, Instrumentation etc.

iv. **Professional Core (PC)** courses include the core courses relevant to the chosen specialization/branch.

v. **Professional Elective (PE)** courses include the elective courses relevant to the chosen specialization/ branch.

vi. **Open Elective (OE)** courses include the courses from other branches which a student can choose from the list specified in the curriculum of the students B.E. / B. Tech. / B. Arch. Programmes.

vii. **Employability Enhancement Courses (EEC)** include Project Work and/or Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training.

4.2 Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes (NCC/NSS/NSO/YRC) and undergo training for about 80 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid.

National Cadet Corps (NCC) will have about 20 parades.

National Service Scheme (NSS) will have social service activities in and around the College / Institution.

National Sports Organization (NSO) will have sports, Games, Drills and Physical exercises.

Youth Red Cross (YRC) will have activities related to social services in and around College/Institutions.

While the training activities will normally be during weekends, the camp will normally be during vacation period.

4.3 Number of courses per semester

Each semester curriculum shall normally have a blend of lecture courses not exceeding **7** and Laboratory courses and Employability Enhancement Course(s) not exceeding **4.** Each Employability Enhancement Course may have credits assigned as per clause 4.4. However, the total number of courses per semester shall not exceed 10.

4.4 Credit Assignment

Each course is assigned certain number of credits based on the following:

Contact period per week	**CREDITS**
1 Lecture Period	1
2 Tutorial Periods	1
2 Laboratory Periods (also for EEC courses like / Seminar / Project Work / Case study / etc.)	1

The Contact Periods per week for Tutorials and Practical can only be in multiples of 2.

4.5. Industrial Training / Internship

The students may undergo Industrial training for a period as specified in the Curriculum during summer / winter vacation. In this case the training has to be undergone continuously for the entire period.

The students may undergo Internship at Research organization / University (after due approval from the Department Consultative Committee) for the period prescribed in the curriculum during summer / winter vacation, in lieu of Industrial training.

4.6 Industrial Visit

Every student is required to go for at least one Industrial Visit every year starting from the second year of the Programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

4.7 Value Added Courses

The Students may optionally undergo Value Added Courses and the credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. One / Two credit courses shall be offered by a Department **of an institution with the prior approval from the Head of the Institution.**

The details of the syllabus, time table and faculty may be sent to the Centre for Academic Courses and the Controller of Examinations after approval from the **Head of the Institution** concerned atleast one month before the course is offered. **Students can take a maximum of two one credit courses / one two credit course** during the entire duration of the Programme.

4.8 Online Courses

4.8.1 Students may be permitted to credit only one online course of 3 credits with the approval of **Head of the Institution** and Centre for Academic Courses.

4.8.2 Students may be permitted to credit one online course (which are provided with certificate) subject to a maximum of three credits. The approved list of online courses will be provided by the Centre for Academic courses from time to time. The student needs to obtain certification or credit to become eligible for writing the End

Semester Examination to be conducted by Controller of Examinations, Anna University. The details regarding online courses taken up by students should be sent to the Controller of Examinations, Anna University and Centre for Academic Courses one month before the commencement of End Semester Examination.

4.9 The students satisfying the following conditions shall be permitted to carry out their final semester Project work for six months in industry/research organizations.

The student should not have current arrears and shall have CGPA of 7.50 and above.

The student shall undergo the eighth semester courses in the sixth and seventh semesters. The Head of Department, in consultation with the faculty handling the said courses shall forward the proposal recommended by the Head of Institution to the Controller of Examinations through the Director, Centre for Academic courses for approval at least 4 weeks before the commencement of the sixth semester of the programme for approval.

4.10 Medium of Instruction

The medium of instruction is English for all courses, examinations, seminar presentations and project / thesis / dissertation reports except for the programmes offered in Tamil Medium.

5. DURATION OF THE PROGRAMME

5.1 A student is ordinarily expected to complete the B.E. / B.Tech. Programme in 8 semesters (four academic years) but in any case not more than 14 Semesters for HSC (or equivalent) candidates and not more than 12 semesters for Lateral Entry Candidates.

5.1.1 A student is ordinarily expected to complete the B.E. Mechanical Engineering (Sandwich) Programme in 10 semesters (five academic years) but in any case not more than 18 Semesters for HSC (or equivalent) candidates.

5.2 Each semester shall normally consist of 75 working days or 540 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

5.3 The Head of the Institution may conduct additional classes for improvement, special coaching, conduct of model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement for writing the end semester examinations (as per clause 6) by the students, following method shall be used.

$$\text{Percentage of Attendance} = \frac{\text{Total no. of periods attended in all the courses per semester}}{\text{(No.of periods / week as prescribed in the curriculum) x 15 taken together for all courses of the semester}} \times 100$$

The University Examination will ordinarily follow immediately after the last working day of the semester commencing from I semester as per the academic schedule prescribed from time to time.

5.4 The total period for completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 18) in order that he/she may be eligible for the award of the degree (vide clause 16).

6. COURSE REGISTRATION

6.1 The Institution is responsible for registering the courses that each student is proposing to undergo in the ensuing semester. Each student has to register for all courses to be undergone in the curriculum of a particular semester (with the facility to drop courses to a maximum of 6 credits (vide clause 6.5). The student can also register for courses for which the student has failed in the earlier semesters. In such cases the student shall do **reappearance registration** for those courses for which the attendance requirement is not compulsory. However, the student have the option to take up some other professional elective or open elective that he has failed to pass. **But, the total number of credits that a student is allowed to register per semester cannot exceed 36.** The registration details of the candidates may be approved by the Head of the Institution and forwarded to the Controller of Examinations. This registration is for undergoing the course as well as for writing the End Semester Examinations. No course shall be offered by any department of any institution unless a minimum 10 students register for the course.

The courses that a student registers in a particular semester may include

i. Courses of the current semester.
ii. The core (Theory/Lab /EEC) courses that the student has not cleared in the previous semesters.
iii. Elective courses which the student failed (either the same elective or a different elective instead)

6.2 Flexibility to Drop courses

6.2.1 A student has to earn the total number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree.

6.2.2 From the III to final semesters, the student has the option of dropping existing courses in a semester during registration. Total number of credits of such courses cannot exceed 6.

6.2.3 The student shall register for the project work in the final semester only.

7. ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER

7.1 A Candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.

Ideally every student is expected to attend all classes of all the courses and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as Medical / participation in sports, the student is expected to attend atleast 75% of the classes.

Therefore, he/she shall **secure not less than 75%** (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3.

7.2 However, a candidate who secures overall attendance between 65% and 74% in the current semester due to medical reasons (prolonged hospitalization / accident / specific illness) / Participation in Sports events may be permitted to appear for the current semester examinations subject to the condition that the candidate shall submit the medical certificate / sports participation certificate attested by the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes.

7.3 Candidates who **secure less than 65% overall attendance and candidates who do not satisfy the clause 7.1 and 7.2** shall not be permitted to write the University examination at the end of the semester and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.

8. CLASS ADVISOR

There shall be a class advisor for each class. The class advisor will be one among the (course-instructors) of the class. He / She will be appointed by the HoD of the department concerned. The class advisor is the ex-officio member and the Convener of the class committee. The responsibilities for the class advisor shall be:

- To act as the channel of communication between the HoD and the students of the respective class.
- To collect and maintain various statistical details of students.
- To help the chairperson of the class committee in planning and conduct of the class committee meetings.
- To monitor the academic performance of the students including attendance and to inform the class committee.
- To attend to the students' welfare activities like awards, medals, scholarships and industrial visits.

9. CLASS COMMITTEE

9.1. Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching-learning process. The functions of the class committee include

- Solving problems experienced by students in the class room and in the laboratories.
- **Clarifying the regulations of the degree programme and the details of rules therein particularly (clause 5 and 7) which should be displayed on college Notice-Board.**
- Informing the student representatives, the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- Informing the student representatives the details of Regulations regarding weightage used for each assessment. In the case of practical courses (laboratory / drawing / project work / seminar etc.) the breakup of marks for each experiment / exercise / module of work, should be clearly discussed in the class committee meeting and informed to the students.
- Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- Identifying the weak students, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such weak students.

9.2 The class committee for a class under a particular branch is normally constituted by the Head of the Department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the Head of the Institution.

9.3 The class committee shall be constituted within the first week of each semester.

9.4 At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee.

9.5 The Chairperson of the class committee may invite the Class adviser(s) and the Head of the Department to the class committee meeting.

9.6 The Head of the Institution may participate in any class committee of the institution.

9.7 The chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.

9.8 The first meeting of the class committee shall be held within one week from the date of commencement of the semester, in order to inform the students about the nature and weightage of assessments within the framework of the Regulations. Two or three subsequent meetings may be held in a semester at suitable intervals. **The Class Committee Chairman shall put on the Notice Board the cumulative attendance particulars of each student at the end of every such meeting to enable the students to know their attendance details to satisfy the clause 6 of this Regulation.** During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the effectiveness of the teaching-learning process.

10. COURSE COMMITTEE FOR COMMON COURSES

Each common theory course offered to more than one discipline or group, shall have a "Course Committee" comprising all the teachers teaching the common course with one of them nominated as Course Coordinator. The nomination of the Course Coordinator shall be made by the Head of the Department / Head of the Institution depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The 'Course committee' shall meet in order to arrive at a common scheme of evaluation for the test and shall ensure a uniform evaluation of the tests. Wherever feasible, the course committee may also prepare a common question paper for the internal assessment test(s).

11. SYSTEM OF EXAMINATION

11.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) University examination at the end of the semester.

11.2 Each course, both theory and practical (including project work & viva voce Examinations) shall be evaluated for a maximum of 100 marks.

For all theory and practical courses including project work, the continuous internal assessment will carry **20 marks** while the End - Semester University examination will carry **80 marks.**

11.3 Industrial training and seminar shall carry 100 marks and shall be evaluated through internal assessment only.

11.4 The University examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

11.5 The University examination for project work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.

11.6 For the University examination in both theory and practical courses including project work the internal and external examiners shall be appointed by the Controller of Examinations.

12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory and practical courses (including project work) the continuous assessment shall be for a maximum of 20 marks. The above continuous assessment shall be awarded as per the procedure given below:

12.1 THEORY COURSES

Three tests each carrying 100 marks shall be conducted during the semester by the Department / College concerned. The total marks obtained in all tests put together out of 300, shall be proportionately reduced for 20 marks and rounded to the nearest integer (This also implies equal weightage to all the three tests).

12.2 LABORATORY COURSES

The maximum marks for Internal Assessment shall be 20 in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records maintained. There shall be at least one test. The criteria for arriving at the Internal Assessment marks of 20 is as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test. The total mark shall be reduced to 20 and rounded to the nearest integer.

12.3 THEORY COURSES WITH LABORATORY COMPONENT

If there is a theory course with Laboratory component, there shall be three tests: the first two tests (each 100 marks) will be from theory portions and the third test (maximum mark 100) will be for laboratory component. The sum of marks of first two tests shall be reduced to 60 marks and the third test mark shall be reduced to 40 marks. The sum of these 100 marks may then be arrived at for 20 and rounded to the nearest integer.

12.4 PROJECT WORK

Project work may be allotted to a single student or to a group of students not exceeding 4 per group.

The Head of the Institutions shall constitute a review committee for project work for each branch of study. There shall be three reviews during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be **reduced for 20 marks** and rounded to the nearest integer (as per the scheme given in 12.4.1).

12.4.1 The project report shall carry a maximum 30 marks. The project report shall be submitted as per the approved guidelines as given by Director, Academic Courses. Same mark shall be awarded to every student within the project group for the project report. The viva-voce examination shall carry 50 marks. Marks are awarded to each student of the project group based on the individual performance in the viva-voce examination.

Review I	Review II	Review III	End semester Examinations				
			Thesis Submission (30)		Viva-Voce (50)		
5	7.5	7.5	Internal	External	Internal	External	Supervisor
			15	15	15	20	15

12.4.2 If a candidate fails to submit the project report on or before the specified deadline, he/she is deemed to have failed in the Project Work and shall re-register for the same in a subsequent semester.

12.5 OTHER EMPLOYABILITY ENHANCEMENT COURSES

(a) The seminar / Case study is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three member committee appointed by Head of the Institution will evaluate the seminar and at the end of the semester the marks can be consolidated and taken as the final mark. The evaluation shall be based on the seminar paper (40%), presentation (40%) and response to the questions asked during presentation (20%).

(b) The Industrial / Practical Training, Summer Project, Internship, shall carry 100 marks and shall be evaluated through internal assessment only. At the end of Industrial / Practical training / internship / Summer Project, the candidate shall submit a certificate from the organization where he / she has undergone training and a brief report. The evaluation will be made based on this report and a Viva-Voce Examination, conducted internally by a three member Departmental Committee constituted by the Head of the Institution. The certificates (issued by the organization) submitted by the students shall be attached to the mark list sent by the Head of the Institution to the Controller of Examinations.

12.6 ASSESSMENT FOR VALUE ADDED COURSE

The one / two credit course shall carry 100 marks and shall be evaluated through **continuous assessments only**. Two Assessments shall be conducted during the semester by the Department concerned. The total marks obtained in the tests shall be reduced to 100 marks and rounded to the nearest integer. A committee consisting of the Head of the Department, staff handling the course and a senior Faculty member nominated by the Head of the Institution shall monitor the evaluation process. The list of students along with the marks and the grades earned may be forwarded to the Controller of Examinations for appropriate action at least one month before the commencement of End Semester Examinations.

12.7 ASSESSMENT FOR ONLINE COURSES

Students may be permitted to credit one online course (which are provided with certificate) subject to a maximum of three credits. The approved list of online courses will be provided by the Centre for Academic courses from time to time. **This online course of 3 credits can be considered instead of one elective course**. The student needs to obtain certification or credit to become eligible for writing the End Semester Examination to be conducted by Anna University. **The course shall be evaluated through the End Semester Examination only conducted by Controller of Examinations, Anna University.**

12.8. Internal marks approved by the Head of the Institution shall be displayed by the respective HODs within 5 days from the last working day.

12.9 Attendance Record

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the department will put his signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years). The University or any inspection team appointed by the University may verify the records of attendance and assessment of both current and previous semesters.

13. REQUIREMENTS FOR APPEARING FOR UNIVERSITY EXAMINATIONS

A candidate shall normally be permitted to appear for the University Examinations for all the courses registered in the current semester (vide clause 6) if he/she has satisfied the semester completion requirements (subject to Clause 7).

A candidate who has already appeared for any subject in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.

14. PASSING REQUIREMENTS

14.1 A candidate who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End semester University Examinations] with a minimum of 45% of the marks prescribed for the end-semester University Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and practical courses (including project work).

14.2 If a student fails to secure a pass in a theory course (except electives), **the student shall do reappearance registration** for that course in the subsequent semester, when offered next, earn continuous assessment marks and attend the end semester examination.

14.3 If the course, in which the student has failed, is a professional elective or an open elective, the student may be permitted to register for the same or any other professional elective or open elective course in the subsequent semesters, attend the classes and fulfill the attendance requirements as per Clause 7.

14.4 If a student fails to secure a pass in a laboratory course, **the student shall register** for the course again, when offered next.

14.5 If a student fails to secure a pass in project work, **the student shall register** for the course again, when offered next.

14.6 The passing requirement for the courses which are assessed only through purely internal assessments (EEC courses except project work), is 50% of the internal assessment (continuous assessment) marks only.

14.7 If a student has failed in the final semester examination he/she may be allowed to register for the course in the next semester itself.

14.8 A student can apply for revaluation of the student's semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee along with prescribed application to the COE through the Head of the Institution. The COE will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institution. Revaluation is not permitted for laboratory course and project work.

15. AWARD OF LETTER GRADES

15.1 All assessments of a course will be evaluated on absolute marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain number of points, will be awarded as per the range of total marks (out of 100) obtained by the candidate in each subject as detailed below:

Letter Grade	Grade Points	Marks Range
O (Outstanding)	**10**	**91 - 100**
A + (Excellent)	**9**	**81 - 90**
A (Very Good)	**8**	**71 – 80**
B + (Good)	**7**	**61 – 70**
B (Average)	**6**	**50 - 60**
RA	**0**	**<50**
SA (Shortage of Attendance)	**0**	
W	**0**	

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: "O", "A+", "A", "B+","B".

'SA' denotes shortage of attendance (as per clause 7.3) and hence prevention from writing the end semester examinations. 'SA' will appear only in the result sheet.

"RA" denotes that the student has failed to pass in that course. "**W**" denotes **withdrawal** from the exam for the particular course. The grades RA and W will figure both in Marks Sheet as well as in Result Sheet). In both cases the student has to earn Continuous Assessment marks and appear for the End Semester Examinations.
If the grade W is given to course, the attendance requirement need not be satisfied.

If the grade RA is given to a core **theory course**, the attendance requirement need not be satisfied, but if the grade RA is given to a **Laboratory Course/ Project work / Seminar and any other EEC course,** the attendance requirements (vide clause 7) should be satisfied.

15.2 For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC, a satisfactory / not satisfactory grading will appear in the mark sheet. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily. The training and camp shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the second year. **A satisfactory grade in the above co-curricular activities is compulsory for the award of degree.**

15.3 The grades O, A+, A, B+, B obtained for the one credit course shall figure in the Mark sheet under the title **'Value Added Courses'**. The Courses for which the grades are RA, SA **will not figure in the mark sheet.**

Grade sheet

After results are declared, Grade Sheets will be issued to each student which will contain the following details:

- The college in which the candidate has studied
- The list of courses enrolled during the semester and the grade scored.
- The Grade Point Average (GPA) for the semester and
- The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the number of credits for the courses acquired in the semester.

CGPA will be calculated in a similar manner, considering all the courses registered from first semester. RA grades will be excluded for calculating GPA and CGPA.

$$\text{GPA / CGPA} = \frac{\sum_{i=1}^{n} C_i \, GP_i}{\sum_{i=1}^{n} C_i}$$

where C_i is the number of Credits assigned to the course

GP_i is the point corresponding to the grade obtained for each course

n is number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA

16 ELIGIBILITY FOR THE AWARD OF THE DEGREE

16.1 A student shall be declared to be eligible for the award of the B.E. / B.Tech. Degree provided the student has

i. Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.

ii. Successfully completed the course requirements, appeared for the End-Semester examinations and passed all the subjects prescribed in all the 8 semesters / (10 Semesters for B.E. Mechanical Engineering (Sandwich)) within a maximum period of 7 years (9 years in case of B.E. Mechanical Engineering (Sandwich) and 6 years in the case of Lateral Entry) reckoned from the commencement of the first (third in the case of Lateral Entry) semester to which the candidate was admitted.

iii. Successfully passed any additional courses prescribed by the Director, Academic Courses whenever readmitted under regulations R-2017 (vide clause 18.3)

iv. Successfully completed the NCC / NSS / NSO / YRC requirements.

v. No disciplinary action pending against the student.

vi. The award of Degree must have been approved by the Syndicate of the University.

16.2 CLASSIFICATION OF THE DEGREE AWARDED

16.2.1 **FIRST CLASS WITH DISTINCTION**

A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction:

- Should have passed the examination in all the courses of all the eight semesters (10 Semesters in case of Mechanical (Sandwich) and 6 semesters in the case of Lateral Entry) in the student's First Appearance within **five** years (Six years in the case of Mechanical (Sandwich) and Four years in the case of Lateral Entry). Withdrawal from examination (vide Clause 17) will not be considered as an appearance.
- Should have secured a CGPA of not less than 8.50
- One year authorized break of study (if availed of) is included in the five years (Six years in the case of Mechanical (Sandwich) and four years in the case of lateral entry) for award of First class with Distinction.
- Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.

16.2.2 **FIRST CLASS:**

A student who satisfies the following conditions shall be declared to have passed the examination in **First class**:

- Should have passed the examination in all the courses of all eight semesters (10 Semesters in case of Mechanical (Sandwich) and 6 semesters in the case of Lateral Entry) **within Six years**. (Seven years in case of Mechanical (Sandwich) and Five years in the case of Lateral Entry)
- One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of six years (Seven years in case of Mechanical (Sandwich) and five years in the case of lateral entry) for award of First class
- Should have secured a CGPA of not less than **7.00**

16.2.3 **SECOND CLASS:**

All other students (not covered in clauses 16.2.1 and 16.2.2) who qualify for the award of the degree **(**vide Clause 16.1) shall be declared to have passed the examination in **Second Class**.

16.3 A candidate who is absent in end semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification. (subject to clause 17 and 18)

16.4 Photocopy / Revaluation

A candidate can apply for photocopy of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of Institutions. The answer script is to be valued and justified by a faculty member, who handled the subject and recommend for revaluation with breakup of marks for each question. Based on the recommendation, the candidate can register for the revaluation through proper application to the Controller of Examinations. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Institutions. Revaluation is not permitted for practical courses and for project work.

A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

16.5 Review

Candidates not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to Controller of Examination through the Head of the Institution.

Candidates applying for Revaluation only are eligible to apply for Review.

17. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

17.1 A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by Chairman, sports board and HOD) be granted permission to withdraw from appearing for the end semester examination in any course or courses in **ANY ONE** of the semester examinations during the entire duration of the degree programme. The application shall be sent to Director, Student Affairs through the Head of the Institutions with required documents.

17.2 Withdrawal application is valid if the student is otherwise eligible to write the examination (Clause 7) and if it is made within TEN days prior to the commencement of the examination in that course or courses and recommended by the Head of the Institution and approved by the Controller of Examinations.

17.2.1 Notwithstanding the requirement of mandatory 10 days notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

17.3 In case of withdrawal from a course / courses (Clause 13) the course will figure both in Marks Sheet as well as in Result Sheet. **Withdrawal essentially requires the student to register for the course/courses** The student has to register for the course, fulfill the attendance requirements (vide clause 7), earn continuous assessment marks and attend the end semester examination. However, withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction.

17.4 Withdrawal is permitted for the end semester examinations in the final semester only if the period of study the student concerned does not exceed 5 years as per clause 16.2.1.

18. PROVISION FOR AUTHORISED BREAK OF STUDY

18.1 A student is permitted to go on break of study for a maximum period of one year as a single spell.

18.2 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to the Director, Student Affairs in advance, but not later than the last date for registering for the end semester examination of the semester in question, through the Head of the Institution stating the reasons therefore and the probable date of rejoining the programme.

18.3 The candidates permitted to rejoin the programme after break of study / prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of rejoining. The students rejoining in new Regulations shall apply to the Director, Academic Courses in the prescribed format through Head of the Institution at the beginning of the readmitted semester itself for prescribing additional courses, if any, from any semester of the regulations in-force, so as to bridge the curriculum in-force and the old curriculum.

18.4 The authorized break of study would not be counted towards the duration specified for passing all the courses for the purpose of classification (vide Clause 16.1).

18.5 The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study in order that he/she may be eligible for the award of the degree.

18.6 If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study' (Clause 18.1)

19. DISCIPLINE

19.1 Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University / College. The Head of Institution shall constitute a disciplinary committee consisting of Head of Institution, Two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the University about the disciplinary action recommended for approval. In case of any serious disciplinary action which leads to suspension or dismissal, then a committee shall be constituted including one representative from Anna University, Chennai. In this regard, the member will be nominated by the University on getting information from the Head of the Institution.

19.2 If a student indulges in malpractice in any of the University / internal examination he / she shall be liable for punitive action as prescribed by the University from time to time.

20. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The University may from time to time revise, amend or change the Regulations, Curriculum, Syllabus and scheme of examinations through the Academic Council with the approval of Syndicate.

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

B.E. AERONAUTICAL ENGINEERING

REGULATIONS – 2017

CHOICE BASED CREDIT SYSTEM

I & II SEMESTERS CURRICULA AND SYLLABI

SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8151	Communicative English	HS	4	4	0	0	4
2.	MA8151	Engineering Mathematics - I	BS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	3	3	0	0	3
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics	ES	6	2	0	4	4
PRACTICALS								
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
			TOTAL	**31**	**19**	**0**	**12**	**25**

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics - II	BS	4	4	0	0	4
3.	PH8251	Materials Science	BS	3	3	0	0	3
4.	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	ES	3	3	0	0	3
5.	GE8291	Environmental Science and Engineering	HS	3	3	0	0	3
6.	GE8292	Engineering Mechanics	ES	5	3	2	0	4
PRACTICALS								
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	ES	4	0	0	4	2
			TOTAL	**30**	**20**	**2**	**8**	**25**

SEMESTER III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY								
1.	MA8353	Transforms and Partial Differential Equations	BS	4	4	0	0	4
2.	ME8392	Manufacturing Technology	PC	3	3	0	0	3
3.	AE8301	Aero Engineering Thermodynamics	PC	3	3	0	0	3
4.	CE8394	Fluid Mechanics and Machinery	ES	4	4	0	0	4
5.	CE8395	Strength of Materials for Mechanical Engineers	ES	3	3	0	0	3
6.	AE8302	Elements of Aeronautical Engineering	PC	3	3	0	0	3
PRACTICAL								
7.	CE8381	Strength of Materials and Fluid Mechanics & Machinery Laboratory	ES	4	0	0	4	2
8.	AE8311	Thermodynamics Laboratory	PC	4	0	0	4	2
9.	HS8381	Interpersonal Skills/Listening & Speaking	EEC	2	0	0	2	1

TOTAL	**30**	**20**	**0**	**10**	**25**

CODE OF CONDUCTS FOR STUDENTS

1. NIET works Six days a week except 2nd & 3rd Saturday. Generally Monday to Friday will have Regular Timetable. 1st, 4th & 5th Saturdays will have special Timetable.
2. The Timings are: Morning 09.00 Hours to Evening 16.30 Hours. The day consists of 8 periods – 5 of 50 minutes duration, 2 of 45 minutes and 1 of 55 minutes. A short tea break is between 10.40 A.M to 10.50 A.M and lunch break is between 01.15 P.M to 02.00 P.M
3. Attendance is recorded for all periods and hence all must attend all classes without fail, to avoid complications at latter date. Seasonal – internal – marks depend on the attendance in each class.
4. Attendance is Compulsory for all working days (including 1st, 4th & 5th working Saturdays). Minimum of 75% attendance is required for eligibility to write University Exam. But, higher % of attendance is required for getting internal marks for attendance.
5. All must be in the Lecture Class or in the lab at least 5 minutes before 9'O clock.
6. All must attend the full class from beginning to end. No one should come late to the class or leave the class early.
7. All must follow proper dress code. During Lab Hours tucked-in uniform with shoes. (Girls with overcoat).
8. Students must maintain silence in the class. Class representative must call the faculty or advisor if Faculty has not come to the class on time.
9. Proper discipline, decency, decorum and dignity must be maintained in the entire campus. (both inside and out side the classes / labs)
10. Students must be polite and courteous in talking to and dealing with faculty.
11. Maintain cleanliness everywhere – Classrooms, Labs, Canteen and the entire surrounding.
12. Unauthorized assembly of students in subject to disciplinary action.
13. Handle the equipments / machines and other tools carefully so that they are not damaged or deteriorated or made unusable (Cost of the damaged ones will be recovered). Protect the institute properties from getting damaged.
14. Do and submit the assignments in time to get maximum internal marks.
15. Prepare for and write the tests well without fail which will help in getting good marks in the final exam as well as good internal marks.
16. Make use of Saturday hours for clarifications and Career & Personality Development Programmes.
17. Pay all the fees and dues on or before the due date to avoid penalty.
18. Use of Cell Phones in the campus is prohibited.

19. Ragging & teasing the students are criminal offence. The Indulger may be terminated from the college.
20. Contact the Grievances Readdress Committee, Class Advisor or the Principal for any Difficulty or a problem.

DRESS CODE NORMS

Civil dress is permitted on all days and occasions.

Civil/Colour dress code:

Boys:

Strictly formal – Shirt – full/half sleeved

Pant – tucked in and proper belt

Formal black shoe or descent chappal

Girls:

Churidhar or salwar with sleeves and with shawl/Duppatta – properly pinned

Descent chappal

Hair neatly dresses – natural colour.

The following dresses and practices are totally disallowed

Boys: (Not Permitted)

T. Shirt

Jeans Pants

Shirts/pants/sneakers with emblems/pictures/slogans

Dothis, Bermudas, Kurta, Pyjamah

Chappals used for bathroom

Girls: (Not Permitted)

Other casual dresses/sarees and half sarees(except on special days and functions)

Yoga Pants, leggings, tights, kurtas, short tops, sports wear/training/exercise wears.

General Information

Working Days Monday to Saturday (Except 2nd and 3rd Saturday)

Timings 9.00 am to 4.30 pm

Tea Break 10.40 am to 10.50 am

Lunch Break 01.15 pm to 02.00 pm

Computer Center Training 9.00 am to 4.30 pm

Library Hours 8.30 am to 5.30 pm

LIBRARY RULES

1. All staff members and students are members of the library.
2. Use of library is normally restricted to its members only. Others have to produce written permission from the Principal to use the library facilities.
3. The library will be open from 8.30am to 5.30pm on all days except Sundays and Holidays.
4. Every student shall enter his/her name and class in the register kept at the entrance for the purpose.
5. Books, hand bags, umbrellas and other personal belongings must be left outside before entering the library. Only one note book is however is allowed to be taken inside if required for the purpose of taking notes.
6. For serious and useful study, calm and peaceful atmosphere is necessary. Students are therefore, required to observe strict silence and decorum in the library. Use of mobile phones inside the library is strictly prohibited.
7. The News papers, magazines and periodicals lying on the table shall not be removed from the reading room or from the place allotted for each.
8. Every student will be entitled to borrow a maximum of two books at a time from the library.
9. Before leaving the counter, the borrowers shall examine the books taken by them and point out any mutilation or defect in any book to the librarian and have these noted in the book and initialed by the librarian. Otherwise the borrowers will be held responsible for any damage or mutilation observed.
10. Members shall show the books borrowed from the library to the library staff while leaving at the gate.
11. Books issued to students must be returned within 14 days. The date of return of the book will be noted in the return slip pasted in the book. For retaining books beyond the due date of return, a member will have to pay an overdue charge of Rupees five per book per day.
12. The librarian has the right to call back any book issued to any member before the due date if it is wanted for some special reasons.
13. Writing in the books, soiling, causing damage to the binding, tearing of pages etc. are strictly forbidden.
14. If any book is lost, damaged or mutilated the borrower shall be required to replace the book (new one) with fine or have to pay such compensation as may be decided by the Principal.
15. The transfer or sub lending of books is strictly prohibited.

16. Journals and codes of practices cannot be taken outside the library.
17. While using internet, printout cannot be taken.
18. Students are to abide by any other rules / modification to existing rules issued from time to time.

BOYS HOSTEL RULES

- A student must remember that the hostel is the home of the students in the campus. He in should behave himself the campus as well as outside in such manner as to bring credit to him and to the Institute.
- No boarders shall be absent from the hostel without the prior permission of the Warden.
- No students should entertain unauthorized guests. The Chief Warden (Principal) reserves the right to deny entry into the Hostel to visitors if their visit is likely to disturb the peace and order of the hostel.
- Boarders are permitted to stay in the hostel during the academic session only, and are to vacate their rooms during the vacations unless there is special permission of the Chief Warden.
- Boarders are permitted to meet the visitors at the visitors' lounge of the hostel during the visiting hours only. Visiting hours of the hostels shall be 10.00am to 12.00 noon on holidays and 5.00pm to 6.00pm on working days.
- Day-scholars are not allowed in the hostel without permission of chief warden.
- A student once admitted in the hostel, will continue to be a hostel inmate throughout the year unless otherwise debarred from the hostel on disciplinary grounds and he will have to pay the room rent for both the terms.
- Every student should stay in the accommodation allotted to him by the Warden. Any change of accommodation without prior permission of the Warden is not permitted and the violation of this rule is considered as an act of indiscipline.
- Female visitors are not permitted to visit any time into the Boys Hostel without the permission of the Chief Warden.
- Students shall not remain absent from hostel during night between 9.00 pm to 6.00 am without the prior permission of the Warden/Chief Warden.
- Hostel students shall not leave the head-quarters without prior permission of the Warden/Chief Warden. They shall have to apply in prescribed form in advance stating the reason for leaving and the address of destination. Hostel students who leave hostel without the application and the

permission from the concerned authorities shall be deemed to be missing and parent / Guardian / police authorities may be intimated, in consultation with the Chief Warden.

- The inmates of the hostel will not leave the hostel premises on holidays for the purpose of excursion or picnic. Prior permission of the Chief Warden has to be obtained for going for any picnic or excursion. However for any eventuality that may occur during picnic/excursion, the responsibility does not lie with the Institute authorities.
- Consumption or storage or supplying any liquor or any sort of intoxicated drink/drug material is strictly prohibited and if found guilty, the same will be dealt with severely (including expulsion from the hostel). Students found in intoxicated state shall be expelled from hostel immediately. Any kind of gambling is also prohibited. phone / laptop etc. The Institute will not be responsible for any loss incurred due to his negligence or any other reason whatsoever.
- Student should check the fittings in his room at the time of occupation. If there is any deficiency or inadequacy, it should be brought to the notice of the hostel staff. He shall be responsible for the fittings and shall see to it that they are in order at the time of handing over charge of the room when he leaves the hostel.
- Room furniture, electric fittings, etc, are required to be maintained by the inmates in good condition. At the time of allotment of room and leaving the hostel for the vacations, every student must take-over and hand-over, respectively, the hostel property carefully. Students should invariably vacate the hostel during vacation. If they have to leave any belongings in the hostel during this period, he may do so at his own risk and for this purpose he should contact the hostel warden.
- In case of damage to any part of the hostel buildings, furniture, apparatus or other property of the institute, caused by inmates of the hostel, the loss shall be recovered from the persons identified as responsible for such damage. However, if the p*ersons causing damage cannot be identified, the cost of repairing the same as may be assessed will be distributed equally amongst all the inmates of the hostel or group of inmates of the hostel found responsible for the damage.
- Fans and lights must be switched off whenever the students leave their rooms. Lights must be switched off positively when they go to bed. In case it is noticed that the fans/lights are on in the locked room, a heavy penalty will be imposed for wasting the precious energy.
- Usage of computer and printer in the hostel room will be allowed with prior permission from the Chief Warden.
- The Chief Warden/ Warden or any staff of the institute authorized by the Chief Warden can inspect the room of any student in the hostel at any time.
- Decisions taken by the Hostel Management in connection with admission, discipline and general management are final and binding on all the hostel inmates.

- Violation of any rules will make the student liable for disciplinary action including expulsion from the hostels.
- Hostel inmates will be completely responsible for all his belongings including mobile.

To be Noted

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ACADEMIC CALENDAR 2019-20

JUNE, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII sem
SAT	1			
SUN	2	SUNDAY		
MON	3			
TUE	4			
WED	5	WORLD ENVIRONMENT DAY		
THUR	6			
FRI	7			
SAT	8	SECOND SATURDAY		
SUN	9	FOUNDER CHAIRMAN'S DEATH ANNIVERSARY SUNDAY		
MON	10			
TUE	11			
WED	12			
THUR	13			
FRI	14			
SAT	15	THIRD SATURDAY		
SUN	16	SUNDAY		
MON	17			
TUE	18			
WED	19			
THUR	20			
FRI	21			
SAT	22			
SUN	23	SUNDAY		
MON	24	REOPENING (B.E. – III, V, VII SEM)		01
TUE	25			02
WED	26			03
THUR	27			04
FRI	28			05

SAT	29			06
SUN	30	SUNDAY		

To be Noted

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JULY, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
MON	1			07
TUE	2			08
WED	3			09
THUR	4	MCT INDUSTRIAL VISIT - LMW PLACEMENT TRAINING IV YEAR		10
FRI	5	-		11
SAT	6	-		12
SUN	7	SUNDAY		
MON	8	CSE - VALUE ADDED - IOT TRAINING		13
TUE	9	EEE - ASSOCIATION INAUGURATION		14
WED	10	CSE - ASSOCIATION INAUGURATION MCT - INDUSTRIAL VISIT - SIGNALS AND TELECOMMUNICATION TRAINING CENTRE		15
THUR	11			16
FRI	12	AERO - GUEST LECTURE ON UAV		17
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY		
MON	15	VALUE ADDED - IOT TRAINING ECE - IETE SEMINAR REOPENING (BE I SEM) – BRIDGE COURSE INAUGURATION	01	18
TUE	16	-	02	19
WED	17	MCT - WORKSHOP ON AUTOMATION AND ROBOTICS	03	20
THUR	18	S&H – NOBLE TRAINING	04	21
FRI	19	CSE - IEEE & CYBERPUNK ACTIVITY S&H – NOBLE TRAINING	05	22
SAT	20	THIRD SATURDAY		
SUN	21	SUNDAY		
MON	22		06	23
TUE	23	CSE - IEEE & CYBERPUNK ACTIVITY	07	24
WED	24	MCT - VALUE ADDED TRAINING	08	25
THUR	25		09	26
FRI	26	ECE - SEMINAR – NANO ELECTRONICS EEE - WORKSHOP – MATLAB AND LAB VIEW	10	27

		PROGRAM MECH - KNOWLEDGE CORNER ACTIVITY		
SAT	27	AERO - ASSOCIATION INAUGURATION CSE - CSI ACTIVITY MCT SEMINAR - SOM	11	28
SUN	28	SUNDAY		
MON	29		12	29
TUE	30		13	30
WED	31	CSE - WORKSHOP	14	31

To be Noted

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AUGUST, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII Sem
THUR	1		15	32
FRI	2	AERO - WORKSHOP ON DRONES	16	33
SAT	3	MCT – INDUSTRIAL VISIT - KUNDHA POWER PLANT S&H NOBLE TRAINING	17	34
SUN	4	SUNDAY		
MON	5	INTERNAL TEST – I (B.E. – III, V, VII Sem) FRESHER'S DAY INAUGURATION	18	35
TUE	6	-	19	36
WED	7	-	20	37
THUR	8	MCT - GUEST LECTURE	21	38
FRI	9	CSE – SEMINAR MECH - INAUGURATION OF KALAM 2020	22	39
SAT	10	SECOND SATURDAY		
SUN	11	SUNDAY		
MON	12	BAKRID		
TUE	13	EEE- SEMINAR	23	40
WED	14	MCT - WORKSHOP ON IOT	24	41
THUR	15	INDEPENDENCE DAY		
FRI	16	PARENTS MEETING (B.E. – III, V, VII Sem)	25	42
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY		
MON	19		26	43
TUE	20		27	44
WED	21	ECE - VALUE ADDED TRAINING IOT	28	45
THUR	22	CSE - HANDS ON TRAINING EEE - GUEST LECTURE MCT-INDUSTRIAL VISIT	29	46
FRI	23	MECH - KNOWLEDGE CORNER ACTIVITY MCT-INDUSTRIAL VISIT	30	47
SAT	24	KRISHNA JAYANTHI		
SUN	25	SUNDAY		

MON	26	WOMEN'S MEET(II, III & IV YEAR STUDENTS)	31	48
TUE	27		32	49
WED	28	CSE - IEEE & CYBERPUNK ACTIVITY ECE - ASSOCIATION INAUGURATION	33	50
THUR	29	INTERNAL TEST – II(B.E. – III, V, VII Sem)	34	51
FRI	30	NSS & RRC - BLOOD DONATION CAMP INTERNAL TEST – I (B.E. –I Sem)	35	52
SAT	31	-	36	53

To be Noted

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SEPTEMBER, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
SUN	1	SUNDAY		
MON	2	VINAYAGAR CHATURTHI		
TUE	3		37	54
WED	4	ECE - VALUE ADDED TRAINING EMBEDDED SYSTEM DESIGN MCT - SEMINAR	38	55
THUR	5		39	56
FRI	6	CSE – FDP EEE - GUEST LECTURE MECH - KNOWLEDGE CORNER ACTIVITY	40	57
SAT	7	ONAM CELEBRATION	41	58
SUN	8	SUNDAY		
MON	9	ONAM		
TUE	10	ONAM & MUHHARAM		
WED	11	ONAM		
THUR	12	ONAM		
FRI	13	ONAM		
SAT	14	SECOND SATURDAY		
SUN	15	SUNDAY		
MON	16		42	59
TUE	17		43	60
WED	18	ENGINEER'S DAY CELEBRATION	44	61
THUR	19	MCT - GUEST LECTURE – CONTROL SYSTEM	45	62
FRI	20	CSE - IEEE & CYBERPUNK ACTIVITY MECH - KNOWLEDGE CORNER ACTIVITY	46	63
SAT	21	THIRD SATURDAY		
SUN	22	SUNDAY		
MON	23		47	64
TUE	24		48	65
WED	25		49	66
THUR	26	MCT - SEMINAR	50	67
FRI	27	NSS - AIDS AWARENESS DAY EEE - SEMINAR	51	68

SAT	28	AERO - SEMINAR ON FLIGHT DYNAMICS CSE - CSI ACTIVITY PARENTS MEETING (B.E. – III, V, VII Sem)	52	69
SUN	29	SUNDAY		
MON	30	INTERNAL TEST – III(B.E. – III, V, VII Sem)	53	70

To be Noted

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OCTOBER, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
TUE	1	ECE - GUEST LECTURE	55	71
WED	2	GANDHI JAYANTHI		
THUR	3	NATURE CLUB ACTIVITY	55	72
FRI	4		56	73
SAT	5		57	74
SUN	6	SUNDAY		
MON	7	AYUDHA POOJA		
TUE	8	VIJAYA DASAMI		
WED	9		58	75
THUR	10		59	76
FRI	11	CSE - CSI ACTIVITY MECH - KNOWLEDGE CORNER ACTIVITY	60	77
SAT	12	SECOND SATURDAY		
SUN	13	SUNDAY		
MON	14	MODEL EXAMS(B.E. – III, V, VII Sem) INTERNAL TEST – II (B.E. –I Sem)	61	78
TUE	15		62	79
WED	16	ENGLISH CLUB ACTIVITY	63	80
THUR	17		64	81
FRI	18	MECH - KNOWLEDGE CORNER ACTIVITY	65	82
SAT	19	THIRD SATURDAY LAST WORKING DAY (B.E. – III, V, VII Sem) ECE - GUEST LECTURE	66	83
SUN	20	SUNDAY		
MON	21	COMMENCEMENT OF PRACTICAL EXAMINATION (B.E. – III, V, VII Sem)	67	
TUES	22		68	
WED	23		69	
THUR	24		70	

FRI	25	MECH -WORKSHOP ON COMPUTATIONAL FLUID DYNAMICS	71	
SAT	26	BEST FACULTY AWARD FOR POLYTECHNIC COLLEGES	72	
SUN	27	SUNDAY DEEPAVALI		
MON	28	NEHRU TROPHY 7TH YEAR	73	
TUES	29	PARENTS MEETING (B.E. – I Sem)	74	
WED	30	-	75	
THUR	31	-	76	

To be Noted

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NOVEMBER, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
FRI	1		77	
SAT	2		78	
SUN	3	SUNDAY		
MON	4		79	
TUE	5		80	
WED	6	COMMENCEMENT OF END SEMESTER EXAMINATIONS (B.E. – III, V, VII Sem) S&H - GUEST LECTURE	81	
THUR	7		82	
FRI	8		83	
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY MILADI NABI		
MON	11		84	
TUE	12		85	
WED	13		86	
THUR	14		87	
FRI	15		88	
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18	INTERNAL TEST – III (B.E. –I Sem)	89	
TUE	19		90	
WED	20		91	
THUR	21		92	
FRI	22	MECH - WORKSHOP RESEARCH PAPER WRITING	93	
SAT	23		94	
SUN	24	SUNDAY		
MON	25		95	
TUE	26		96	
WED	27		97	
THUR	28		98	

FRI	29		99	
SAT	30		100	

To be Noted

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DECEMBER, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II, IV,VI,VIII Sem
SUN	1	SUNDAY		
MON	2	MODEL EXAMS – III (B.E. –I Sem)	101	
TUE	3		102	
WED	4		103	
THUR	5		104	
FRI	6			
SAT	7			
SUN	8	SUNDAY		
MON	9	COMMENCEMENT OF UNIVERSITY EXAMS (I SEMESTER)		
TUE	10			
WED	11			
THUR	12			
FRI	13			
SAT	14	SECOND SATURDAY		
SUN	15	SUNDAY		
MON	16	AERO - FDTP ON AIRCRAFT STRUCTURES I REOPENING (B.E. - II, IV, VI, VIII SEM)		01
TUE	17			02
WED	18			03
THUR	19			04
FRI	20			05
SAT	21	THIRD SATURDAY CAREER GUIDANCE PROGRAMME		
SUN	22	SUNDAY		
MON	23			06
TUE	24			07
WED	25	CHRISTMAS		
THUR	26			08

FRI	27			09
SAT	28			10
SUN	29	SUNDAY		
MON	30			11
TUE	31			12

To be Noted

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JANUARY, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
				II ,IV,VI,VI II Sem
WED	1	NEW YEAR		
THUR	2			13
FRI	3	ECE WORKSHOP- VIRTUAL INSTRUMENTATION USING LAB VIEW MCT WORKSHOP - SIGNALS AND TELECOMMUNICATION		14
SAT	4	MCT - SEMINAR – ADVANCEMENTS IN PNUEMATICS		15
SUN	5	SUNDAY		
MON	6			16
TUE	7			17
WED	8			18
THUR	9			19
FRI	10	MECH - KNOWLEDGE CORNER ACTIVITY		20
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13			21
TUE	14			22
WED	15	PONGAL		
THUR	16	PONGAL		
FRI	17	PONGAL		
SAT	18	THIRD SATURDAY		
SUN	19	SUNDAY		
MON	20			23
TUE	21			24
WED	22			25
THUR	23			26
FRI	24	CSE – WORKSHOP MCT GUEST LECTURE- EMBEDDED PROGRAMMING		27
SAT	25	AERO -TECHNICAL LEVEL SYMPOSIUM VIHAAN		28

		2K20		
SUN	26	SUNDAY REPUBLIC DAY		
MON	27	INTERNAL TEST I		29
TUE	28	EEE - GUEST LECTURE		30
WED	29	-		31
THUR	30	-		32
FRI	31	CSE - WORKSHOP- IEEE & CYBERPUNK		33

To be Noted

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FEBRUARY, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
				II, IV,VI,VIII sem
SAT	1	AERO - SEMINAR ON NON DESTRUCTIVE TESTING		34
SUN	2	SUNDAY		
MON	3	GO GREEN EVENT		35
TUE	4	EEE- GUEST LECTURE MCT - GUEST LECTURE SUPPLY CHAIN MANAGEMENT		36
WED	5			37
THUR	6			38
FRI	7	AWARENESS PROGRAMME CSE - SEMINAR		39
SAT	8	SECOND SATURDAY		
SUN	9	SUNDAY		
MON	10			40
TUE	11			41
WED	12	EEE - WORKSHOP		42
THUR	13			43
FRI	14	ECE WORKSHOP- IMAGE PROCESSING USING MATLAB MECH - TECHNICAL SYMPOSIUM KALAM 2020 MCT - SYMPOSIUM – CYTHON 2020		44
SAT	15	THIRD SATURDAY		
SUN	16	SUNDAY		
MON	17			45
TUE	18			46
WED	19			47
THUR	20	MCT - GUEST LECTURE – STRESS MANAGEMENT TECHNIQUES		48
FRI	21			49
SAT	22			50
SUN	23	SUNDAY		

		GRADUATION CEREMONY		
MON	24	INTERNAL TEST II		51
TUE	25	ECE - GUEST LECTURE		52
WED	26	-		53
THUR	27			54
FRI	28	MECH - KNOWLEDGE CORNER ACTIVITY MCT INDUSTRIAL VISIT TO SUN ALLOYS SCIENCE DAY CELEBRATION		55
SAT	29	CSE - CSI SEMINAR - IOT		56

To be Noted

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MARCH, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
SUN	1	SUNDAY		
MON	2			57
TUE	3			58
WED	4	MCT - SEMINAR		59
THUR	5			60
FRI	6	EEE - TECHNICAL SYMPOSIUM MECH- KNOWLEDGE CORNER ACTIVITY		61
SAT	7			62
SUN	8	SUNDAY		
MON	9			63
TUE	10	EEE - ASSOCIATION VALEDICTION		64
WED	11			65
THUR	12	CSE – FDP IEEE & CYBERPUNK ACTIVITY		66
FRI	13	ECE - SEMINAR – IOT USING LORA PI DAY CELEBRATION		67
SAT	14	SECOND SATURDAY		
SUN	15	SUNDAY		
MON	16	EEE- GUEST LECTURE		68
TUE	17	MECH- KNOWLEDGE CORNER ACTIVITY		69
WED	18	SPORTS DAY		70
THUR	19	AVATAR'20		71
FRI	20	COLLEGE DAY		72
SAT	21	THIRD SATURDAY		
SUN	22	SUNDAY		
MON	23			73
TUE	24	CSE - ASSOCIATION VALEDICTION		74
WED	25	UGADI		
THUR	26			75
FRI	27	ECE - PROJECT EXPO VIDHYUTHA 2020		76

		EEE - SEMINAR		
SAT	28	AERO - NATIONAL CONFERENCE ON EMERGING TRENDS IN AERONAUTICAL SCIENCE (NCETAS) CSE - CSI SEMINAR – GREEN COMPUTING		77
SUN	29	SUNDAY		
MON	30	INTERNAL TEST III		78
TUE	31	-		79

To be Noted

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APRIL, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
WED	1	-		80
THUR	2			81
FRI	3			82
SAT	4			83
SUN	5	SUNDAY		
MON	6			84
TUE	7			85
WED	8			86
THUR	9			87
FRI	10	GOOD FRIDAY		
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY EASTER		
MON	13			
TUE	14	TAMIL NEW YEAR VISHU		
WED	15			88
THUR	16			89
FRI	17	LAST WORKING DAY		90
SAT	18	THIRD SATURDAY		
SUN	19	SUNDAY		
MON	20	COMMENCEMENT OF UNIVERSITY EXAMINATIONS		91
TUE	21			
WED	22			
THUR	23			
FRI	24			
SAT	25			
SUN	26	SUNDAY		
MON	27			

TUE	28			
WED	29			
THUR	30			

To be Noted

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MAY, 2020

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
FRI	1	MAY DAY		
SAT	2			
SUN	3	SUNDAY		
MON	4			
TUE	5			
WED	6			
THUR	7			
FRI	8			
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11			
TUE	12			
WED	13			
THUR	14			
FRI	15			
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18			
TUE	19			
WED	20			
THUR	21			
FRI	22			
SAT	23			
SUN	24	SUNDAY IDUL FITR		
MON	25			
TUE	26			

WED	27			
THUR	28			
FRI	29			
SAT	30			
SUN	31	SUNDAY		

To be Noted

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TIMETABLE (2019-20 ODD)

Periods /Days	1	2	BREAK	3	4	5	LUNCH BREAK	6	7	8
Mon										
Tue										
Wed										
Thur										
Fri										
Sat										

TIMETABLE (2019-20 EVEN)

Periods /Days	1	2	BREAK	3	4	5	LUNCH	6	7	8
Mon										

Tue										
Wed										
Thur										
Fri										
Sat										

NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY
T. M. Palayam, Coimbatore-641 105
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC, Recognized by UGC with Section 2(f) and 12(B)

Academic Year

2018-2019

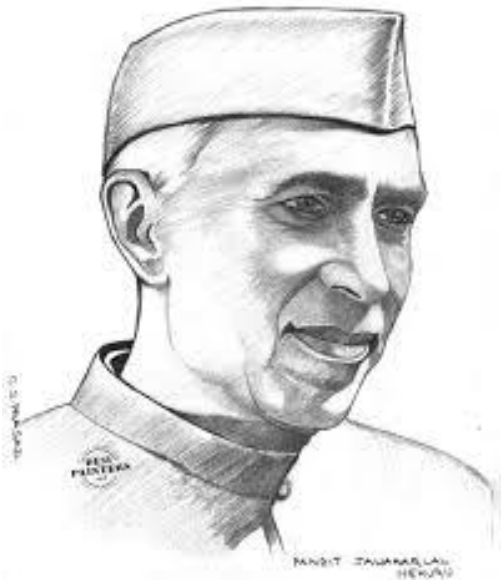
Nehru Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

(Accredited by NAAC, Recognized by UGC Under Section 2(f) & 12(B))

"Nehru Gardens" T. M. Palayam (Post), Coimbatore - 641 105

Web: www.nehrucolleges.org



To be noble, we must be clear in thought, courtesy in manner, graceful in speech, and honest in deed.

- Jawaharlal Nehru

Calendar 2018 - 2019

A Tribute to a Great Leader

Biography of Founder Chairman

Shri. P. K. Das,

The Bhishmacharya of Education

Whenever we hear the name, Nehru College, immediately the name of our Chairman Shri. P. K. Das comes to our mind. Our Chairman's name is synonymous with Nehru Colleges, which stand as Hall Mark of Quality in the field of higher education. Starting from scratch in 1968, this great Leader spent each ounce of his energy and sweat to establish **18** prestigious Institutions in Tamil Nadu and Kerala. Through his hard toil, sweat, firm determination and strict self discipline, he established Nehru College of Aeronautics and Applied Sciences at Kuniamuthur, Coimbatore in 1968. Besides this College, he established Engineering Colleges, Arts & Science College, Pharmacy College, Aviation Institute, Super Specialty Hospital with Medical College, Management Colleges, Architecture College and Academy of Law in Tamil Nadu and Kerala.

He was hardly 29 years of age in 1968, when he started his career as an Academician at Coimbatore. The meteoric rise of this great personality in the field of technical and higher education was phenomenal and great.

A humble beginning was made. Despite innumerable difficulties and insurmountable obstacles he had to face with, he didn't budge an inch, but forged ahead with firm determination and iron will, to accomplish success after success. Year after year, he was reaping rich dividends and accolades. He was standing like a Colossus. The flag ship institution namely Nehru College of Aeronautics & Applied Sciences has emerged as a unique institution in this country. This College is the only one with so many specializations in Aeronautical Maintenance Engineering. In the field of Applied Sciences, several branches for B.Sc. degree courses in Aeronautical Engineering, Electronics, Computer Science and Avionics and MBA in Air Line and Airport Management were started there. The quality maintained here speaks volumes about the Founder Chairman Shri. P. K. Das.

He added golden feather to his cap, by starting a huge and prestigious Nehru College of Arts and Science in a new campus at Thirumalayampalayam. There are 2 Engineering Colleges and 3 Management Colleges at Thirumalayampalayam and Kaliapuram, in the outskirts of Coimbatore. At Pampady in Kerala, he started Nehru College of Engineering & Research Centre and later on Nehru College of Pharmacy. At Lakkidi in Palakkad District, he started Jawaharlal College of Engineering and Technology. In 2010, Jawaharlal Aviation Institute was started at Lakkidi. A Super Specialty hospital named as P. K. Das Institute of Medical Sciences has been established at Vaniamkulam. All these have been conceived and nurtured under his close supervision. The efficient functioning and quality maintained in these institutions are testimonies to his diligence, greatness and success.

The might and strength of our beloved Chairman are etched deeply and are eloquently evident from the functioning of these Institutions. He was a simple, humble, noble and straight forward person, with aristocratic behavioral traits. He was a tall, handsome and commanding personality not only physically, but also intellectually and behaviorally. Those who come in contact with him cannot forget his magnificent virtues and ever lasting affection. He has left a great void, which can never be filled. Though he has left us at an untimely moment, still his wishes, aspirations and blessings surround us and energize us.

We see our beloved Chairman through his sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar. Our Chairman was an industrialist par excellence. We shall remember him and his benevolence throughout lives. We offer one thousand salutes to this Bhishmacharya of Higher Education.

Shri. P. K. DAS

F.I.E., F.I.Mech.E., A.F.R.Ae.S. (Lond) M.Ae.S.I. M.S., C. Engg.

Founder Chairman

Nehru Group of Institutions

Tamilnadu & Kerala

“Make “NIET” to Respond to the needs of the Society “

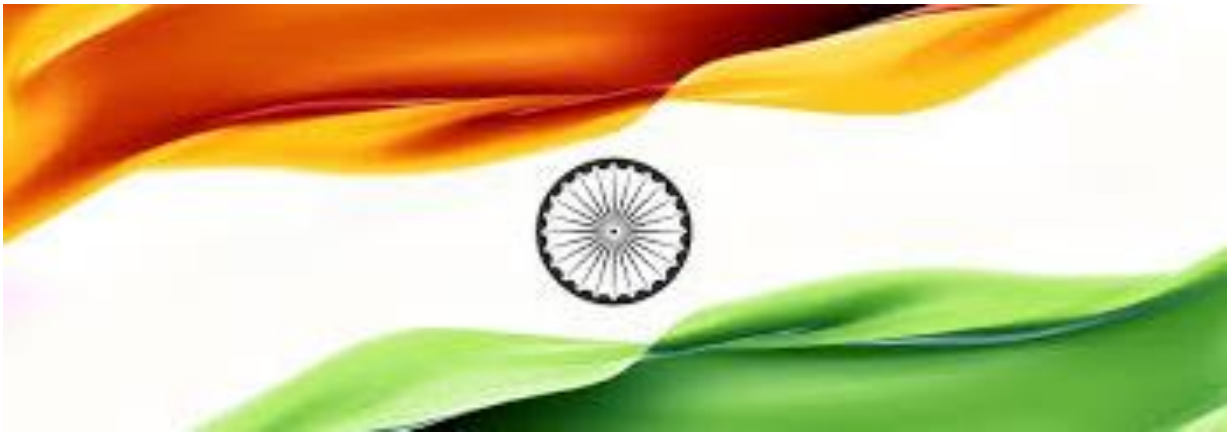
“Mould “NIET” for Protecting “Value System” for Education “

VISION

Our vision is to mould the youngsters to acquire sound knowledge in technical and scientific fields to face the future challenges by continuous upgradation of all resources and processes for the benefit of humanity as envisaged by our great leader Pandit Jawaharlal Nehru.

MISSION

- To build a strong centre of learning and research in engineering and technology.
- To facilitate the youth to learn and imbibe discipline, culture and spirituality.
- To produce quality engineers, dedicated scientists and leaders.
- To encourage entrepreneurship.
- To face the challenging needs of the global industries.



India is my country
and all Indians are my brothers and sisters.
I love my country
and I am proud of its rich and varied heritage.
I shall always strive to be worthy of it.
I shall give respect to my parents, teachers
and all elders and treat everyone with courtesy.
To my country and my people,
I pledge my devotion.
In their well-being and prosperity alone
lies my happiness.

PERSONAL MEMORANDA

1. Name : .....

2. Class & Roll No. : .....

3. Name of the Parent : ..... Guardian : .....

4. Permanent Address : .....

.....

Pin :.....Tel. /Cell : .....

5. Present Address : .....

.....Pin : .....

Mobile : ..... E-Mail : .....

6. Date of Birth : .....

7. Driving License No. : .....

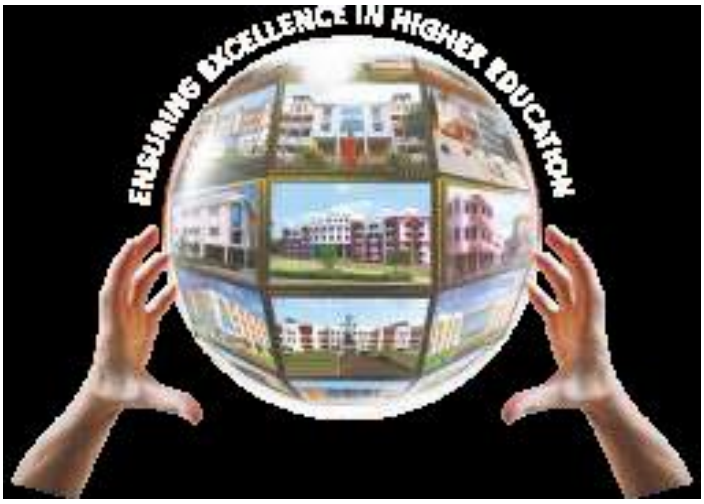
8. Insurance Policy No. : .....

9. Bank A/C No. : .....

10. Blood Group : .....

11. Day Scholar / Hosteller : .....

12. Emergency Contact No. : .....



About NEHRU GROUP OF INSTITUTIONS

The biggest conglomeration of Established Educational Institutions in Tamil Nadu and Kerala, befittingly christened after the name of Pandit Jawaharlal Nehru and pertinently known as ' Nehru Group of Institutions' was the fruition of long cherished dreams, ideals and ambitions of our Founder Chairman Shri. P. K. Das F.I.R., F.I.Mech.E., M.S. Engg., M.Ae.S.I., A.F.R.Ae.S (London), C. Engg., who was a great visionary with missionary zeal, a Chartered Engineer with reputation of the highest order, an Industrialist with extraordinary entrepreneurial spirit and a Philanthropist with benevolent and humanitarian approaches.

As an erudite and enlightened educationist, excellently endowed with extraordinary talents and tenacity, he has built up a galaxy of glorious institutions, running courses of interest to the students relevant to the present day requirements and required to imbibe specialized knowledge to the students to gain cutting-edge competencies.

Ever since its inception in 1968, it has grown from strength to strength and has blossomed into the biggest group, having at present 20 institutions, recognized by regulatory authorities like Universities and UGC, Accredited by AICTE and NAAC, PCI, DGCA, Certified by Internationally renowned ISO certifying agencies and resolved to render selfless, dedicated and devoted service to the cause of higher education in the relevant and rewarding fields of Engineering, Management, Commerce, Information Technology, Aeronautical Engineering, Industrial Training, Medical, Pharmacy, Architecture and Law.

The legacy left behind by our late chairman has been bequeathed by his two illustrious sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar by assuming offices of Chairman & Managing Trustee and CEO - Secretary respectively. They are totally committed and deeply involved in up keeping the traditions and upgrading the values of the institutions to the unimaginable heights of pride, prosperity and popularity. The running pages are pinning the hopes, faiths and confidence of all concern by unfolding the ultra modern infrastructure instituted carefully and liberally at every educational institution under their able management.

About NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Nehru Institute of Engineering and Technology, Approved by AICTE - New Delhi, Affiliated to Anna University – Chennai, Accredited by NAAC and Recognized by UGC Under Section 2(f) and 12(B) is established in the year 2006, under the able leadership of our Founder chairman, Shri. P. K. Das it has completed its tenth successful year and the institute is marching ahead towards achieving the Vision and Mission of our Founder chairman under the guidance of Our Chairman & Managing Trustee Adv. Dr. P. Krishna Das, and our beloved CEO and Secretary Dr. P. Krishna Kumar.

In completing its tenth year of establishment, NIET has successfully completed its NAAC Accreditation, Recognized by UGC under Section 2(f) and 12 (B) by extending its wings and included in itself 6 Undergraduate Programmes and 3 Master Programmes in Engineering along with **PG Programmes in MBA and MCA** with a total strength of students exceeding 2500 in number.

NIET is well-equipped with excellent infrastructure, dedicated team of eminent faculty members and laboratories with modern facilities. NIET has become one of the pioneer institutions in engineering in the region.

NIET is marching ahead in its road to success by showing continuous improvement in producing good academic results with university ranks in almost all the departments. A total of seventeen university ranks are secured during the academic year 2017-2018. NIET has marked tremendous improvement in the placement record of our students during the academic year 2017-2018.

The Institute’s main agenda is to achieve excellence in the field of technical education in order to satisfy the customers and society with the best talented technocrats from this temple of learning.

Courses Offered

B.E.

- Aeronautical Engineering
- Mechanical Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Mechatronics Engineering

M.E.

- Aeronautical Engineering
- Communication Systems
- Embedded System Technologies

MBA (Master of Business Administration)

Dual Specialization offered: -

- Finance
- Human Resource
- Marketing
- Systems
- Production

MCA (Master of Computer Application)

Dual Specialization offered: -

- Networking
- IBM Mainframe
- Software Testing

Eligibility

B.E.: +2 Pass with 50% in MPC

MBA: Any Degree with 50% marks and MAT / TANCET / CET

MCA: Any Degree with Maths & Govt. Entrance

GOVERNING COUNCIL

- Adv. Dr. P. Krishna Das, The Chairman & Managing Trustee, Nehru Group of Institutions.
- Dr. P. Krishna Kumar, The CEO & Secretary, Nehru Group of Institutions.
- Shri. Mahendra Ramadas, Managing Director, Mahendra Pumps, Coimbatore.
- Dr. T. Thangaraj, Advisor, Nehru Group of Institutions.
- Mr. N. Saravana Bhavan, The Managing Director, SGS Industries, Coimbatore.
- Dr. S. Muthu, Rtd. Professor, PSG College of Technology, Coimbatore.
- Dr. S. R. Devadasan, Professor, Dept. of Production Engineering, PSG. College of Technology, Coimbatore.
- Dr. V. Selladurai, The Principal, Coimbatore Institute of Technology, Coimbatore.
- Dr. P. Maniiarasan, The Principal, Nehru Institute of Engineering & Technology, Coimbatore.

Prevention of Sexual Harassment Cell

Chair Person: Dr. S. Shalini Packiam Kamala (Prof. & HOD - S & H)
Members: **Ms. M. Rabia (Librarian)**
Ms. M. Jeba Paulin (AP-ECE)
Prof. R. Ramanathan (AP-MECH)
Ms. R. Bhagyashree (AP- S&H)
Dr. V. K. Jayan (AP-MBA)

Hostel Management Committee

Chair Person: Dr. A. Sivasamy (Prof. & Overall Academic Coordinator)
Members: Mr. M. Manivel (AP-AERO)
Mr. M. Kalidoss (Assistant Physical Director)
Ms. A. Senthamilselvi (AP-AERO)
Mr. K. Natarajan (AP-ECE)
Ms. K. Megala (AP-MCT)
Mr. K. R. Aravind (AP-MBA)

Grievance & Redressal Cell (Staff /Students)

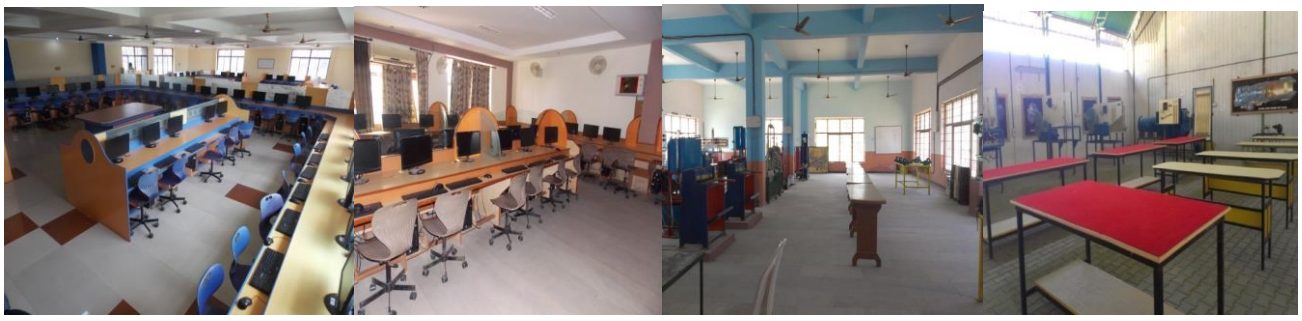
Chairman: Dr. B. Selvaraj, Dean S & H
Vice Chairman:Dr. P. T. Vijayarajakumar Director-MBA
Members: Ms. M. Amutha (AP-CSE)
Ms. S.M. Deepa (AP-ECE)
Dr. V. Mathivanan (AP-S&H)

Disciplinary Committee

Chairman: Dr. V. S. Thangarasu– Professor & HOD-MECH
Vice Chairman: Prof. B. R. Senthil Kumar – Professor-AERO
Members: Ms. M. Amutha (AP-CSE)
Mr. R. Sudarmani (AO)
Mr. M. Purushothaman (PD)
Mr. M. Kalidoss (Asst. PD)
Mr. D. Saravana Kumar (AP-EEE)
Ms. K. Sivakami (AP-ECE)
Mr. T. Krishnaprasath (AP-CSE)
Ms. A. Senthamilselvi (AP-AERO)

LABORATORIES

- Production Engineering Lab
- Thermodynamics Lab
- Fluid Mechanics & Machinery Lab
- Strength of Material Lab
- Dynamics Lab
- Metrology Lab
- CAD /CAM Lab
- Programming Lab
- Machine Shop
- General Engineering Workshop
- Aerodynamics Lab
- Aircraft Structure Lab
- Propulsion Lab
- Aero Engine and Airframe Lab
- Electrical Engineering Lab
- Electrical Machines Lab
- Electrical Circuits Lab
- Electronics Engineering Lab
- Electronic Devices & Circuits Lab
- Computer Aided Drafting and Modeling Lab
- Aircraft System Lab
- Flight Integration Systems and Control Lab
- Computer Practices Lab
- Digital Lab
- Programming and Data Structures Lab
- Embedded Lab
- Optical and Microwave Lab
- Control and Instrumentation Lab
- Power Electronics and Drives Lab
- Simulation Lab
- LIC Lab
- DSP Lab
- VLSI Lab
- Micro Processor & Micro Controller Lab
- Communication Lab
- Networks Lab
- Object oriented Programming Lab
- Data Structures Lab
- Innovative System Design Lab
- Operating system Lab
- Visual Programming Lab
- DBMS Lab
- Computer Graphics Lab
- Compiler Lab
- Communication Skills Lab
- Physics / Chemistry Lab
- Internet Programming Lab
- Case Tools Lab
- Mobile Application Development Lab
- Security Lab
- Manufacturing Technology Lab
- Thermal Engineering Lab
- Sensors and Signal Processing Lab
- CNC Lab
- Electrical Machines and Drives Lab
- Grid and Cloud Computing Lab
- Micro Controller and PLC Lab
- Applied Hydraulics and Pneumatics Lab
- Computer Practices Lab



SUBJECTS OF STUDY

B. E. / B. Tech. DEGREE

ANNA UNIVERSITY

Program Outcomes 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 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.

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, 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

B.E. AERONAUTICAL ENGINEERING

VISION

To acquire sound technical knowledge in the field of aeronautical engineering in an ever changing environment by upgrading all resources to serve the society for sustainable development.

MISSION

To propel the young students to face the challenges of global industries by imparting quality education in cutting edge technologies and research with formidable skills in aeronautical engineering and turn them into entrepreneurs and global leaders by integrating intellectual and ethical principles.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: To employ comprehensive knowledge in Aeronautical Engineering and analytical skills to work towards solving complex problems so as to excel in the professional career.

PEO2: To design, analyze and produce cutting edge engineering solutions by employing modern techniques and adhering to moral values for sustainable development.

PEO3: To assume global careers and leadership responsibilities through consistent learning with idealistic managerial practices**.**

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: To apply the knowledge of science and mathematical principles to analyze complex Aeronautical Engineering problems and produce cost-effective solutions for sustainable development.

PSO2: To gather data using modern tools and design techniques to develop solutions for Aeronautical Engineering challenges with professional ethics.

PSO3: To act as a team player to manage projects effectively with proper communication among all levels of the organization and exhibit ability to cultivate learning and development.

R – 2013 (For all II, III, IV Year Classes)						
I – VIII SEMESTERS CURRICULUM						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						

1.	HS6151	Technical English – I	3	1	0	4
2.	MA6151	Mathematics – I	3	1	0	4
3.	PH6151	Engineering Physics – I	3	0	0	3
4.	CY6151	Engineering Chemistry – I	3	0	0	3
5.	GE6151	Computer Programming	3	0	0	3
6.	GE6152	Engineering Graphics	2	0	3	4
PRACTICALS						
7.	GE6161	Computer Practices Laboratory	0	0	3	2
8.	GE6162	Engineering Practices Laboratory	0	0	3	2
9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
		Total	17	2	11	26
SEMESTER II						
THEORY						
1.	HS6251	Technical English – II	3	1	0	4
2.	MA6251	Mathematics – II	3	1	0	4
3.	PH6251	Engineering Physics – II	3	0	0	3
4.	CY6251	Engineering Chemistry – II	3	0	0	3
5.	GE6252	Basic Electrical and Electronics Engineering	4	0	0	4
6.	GE6253	Engineering Mechanics	3	1	0	4
PRACTICALS						
7.	GE6261	Computer Aided Drafting and Modeling Laboratory	0	1	2	2
8.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
		Total	19	4	4	25
SEMESTER III						
THEORY						
1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
2.	ME6352	Manufacturing Technology	3	0	0	3

3.	AE6301	Aero Engineering Thermodynamics	3	0	0	3
4.	CE6451	Fluid Mechanics and Machinery	3	0	0	3
5.	CE6452	Solid Mechanics	3	0	0	3
6.	AE6302	Elements of Aeronautics	3	0	0	3
PRACTICALS						
7.	CE6315	Strength of Materials Laboratory	0	0	3	2
8.	CE6461	Fluid Mechanics and Machinery Laboratory	0	0	3	2
9.	AE6311	Thermodynamics Laboratory	0	0	3	2
10.	AE6312	CAM and Manufacturing Laboratory	0	0	3	2
		Total	18	1	12	27
SEMESTER IV						
THEORY						
1.	MA6459	Numerical Methods	3	1	0	4
2.	AE6401	Aerodynamics - I	3	0	0	3
3.	AE6402	Aircraft Systems and Instruments	3	0	0	3
4.	AT6302	Mechanics of Machines	3	1	0	4
5.	AE6403	Aircraft Structures - I	3	1	0	4
6.	AE6404	Propulsion - I	3	0	0	3
PRACTICALS						
7.	AE6411	Aircraft Structures Laboratory - I	0	0	3	2
8.	AE6412	Aerodynamics Laboratory	0	0	3	2
9.	AE6413	CAD and Aircraft Component Drawing	0	0	4	2
		Total	18	3	10	27
SEMESTER V						
THEORY						
1.	AE6501	Flight Dynamics	3	1	0	4
2.	AE6502	Aircraft Structures - II	3	1	0	4

3.	AE6503	Aerodynamics - II	3	1	0	4
4.	AE6504	Propulsion - II	3	0	0	3
5.	AE6505	Control Engineering	3	0	0	3
6.	GE6351	Environmental Science and Engineering	3	0	0	3
PRACTICALS						
7.	AE6511	Aircraft Structures Laboratory - II	0	0	3	2
8.	AE6512	Propulsion Laboratory	0	0	3	2
9.	GE6563	Communication Skills - Laboratory Based	0	0	4	2
		Total	18	3	10	27
SEMESTER VI						
THEORY						
1.	MG6851	Principles of Management	3	0	0	3
2.	AE6601	Finite Element Methods	3	1	0	4
3.	AE6602	Vibrations and Elements of Aero elasticity	3	0	0	3
4.	AE6603	Composite Materials and Structures	3	0	0	3
5.	AE6604	Aircraft Materials and Processes	3	0	0	3
6.		Elective – I	3	0	0	3
PRACTICALS						
7.	AE6611	Aero Engine and Airframe Laboratory	0	0	3	2
8.	AE6612	Aircraft Design Project - I	0	0	3	2
9.	AE6613	Computer Aided Simulation Laboratory	0	0	3	2
		Total	18	1	9	25
SEMESTER VII						
THEORY						
1.	GE6757	Total Quality Management	3	0	0	3
2.	AE6701	Avionics	3	0	0	3
3.	ME6014	Computational Fluid Dynamics	3	0	0	3

4.	AE6702	Experimental Stress Analysis	3	0	0	3
5.		Elective – II	3	0	0	3
6.		Elective – III	3	0	0	3
PRACTICALS						
7.	AE6711	Aircraft Design Project - II	0	0	3	2
8.	AE6712	Aircraft System Laboratory	0	0	3	2
9.	AE6713	Flight Integration Systems and Control Laboratory	0	0	3	2
		Total	18	0	9	24
SEMESTER VIII						
THEORY						
1.	AE6801	Wind Tunnel Techniques	3	0	0	3
2.		Elective – IV	3	0	0	3
PRACTICALS						
3.	AE6811	Project Work	0	0	12	6
		Total	6	0	12	12
TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE = 193						
ELECTIVES FOR M.E. AERONAUTICAL ENGINEERING						
SEMESTER VI						
ELECTIVE – I						
1.	AE6001	Theory of Elasticity	3	0	0	3
2.	AE6002	Aircraft General Engineering and Maintenance	3	0	0	3
3.	AE6003	Space Mechanics	3	0	0	3
4.	AE6004	Heat Transfer	3	0	0	3
SEMESTER VII						
ELECTIVES– II						
1.	AE6005	Helicopter Theory	3	0	0	3
2.	AE6006	Theory of Plates and Shells	3	0	0	3

3.	AE6007	Fatigue and Fracture	3	0	0	3
4.	AE6008	UAV Systems	3	0	0	3
ELECTIVES – III						
1.	AE6009	Industrial Aerodynamics	3	0	0	3
2.	AE6010	Airframe Maintenance and Repair	3	0	0	3
3.	AE6011	Aero Engine Maintenance and Repair	3	0	0	3
4.	AE6012	Air Traffic Control and Planning	3	0	0	3
SEMESTER VIII						
ELECTIVES – IV						
1.	AE6013	Hypersonic Aerodynamics	3	0	0	3
2.	AE6014	Experimental Aerodynamics	3	0	0	3
3.	AE6015	Rockets and Missiles	3	0	0	3
4.	AE6016	Structural Dynamics	3	0	0	3

B.E. COMPUTER SCIENCE AND ENGINEERING

VISION

To produce highly competent and innovative computer professionals to meet the global demands.

MISSION

- To impart quality education by creative teaching learning process.
- To be technically competent, ethical and socially responsible throughout the professional career.
- To inculcate leadership qualities and entrepreneurship culture to meet global standards.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: To apply acquired knowledge in mathematical, scientific and engineering principles in order to excel in professional career.

PEO2: To analyze real life problems adapting to recent developments using IT tools, revealing

professional pursuit and ethical attitude, in order to provide economically feasible engineering solutions that are technically sound and socially acceptable.

PEO3: To carry out complex engineering activities with best practices exhibiting communication skills, team work and interpersonal skills to enable continued professional development through life-long learning.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: The ability to understand, analyze, design, implement and test to solve computational problems by applying analytical skills and basic computer engineering concepts.

PSO2: The ability to employ modern software tools within realistic constraints such as economical, environmental, social, ethical, health and safety, relevant to professional computer engineering practice and solutions for sustainability.

PSO3: The ability to use communication skills and management concepts to function effectively as an individual and in a team to manage projects and engage in life- long learning.

R – 2013 (For all II, III, IV Year Classes)						
I – VIII SEMESTERS CURRICULUM						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	HS6151	Technical English – I	3	1	0	4
2.	MA6151	Mathematics – I	3	1	0	4
3.	PH6151	Engineering Physics – I	3	0	0	3
4.	CY6151	Engineering Chemistry – I	3	0	0	3
5.	GE6151	Computer Programming	3	0	0	3
6.	GE6152	Engineering Graphics	2	0	3	4
PRACTICALS						
7.	GE6161	Computer Practices Laboratory	0	0	3	2
8.	GE6162	Engineering Practices Laboratory	0	0	3	2
9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1

		Total	17	2	11	26
SEMESTER II						
THEORY						
1.	HS6251	Technical English – II	3	1	0	4
2.	MA6251	Mathematics – II	3	1	0	4
3.	PH6251	Engineering Physics – II	3	0	0	3
4.	CY6251	Engineering Chemistry – II	3	0	0	3
5.	CS6201	Digital Principles and System Design	3	0	0	3
6.	CS6202	Programming and Data Structures I	3	0	0	3
PRACTICALS						
7.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
8.	CS6211	Digital Laboratory	0	0	3	2
9.	CS6212	Programming and Data Structures Laboratory I	0	0	3	2
		Total	18	2	8	25
SEMESTER III						
THEORY						
1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
2.	CS6301	Programming and Data Structure II	3	0	0	3
3.	CS6302	Database Management Systems	3	0	0	3
4.	CS6303	Computer Architecture	3	0	0	3
5.	CS6304	Analog and Digital Communication	3	0	0	3
6.	GE6351	Environmental Science and Engineering	3	0	0	3
PRACTICALS						
7.	CS6311	Programming and Data Structure Laboratory II	0	0	3	2
8.	CS6312	Database Management Systems Laboratory	0	0	3	2
		Total	18	1	6	23
SEMESTER IV						

THEORY						
1.	MA6453	Probability and Queuing Theory	3	1	0	4
2.	CS6551	Computer Networks	3	0	0	3
3.	CS6401	Operating Systems	3	0	0	3
4.	CS6402	Design and Analysis of Algorithms	3	0	0	3
5.	EC6504	Microprocessor and Microcontroller	3	0	0	3
6.	CS6403	Software Engineering	3	0	0	3
PRACTICALS						
7.	CS6411	Networks Laboratory	0	0	3	2
8.	CS6412	Microprocessor and Microcontroller Laboratory	0	0	3	2
9.	CS6413	Operating Systems Laboratory	0	0	3	2
		Total	18	1	9	25
SEMESTER V						
THEORY						
1.	MA6566	Discrete Mathematics	3	1	0	4
2.	CS6501	Internet Programming	3	1	0	4
3.	CS6502	Object Oriented Analysis and Design	3	0	0	3
4.	CS6503	Theory of Computation	3	0	0	3
5.	CS6504	Computer Graphics	3	0	0	3
PRACTICALS						
6.	CS6511	Case Tools Laboratory	0	0	3	2
7.	CS6512	Internet Programming Laboratory	0	0	3	2
8.	CS6513	Computer Graphics Laboratory	0	0	3	2
		Total	15	2	9	23
SEMESTER VI						
THEORY						
1.	CS6601	Distributed Systems	3	0	0	3

2.	IT6601	Mobile Computing	3	0	0	3
3.	CS6660	Compiler Design	3	0	0	3
4.	IT6502	Digital Signal Processing	3	1	0	4
5.	CS6659	Artificial Intelligence	3	0	0	3
6.		Elective I	3	0	0	3
PRACTICALS						
7.	CS6611	Mobile Application Development Laboratory	0	0	3	2
8.	CS6612	Compiler Laboratory	0	0	3	2
9.	GE6674	Communication and Soft Skills - Laboratory Based	0	0	3	2
		Total	18	1	10	25
SEMESTER VII						
THEORY						
1.	CS6701	Cryptography and Network Security	3	0	0	3
2.	CS6702	Graph Theory and Applications	3	0	0	3
3.	CS6703	Grid and Cloud Computing	3	0	0	3
4.	CS6704	Resource Management Techniques	3	0	0	3
5.		Elective II	3	0	0	3
6.		Elective III	3	0	0	3
PRACTICALS						
7.	CS6711	Security Laboratory	0	0	3	2
8.	CS6712	Grid and Cloud Computing Laboratory	0	0	3	2
		Total	18	0	6	22
SEMESTER VIII						
THEORY						
1.	CS6801	Multi – Core Architectures and Programming	3	0	0	3

2.		Elective IV	3	0	0	3
3.		Elective V	3	0	0	3
PRACTICALS						
4.	CS6811	Project Work	0	0	12	6
		Total	9	0	12	15
TOTAL NO. OF CREDITS: 184						
LIST OF ELECTIVES						
SEMESTER VI						
ELECTIVE – I						
1.	CS6001	C# and .Net programming	3	0	0	3
2.	GE6757	Total Quality Management	3	0	0	3
3.	IT6702	Data Warehousing and Data Mining	3	0	0	3
4.	CS6002	Network Analysis and Management	3	0	0	3
5.	IT6004	Software Testing	3	0	0	3
SEMESTER VII						
ELECTIVES– II						
6.	CS6003	Ad hoc and Sensor Networks	3	0	0	3
7.	CS6004	Cyber Forensics	3	0	0	3
8.	CS6005	Advanced Database Systems	3	0	0	3
9.	BM6005	Bio Informatics	3	0	0	3
10.	IT6801	Service Oriented Architecture	3	0	0	3
ELECTIVES – III						
11.	IT6005	Digital Image Processing	3	0	0	3
12.	EC6703	Embedded and Real Time Systems	3	0	0	3
13.	CS6006	Game Programming	3	0	0	3
14.	CS6007	Information Retrieval	3	0	0	3

15.	IT6006	Data Analytics	3	0	0	3
SEMESTER VIII						
ELECTIVES – IV						
16.	CS6008	Human Computer Interaction	3	0	0	3
17.	CS6009	Nano Computing	3	0	0	3
18.	IT6011	Knowledge Management	3	0	0	3
19.	CS6010	Social Network Analysis	3	0	0	3
SEMESTER VIII						
ELECTIVES – V						
20.	MG6088	Software Project Management	3	0	0	3
21.	GE6075	Professional Ethics in Engineering	3	0	0	3
22.	CS6011	Natural Language Processing	3	0	0	3
23.	CS6012	Soft Computing	3	0	0	3

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING

VISION

To become a centre of excellence in electronics and communication engineering by imparting quality technical education imbibed with human values and professional ethics, facilitating research activities and cater to the growing industrial demands and societal needs.

MISSION

- To educate and empower the students with state of art knowledge and latest trends in electronics and communication engineering to meet the growing real world challenges.
- To inculcate professional ethics and moral values among the students.
- To impart industrial and managerial skills to promote self-employment and adapt to appropriate technology to meet the challenges arising out of global demand.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

A graduate of the Electronics and Communication Engineering Program should be able to:

PEO1: Establish a strong foundation in the fundamentals of mathematics, science and engineering necessary to formulate, analyze and solve engineering problems and prepare themselves for post graduate studies and/or for a successful carrier.

PEO2: Define and analyze real life engineering problems in the field of electronics and communication engineering and find sound, feasible and acceptable solutions beneficial to the society.

PEO3: Work effectively in a group with good communication skill, managerial skill, professionalism and ethical attitude, possessing expertise to write reports and express clearly in a multidisciplinary environment through continuous learning.

PROGRAMME SPECIFIC OUTCOMES (PSO)

A Graduate of the Electronics and Communication Engineering Program will demonstrate:

PSO1: An ability to understand and analyze the basic concepts in mathematics, science and electronics & communication engineering and apply them to various areas namely electronics, communication, signal processing, VLSI, embedded systems etc., in the design and implementation of complex systems.

PSO2: An ability to solve complex electronics and communication engineering problems using latest hardware and software tools along with analytical skills to arrive cost-effective and appropriate solutions.

PSO3: An ability to understand social-awareness & environmental-wisdom along with ethical responsibility to have a successful career and to sustain passion and zeal for real-life applications using optimal resources.

PSO4: An ability to function effectively as an individual or a member in a team to manage projects, communicate effectively on complex engineering activities and adapt to recent trends through continuous learning.

R – 2013 (For all II, III, IV Year Classes)						
I – VIII SEMESTERS CURRICULUM						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**

THEORY						
1.	HS6151	Technical English – I	3	1	0	4
2.	MA6151	Mathematics – I	3	1	0	4
3.	PH6151	Engineering Physics – I	3	0	0	3
4.	CY6151	Engineering Chemistry – I	3	0	0	3
5.	GE6151	Computer Programming	3	0	0	3
6.	GE6152	Engineering Graphics	2	0	3	4
PRACTICALS						
7.	GE6161	Computer Practices Laboratory	0	0	3	2
8.	GE6162	Engineering Practices Laboratory	0	0	3	2
9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
		Total	17	2	11	26
SEMESTER II						
THEORY						
1.	HS6251	Technical English – II	3	1	0	4
2.	MA6251	Mathematics – II	3	1	0	4
3.	PH6251	Engineering Physics – II	3	0	0	3
4.	CY6251	Engineering Chemistry – II	3	0	0	3
5.	EC6201	Electronic Devices	3	0	0	3
6.	EE6201	Circuit Theory	3	1	0	4
PRACTICALS						
7.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
8.	EC6211	Circuits and Devices Laboratory	0	0	3	2
		Total	18	3	5	24
SEMESTER III						
THEORY						
1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4

2.	EE6352	Electrical Engineering and Instrumentation	3	1	0	4
3.	EC6301	Object Oriented Programming and Data Structures	3	0	0	3
4.	EC6302	Digital Electronics	3	0	0	3
5.	EC6303	Signals and Systems	3	1	0	4
6.	EC6304	Electronic Circuits- I	3	1	0	4
PRACTICALS						
7.	EC6311	Analog and Digital Circuits Laboratory	0	0	3	2
8.	EC6312	OOPS and Data Structures Laboratory	0	0	3	2
		Total	18	4	6	26
SEMESTER IV						
THEORY						
1.	MA6451	Probability and Random Processes	3	1	0	4
2.	EC6401	Electronic Circuits II	3	0	0	3
3.	EC6402	Communication Theory	3	0	0	3
4.	EC6403	Electromagnetic Fields	3	1	0	4
5.	EC6404	Linear Integrated Circuits	3	0	0	3
6.	EC6405	Control System Engineering	3	0	0	3
PRACTICALS						
7.	EC6411	Circuit and Simulation Integrated Laboratory	0	0	3	2
8.	EC6412	Linear Integrated Circuit Laboratory	0	0	3	2
9.	EE6461	Electrical Engineering and Control System	0	0	3	2
		Total	18	2	9	26
SEMESTER V						
THEORY						
1.	EC6501	Digital Communication	3	0	0	3
2.	EC6502	Principles of Digital Signal Processing	3	1	0	4
3.	EC6503	Transmission Lines and Wave Guides	3	1	0	4

4.	GE6351	Environmental Science and Engineering	3	0	0	3
5.	EC6504	Microprocessor and Microcontroller	3	0	0	3
PRACTICALS						
6.	EC6511	Digital Signal Processing Laboratory	0	0	3	2
7.	EC6512	Communication System Laboratory	0	0	3	2
8.	EC6513	Microprocessor and Microcontroller Laboratory	0	0	3	2
		Total	15	2	9	23
SEMESTER VI						
THEORY						
1.	MG6851	Principles of Management	3	0	0	3
2.	CS6303	Computer Architecture	3	0	0	3
3.	CS6551	Computer Networks	3	0	0	3
4.	EC6601	VLSI Design	3	0	0	3
5.	EC6602	Antenna and Wave propagation	3	0	0	3
6.		Elective I	3	0	0	3
PRACTICALS						
7.	EC6611	Computer Networks Laboratory	0	0	3	2
8.	EC6612	VLSI Design Laboratory	0	0	3	2
9.	GE6674	Communication and Soft Skills – Laboratory Based	0	0	4	2
		Total	18	0	10	24
SEMESTER VII						
THEORY						
1.	EC6701	RF and Microwave Engineering	3	0	0	3
2.	EC6702	Optical Communication and Networks	3	0	0	3
3.	EC6703	Embedded and Real Time Systems	3	0	0	3
4.		Elective II	3	0	0	3

5.		Elective III	3	0	0	3
6.		Elective IV	3	0	0	3
PRACTICALS						
7.	EC6711	Embedded Laboratory	0	0	3	2
8.	EC6712	Optical and Microwave Laboratory	0	0	3	2
		Total	18	0	6	22
SEMESTER VIII						
THEORY						
1.	EC6801	Wireless Communication	3	0	0	3
2.	EC6802	Wireless Networks	3	0	0	3
3.		Elective V	3	0	0	3
4.		Elective VI	3	0	0	3
PRACTICALS						
5.	EC6811	Project Work	0	0	12	6
		Total	12	0	12	18
TOTAL CREDITS:189						
LIST OF ELECTIVES						
SEMESTER VI						
ELECTIVE – I						
1.	EC6001	Medical Electronics	3	0	0	3
2.	EC6002	Advanced Digital Signal Processing	3	0	0	3
3.	CS6401	Operating Systems	3	0	0	3
4.	EC6003	Robotics and Automation	3	0	0	3
SEMESTER VII						
ELECTIVES– II						
5.	EC6004	Satellite Communication	3	0	0	3
6.	EC6005	Electronic Testing	3	0	0	3

7.	EC6006	Avionics	3	0	0	3
8.	CS6012	Soft Computing	3	0	0	3
9.	IT6005	Digital Image Processing	3	0	0	3
ELECTIVES – III						
10.	EC6007	Speech Processing	3	0	0	3
11.	EC6008	Web Technology	3	0	0	3
12.	EC6009	Advanced Computer Architecture	3	0	0	3
13.	EC 6010	Electronics Packaging	3	0	0	3
14.	EC6011	Electro Magnetic Interference	3	0	0	3
ELECTIVES – IV						
15.	EC6012	CMOS Analog IC Design	3	0	0	3
16.	EC6013	Advanced Microprocessors and Microcontrollers	3	0	0	3
17.	EC6014	Cognitive Radio	3	0	0	3
18.	EC6015	Radar and Navigational Aids	3	0	0	3
19.	EC6016	Opto Electronic Devices	3	0	0	3
SEMESTER VIII						
ELECTIVES – V						
20.	EC6017	RF System Design	3	0	0	3
21.	CS6003	Ad hoc and Sensors Networks	3	0	0	3
22.	GE6082	Indian Constitution and Society	3	0	0	3
23.	EC6018	Multimedia Compression and Communication	3	0	0	3
24.	GE6075	Professional Ethics in Engineering	3	0	0	3
ELECTIVE – VI						
25.	EC6019	Data Converters	3	0	0	3
26.	CS6701	Cryptography and Network Security	3	0	0	3
27.	GE6757	Total Quality Management	3	0	0	3
28.	MG6071	Entrepreneurship Development	3	0	0	3

29.	MG6088	Software Project Management	3	0	0	3

B. E. ELECTRICAL AND ELECTRONICS ENGINEERING

VISION

To become a preferred destination for quality education in the domain of Electrical and Electronics Engineering, generating world class professionals embedded with ethical and human values, through outcome based education and core research to face the challenges in industry encountered with routine and real-life problems.

MISSION

- To build a strong centre of learning and research in Electrical and Electronics Engineering
- To mould the youth to combat challenges and propagate prosperity through technology and value based education.
- To impart high quality education using innovative methods of teaching-learning process.
- To encourage entrepreneurship in the area of energy engineering by providing proper guidance.
- To create globally recognized professionals in the field of Electrical and Electronics Engineering.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: To perform well in a professional career with the usage of various soft computing tools which would enable them to apply effectively the basic theoretical knowledge acquired in mathematics, science and engineering to design and develop the various engineering problems related to the field of electrical and electronics engineering.

PEO2: To design and analyze an engineering product, practicing codes of professional ethics and to create awareness regarding moral responsibilities in dealing with environmental and social issues.

PEO3: To converse fluently and precisely in a language well understood by others to convey their ideas and views regarding various issues that arise during their career as professionals and make them realize the importance and benefits of team work.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: To apply the knowledge of mathematics, science, general engineering concepts and electrical engineering principles to formulate and analyze complex engineering problems and design electrical and electronics systems and devices for specific requirements considering electrical safety, social and environmental aspects.

PSO2: To apply appropriate technology and modern software tools using research-based knowledge to design and develop projects, translate data and provide valid results.

PSO3: To apply reasoning, responsibilities and ethical principles relevant to professional engineering practice and understand the impact of engineering solutions for continuous development.

PSO4: To work effectively as an individual or in a team to manage projects with good oral communication and report writing skills to make impressive presentation on complex engineering activities and adapt to emerging trends through life-long learning.

R – 2013 (For all II, III, IV Year Classes)						
I – VIII SEMESTERS CURRICULUM						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	HS6151	Technical English - I	3	1	0	4
2.	MA6151	Mathematics - I	3	1	0	4
3.	PH6151	Engineering Physics - I	3	0	0	3
4.	CY6151	Engineering Chemistry - I	3	0	0	3
5.	GE6151	Computer Programming	3	0	0	3
6.	GE6152	Engineering Graphics	2	0	3	4
PRACTICALS						
7.	GE6161	Computer Practices Laboratory	0	0	3	2

8.	GE6162	Engineering Practices Laboratory	0	0	3	2
9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
		Total	17	2	11	26
SEMESTER II						
THEORY						
1.	HS6251	Technical English - II	3	1	0	4
2.	MA6251	Mathematics - II	3	1	0	4
3.	PH6251	Engineering Physics - II	3	0	0	3
4.	CY6251	Engineering Chemistry - II	3	0	0	3
5.	GE6251	Basic Civil and Mechanical Engineering	4	0	0	4
6.	EE6201	Circuit Theory	3	1	0	4
PRACTICALS						
7.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
8.	GE6263	Computer Programming Laboratory	0	1	2	2
9.	EE6211	Electric Circuits Laboratory	0	0	3	2
		Total	19	4	7	27
SEMESTER III						
THEORY						
1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
2.	EE6301	Digital Logic Circuits	3	1	0	4
3.	EE6302	Electromagnetic Theory	3	1	0	4
4.	GE6351	Environmental Science and Engineering	3	0	0	3
5.	EC6202	Electronic Devices and Circuits	3	1	0	4
6.	EE6303	Linear Integrated Circuits and Applications	3	0	0	3
PRACTICALS						
7.	EC6361	Electronics Laboratory	0	0	3	2
8.	EE6311	Linear and Digital Integrated Circuits	0	0	3	2

		Laboratory				
		Total	18	4	6	26
SEMESTER IV						
THEORY						
1.	MA6459	Numerical Methods	3	1	0	4
2.	EE6401	Electrical Machines - I	3	1	0	4
3.	CS6456	Object Oriented Programming	3	0	0	3
4.	EE6402	Transmission and Distribution	3	0	0	3
5.	EE6403	Discrete Time Systems and Signal Processing	3	0	0	3
6.	EE6404	Measurements and Instrumentation	3	0	0	3
PRACTICALS						
7.	CS6461	Object Oriented Programming Laboratory	0	0	3	2
8.	EE6411	Electrical Machines Laboratory - I	0	0	3	2
		Total	18	2	6	24
SEMESTER V						
THEORY						
1.	EE6501	Power System Analysis	3	0	0	3
2.	EE6502	Microprocessors and Microcontrollers	3	0	0	3
3.	ME6701	Power Plant Engineering	3	0	0	3
4.	EE6503	Power Electronics	3	0	0	3
5.	EE6504	Electrical Machines - II	3	1	0	4
6.	IC6501	Control Systems	3	1	0	4
PRACTICALS						
7.	EE6511	Control and Instrumentation Laboratory	0	0	3	2
8.	GE6563	Communication Skills - Laboratory Based	0	0	4	2
9.	EE6512	Electrical Machines Laboratory - II	0	0	3	2
		Total	18	2	10	26

SEMESTER VI						
THEORY						
1.	EC6651	Communication Engineering	3	0	0	3
2.	EE6601	Solid State Drives	3	0	0	3
3.	EE6602	Embedded Systems	3	0	0	3
4.	EE6603	Power System Operation and Control	3	0	0	3
5.	EE6604	Design of Electrical Machines	3	1	0	4
6.		Elective - I	3	0	0	3
PRACTICALS						
7.	EE6611	Power Electronics and Drives Laboratory	0	0	3	2
8.	EE6612	Microprocessors and Microcontrollers Laboratory	0	0	3	2
9.	EE6613	Presentation Skills and Technical Seminar	0	0	2	1
		Total	18	1	8	24
SEMESTER VII						
THEORY						
1.	EE6701	High Voltage Engineering	3	0	0	3
2.	EE6702	Protection and Switchgear	3	0	0	3
3.	EE6703	Special Electrical Machines	3	0	0	3
4.	MG6851	Principles of Management	3	0	0	3
5.		Elective – II	3	0	0	3
6.		Elective – III	3	0	0	3
PRACTICALS						
7.	EE6711	Power System Simulation Laboratory	0	0	3	2
8.	EE6712	Comprehension	0	0	2	1
		Total	18	0	5	21
SEMESTER VIII						

THEORY						
1.	EE6801	Electric Energy Generation, Utilization and Conservation	3	0	0	3
2.		Elective – IV	3	0	0	3
3.		Elective – V	3	0	0	3
PRACTICALS						
4.	EE6811	Project Work	0	0	12	6
		Total	9	0	12	15
TOTAL CREDITS: 189						
ELECTIVE – I						
1.	EE6001	Visual Languages and Applications	3	0	0	3
2.	IC6601	Advanced Control System	3	0	0	3
3.	EE6002	Power System Transients	3	0	0	3
4.	EE6003	Optimization Techniques	3	0	0	3
ELECTIVES– II						
5.	EI6703	Fiber Optics and Laser Instruments	3	0	0	3
6.	EI6704	Biomedical Instrumentation	3	0	0	3
7.	EE6004	Flexible AC Transmission Systems	3	0	0	3
8.	EE6005	Power Quality	3	0	0	3
9.	EE6006	Applied Soft Computing	3	0	0	3
ELECTIVES – III						
10.	GE6081	Fundamentals of Nanoscience	3	0	0	3
11.	IC6002	System Identification and Adaptive Control	3	0	0	3
12.	EE6007	Micro Electro Mechanical Systems	3	0	0	3
13.	EE6008	Microcontroller Based System Design	3	0	0	3
ELECTIVES – IV						
14.	EE6009	Power Electronics for Renewable Energy	3	0	0	3

		Systems				
15.	EE6010	High Voltage Direct Current Transmission	3	0	0	3
16.	EE6011	Power System Dynamics	3	0	0	3
17.	IC6003	Principles of Robotics	3	0	0	3
ELECTIVES – V						
18.	GE6075	Professional Ethics in Engineering	3	0	0	3
19.	GE6757	Total Quality Management	3	0	0	3
20.	EC6002	Advanced Digital Signal Processing	3	0	0	3
21.	EE6012	Computer Aided Design of Electrical Apparatus	3	0	0	3
22.	EC6601	VLSI Design	3	0	0	3

B.E. MECHANICAL ENGINEERING

VISION

To mould the Mechanical Engineering aspirants Into Employable Engineers and Successful Entrepreneurs.

MISSION

- To be centre of excellence in Mechanical Engineering in providing Quality Education.
- To upgrade infrastructure and faculty competency for Continuous Development.
- To inculcate a work culture that yields Socio-Economical Engineers and Intellectuals.
- To Edificate leadership qualities to pursue Professional Career and Entrepreneurship.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: To excel in career applying knowledge in mathematics, science and engineering fundamentals essential to create, solve and analyze Mechanical Engineering related problems.

PEO2: To design, analyze and implement cost-effective solutions to engineering problems encountered in the field that are beneficial to the society.

PEO3: To establish careers in industry by exhibiting professionalism that meets the needs of national and multinational companies with adequate technical learning and communication skills.

PROGRAMME SPECIFIC OUTCOMES (PSO)

Upon graduation the student should be able to

PSO1: Perform duties of Mechanical Engineer in understanding and analyzing the complexities of day to day problems of society using the fundamental knowledge in mathematics, science and engineering.

PSO2: Apply modern tools to interpret data, design and develop solutions to complex Mechanical Engineering issues employing ethical principles and professional engineering practices.

PSO3: Function as an engineering solution provider or entrepreneur, who is able to manage, innovate, communicate, train and lead a team for continuous improvement.

R – 2013 (For all II, III, IV Year Classes)						
I – VIII SEMESTERS CURRICULUM						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	HS6151	Technical English – I	3	1	0	4
2.	MA6151	Mathematics – I	3	1	0	4
3.	PH6151	Engineering Physics – I	3	0	0	3
4.	CY6151	Engineering Chemistry – I	3	0	0	3
5.	GE6151	Computer Programming	3	0	0	3
6.	GE6152	Engineering Graphics	2	0	3	4
PRACTICALS						
7.	GE6161	Computer Practices Laboratory	0	0	3	2
8.	GE6162	Engineering Practices Laboratory	0	0	3	2
9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
		Total	17	2	11	26
SEMESTER II						
THEORY						

1.	HS6251	Technical English – II	3	1	0	4
2.	MA6251	Mathematics – II	3	1	0	4
3.	PH6251	Engineering Physics – II	3	0	0	3
4.	CY6251	Engineering Chemistry – II	3	0	0	3
5.	GE6252	Basic Electrical and Electronics Engineering	4	0	0	4
6.	GE6253	Engineering Mechanics	3	1	0	4
PRACTICALS						
7.	GE6261	Computer Aided Drafting and Modeling Laboratory	0	1	2	2
8.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
		Total	19	4	4	25
SEMESTER III						
THEORY						
1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
2.	CE6306	Strength of Materials	3	1	0	4
3.	ME6301	Engineering Thermodynamics	3	0	0	3
4.	CE6451	Fluid Mechanics and Machinery	3	0	0	3
5.	ME6302	Manufacturing Technology - I	3	0	0	3
6.	EE6351	Electrical Drives and Controls	3	0	0	3
PRACTICALS						
7.	ME6311	Manufacturing Technology Laboratory - I	0	0	3	2
8.	CE6461	Fluid Mechanics and Machinery Laboratory	0	0	3	2
9.	EE6365	Electrical Engineering Laboratory	0	0	3	2
		Total	18	2	9	26
SEMESTER IV						
THEORY						
1.	MA6452	Statistics and Numerical Methods	3	1	0	4

2.	ME6401	Kinematics of Machinery	3	0	0	3
3.	ME6402	Manufacturing Technology– II	3	0	0	3
4.	ME6403	Engineering Materials and Metallurgy	3	0	0	3
5.	GE6351	Environmental Science and Engineering	3	0	0	3
6.	ME6404	Thermal Engineering	3	0	0	3
PRACTICALS						
7.	ME6411	Manufacturing Technology Laboratory–II	0	0	3	2
8.	ME6412	Thermal Engineering Laboratory - I	0	0	3	2
9.	CE6315	Strength of Materials Laboratory	0	0	3	2
		Total	18	1	9	25
SEMESTER V						
THEORY						
1.	ME6501	Computer Aided Design	3	0	0	3
2.	ME6502	Heat and Mass Transfer	3	0	0	3
3.	ME6503	Design of Machine Elements	3	0	0	3
4.	ME6504	Metrology and Measurements	3	0	0	3
5.	ME6505	Dynamics of Machines	3	0	0	3
6.	GE6075	Professional Ethics in Engineering	3	0	0	3
PRACTICALS						
7.	ME6511	Dynamics Laboratory	0	0	3	2
8.	ME6512	Thermal Engineering Laboratory-II	0	0	3	2
9.	ME6513	Metrology and Measurements Laboratory	0	0	3	2
		Total	18	0	9	24
SEMESTER VI						
THEORY						
1.	ME6601	Design of Transmission Systems	3	0	0	3

2.	MG6851	Principles of Management	3	0	0	3
3.	ME6602	Automobile Engineering	3	0	0	3
4.	ME6603	Finite Element Analysis	3	0	0	3
5.	ME6604	Gas Dynamics and Jet Propulsion	3	0	0	3
6.		Elective - I	3	0	0	3
PRACTICALS						
7.	ME6611	C.A.D. / C.A.M. Laboratory	0	0	3	2
8.	ME6612	Design and Fabrication Project	0	0	4	2
9.	GE6563	Communication Skills - Laboratory Based	0	0	4	2
		Total	18	0	11	24
SEMESTER VII						
THEORY						
1.	ME6701	Power Plant Engineering	3	0	0	3
2.	ME6702	Mechatronics	3	0	0	3
3.	ME6703	Computer Integrated Manufacturing Systems	3	0	0	3
4.	GE6757	Total Quality Management	3	0	0	3
5.		Elective – II	3	0	0	3
6.		Elective – III	3	0	0	3
PRACTICALS						
7.	ME6711	Simulation and Analysis Laboratory	0	0	3	2
8.	ME6712	Mechatronics Laboratory	0	0	3	2
9.	ME6713	Comprehension	0	0	2	1
		Total	18	0	8	23
SEMESTER VIII						
THEORY						
1.	MG6863	Engineering Economics	3	0	0	3

2.		Elective – IV	3	0	0	3
3.		Elective – V	3	0	0	3
PRACTICALS						
4.	ME6811	Project Work	0	0	12	6
		Total	9	0	12	15
TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE = 188						
SEMESTER VI **ELECTIVE – I**						
1.	MG6072	Marketing Management	3	0	0	3
2.	ME6001	Quality Control and Reliability Engineering	3	0	0	3
3.	ME6002	Refrigeration and Air conditioning	3	0	0	3
4.	ME6003	Renewable Sources of Energy	3	0	0	3
5.	ME6004	Unconventional Machining Processes	3	0	0	3
SEMESTER VII **ELECTIVES– II**						
1.	ME6005	Process Planning and Cost Estimation	3	0	0	3
2.	ME6006	Design of Jigs, Fixtures and Press Tools	3	0	0	3
3.	ME6007	Composite Materials and Mechanics	3	0	0	3
4.	ME6008	Welding Technology	3	0	0	3
5.	ME6009	Energy Conservation and Management	3	0	0	3
ELECTIVES – III						
1.	ME6010	Robotics	3	0	0	3
2.	GE6081	Fundamentals of Nanoscience	3	0	0	3
3.	ME6011	Thermal Turbo Machines	3	0	0	3
4.	ME6012	Maintenance Engineering	3	0	0	3
5.	EE6007	Micro Electro Mechanical Systems	3	0	0	3
SEMESTER-VIII						

ELECTIVES – IV						
1.	IE6605	Production Planning and Control	3	0	0	3
2.	MG6071	Entrepreneurship Development	3	0	0	3
3.	ME6013	Design of Pressure Vessels and Piping	3	0	0	3
4.	ME6014	Computational Fluid Dynamics	3	0	0	3
5.	ME6015	Operations Research	3	0	0	3
ELECTIVES – V						
1.	ME6016	Advanced I.C. Engines	3	0	0	3
2.	ME6017	Design of Heat Exchangers	3	0	0	3
3.	ME6018	Additive Manufacturing	3	0	0	3
4.	ME6019	Non Destructive Testing and Materials	3	0	0	3
5.	ME6020	Vibration and Noise Control	3	0	0	3

B.E. MECHATRONICS ENGINEERING

VISION

Our Vision is to strive the students to foster rigorous academic emphasis with rich diversity of skills for the ability and passion to work sensibly and ethically for the betterment of humankind.

MISSION

- To prepare excellent Mechatronics Engineers with leading edge technology.
- To achieve blending of knowledge attainment and application.
- To impart value-based training and inculcate socially committed professionalism.
- To develop the future engineers with invaluable entrepreneurial skill.
- To build a strong integrated team of Mechatronics professionals.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: Application of mathematical modeling, scientific and automation concepts to formulate problems in Mechatronics systems and provide solutions employing modern tools.

PEO2: Professional practice driven by value based education committed to ethical principles,

environmental concerns and social issues with continuous learning.

PEO3: Ability to work in a team as a member/leader possessing technical and organizational capabilities to manage/initiate an enterprise.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: To understand the concepts of engineering fundamentals, design and problem analysis to arrive at multiple solutions for the complex problems using classical methods and modern IT tools.

PSO2: To provide an opportunity to identify the responsibilities of social engineering practices by knowing the ethical and environmental values for the sustainable development.

PSO3: To persist with life-long learning and effective communication to lead a team to promote managerial skills and entrepreneurship in multidisciplinary environment.

R – 2013 (For all II, III, IV Year Classes)						
I – VIII SEMESTERS CURRICULUM						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	HS6151	Technical English – I	3	1	0	4
2.	MA6151	Mathematics – I	3	1	0	4
3.	PH6151	Engineering Physics – I	3	0	0	3
4.	CY6151	Engineering Chemistry – I	3	0	0	3
5.	GE6151	Computer Programming	3	0	0	3
6.	GE6152	Engineering Graphics	2	0	3	4
PRACTICALS						
7.	GE6161	Computer Practices Laboratory	0	0	3	2
8.	GE6162	Engineering Practices Laboratory	0	0	3	2

9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
		Total	17	2	11	26
SEMESTER II						
THEORY						
1.	HS6251	Technical English – II	3	1	0	4
2.	MA6251	Mathematics – II	3	1	0	4
3.	PH6251	Engineering Physics – II	3	0	0	3
4.	CY6251	Engineering Chemistry – II	3	0	0	3
5.	GE6252	Basic Electrical and Electronics Engineering	4	0	0	4
6.	GE6253	Engineering Mechanics	3	1	0	4
PRACTICALS						
7.	GE6261	Computer Aided Drafting and Modeling Laboratory	0	1	2	2
8.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
		Total	19	4	4	25
SEMESTER III						
THEORY						
1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
2.	CE6306	Strength of Materials	3	1	0	4
3.	CE6451	Fluid Mechanics and Machinery	3	0	0	3
4.	EC6302	Digital Electronics	3	0	0	3
5.	EE6358	Electrical Machines and Drives	3	0	0	3
6.	ME6401	Kinematics of Machinery	3	0	0	3
PRACTICALS						
7.	CE6461	Fluid Mechanics and Machinery Laboratory	0	0	3	2
8.	EE6362	Electrical Machines and Drives Laboratory	0	0	3	2
9.	MT6311	Computer Aided Machine Drawing	0	0	3	2

		Total	18	2	9	26
SEMESTER IV						
THEORY						
1.	MA6452	Statistics and Numerical Methods	3	1	0	4
2.	ME6505	Dynamics of Machines	3	0	0	3
3.	EC6405	Control System Engineering	3	0	0	3
4.	ME6352	Manufacturing Technology	3	0	0	3
5.	ME6504	Metrology and Measurements	3	0	0	3
6.	MT6401	Microprocessors and Applications	3	0	0	3
PRACTICALS						
7.	MT6411	Microprocessor Laboratory	0	0	3	2
8.	ME6465	Manufacturing Technology Laboratory	0	0	3	2
9.	ME6511	Dynamics Laboratory	0	0	3	2
		Total	18	1	9	25
SEMESTER V						
THEORY						
1.	ME6503	Design of Machine Elements	3	0	0	3
2.	EE6503	Power Electronics	3	0	0	3
3.	MT6501	Sensors and Signal Processing	3	0	0	3
4.	GE6351	Environmental Science and Engineering	3	0	0	3
5.	MF6505	CNC Machining Technology	3	0	0	3
6.	MT6502	Thermodynamics Principles and Applications	3	0	0	3
PRACTICALS						
7.	MT6511	Power Electronics Laboratory	0	0	3	2
8.	MT6512	Sensors and Signal Processing Laboratory	0	0	3	2
9.	MT6513	CNC Laboratory	0	0	3	2
		Total	18	0	9	24

SEMESTER VI						
THEORY						
1.	MG6851	Principles of Management	3	0	0	3
2.	MT6601	Micro Controller and PLC	3	0	0	3
3.	MT6602	Applied Hydraulics and Pneumatics	3	0	0	3
4.	MT6603	Design of Mechatronics System	3	0	0	3
5.	MT6604	Object Oriented Programming in C++	3	0	0	3
6.		Elective – I	3	0	0	3
PRACTICALS						
7.	MT6611	Micro Controller and PLC Laboratory	0	0	3	2
8.	MT6612	Object Oriented Programming Laboratory	0	0	3	2
9.	MT6613	Applied Hydraulics and Pneumatics Laboratory	0	0	3	2
		Total	18	0	9	24
SEMESTER VII						
THEORY						
1.	MT6701	Medical Mechatronics	3	0	0	3
2.	MT6702	Modeling and Simulation	3	0	0	3
3.	MT6703	Robotics and Machine Vision System	3	0	0	3
4.	ME6602	Automobile Engineering	3	0	0	3
5.		Elective – II	3	0	0	3
6.		Elective - III	3	0	0	3
PRACTICALS						
7.	MT6711	Computer Aided Design and Computer Aided Manufacturing Laboratory	0	0	3	2
8.	MT6712	Robotics Laboratory	0	0	3	2
9.	MT6713	Design and Fabrication Project	0	0	4	2
Total			18	0	10	24

SEMESTER VIII						
THEORY						
1.	MT6801	Automotive Electronics	3	0	0	3
2.		Elective - IV	3	0	0	3
3.		Elective – V	3	0	0	3
PRACTICALS						
4.	MT6811	Project Work	0	0	12	6
		Total	9	0	12	15
TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE : 189						
SEMESTER VI						
ELECTIVE – I						
1.	MT6001	Advanced Manufacturing Technology	3	0	0	3
2.	GE6757	Total Quality Management	3	0	0	3
3.	IT6502	Digital Signal Processing	3	1	0	4
4.	IE6011	Product Design and Development	3	0	0	3
SEMESTER VII						
ELECTIVES– II						
1.	MT6002	Diagnostic Techniques	3	0	0	3
2.	MG6072	Marketing Management	3	0	0	3
3.	MT6003	Engineering Economics and Cost Analysis	3	0	0	3
ELECTIVES – III						
1.	MT6004	Industrial Electronics and Applications	3	0	0	3
2.	ME6501	Computer Aided Design	3	0	0	3
3.	IT6005	Digital Image Processing	3	0	0	3
4.	EE6007	Micro Electro Mechanical Systems	3	0	0	3
SEMESTER-VIII						
ELECTIVES – IV						

1.	MF6009	Rapid Prototyping	3	0	0	3
2.	MT6005	Virtual Instrumentation	3	0	0	3
3.	ME6015	Operations Research	3	0	0	3
4.	MG6071	Entrepreneurship Development	3	0	0	3
ELECTIVES – V						
1.	GE6075	Professional Ethics in Engineering	3	0	0	3
2.	MG6088	Software Project Management	3	0	0	3
3.	CS6302	Database Management Systems	3	0	0	3
4.	CS6551	Computer Networks	3	0	0	3

M.E. AERONAUTICAL ENGINEERING

I TO IV SEMESTERS (FULL TIME) CURRICULUM

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7170	Advanced Mathematical Methods	3	1	0	4
2.	AO7101	Aerodynamics	3	1	0	4
3.	AO7102	Aircraft Structural Mechanics	3	1	0	4
4.	AO7103	Aerospace Propulsion	3	1	0	4
5.	AO7104	Theory of Vibrations	3	0	0	3
6.		Elective I	3	0	0	3
PRACTICALS						
7.	AO7111	Aerodynamics Laboratory	0	0	4	2
		Total	18	4	4	24

SEMESTER II

THEORY						
1.	AO7201	Flight Mechanics	3	1	0	4

2.	AO7202	Finite Element Methods	3	1	0	4
3.	AO7203	Computational Fluid Dynamics in Aerospace Engineering	3	1	0	4
4.	AO7204	Composite Materials and Structures	3	0	0	3
5.		Elective II	3	0	0	3
6.		Elective III	3	0	0	3
PRACTICALS						
7.	AO7211	Structures Laboratory	0	0	4	2
		Total	18	3	4	23
SEMESTER III						
THEORY						
1.		Elective IV	3	0	0	3
2.		Elective V	3	0	0	3
PRACTICALS						
3.	AO7311	Project Work (Phase I)	0	0	12	6
		Total	6	0	12	12
SEMESTER IV						
THEORY						
1.	AO7411	Project Work (Phase II)	0	0	24	12
		Total	0	0	24	12
TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE = 71						
SEMESTER I (ELECTIVE I)						
1.	AO7001	Boundary Layer Theory	3	0	0	3
2.	AO7002	Aircraft Design	3	0	0	3
3.	AO7003	Industrial Aerodynamics	3	0	0	3
4.	AO7004	Helicopter Aerodynamics	3	0	0	3
5.	AO7005	Structural Dynamics	3	0	0	3

6.	AO7006	Aero Elasticity	3	0	0	3
SEMESTER II (ELECTIVE II & III)						
1.	AO7007	Theory of Plates and Shells	3	0	0	3
2.	AO7008	High Temperature Problems in Structures	3	0	0	3
3.	AO7009	Fatigue and Fracture Mechanics	3	0	0	3
4.	AO7010	Theory of Elasticity	3	0	0	3
5.	AO7011	Hypersonic Aerodynamics	3	0	0	3
6.	AO7012	High Temperature Gas Dynamics	3	0	0	3
7.	AO7013	Wind Power Engineering	3	0	0	3
SEMESTER III (ELECTIVE IV & V)						
1.	AO7014	Experimental Stress Analysis	3	0	0	3
2.	AO7015	Computational Heat Transfer	3	0	0	3
3.	AO7016	Advanced Propulsion Systems	3	0	0	3
4.	AO7017	Experimental Aerodynamics	3	0	0	3
5.	AO7018	Rocketry and Space Mechanics	3	0	0	3
6.	AO7019	High Speed Jet Flows	3	0	0	3
7.	AO7020	Combustion in Jet and Rocket Engines	3	0	0	3
8.	AO7021	Propeller Aerodynamics	3	0	0	3
9.	AO7022	Aerospace Guidance and Control	3	0	0	3

M.E. COMMUNICATION SYSTEMS

I TO IV SEMESTERS CURRICULUM (FULL TIME)

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7158	Applied Mathematics for Communication Engineers	3	1	0	4

2.	CU7101	Advanced Radiation Systems	3	0	0	3
3.	CU7102	Advanced Digital Communication Techniques	3	0	0	3
4.	AP7101	Advanced Digital Signal Processing	3	1	0	4
5.	CU7103	Optical Networks	3	0	0	3
6.		Elective I	3	0	0	3
PRACTICALS						
7.	CU7111	Communication Systems Laboratory	0	0	3	2
		Total	18	2	3	22
SEMESTER II						
THEORY						
1.	CU7201	Wireless Communication Networks	3	0	0	3
2.	CU7202	MIC and RF System Design	3	0	0	3
3.	AP7301	Electromagnetic Interference and Compatibility	3	0	0	3
4.		Elective II	3	0	0	3
5.		Elective III	3	0	0	3
6.		Elective IV	3	0	0	3
PRACTICALS						
7.	CU7211	Innovative System Design Laboratory	0	0	3	2
		Total	18	0	3	20
SEMESTER III						
THEORY						
1.	CU7301	Advanced Satellite Based Systems	3	0	0	3
2.		Elective V	3	0	0	3
3.		Elective VI	3	0	0	3
PRACTICALS						
4.	CU7311	Project Work (Phase I)	0	0	12	6

		Total	9	0	12	15
SEMESTER IV						
THEORY						
1.	CU7411	Project Work (Phase II)	0	0	24	12
		Total	0	0	24	12
TOTAL NO OF CREDITS:69						
ELECTIVE I						
1.	AP7103	Advanced Microprocessor and Microcontroller	3	0	0	3
2.	VL7001	Analog and Mixed Mode VLSI Design	3	0	0	3
3.	CU7001	Real Time Embedded Systems	3	0	0	3
4.	CU7002	MEMS and NEMS	3	0	0	3
5.	AP7202	ASIC and FPGA Design	3	0	0	3
ELECTIVE II						
1.	NC7102	Communication Network Modeling and Simulation	3	0	0	3
2.	CU7003	Digital Communication Receivers	3	0	0	3
3.	CU7004	Detection and Estimation Theory	3	0	0	3
4.	VL7013	VLSI for Wireless Communication	3	0	0	3
5.	CU7005	Cognitive Radio	3	0	0	3
ELECTIVE III						
1.	DS7071	Speech And Audio Signal Processing	3	0	0	3
2.	DS7201	Advanced Digital Image Processing	3	0	0	3
3.	DS7202	Radar Signal Processing	3	0	0	3
4.	CP7008	Speech Processing and Synthesis	3	0	0	3
ELECTIVE IV						
1.	CU7006	Wavelet Transforms and Applications	3	0	0	3
2.	DS7101	DSP Processor Architecture and Programming	3	0	0	3

3.	NC7101	High Performance Networks	3	0	0	3
4.	CP7023	Reconfigurable Computing	3	0	0	3
ELECTIVE V						
1.	NC7001	Network Routing Algorithms	3	0	0	3
2.	NC7202	Wireless Adhoc and Sensor Networks	3	0	0	3
3.	CU7007	Internetworking Multimedia	3	0	0	3
4.	NC7002	Multimedia Compression Techniques	3	0	0	3
5.	CU7008	Ultra Wide Band Communication	3	0	0	3
ELECTIVE VI						
1.	IF7301	Soft Computing	3	0	0	3
2.	NC7003	Network Processor	3	0	0	3
3.	NE7007	Network Management	3	0	0	3
4.	NC7201	Communication Network Security	3	0	0	3
5.	CU7009	Neural Network and Applications	3	0	0	3

M.E. EMBEDDED SYSTEM TECHNOLOGIES

I TO IV SEMESTERS CURRICULUM (FULL TIME)

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7163	Applied Mathematics for Electrical Engineers	3	1	0	4
2.	ET7101	Advanced Digital System Design	3	0	0	3
3.	ET7102	Microcontroller Based System Design	3	0	0	3
4.	ET7103	Real Time Systems	3	0	0	3
5.	ET7104	Design of Embedded Systems	3	0	0	3
6.		Elective - I	3	0	0	3
PRACTICALS						

7.	ET7111	Embedded System Laboratory I	0	0	3	2
		Total	18	1	3	21
SEMESTER II						
THEORY						
1.	ET7201	VLSI Architecture and Design Methodologies	3	0	0	3
2.	ET7202	Embedded Networking	3	1	0	4
3.	ET7203	Wireless and Mobile Communication	3	0	0	3
4.	ET7204	Software for Embedded Systems	3	0	0	3
5.		Elective - II	3	0	0	3
6.		Elective - III	3	0	0	3
PRACTICALS						
7.	ET7211	Embedded System Laboratory II	0	0	3	2
		Total	18	1	3	21
SEMESTER III						
THEORY						
1.		Elective – IV	3	0	0	3
2.		Elective – V	3	0	0	3
3.		Elective – VI	3	0	0	3
PRACTICALS						
4.	ET7311	Project Work (Phase I)	0	0	12	6
		Total	9	0	12	15
SEMESTER IV						
THEORY						
1.	ET7411	Project Work (Phase II)	0	0	24	12
		Total	0	0	24	12
TOTAL NUMBER OF CREDITS = 69						
ELECTIVE I						

1.	ET7001	Digital Instrumentation	3	0	0	3
2.	ET7002	Real Time Operating Systems	3	0	0	3
3.	ET7016	Parallel Processing Architecture	3	0	0	3
ELECTIVE II & III						
4.	ET7003	Design of Embedded Control Systems	3	0	0	3
5.	ET7004	Programming with VHDL	3	0	0	3
6.	ET7005	Adhoc Networks	3	0	0	3
7.	ET7006	Advanced Digital Signal Processing	3	0	0	3
8.	CL7204	Soft Computing Techniques	3	0	0	3
9.	ET7007	RISC Processor Architecture and Programming	3	0	0	3
ELECTIVE IV. V & VI						
10.	ET7008	Advanced Embedded Systems	3	0	0	3
11.	ET7009	Pervasive Devices and Technology	3	0	0	3
12.	ET7010	Cryptography and Network Security	3	0	0	3
13.	ET7011	Smart Meter and Smart Grid Communication	3	0	0	3
14.	ET7012	Computer in Networking and Digital Control	3	0	0	3
15.	ET7013	Distributed Embedded Computing	3	0	0	3
16.	CL7004	Robotics and Control	3	0	0	3
17.	ET7014	Application of MEMS Technology	3	0	0	3
18.	ET7015	Digital Image Processing and Applications	3	0	0	3

MASTER OF BUSINESS ADMINISTRATION (MBA)

VISION

To mould true leaders through creative management techniques by enhancing student skills and adaptability to match with corporate culture and inculcating ethical values.

MISSION

- To provide practical training, improve analytical power, reasoning abilities and technical dexterity.

- To facilitate students to understand their responsibility for the development of the society with the individual improvement.
- To increase employability of the students by variety of skill excellence techniques.
- To adopt the industrial culture in campus by involving corporate delegates interaction most frequently.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO 1: To possess professional and communication skills with ethical attitude to function as members of multi-disciplinary teams in industries and to assume leadership role in addressing the managerial issues.

PEO 2: To access, analyze and plan, so as to apply acquired knowledge in basic, managerial sciences and mathematics in solving managerial problems with economic, environmental and social contexts to acquire professional expertise in industry and research.

PEO 3: To acquire necessary domain knowledge to pursue successful career in management, capability to set up their own enterprise and involve in research and development in order to fulfill the needs of the society.

R-2013						
I TO IV SEMESTERS						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	BA7101	Principles of Management	3	0	0	3
2.	BA7102	Statistics for Management	3	1	0	4
3.	BA7103	Economic Analysis for Business	4	0	0	4
4.	BA7104	Total Quality Management	3	0	0	3
5.	BA7105	Organizational Behaviour	3	0	0	3
6.	BA7106	Accounting for Management	3	1	0	4
7.	BA7107	Legal Aspects of Business	3	0	0	3

8.	BA7108	Written Communication	3	0	0	3
		Total	25	2	0	27
SEMESTER II						
THEORY						
1.	BA7201	Operations Management	3	0	0	3
2.	BA7202	Financial Management	3	0	0	3
3.	BA7203	Marketing Management	4	0	0	4
4.	BA7204	Human Resource Management	3	0	0	3
5.	BA7205	Information Management	3	0	0	3
6.	BA7206	Applied Operations Research	3	1	0	4
7.	BA7207	Business Research Methods	3	0	0	3
PRACTICALS						
8.	BA7211	Data Analysis and Business Modeling	0	0	4	2
		Total	22	1	4	25
SEMESTER III						
THEORY						
1.	BA7301	Enterprise Resource Planning	3	0	0	3
2.	BA7302	Strategic Management	3	0	0	3
3.	E1	Elective I	3	0	0	3
4.	E2	Elective II	3	0	0	3
5.	E3	Elective III	3	0	0	3
6.	E4	Elective IV	3	0	0	3
7.	E5	Elective V	3	0	0	3
8.	E6	Elective VI	3	0	0	3
PRACTICALS						

9.	BA7311	Professional Skill Development	0	0	4	2
10.	BA7312	Summer Training	0	0	2	1
		Total	24	0	6	27
SEMESTER IV						
THEORY						
1.	BA7401	International Business Management	3	0	0	3
2.	BA7402	Business Ethics, Corporate Social Responsibility and Governance	3	0	0	3
PRACTICALS						
3.	BA7411	Creativity and Innovation	0	0	4	2
4.	BA7412	Project Work	0	0	18	9
		Total	6	0	22	17
TOTAL NUMBER OF CREDITS =96						
LIST OF ELECTIVES						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
MARKETING – ELECTIVES						
1.	BA7011	Brand Management	3	0	0	3
2.	BA7012	Retail Management	3	0	0	3
3.	BA7013	Services Marketing	3	0	0	3
4.	BA7014	Integrated Marketing Communication	3	0	0	3
5.	BA7015	Customer Relationship Management	3	0	0	3
6.	BA7016	Rural Marketing	3	0	0	3
FINANCE – ELECTIVES						
1.	BA7021	Security Analysis and Portfolio Management	3	0	0	3
2.	BA7022	Merchant Banking and Financial Services	3	0	0	3
3.	BA7023	International Trade Finance	3	0	0	3

4.	BA7024	Corporate Finance	3	0	0	3
5.	BA7025	Micro Finance	3	0	0	3
6.	BA7026	Banking Financial Services Management	3	0	0	3
HUMAN RESOURCE – ELECTIVES						
1.	BA7031	Managerial Behavior and Effectiveness	3	0	0	3
2.	BA7032	Entrepreneurship Development	3	0	0	3
3.	BA7033	Organizational Theory, Design & Development	3	0	0	3
4.	BA7034	Industrial Relations & Labour Welfare	3	0	0	3
5.	BA7035	Labour Legislations	3	0	0	3
6.	BA7036	Strategic Human Resource Management	3	0	0	3
SYSTEMS - ELECTIVES						
1.	BA7041	Advanced Database Management Systems	3	0	0	3
2.	BA7042	e-Business Management	3	0	0	3
3.	BA7043	Software Project and Quality Management	3	0	0	3
4.	BA7044	Datamining for Business Intelligence	3	0	0	3
OPERATIONS – ELECTIVES						
1.	BA7051	Logistics and Supply Chain Management	3	0	0	3
2.	BA7052	Services Operations Management	3	0	0	3
3.	BA7053	Project Management	3	0	0	3
4.	BA7054	Lean Six Sigma	3	0	0	3

MASTER OF COMPUTER APPLICATION

VISION

To mould the graduates to become talented and disciplined computer professionals with a focus on research, innovation and computer applications catering to the needs of society at large.

MISSION

- To strive for building quality professionals who are committed and self motivated with Hi-Tech pedagogy.

- To inculcate professional behavior with strong ethical values and the thirst for research through innovative programs and continuous learning.
- To mould youngsters with inter personnel and entrepreneurial skills to be the leaders of the society.
- To upgrade Institute's visibility and enhance sustainable growth in association with industries and professional bodies.

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, analyze, design, code, test, implement and 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 and social constraints

PEO5: To prepare the students to pursue higher studies in computing or related disciplines and to ork in the fields of teaching and research.

R-2013						
I TO VI SEMESTERS						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	MA7151	Mathematical Foundation for Computer Applications	3	1	0	4
2.	MC7101	Computer Organization	3	0	0	3
3.	MC7102	Problem Solving and Programming	3	0	0	3
4.	MC7103	Database Management Systems	3	0	0	3
5.	MC7104	Data Structures and Algorithms	3	1	0	4
PRACTICALS						

6.	MC7111	DBMS Laboratory	0	0	3	2
7.	MC7112	Data Structures and Algorithms Laboratory	0	0	3	2
8.	MC7113	Communication Skill Laboratory	1	0	2	2
		Total	16	2	8	23
SEMESTER II						
THEORY						
1.	MC7201	Object Oriented Programming	3	0	0	3
2.	MC7202	Web Programming Essentials	3	0	0	3
3.	MC7203	System Software	3	0	0	3
4.	MC7204	Operating Systems	3	0	0	3
5.	MC7205	Computer Graphics and Multimedia	3	0	0	3
PRACTICALS						
6.	MC7211	Object Oriented Programming Laboratory	0	0	3	2
7.	MC7212	Web Programming Laboratory	0	0	3	2
8.	MC7213	Graphics and Multimedia Laboratory	0	0	3	2
		Total	15	0	9	21
SEMESTER III						
THEORY						
1.	MC7301	Computer Networks	3	0	0	3
2.	MC7302	Embedded Systems	3	0	0	3
3.	MC7303	Software Engineering	3	0	0	3
4.	MC7304	Professional Ethics	3	0	0	3
5.	MC7305	Internet Programming	3	0	0	3
PRACTICALS						
6.	MC7311	Embedded Systems Laboratory	0	0	3	2
7.	MC7312	Internet Programming Laboratory	0	0	3	2
8.	MC7313	Visual Programming Laboratory	1	0	3	2

		Total	16	0	9	21
SEMESTER IV						
THEORY						
1.	MC7401	Resource Management Techniques	3	0	0	3
2.	MC7402	Object Oriented Analysis and Design	3	0	0	3
3.	MC7403	Data Warehousing and Data Mining	3	0	0	3
4.	MC7404	Network Programming	3	0	0	3
5.		Elective I	3	0	0	3
PRACTICALS						
6.	MC7411	Software Development- Case Tools Laboratory	0	0	3	2
7.	MC7412	Network Programming Laboratory	0	0	3	2
8.	MC7413	Technical Seminar and Report Writing	0	0	3	2
		Total	15	0	9	21
SEMESTER V						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	MC7501	Web Application Development	3	0	0	3
2.	MC7502	Service Oriented Architecture	3	0	0	3
3.	MC7503	Mobile computing	3	0	0	3
4.		Elective II	3	0	0	3
5.		Elective III	3	0	0	3
PRACTICALS						
6.	MC7511	Advanced Internet Programming Laboratory	0	0	3	2
7.	MC7512	XML and Web Services Laboratory	0	0	3	2
8.	MC7513	Mini Project(Socially Relevant)	0	0	3	2
		Total	15	0	9	21

SEMESTER VI						
THEORY						
1.	MC7611	Project Work	0	0	24	12
		Total	0	0	24	12
TOTAL NO OF CREDITS: 119						
LIST OF ELECTIVES						
SL. No.	**COURSE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
ELECTIVE I						
1.	MC7001	Game Programming	3	0	0	3
2.	MC7002	Soft Computing	3	0	0	3
3.	MC7003	Accounting and Financial Management	3	0	0	3
4.	MC7004	Energy Aware Computing	3	0	0	3
5.	MC7005	Security in computing	3	0	0	3
6.	MA7071	Numerical and Statistical Methods	3	0	0	3
ELECTIVE II						
1.	MC7006	M-commerce	3	0	0	3
2.	MC7007	Health Care Management	3	0	0	3
3.	MC7008	Geological Information Systems	3	0	0	3
4.	MC7009	Human Resource Management	3	0	0	3
5.	MC7010	Enterprise Application Integration	3	0	0	3
6.	MC7011	Big Data Analytics	3	0	0	3
ELECTIVE III						
1.	MC7012	Ad hoc and Sensor networks	3	0	0	3
2.	MC7013	Semantic Web	3	0	0	3
3.	MC7014	Software Testing and Quality Assurance	3	0	0	3
4.	MC7015	Software Project Management	3	0	0	3
5.	MC7016	Cloud Computing	3	0	0	3
6.	MC7017	Network Protocols	3	0	0	3

ANNA UNIVERSITY, CHENNAI

REGULATIONS 2013 R – 2013 (For all II, III, IV Year Classes)

(Common to all B.E./ B.Tech. Degree (8 Semesters) Full – Time Programmes of Affiliated institutions)

1. ADMISSION

1.1 Candidates seeking admission to the first semester of the eight semesters B.E. / B.Tech. Degree Programme:

Should have passed the Higher Secondary Examinations of (10+2) Curriculum (Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto.

(OR)

Should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.

1.2 Lateral entry admission

(i) The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamilnadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. in the branch corresponding to the branch of study.

(OR)

(ii) The candidates who possess the Degree in Science (B.Sc.,) (10+2+3 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech.

Such candidates shall undergo two additional Engineering subject(s) in the third and fourth semesters as prescribed by the University.

2. STRUCTURE OF PROGRAMMES

2.1 Every Programme will have curricula with syllabi consisting of theory and practical courses such as:

(i) General core courses comprising Mathematics, Basic sciences, Engineering sciences, Humanities and Management.

(ii) Core courses of Engineering/Technology.

(iii) Elective courses for specialization in related fields.

(iv)Workshop Practice, Computer Practice, Engineering Graphics, Laboratory work, Industrial Training, Seminar presentation, Project work, Educational tours, Camps etc.

(v) NCC / NSS / NSO / YRC activities for character development.

There shall be a certain minimum number of core courses and sufficient number of elective courses that can be opted by the students. The blend of different courses shall be so designed that the student, at the end of the programme, would have been trained\ not only in his / her relevant professional field but also would have developed as a socially conscious human being.

2.2 Each course is normally assigned a certain number of credits with 1 credit per lecture period per week, 1 credit per tutorial period per week, 1 credit for 2 periods of laboratory or practical or seminar or project work per week (2 credits for 3 or 4 periods of practical).

2.3 Each semester curriculum shall normally have a blend of lecture courses not exceeding 7 and practical courses not exceeding 4. However, the total number of courses per semester shall not exceed 10.

2.4 For the award of the degree, a student has to earn certain minimum total number of credits specified in the curriculum of the relevant branch of study.

2.5 The medium of instruction is English for all courses, examinations, seminar presentations and project / thesis / dissertation reports except for the programmes offered in Tamil Medium.

3. DURATION OF THE PROGRAMME

3.1 A student is ordinarily expected to complete the B.E. / B.Tech. Programme in 8 semesters (four academic years) but in any case not more than 14 Semesters for HSC (or equivalent) candidates and not more than 12 semesters for Lateral Entry Candidates.

3.2 Each semester shall normally consist of 90 working days or 450 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

3.3 The Head of the Institution may conduct additional classes for improvement, special coaching, conduct of model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement for writing the end semester examinations (as per clause 6) by the students, following method shall be used.

Percentage of Total no. of periods attended in all the courses per semester Attendance = X 100 (No. of periods / week as prescribed in the curriculum) x 15 taken together for all courses of the semester. The University Examination will ordinarily follow immediately after the last working day of the semester commencing from I semester as per the academic schedule prescribed from time to time.

3.4 The total period for completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 18.4) in order that he/she may be eligible for the award of the degree (vide clause 15).

4. ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER

4.1 A Candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester. Ideally every student is expected to attend all classes and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as Medical / participation in sports, the student is expected to attend atleast 75% of the classes. Therefore, he/she shall secure not less than 75% (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3.

4.2 However, a candidate who secures overall attendance between 65% and 74% in the current semester due to medical reasons (prolonged hospitalization / accident / specific illness) / Participation in Sports events may be permitted to appear for the current semester examinations subject to the condition that the candidate shall submit the medical certificate / sports participation certificate attested by the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes.

4.3 Candidates who secure less than 65% overall attendance and candidates who do not satisfy the clause 6.1 and 6.2 shall not be permitted to write the University examination at the end of the semester and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.

5. SYSTEM OF EXAMINATION

5.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) University examination at the end of the semester.

5.2 Each course, both theory and practical (including project work & viva voce Examinations) shall be evaluated for a maximum of 100 marks. For all theory and practical courses including project work, the continuous internal assessment will carry 20 marks while the End - Semester University examination will carry 80 marks.

5.3 Industrial training and seminar shall carry 100 marks and shall be evaluated through internal assessment only.

5.4 The University examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

5.5 The University examination for project work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.

5.6 For the University examination in both theory and practical courses including project work the internal and external examiners shall be appointed by the Controller of Examinations.

6. PROCEDURE FOR AWARDING MARKS FOR INTERNALASSESSMENT

For all theory and practical courses (including project work) the continuous assessment shall be for a maximum of 20 marks. The above continuous assessment shall be awarded as per the procedure given below:

6.1(a) Theory Courses

Three tests each carrying 100 marks shall be conducted during the semester by the Department / College concerned. The total marks obtained in all tests put together out of 300, shall be proportionately reduced for 20 marks and rounded to the nearest integer (This also implies equal weight age to all the three tests).

(b) Practical Courses:

The maximum marks for Internal Assessment shall be 20 in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records maintained. There shall be at least one test. The criteria for arriving at the Internal Assessment marks of 20 is as follows: 75marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test. The total mark shall be reduced to 20 and rounded to the nearest integer.

(c) Theory Courses with Laboratory Component:

If there is a theory course with Laboratory component, there shall be three tests: the first two tests (each 100 marks) will be from theory portions and the third test (maximum mark 100) will be for laboratory component. The sum of marks of first two tests shall be reduced to 60 marks and the third test mark shall be reduced to 40 marks. The sum of these 100 marks may then be arrived at for 20 and rounded to the nearest integer.

6.2 (a) The seminar / Case study is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three member committee appointed by Head of the Institution will evaluate the seminar and at the end of the semester the marks can be consolidated and taken as the final mark. The evaluation shall be based on the seminar paper (40%), presentation (40%) and response to the questions asked during presentation (20%).

(b) The Industrial / Practical Training, Summer Project, Internship shall carry 100 marks and shall be evaluated through internal assessment only. At the end of Industrial / Practical training / internship / Summer Project, the candidate shall submit a certificate from the organization where he / she has undergone training and a brief report. The evaluation will be made based on this report and a Viva-Voce Examination, conducted internally by a three member Departmental Committee

constituted by the Head of the Institution. The certificates (issued by the organization) submitted by the students shall be attached to the mark list sent by the Head of the Institution to the Controller of Examinations.

7. PROJECT WORK:

Project work may be allotted to a single student or to a group of students not exceeding 4 per group. The Head of the Institutions shall constitute a review committee for project work for each branch of study. There shall be three reviews during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be reduced for 20 marks and rounded to the nearest integer.

8. REQUIREMENTS FOR APPEARING FOR UNIVERSITYEXAMINATIONS

A candidate shall normally be permitted to appear for the University Examinations of the current semester if he/she has satisfied the semester completion requirements (subject to Clause 6) and has registered for examination in all courses of the semester. Registration is mandatory for current semester examinations as well as arrear examinations, failing which the candidate will not be permitted to move to the higher semester. A candidate who has already appeared for any subject in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.

9. PASSING REQUIREMENTS

9.1 A candidate who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End semester University Examinations] with a minimum of 45% of the marks prescribed for the end-semester University Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and practical courses (including project work).

9.2 If a candidate fails to secure a pass in a particular course, it is mandatory that he/she shall register and reappear for the examination in that course during the subsequent semester when examination is conducted in that course; he/she should continue to register and reappear for the examinations in the failed subjects till he / she secures a pass.

9.3 The internal assessment marks obtained by the candidate in the first appearance shall be retained and considered valid for all subsequent attempts till the candidate secure a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (IA+ End Semester Examination) as per clause 13.1, then the candidate shall be declared to have passed the examination if he/she secure a minimum of 50% marks prescribed for the university end semester examinations alone.

10. AWARD OF LETTER GRADES

10.1.1 All assessments of a course will be done on absolute marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain number of points, will be awarded as per the range of total marks (out of 100) obtained by the candidate in each subject as detailed below:

Letter grade Grade Points Marks Range

S 10 91 – 100

A 9 81 – 90

B 8 71 – 80

C 7 61 – 70

D 6 57 – 60

E 5 50 – 56

U 0 < 50 (or = 50 but not satisfying clause 13.1)

W 0

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: “S”, “A”, “B”, “C”, “D”, “E”. SA. denotes shortage of attendance (as per clause 6.3) and hence prevention from writing the end semester examination. SA. will appear only in the result sheet. “U” denotes Reappearance (RA) is required for the examination in the course. “W” denotes withdrawal from the exam for the particular course. (The grades U and W will figure both in Marks Sheet as well as in Result Sheet) Grade sheet

After results are declared, Grade Sheets will be issued to each student which will contain the following details:

. The college in which the candidate has studied

. The list of courses enrolled during the semester and the grade scored.

. The Grade Point Average (GPA) for the semester and

. The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the number of credits for the courses acquired in the semester.

CGPA will be calculated in a similar manner, considering all the courses registered from first semester. “U”, and “W” grades will be excluded for calculating GPA and CGPA.

$$GPA = \sum_{i=1}^{n} C_i GP_i / \sum_{i=1}^{n} C_i$$

$$CGPA = \sum_{i=1}^{n} C_i GP_i / \sum_{i=1}^{n} C_i$$

where Ci is the number of Credits assigned to the course

GPi is the point corresponding to the grade obtained for each course.

n is number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA

11. ELIGIBILITYFOR THE AWARD OF THE DEGREE

11.1 A student shall be declared to be eligible for the award of the Degree if he/she has. Successfully gained the required number of total credits as specified in the Curriculum corresponding to his/her Programme within the stipulated time.

. No disciplinary action is pending against him/her.

. The award of the degree must be approved by the Syndicate.

. Successfully completed any additional courses prescribed by the Director, Academic

Courses, whenever any candidate is readmitted under Regulations other than R – 2013 (clause 18.2).

12. CLASSIFICATION OF THE DEGREE AWARDED

12.1 FIRSTCLASS WITH DISTINCTION

A candidate who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction. . Should have passed the End semester examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) in his/her First Appearance within four years (three years in the case of lateral entry). Withdrawal from examination (vide Clause 17) will not be considered as an appearance. One year authorized break of study (if availed of) is permitted in addition to four years (three years in the case of lateral entry) for award of First class with Distinction. Should have secured a CGPA of not less than 8.50.

12.2 FIRSTCLASS

A candidate who satisfies the following conditions shall be declared to have passed the examination in First class. Should have passed the End semester examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) within five years (four years in the case of lateral entry). One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (four years in the case of lateral entry) for award of First class. Should have secured a CGPA of not less than 6.50.

12.3 SECOND CLASS

All other candidates (not covered in clauses 16.1 and 16.2) who qualify for the award of the degree (vide Clause 15) shall be declared to have passed the examination in Second Class.

12.4 A candidate who is absent in semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification. (subject to clause 17 and 18)

12.5 Revaluation

A candidate can apply for revaluation / photocopy of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of Institutions. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Institutions. Revaluation is not permitted for practical courses and for project work. A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

12.6 Review

Candidates not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to Controller of Examination through the Head of the Institution. Candidates applying for photocopy-cum-Revaluation only are eligible to apply for Review.

13. PROVISION FOR WITHDRAWALFROM END-SEMESTER EXAMINATION

13.1 A candidate, may for valid reasons and on prior application, be granted permission to withdraw from appearing for the examination of any one course or consecutive examinations of more than one course in a semester examination.

13.2 Such withdrawal shall be permitted only once during the entire period of study of the degree programme.

13.3 Withdrawal application is valid only if it is made within 10 days prior to the commencement of the examination in that course or courses and recommended by the Head of the Institution and approved by the Controller of Examinations.

13.3.1 Notwithstanding the requirement of mandatory TEN days notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

13.4 Withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction.

13.5 Withdrawal from the End Semester Examination is NOT applicable to arrears subjects of previous semesters.

13.6 The candidate shall reappear for the withdrawn courses during the examination conducted in the subsequent semester.

13.7 Withdrawal shall not be permitted after the final semester examinations.

14. PROVISION FOR AUTHORISED BREAK OF STUDY

14.1 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to rejoin the programme in a subsequent

year, permission may be granted based on the merits of the case provided he / she applies to the Director, Student Affairs in advance, but not later than the last date for registering for the end semester examination of the semester in question, through the Head of the Institution stating the reasons therefore and the probable date of rejoining the programme.

14.2 The candidates permitted to rejoin the programme after break of study / prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of rejoining. The students rejoining in new Regulations shall apply to the Director, Academic Courses in the prescribed format through Head of the Institution for prescribed additional courses, if any, at the beginning of the readmitted semester itself, so as to compensate for the shortage of the credits.

14.3 The authorized break of study will not be counted towards the duration specified for passing all the courses for the purpose of classification (vide Clause 16.1).

14.4 The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study in order that he/she may be eligible for the award of the degree.

14.5 If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized „Break of Study. (Clause 18.1)

15. INDUSTRIALVISIT

Every student is required to undergo one Industrial visit for every theory course offered, starting from the third semester of the Programme. Every teacher shall take the students at least for one industrial visit in a semester.

16. PERSONALITYAND CHARACTER DEVELOPMENT

All students shall enroll, on admission, in any one of the personality and character development programmes (the NCC / NSS / NSO / YRC) and undergo training for about 80 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid. National Cadet Corps (NCC) will have about 20 parades. National Service Scheme (NSS) will have social service activities in and around the College / Institution. National Sports Organization (NSO) will have sports, Games, Drills and Physical exercises. Youth Red Cross (YRC) will have activities related to social services in and around college / institutions. While the training activities will normally be during weekends, the camp will normally be during vacation period. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily. The training and camp shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the second year.

17. DISCIPLINE

Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University / College. The Head of Institution shall constitute a disciplinary committee consisting of Head of Institution, Two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the University about the disciplinary action recommended for approval. In case of any serious disciplinary action which leads to suspension or dismissal, then a committee shall be constituted including one representative from Anna University, Chennai. In this regard, the member will be nominated by the University on getting information from the Head of the Institution. If a student indulges in malpractice in any of the University / internal examination he / she shall be liable for punitive action as prescribed by the University from time to time.

CODE OF CONDUCTS FOR STUDENTS

1. NIET works Six days a week except 2nd & 3rd Saturday. Generally Monday to Friday will have Regular Timetable. 1st, 4th & 5th Saturdays will have special Timetable.
2. The Timings are: Morning 09.00 Hours to Evening 16.30 Hours. The day consists of 8 periods – 5 of 50 minutes duration, 2 of 45 minutes and 1 of 55 minutes. A short tea break is between 10.40 A.M to 10.50 A.M and lunch break is between 01.15 P.M to 02.00 P.M
3. Attendance is recorded for all periods and hence all must attend all classes without fail, to avoid complications at latter date. Seasonal – internal – marks depend on the attendance in each class.
4. Attendance is Compulsory for all working days (including 1st, 4th & 5th working Saturdays). Minimum of 75% attendance is required for eligibility to write University Exam. But, higher % of attendance is required for getting internal marks for attendance.
5. All must be in the Lecture Class or in the lab at least 5 minutes before 9'O clock.
6. All must attend the full class from beginning to end. No one should come late to the class or leave the class early.
7. All must follow proper dress code. During Lab Hours tucked-in uniform with shoes. (Girls with overcoat).
8. Students must maintain silence in the class. Class representative must call the faculty or advisor if Faculty has not come to the class on time.
9. Proper discipline, decency, decorum and dignity must be maintained in the entire campus. (both inside and out side the classes / labs)
10. Students must be polite and courteous in talking to and dealing with faculty.
11. Maintain cleanliness everywhere – Classrooms, Labs, Canteen and the entire surrounding.
12. Unauthorized assembly of students in subject to disciplinary action.
13. Handle the equipments / machines and other tools carefully so that they are not damaged or deteriorated or made unusable (Cost of the damaged ones will be recovered). Protect the institute properties from getting damaged.
14. Do and submit the assignments in time to get maximum internal marks.
15. Prepare for and write the tests well without fail which will help in getting good marks in the final exam as well as good internal marks.
16. Make use of Saturday hours for clarifications and Career & Personality Development Programmes.
17. Pay all the fees and dues on or before the due date to avoid penalty.
18. Use of Cell Phones in the campus is prohibited.
19. Ragging & teasing the students are criminal offence. The Indulger may be terminated from the college.
20. Contact the Grievances Readdress Committee, Class Advisor or the Principal for any Difficulty or a problem.

DRESS CODE NORMS

Civil dress is permitted on all days and occasions.

Civil/Colour dress code:

Boys:

Strictly formal – Shirt – full/half sleeved

Pant – tucked in and proper belt

Formal black shoe or descent chappal

Girls:

Churidhar or salwar with sleeves and with shawl/Duppatta – properly pinned

Descent chappal

Hair neatly dresses – natural colour.

The following dresses and practices are totally disallowed

Boys: (Not Permitted)

T. Shirt

Jeans Pants

Shirts/pants/sneakers with emblems/pictures/slogans

Dothis, Bermudas, Kurta, Pyjamah

Chappals used for bathroom

Girls: (Not Permitted)

Other casual dresses/sarees and half sarees(except on special days and functions)

Yoga Pants, leggings, tights, kurtas, short tops, sports wear/training/exercise wears.

General Information

Working Days Monday to Saturday (Except 2nd and 3rd Saturday)

Timings 9.00 am to 4.30 pm

Tea Break 10.40 am to 10.50 am

Lunch Break 01.15 pm to 02.00 pm

Computer Center Training 9.00 am to 4.30 pm

Library Hours 8.30 am to 5.30 pm

LIBRARY RULES

1. All staff members and students are members of the library.
2. Use of library is normally restricted to its members only. Others have to produce written permission from the Principal to use the library facilities.
3. The library will be open from 8.30am to 5.30pm on all days except Sundays and Holidays.
4. Every student shall enter his/her name and class in the register kept at the entrance for the purpose.
5. Books, hand bags, umbrellas and other personal belongings must be left outside before entering the library. Only one note book is however is allowed to be taken inside if required for the purpose of taking notes.
6. For serious and useful study, calm and peaceful atmosphere is necessary. Students are therefore, required to observe strict silence and decorum in the library. Use of mobile phones inside the library is strictly prohibited.
7. The News papers, magazines and periodicals lying on the table shall not be removed from the reading room or from the place allotted for each.
8. Every student will be entitled to borrow a maximum of two books at a time from the library.
9. Before leaving the counter, the borrowers shall examine the books taken by them and point out any mutilation or defect in any book to the librarian and have these noted in the book and initialed by the librarian. Otherwise the borrowers will be held responsible for any damage or mutilation observed.
10. Members shall show the books borrowed from the library to the library staff while leaving at the gate.
11. Books issued to students must be returned within 14 days. The date of return of the book will be noted in the return slip pasted in the book. For retaining books beyond the due date of return, a member will have to pay an overdue charge of Rupees five per book per day.
12. The librarian has the right to call back any book issued to any member before the due date if it is wanted for some special reasons.
13. Writing in the books, soiling, causing damage to the binding, tearing of pages etc. are strictly forbidden.
14. If any book is lost, damaged or mutilated the borrower shall be required to replace the book (new one) with fine or have to pay such compensation as may be decided by the Principal.
15. The transfer or sub lending of books is strictly prohibited.
16. Journals and codes of practices cannot be taken outside the library.
17. While using internet, printout cannot be taken.
18. Students are to abide by any other rules / modification to existing rules issued from time to time.

BOYS HOSTEL RULES

- A student must remember that the hostel is the home of the students in the campus. He in should behave himself the campus as well as outside in such manner as to bring credit to him and to the Institute.
- No boarders shall be absent from the hostel without the prior permission of the Warden.
- No students should entertain unauthorized guests. The Chief Warden (Principal) reserves the right to deny entry into the Hostel to visitors if their visit is likely to disturb the peace and order of the hostel.
- Boarders are permitted to stay in the hostel during the academic session only, and are to vacate their rooms during the vacations unless there is special permission of the Chief Warden.
- Boarders are permitted to meet the visitors at the visitors' lounge of the hostel during the visiting hours only. Visiting hours of the hostels shall be 10.00am to 12.00 noon on holidays and 5.00pm to 6.00pm on working days.
- Day-scholars are not allowed in the hostel without permission of chief warden.
- A student once admitted in the hostel, will continue to be a hostel inmate throughout the year unless otherwise debarred from the hostel on disciplinary grounds and he will have to pay the room rent for both the terms.
- Every student should stay in the accommodation allotted to him by the Warden. Any change of accommodation without prior permission of the Warden is not permitted and the violation of this rule is considered as an act of indiscipline.
- Female visitors are not permitted to visit any time into the Boys Hostel without the permission of the Chief Warden.
- Students shall not remain absent from hostel during night between 9.00 pm to 6.00 am without the prior permission of the Warden/Chief Warden.
- Hostel students shall not leave the head-quarters without prior permission of the Warden/Chief Warden. They shall have to apply in prescribed form in advance stating the reason for leaving and the address of destination. Hostel students who leave hostel without the application and the permission from the concerned authorities shall be deemed to be missing and parent / Guardian / police authorities may be intimated, in consultation with the Chief Warden.
- The inmates of the hostel will not leave the hostel premises on holidays for the purpose of excursion or picnic. Prior permission of the Chief Warden has to be obtained for going for any picnic or excursion. However for any eventuality that may occur during picnic/excursion, the responsibility does not lie with the Institute authorities.
- Consumption or storage or supplying any liquor or any sort of intoxicated drink/drug material is strictly prohibited and if found guilty, the same will be dealt with severely (including expulsion from the hostel). Students found in intoxicated state shall be expelled from hostel immediately. Any kind of

gambling is also prohibited. phone / laptop etc. The Institute will not be responsible for any loss incurred due to his negligence or any other reason whatsoever.

- Student should check the fittings in his room at the time of occupation. If there is any deficiency or inadequacy, it should be brought to the notice of the hostel staff. He shall be responsible for the fittings and shall see to it that they are in order at the time of handing over charge of the room when he leaves the hostel.
- Room furniture, electric fittings, etc, are required to be maintained by the inmates in good condition. At the time of allotment of room and leaving the hostel for the vacations, every student must take-over and hand-over, respectively, the hostel property carefully. Students should invariably vacate the hostel during vacation. If they have to leave any belongings in the hostel during this period, he may do so at his own risk and for this purpose he should contact the hostel warden.
- In case of damage to any part of the hostel buildings, furniture, apparatus or other property of the institute, caused by inmates of the hostel, the loss shall be recovered from the persons identified as responsible for such damage. However, if the persons causing damage cannot be identified, the cost of repairing the same as may be assessed will be distributed equally amongst all the inmates of the hostel or group of inmates of the hostel found responsible for the damage.
- Fans and lights must be switched off whenever the students leave their rooms. Lights must be switched off positively when they go to bed. In case it is noticed that the fans/lights are on in the locked room, a heavy penalty will be imposed for wasting the precious energy.
- Usage of computer and printer in the hostel room will be allowed with prior permission from the Chief Warden.
- The Chief Warden/ Warden or any staff of the institute authorized by the Chief Warden can inspect the room of any student in the hostel at any time.
- Decisions taken by the Hostel Management in connection with admission, discipline and general management are final and binding on all the hostel inmates.
- Violation of any rules will make the student liable for disciplinary action including expulsion from the hostels.
- Hostel inmates will be completely responsible for all his belongings including mobile.

To be Noted

To be Noted

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ACADEMIC CALENDAR 2018-19

JUNE, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII sem
FRI	1			
SAT	2			
SUN	3	SUNDAY		
MON	4			
TUE	5	WORLD ENVIRONMENT DAY		
WED	6			
THUR	7			
FRI	8			
SAT	9	FOUNDER CHAIRMAN'S DEATH ANNIVERSARY		
SUN	10	SUNDAY		
MON	11			
TUE	12			
WED	13			
THUR	14			
FRI	15	RAMZAN		
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18			
TUE	19			
WED	20			
THUR	21	INTERNATIONAL YOGA DAY		
FRI	22			
SAT	23			
SUN	24	SUNDAY		
MON	25			
TUE	26			
WED	27			
THUR	28			
FRI	29			
SAT	30			

To be Noted

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JULY, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII Sem
SUN	1	SUNDAY		
MON	2	Reopening (B.E. – III, V, VII Sem) PARENTS MEETING		01
TUE	3			02
WED	4			03
THUR	5			04
FRI	6			05
SAT	7	SECOND SATURDAY		
SUN	8	SUNDAY		
MON	9			06
TUE	10			07
WED	11			08
THUR	12			09
FRI	13			10
SAT	14	THIRD SATURDAY		
SUN	15	SUNDAY		
MON	16			11
TUE	17			12
WED	18	REOPENING (BE I SEM)	01	13
THUR	19		02	14
FRI	20		03	15
SAT	21		04	16
SUN	22	SUNDAY		
MON	23		05	17
TUE	24		06	18
WED	25		07	19
THUR	26		08	20
FRI	27		09	21
SAT	28		10	22
SUN	29	SUNDAY		
MON	30		11	23
TUE	31		12	24

To be Noted

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AUGUST, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII Sem
WED	1		13	25
THUR	2		14	26
FRI	3		15	27
SAT	4		16	28
SUN	5	SUNDAY		
MON	6		17	29
TUE	7		18	30
WED	8		19	31
THUR	9		20	32
FRI	10		21	33
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13		22	34
TUE	14		23	35
WED	15	INDEPENDENCE DAY		
THUR	16		24	36
FRI	17		25	37
SAT	18		26	38
SUN	19	SUNDAY PHOTOGRAPHY DAY		
MON	20		27	39
TUE	21		28	40
WED	22	BAKRID		
THUR	23	ONAM		
FRI	24	ONAM		
SAT	25	ONAM		
SUN	26	ONAM - SUNDAY		
MON	27		29	41
TUE	28		30	42
WED	29		31	43
THUR	30		32	44
FRI	31		33	45

To be Noted

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SEPTEMBER, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
SAT	1		34	46
SUN	2	KRISHNA JAYANTHI - SUNDAY		
MON	3		35	47
TUE	4		36	48
WED	5	TEACHERS DAY	37	49
THUR	6		38	50
FRI	7		39	51
SAT	8		40	52
SUN	9	SUNDAY		
MON	10		41	53
TUE	11		42	54
WED	12		43	55
THUR	13	VINAYAGAR CHATHURTHI		
FRI	14	VINAYAGAR CHATHURTHI		
SAT	15	THIRD SATURDAY ENGINEERS DAY		
SUN	16	SUNDAY		
MON	17		44	56
TUE	18		45	57
WED	19		46	58
THUR	20		47	59
FRI	21	MUHARRAM		
SAT	22		48	60
SUN	23	SUNDAY		
MON	24	NATIONAL NSS DAY	49	61
TUE	25		50	62
WED	26		51	63
THUR	27		52	64
FRI	28		53	65
SAT	29		54	66
SUN	30	SUNDAY		

To be Noted

OCTOBER, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
MON	1		55	67
TUE	2	GANDHI JAYANTHI		
WED	3	WORLD NATURE DAY	56	68
THUR	4		57	69
FRI	5		58	70
SAT	6		59	71
SUN	7	SUNDAY		
MON	8		60	72
TUE	9		61	73
WED	10	AYURVEDA DAY	62	74
THUR	11		63	75
FRI	12		64	76
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY		
MON	15		65	77
TUE	16		66	78
WED	17	LAST WORKING DAY	67	79
THUR	18	AYUTHA POOJA		
FRI	19	VIJAYA DASAMI		
SAT	20	THIRD SATURDAY		
SUN	21	SUNDAY		
MON	22	COMMENCEMENT OF PRACTICAL EXAMINATIONS	68	
TUES	23		69	
WED	24		70	
THUR	25		71	
FRI	26		72	
SAT	27		73	
SUN	28	SUNDAY BEST FACULTY AWARD FOR POLYTECHNIC COLLEGES		
MON	29		74	
TUES	30		75	
WED	31		76	

To be Noted

NOVEMBER, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
THUR	1	COMMENCEMENT OF END SEMESTER EXAMINATIONS	77	
FRI	2		78	
SAT	3	DEEPAVALI		
SUN	4	DEEPAVALI - SUNDAY		
MON	5	DEEPAVALI		
TUE	6	DEEPAVALI		
WED	7	DEEPAVALI		
THUR	8		79	
FRI	9		80	
SAT	10		81	
SUN	11	SUNDAY		
MON	12		82	
TUE	13		83	
WED	14		84	
THUR	15		85	
FRI	16		86	
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY		
MON	19			
TUE	20			
WED	21	MILAD – UN- NABI		
THUR	22			
FRI	23			
SAT	24			
SUN	25	SUNDAY ALUMNI MEETING		
MON	26			
TUE	27			
WED	28			
THUR	29			
FRI	30			

To be Noted

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DECEMBER, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
				II, IV,VI,VIII sem
SAT	1			
SUN	2	SUNDAY		
MON	3			
TUE	4			
WED	5			
THUR	6			
FRI	7			
SAT	8	SECOND SATURDAY		
SUN	9	SUNDAY		
MON	10			
TUE	11			
WED	12			
THUR	13			
FRI	14	ENERGY CONSERVATION DAY		
SAT	15	THIRD SATURDAY		
SUN	16	SUNDAY		
MON	17	Reopening (B.E. - II, IV, VI, VIII sem)		01
TUE	18			02
WED	19			03
THUR	20			04
FRI	21	CAREER GUIDANCE PROGRAMME		05
SAT	22	NATIONAL MATHEMATICS DAY		06
SUN	23	SUNDAY		
MON	24			07
TUE	25	CHRISTMAS		
WED	26			08
THUR	27			09
FRI	28			10
SAT	29			11
SUN	30	SUNDAY		
MON	31			12

To be Noted

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JANUARY, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II ,IV,VI,VIII Sem
TUE	1	NEW YEAR		
WED	2			13
THUR	3			14
FRI	4			15
SAT	5			16
SUN	6	SUNDAY		
MON	7			17
TUE	8			18
WED	9			19
THUR	10			20
FRI	11			21
SAT	12	SECOND SATURDAY		
SUN	13	SUNDAY		
MON	14	PONGAL		
TUE	15	PONGAL		
WED	16	THIRUVALLUVAR DAY		
THUR	17	UZHAVAR TIRUNAL		
FRI	18			22
SAT	19	THIRD SATURDAY		
SUN	20	SUNDAY BEST TEACHERS AWARD TUITION TEACHER/HEAD MASTER/HEAD MISTRESS		
MON	21			23
TUE	22			24
WED	23			25
THUR	24			26
FRI	25			27
SAT	26	REPUBLIC DAY		
SUN	27	SUNDAY		
MON	28			28
TUE	29			29
WED	30			30
THUR	31			31

To be Noted

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FEBRUARY, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II, IV,VI,VIII sem
FRI	1			32
SAT	2			33
SUN	3	SUNDAY		
MON	4			34
TUE	5			35
WED	6			36
THUR	7			37
FRI	8			38
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11			39
TUE	12			40
WED	13			41
THUR	14			42
FRI	15			43
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18			44
TUE	19			45
WED	20			46
THUR	21			47
FRI	22			48
SAT	23			49
SUN	24	SUNDAY		
MON	25			50
TUE	26			51
WED	27			52
THUR	28	NATIONAL SCIENCE DAY		53

To be Noted

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MARCH, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
FRI	1			54
SAT	2			55
SUN	3	SUNDAY		
MON	4			56
TUE	5			57
WED	6			58
THUR	7			59
FRI	8	INTERNATIONAL WOMEN'S DAY		60
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11			61
TUE	12			62
WED	13			63
THUR	14			64
FRI	15			65
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18			66
TUE	19			67
WED	20			68
THUR	21	INTERNATIONAL DAY FOR ELIMINATION OF RACIAL DISCRIMINATION		69
FRI	22	SPORTS DAY WORLD WATER DAY		70
SAT	23			71
SUN	24	SUNDAY		
MON	25			72
TUE	26			73
WED	27	COLLEGE DAY		74
THUR	28			75
FRI	29			76
SAT	30			77
SUN	31	SUNDAY		

To be Noted

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APRIL, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
MON	1			78
TUE	2			79
WED	3			80
THUR	4			81
FRI	5			82
SAT	6			83
SUN	7	SUNDAY WORLD HEALTH DAY		
MON	8			84
TUE	9			85
WED	10			86
THUR	11			87
FRI	12			88
SAT	13	SECOND SATURDAY		
SUN	14	TAMIL NEW YEAR - SUNDAY		
MON	15			89
TUE	16			90
WED	17	MAHAVIR JAYANTHI		
THUR	18			91
FRI	19	GOOD FRIDAY		
SAT	20	THIRD SATURDAY		
SUN	21	EASTER - SUNDAY		
MON	22	EARTH DAY		94
TUE	23			95
WED	24			96
THUR	25			97
FRI	26			98
SAT	27	LAST WORKING DAY		99
SUN	28	SUNDAY		
MON	29			
TUE	30			

To be Noted

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MAY, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
WED	1	MAY DAY		
THUR	2			
FRI	3			
SAT	4			
SUN	5	SUNDAY		
MON	6			
TUE	7			
WED	8			
THUR	9			
FRI	10			
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13			
TUE	14			
WED	15			
THUR	16			
FRI	17			
SAT	18	THIRD SATURDAY		
SUN	19	SUNDAY		
MON	20			
TUE	21			
WED	22			
THUR	23			
FRI	24			
SAT	25			
SUN	26	SUNDAY		
MON	27			
TUE	28			
WED	29			
THUR	30			
FRI	31			

To be Noted

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TIMETABLE (2018-19 ODD)

Periods /Days	1	2	BREAK	3	4	5	LUNCH BREAK	6	7	8
Mon										
Tue										
Wed										
Thur										
Fri										
Sat										

TIMETABLE (2018-19 EVEN)

Periods /Days	1	2	BREAK	3	4	5	LUNCH BREAK	6	7	8
Mon										
Tue										
Wed										
Thur										
Fri										
Sat										

NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY
T. M. Palayam, Coimbatore-641 105
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC, Recognized by UGC with Section 2(f) and 12(B)

Academic Year

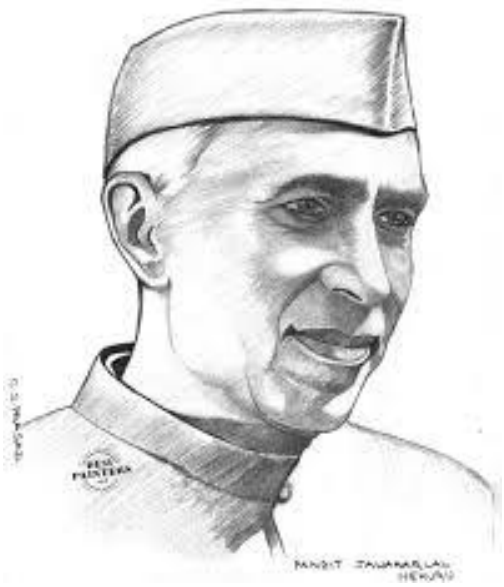
2017-2018

Nehru Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

"Nehru Gardens" T. M. Palayam (Post), Coimbatore - 641 105

Web: www.nehrucolleges.org



To be noble, we must be clear in thought, courtesy in manner, graceful in speech, and honest in deed.

- Jawaharlal Nehru

Calendar 2017 – 2018

A Tribute to a Great Leader

Biography of Founder Chairman
Shri. P. K. Das,
The Bhishmacharya of Education

Whenever we hear the name, Nehru College, immediately the name of our Chairman Shri. P. K. Das comes to our mind. Our Chairman's name is synonymous with Nehru Colleges, which stand as Hall Mark of Quality in the field of higher education. Through his hard toil, sweat, firm determination and strict self discipline, he established Nehru College of Aeronautics and Applied Sciences at Kuniamuthur, Coimbatore in 1968. Besides this College, he established Engineering Colleges, Arts & Science College, Pharmacy College, Aviation Institute, Super Specialty Hospital with Medical College, Management Colleges, Architecture College and Academy of Law in Tamil Nadu and Kerala.

He was hardly 29 years of age in 1968, when he started his career as an Academician at Coimbatore. The meteoric rise of this great personality in the field of technical and higher education was phenomenal and great.

A humble beginning was made. Despite innumerable difficulties and insurmountable obstacles he had to face with, he didn't budge an inch, but forged ahead with firm determination and iron will, to accomplish success after success. Year after year, he was reaping rich dividends and accolades. He was standing like a Colossus. The flag ship institution namely Nehru College of Aeronautics & Applied Sciences has emerged as a unique institution in this country. This College is the only one with so many specializations in Aeronautical Maintenance Engineering. In the field of Applied Sciences, several branches for B.Sc. degree courses in Aeronautical Engineering, Electronics, Computer Science and Avionics and MBA in Air Line and Airport Management were started there. The quality maintained here speaks volumes about the Founder Chairman Shri. P. K. Das.

He added golden feather to his cap, by starting a huge and prestigious Nehru College of Arts and Science in a new campus at Thirumalayampalayam. There are 2 Engineering Colleges and 3 Management Colleges at Thirumalayampalayam and Kaliapuram, in the outskirts of Coimbatore. At Pampady in Kerala, he started Nehru College of Engineering & Research Centre and later on Nehru College of Pharmacy. At Lakkidi in Palakkad District, he started Jawaharlal College of Engineering and Technology. In 2010, Jawaharlal Aviation Institute was started at Lakkidi. A Super Specialty hospital named as P. K. Das Institute of Medical Sciences has been established at Vaniamkulam. All these have been conceived and nurtured under his close supervision. The efficient functioning and quality maintained in these institutions are testimonies to his diligence, greatness and success.

The might and strength of our beloved Chairman are etched deeply and are eloquently evident from the functioning of these Institutions. He was a simple, humble, noble and straight forward person, with aristocratic behavioral traits. He was a tall, handsome and commanding personality not only physically, but also intellectually and behaviorally. Those who come in contact with him cannot forget his magnificent virtues and ever lasting affection. He has left a great void, which can never be filled. Though he has left us at an untimely moment, still his wishes, aspirations and blessings surround us and energize us.

We see our beloved Chairman through his sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar. Our Chairman was an industrialist par excellence. We shall remember him and his benevolence throughout lives. We offer one thousand salutes to this Bhishmacharya of Higher Education.

Shri. P. K. DAS

F.I.E., F.I.Mech.E., A.F.R.Ae.S. (Lond) M.Ae.S.I. M.S., C. Engg.

Founder Chairman

Nehru Group of Institutions

Tamilnadu & Kerala

“Make “NIET” to Respond to the needs of the Society “

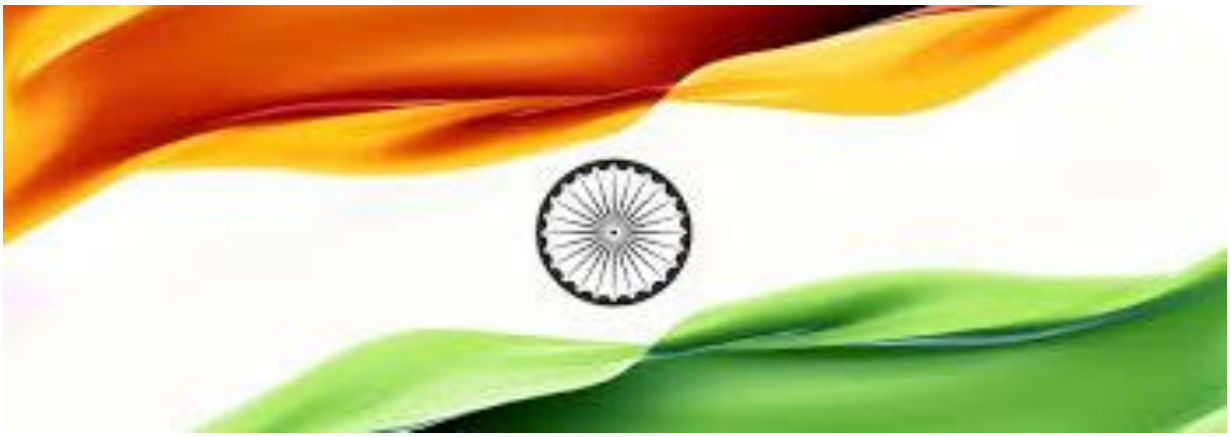
“Mould “NIET” for Protecting “Value System” for Education “

VISION

Our vision is to mould the youngsters to acquire sound knowledge in technical and scientific fields to face the future challenges by continuous upgradation of all resources and processes for the benefit of humanity as envisaged by our great leader Pandit Jawaharlal Nehru.

MISSION

- To build a strong centre of learning and research in engineering and technology.
- To facilitate the youth to learn and imbibe discipline, culture and spirituality.
- To produce quality engineers, dedicated scientists and leaders.
- To encourage entrepreneurship.
- To face the challenging needs of the global industries.



India is my country
and all Indians are my brothers and sisters.
I love my country
and I am proud of its rich and varied heritage.
I shall always strive to be worthy of it.
I shall give respect to my parents, teachers and all elders and treat everyone with courtesy.
To my country and my people,
I pledge my devotion.
In their well-being and prosperity alone lies my happiness.

PERSONAL MEMORANDA

1. Name : .....

2. Class & Roll No. : .....

3. Name of the Parent : ..... Guardian : .....

4. Permanent Address :

.....

.....

Pin :.....Tel. /Cell : .....

5. Present Address :

.....

.....Pin : .....

Mobile : ..... E-Mail :

.....

6. Date of Birth : .....

7. Driving License No. : .....

8. Insurance Policy No. : .....

9. Bank A/C No. : .....

10. Blood Group : .....

11. Day Scholar / Hosteller :

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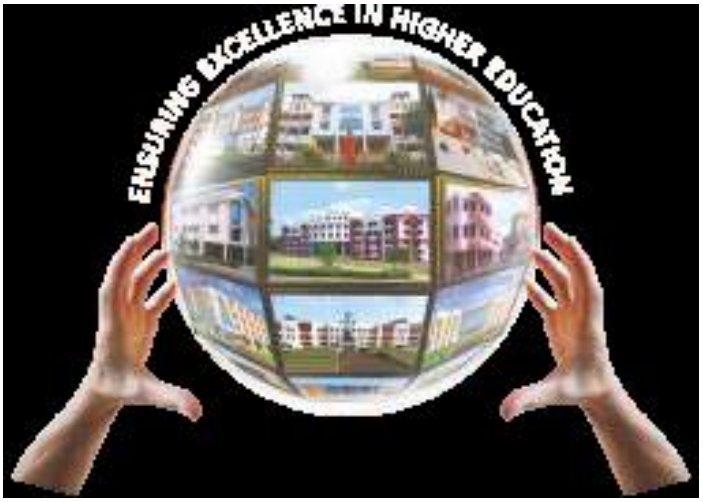
12. Emergency Contact No. : .....



About NEHRU GROUP OF INSTITUTIONS

The biggest conglomeration of Established Educational Institutions in Tamil Nadu and Kerala, befittingly christened after the name of Pandit Jawaharlal Nehru and pertinently known as ' Nehru Group of Institutions' was the fruition of long cherished dreams, ideals and ambitions of our Founder Chairman Shri. P. K. Das F.I.R., F.I.Mech.E., M.S. Engg., M.Ae.S.I., A.F.R.Ae.S (London), C. Engg., who was a great visionary with missionary zeal, a Chartered Engineer with reputation of the highest order, an Industrialist with extraordinary entrepreneurial spirit and a Philanthropist with benevolent and humanitarian approaches.

As an erudite and enlightened educationist, excellently endowed with extraordinary talents and tenacity, he has built up a galaxy of glorious institutions, running courses of interest to the students relevant to the present day requirements and required to imbibe specialized knowledge to the students to gain cutting-edge competencies.

Ever since its inception in 1968, it has grown from strength to strength and has blossomed into the biggest group, recognized by regulatory authorities like Universities and UGC, Accredited by AICTE and NAAC, PCI, DGCA, Certified by Internationally renowned ISO certifying agencies and resolved to render selfless, dedicated and devoted service to the cause of higher education in the relevant and rewarding fields of Engineering, Management, Commerce, Information Technology, Aeronautical Engineering, Industrial Training, Medical, Pharmacy, Architecture and Law.

The legacy left behind by our late chairman has been bequeathed by his two illustrious sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar by assuming offices of Chairman & Managing Trustee and CEO - Secretary respectively. They are totally committed and deeply involved in up keeping the traditions and upgrading the values of the institutions to the unimaginable heights of pride, prosperity and popularity. The running pages are pinning the hopes, faiths and confidence of all concern by unfolding the ultra modern infrastructure instituted carefully and liberally at every educational institution under their able management.

About NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Nehru Institute of Engineering and Technology, Approved by AICTE - New Delhi, Affiliated to Anna University – Chennai, Accredited by NAAC is established in the year 2006, under the able leadership of our Founder chairman, Shri. P. K. Das and the institute is marching ahead towards achieving the Vision and Mission of our Founder chairman under the guidance of Our Chairman & Managing Trustee Adv. Dr. P. Krishna Das, and our beloved CEO and Secretary Dr. P. Krishna Kumar.

NIET is well-equipped with excellent infrastructure, dedicated team of eminent faculty members and laboratories with modern facilities. NIET has become one of the pioneer institutions in engineering in the region.

The Institute's main agenda is to achieve excellence in the field of technical education in order to satisfy the customers and society with the best talented technocrats from this temple of learning.

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

JUNE 2017

Day	Date	Particulars	Working Days I sem	Working III,V,VII sem
THUR	1			
FRI	2			
SAT	3			
SUN	4	SUNDAY		
MON	5			
TUE	6			
WED	7			
THUR	8			
FRI	9	CHAIRMAN'S DEATH ANNIVERSARY		
SAT	10	SECOND SATURDAY		
SUN	11	SUNDAY		
MON	12			
TUE	13			
WED	14			
THUR	15			
FRI	16			
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY		
MON	19			
TUE	20			
WED	21	Reopening (B.E. –VII sem)		
THUR	22			
FRI	23			
SAT	24			
SUN	25	SUNDAY		
MON	26	RAMZAN		
TUE	27			
WED	28	Reopening (B.E. – III, V sem)		1
THUR	29			2
FRI	30			3

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

JULY 2017

Day	Date	Particulars	Working Days I sem	Working III,V,VII sem
SAT	1			
SUN	2	SUNDAY		4
MON	3	PARENTS MEETING		
TUE	4	-		5
WED	5	-		6
THUR	6	-		7
FRI	7	-		8
SAT	8	SECOND SATURDAY		9
SUN	9	SUNDAY		
MON	10			
TUE	11			10
WED	12			11
THUR	13			12
FRI	14			13
SAT	15	THIRD SATURDAY		14
SUN	16	SUNDAY		
MON	17			
TUE	18			15
WED	19			16
THUR	20			17
FRI	21			18
SAT	22			19
SUN	23	SUNDAY		20
MON	24			
TUE	25			21
WED	26			22
THUR	27	Spell I: Attendance -Entry period (B.E. – III, V, VII sem)		23
FRI	28			24
SAT	29			25
SUN	30	SUNDAY		26
MON	31			27

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

AUGUST 2017

Day	Date	Particulars	Working Days I sem	Working III,V,VII sem
TUE	1			28
WED	2	Reopening (BE I sem)	1	29
THUR	3		2	30
FRI	4		3	31
SAT	5		4	32
SUN	6	SUNDAY		
MON	7		5	33
TUE	8		6	34
WED	9		7	35
THUR	10		8	36
FRI	11		9	37
SAT	12	SECOND SATURDAY		
SUN	13	SUNDAY		
MON	14	KRISHNA JAYANTHI		
TUE	15	INDEPENDENCE DAY		
WED	16		10	38
THUR	17	Internal Test 1(BE- III,V,VII sem)	11	39
FRI	18	-	12	40
SAT	19	-	13	41
SUN	20	SUNDAY		
MON	21	-	14	42
TUE	22	-	15	43
WED	23	-	16	44
THUR	24	Spell II: Attendance & Int1 mark-Entry period (B.E. – III, V, VII sem)	17	45
FRI	25	VINAYAGA CHATURTHI		
SAT	26	VINAYAGA CHATURTHI		
SUN	27	SUNDAY		
MON	28		18	46
TUE	29		19	47
WED	30		20	48
THUR	31		21	49

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

SEPTEMBER 2017

Day	Date	Particulars	Working Days I sem	Working III,V,VII sem
FRI	1		22	50
SAT	2	BAKRID		
SUN	3	SUNDAY - ONAM		
MON	4	ONAM		
TUE	5	ONAM		
WED	6		23	51
THUR	7		24	52
FRI	8		25	53
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11		26	54
TUE	12		27	55
WED	13		28	56
THUR	14		29	57
FRI	15	Internal Test II (BE- III,V,VII sem)	30	58
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18	-	31	59
TUE	19	-	32	60
WED	20	-	33	61
THUR	21	Spell III: Attendance & Int2 mark-Entry period (B.E. – III, V, VII sem)	34	62
FRI	22	-	35	63
SAT	23	-	36	64
SUN	24	SUNDAY		
MON	25	Internal Test I (BE- I sem)	37	65
TUE	26		38	66
WED	27		39	67
THUR	28		40	68
FRI	29	AYUTHA POOJA		
SAT	30	VIJAYADASAMI		

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

OCTOBER 2017

Day	Date	Particulars	Working Days I sem	Working III,V,VII sem
SUN	1	SUNDAY- MUHARRAM		
MON	2	GANDHI JAYANTHI		
TUE	3		41	69
WED	4		42	70
THUR	5		43	71
FRI	6		44	72
SAT	7	SECOND SATURDAY		
SUN	8	SUNDAY		
MON	9		45	73
TUE	10		46	74
WED	11		47	75
THUR	12		48	76
FRI	13	Internal Test III (BE- III,V,VII sem)		
		Internal Test II(BE- I sem)	49	77
SAT	14	THIRD SATURDAY		
SUN	15	SUNDAY		
MON	16	DEEPAVALI		
TUE	17	DEEPAVALI		
WED	18	DEEPAVALI		
THUR	19	-	50	78
FRI	20	-	51	79
SAT	21	Last Working Day(BE - III, V, VII sem)		
		Spell IV: Attendance & Int3 mark-Entry period (B.E. – III, V, VII sem)	52	80
SUN	22	SUNDAY		
MON	23	Anna University Practical Exam (BE- III,V,VII sem)	53	
TUES	24		54	
WED	25		55	
THUR	26		56	
FRI	27		57	
SAT	28		58	
SUN	29	SUNDAY		
MON	30	Commencement of Anna University Theory Examinations(BE- III,V,VII sem)	59	
TUES	31		60	

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

NOVEMBER 2017

Day	Date	Particulars	Working Days I sem	Working III,V,VII sem
WED	1		61	
THUR	2		62	
FRI	3		63	
SAT	4		64	
SUN	5	SUNDAY		
MON	6		65	
TUE	7		66	
WED	8		67	
THUR	9		68	
FRI	10		69	
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13		70	
TUE	14		71	
WED	15		72	
THUR	16		73	
FRI	17		74	
SAT	18	THIRD SATURDAY		
SUN	19	SUNDAY		
MON	20	Internal Test III (BE- I sem)	75	
TUE	21	-	76	
WED	22	-	77	
THUR	23	-	78	
FRI	24	-	79	
SAT	25	-	80	
SUN	26	SUNDAY		
MON	27		81	
TUE	28		82	
WED	29		83	
THUR	30		84	

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

DECEMBER 2017

Day	Date	Particulars	Working Days I sem	Working IV, VI, VIII sem
FRI	1	MILADI UN NABI		
SAT	2			
SUN	3	SUNDAY		
MON	4			
TUE	5			
WED	6			
THUR	7			
FRI	8			
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11			
TUE	12			
WED	13			
THUR	14			
FRI	15			
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18	Reopening (B.E. - II, IV, VI, VIII sem)		1
TUE	19			2
WED	20			3
THUR	21			4
FRI	22			5
SAT	23			6
SUN	24	SUNDAY		
MON	25	CHRISTMAS		
TUE	26			7
WED	27			8
THUR	28			9
FRI	29			10
SAT	30			11
SUN	31	SUNDAY		

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

JANUARY 2018

Day	Date	Particulars	Working Days	Working II, IV, VI, VIII sem
MON	1	NEW YEAR		
TUE	2			12
WED	3			13
THUR	4			14
FRI	5			15
SAT	6			16
SUN	7	SUNDAY		
MON	8			17
TUE	9			18
WED	10			19
THUR	11			20
FRI	12			21
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY- PONGAL		
MON	15	PONGAL		
TUE	16	THIRUVALLUVAR DAY		
WED	17	UZHAVAR THIRUNAL		
THUR	18			22
FRI	19			23
SAT	20	THIRD SATURDAY		
SUN	21	SUNDAY		
MON	22			24
TUE	23			25
WED	24			26
THUR	25			27
FRI	26	REPUBLIC DAY		
SAT	27			28
SUN	28	SUNDAY		
MON	29	Internal Test 1(BE – II, IV,VI,VIII sem)		29
TUE	30	-		30
WED	31	-		31

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

FEBRUARY 2018

Day	Date	Particulars	Working Days I sem	Working II, IV, VI, VIII sem
THUR	1	-		32
FRI	2	-		33
SAT	3	-		34
SUN	4	SUNDAY		
MON	5			35
TUE	6			36
WED	7			37
THUR	8			38
FRI	9			39
SAT	10	SECOND SATURDAY		
SUN	11	SUNDAY		
MON	12			40
TUE	13			41
WED	14			42
THUR	15			43
FRI	16			44
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY		
MON	19			45
TUE	20			46
WED	21			47
THUR	22			48
FRI	23			49
SAT	24			50
SUN	25	SUNDAY		
MON	26			51
TUE	27			52
WED	28			53

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

MARCH 2018

Day	Date	Particulars	Working Days I sem	Working II, IV, VI, VIII sem
THUR	1			54
FRI	2			55
SAT	3			56
SUN	4	SUNDAY		
MON	5	Internal test II(BE- II, IV,VI,VIII sem)		57
TUE	6	-		58
WED	7	-		59
THUR	8	-		60
FRI	9	-		61
SAT	10	SECOND SATURDAY		
SUN	11	SUNDAY		
MON	12			62
TUE	13			63
WED	14			64
THUR	15			65
FRI	16			66
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY - UGADI		
MON	19			67
TUE	20			68
WED	21			69
THUR	22			70
FRI	23			71
SAT	24			72
SUN	25	SUNDAY		
MON	26			73
TUE	27			74
WED	28			75
THUR	29	MAHAVIR JAYANTHI		
FRI	30	GOOD FRIDAY		
SAT	31			76

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

APRIL 2018

Day	Date	Particulars	Working Days I sem	Working II, IV, VI, VIII sem
SUN	1	SUNDAY- EASTER		
MON	2			77
TUE	3			78
WED	4			79
THUR	5			80
FRI	6			81
SAT	7	SECOND SATURDAY		
SUN	8	SUNDAY		
MON	9			82
TUE	10			83
WED	11			84
THUR	12			85
FRI	13			86
SAT	14	THIRD SATURDAY- TAMIL NEW YEAR,		
SUN	15	SUNDAY- VISHU		
MON	16	Internal Test III(BE-II IV,VI,VIII)		87
TUE	17	-		88
WED	18	-		89
THUR	19	-		90
FRI	20	-		91
SAT	21	-		92
SUN	22	SUNDAY		
MON	23			93
TUE	24			94
WED	25			95
THUR	26			96
FRI	27			97
SAT	28	Last Working Day		98
SUN	29	SUNDAY		
MON	30			

ACADEMIC CALENDAR 2017 - 2018

ODD SEMESTER

MAY 2018

Day	Date	Particulars	Working Days I sem	Working II, IV, VI, VIII sem
TUE	1	MAY DAY		
WED	2	Commencement of Anna Univ. Examinations		
THUR	3			
FRI	4			
SAT	5			
SUN	6	SUNDAY		
MON	7			
TUE	8			
WED	9			
THUR	10			
FRI	11			
SAT	12	SECOND SATURDAY		
SUN	13	SUNDAY		
MON	14			
TUE	15			
WED	16			
THUR	17			
FRI	18			
SAT	19	THIRD SATURDAY		
SUN	20	SUNDAY		
MON	21			
TUE	22			
WED	23			
THUR	24			
FRI	25			
SAT	26			
SUN	27	SUNDAY		
MON	28			
TUE	29			
WED	30			
THUR	31			

NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY
T. M. Palayam, Coimbatore-641 105
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC, Recognized by UGC with Section 2(f) and 12(B)

Academic Year

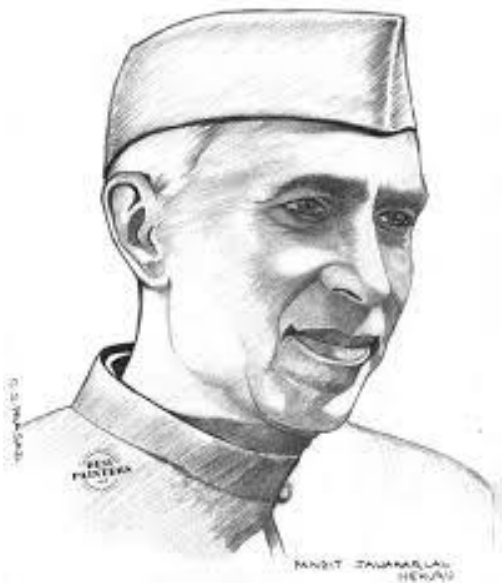
2016-2017

Nehru Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

"Nehru Gardens" T. M. Palayam (Post), Coimbatore - 641 105

Web: www.nehrucolleges.org



To be noble, we must be clear in thought, courtesy in manner, graceful in speech, and honest in deed.

- Jawaharlal Nehru

Calendar 2016 – 2017

A Tribute to a Great Leader

Biography of Founder Chairman

Shri. P. K. Das,

The Bhishmacharya of Education

Whenever we hear the name, Nehru College, immediately the name of our Chairman Shri. P. K. Das comes to our mind. Our Chairman's name is synonymous with Nehru Colleges, which stand as Hall Mark of Quality in the field of higher education. Through his hard toil, sweat, firm determination and strict self discipline, he established Nehru College of Aeronautics and Applied Sciences at Kuniamuthur, Coimbatore in 1968. Besides this College, he established Engineering Colleges, Arts & Science College, Pharmacy College, Aviation Institute, Super Specialty Hospital with Medical College, Management Colleges, Architecture College and Academy of Law in Tamil Nadu and Kerala.

He was hardly 29 years of age in 1968, when he started his career as an Academician at Coimbatore. The meteoric rise of this great personality in the field of technical and higher education was phenomenal and great.

A humble beginning was made. Despite innumerable difficulties and insurmountable obstacles he had to face with, he didn't budge an inch, but forged ahead with firm determination and iron will, to accomplish success after success. Year after year, he was reaping rich dividends and accolades. He was standing like a Colossus. The flag ship institution namely Nehru College of Aeronautics & Applied Sciences has emerged as a unique institution in this country. This College is the only one with so many specializations in Aeronautical Maintenance Engineering. In the field of Applied Sciences, several branches for B.Sc. degree courses in Aeronautical Engineering, Electronics, Computer Science and Avionics and MBA in Air Line and Airport Management were started there. The quality maintained here speaks volumes about the Founder Chairman Shri. P. K. Das.

He added golden feather to his cap, by starting a huge and prestigious Nehru College of Arts and Science in a new campus at Thirumalayampalayam. There are 2 Engineering Colleges and 3 Management Colleges at Thirumalayampalayam and Kaliapuram, in the outskirts of Coimbatore. At Pampady in Kerala, he started Nehru College of Engineering & Research Centre and later on Nehru College of Pharmacy. At Lakkidi in Palakkad District, he started Jawaharlal College of Engineering and Technology. In 2010, Jawaharlal Aviation Institute was started at Lakkidi. A Super Specialty hospital named as P. K. Das Institute of Medical Sciences has been established at Vaniamkulam. All these have been conceived and nurtured under his close supervision. The efficient functioning and quality maintained in these institutions are testimonies to his diligence, greatness and success.

The might and strength of our beloved Chairman are etched deeply and are eloquently evident from the functioning of these Institutions. He was a simple, humble, noble and straight forward person, with aristocratic behavioral traits. He was a tall, handsome and commanding personality not only physically, but also intellectually and behaviorally. Those who come in contact with him cannot forget his magnificent virtues and ever lasting affection. He has left a great void, which can never be filled. Though he has left us at an untimely moment, still his wishes, aspirations and blessings surround us and energize us.

We see our beloved Chairman through his sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar. Our Chairman was an industrialist par excellence. We shall remember him and his benevolence throughout lives. We offer one thousand salutes to this Bhishmacharya of Higher Education.

Shri. P. K. DAS

F.I.E., F.I.Mech.E., A.F.R.Ae.S. (Lond) M.Ae.S.I. M.S., C. Engg.

Founder Chairman

Nehru Group of Institutions

Tamilnadu & Kerala

“Make “NIET” to Respond to the needs of the Society “

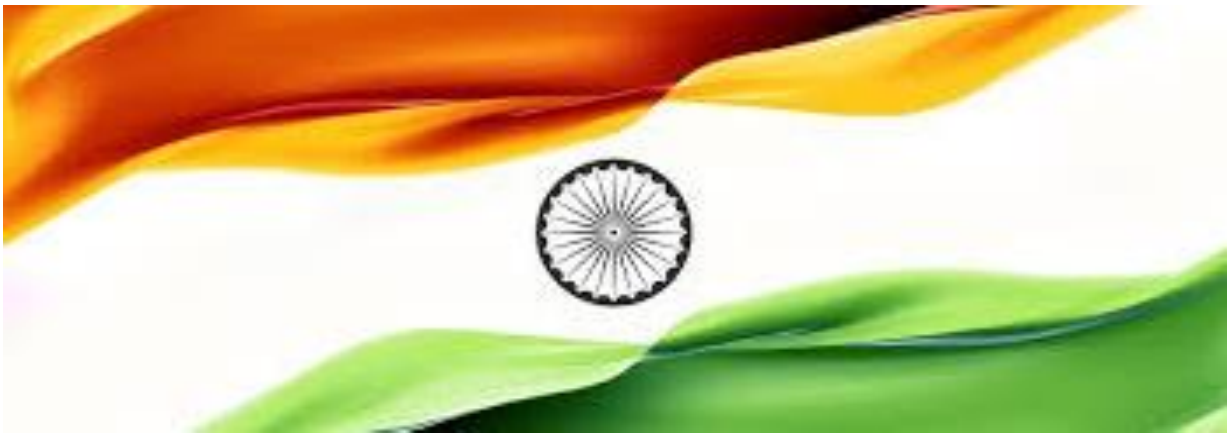
“Mould “NIET” for Protecting “Value System” for Education “

VISION

Our vision is to mould the youngsters to acquire sound knowledge in technical and scientific fields to face the future challenges by continuous upgradation of all resources and processes for the benefit of humanity as envisaged by our great leader Pandit Jawaharlal Nehru.

MISSION

- To build a strong centre of learning and research in engineering and technology.
- To facilitate the youth to learn and imbibe discipline, culture and spirituality.
- To produce quality engineers, dedicated scientists and leaders.
- To encourage entrepreneurship.
- To face the challenging needs of the global industries.



India is my country
and all Indians are my brothers and sisters.
I love my country
and I am proud of its rich and varied heritage.
I shall always strive to be worthy of it.
I shall give respect to my parents, teachers and all elders and treat everyone with courtesy.
To my country and my people,
I pledge my devotion.
In their well-being and prosperity alone lies my happiness.

PERSONAL MEMORANDA

1. Name : .....

2. Class & Roll No. : .....

3. Name of the Parent : ..... Guardian : .....

4. Permanent Address :

.....

.....

Pin :.....Tel. /Cell : .....

5. Present Address :

.....

.....Pin : .....

Mobile : ..... E-Mail :

.....

6. Date of Birth : .....

7. Driving License No. : .....

8. Insurance Policy No. : .....

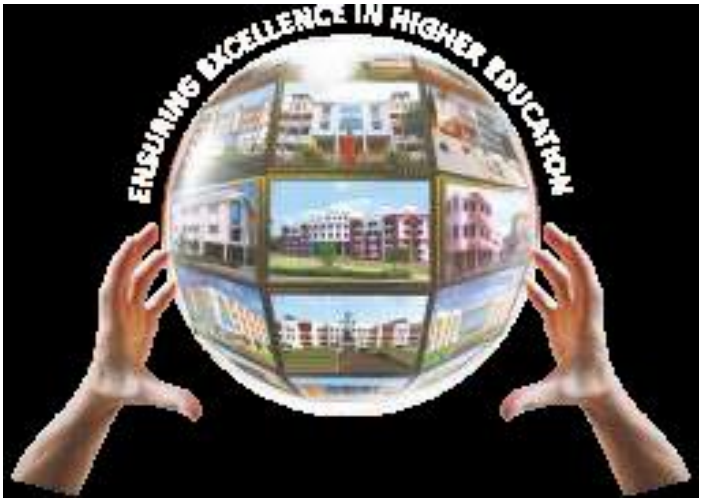
9. Bank A/C No. : .....

10. Blood Group : .....

11. Day Scholar / Hosteller :

.....

12. Emergency Contact No. : .....



About NEHRU GROUP OF INSTITUTIONS

The biggest conglomeration of Established Educational Institutions in Tamil Nadu and Kerala, befittingly christened after the name of Pandit Jawaharlal Nehru and pertinently known as ' Nehru Group of Institutions' was the fruition of long cherished dreams, ideals and ambitions of our Founder Chairman Shri. P. K. Das F.I.R., F.I.Mech.E., M.S. Engg., M.Ae.S.I., A.F.R.Ae.S (London), C. Engg., who was a great visionary with missionary zeal, a Chartered Engineer with reputation of the highest order, an Industrialist with extraordinary entrepreneurial spirit and a Philanthropist with benevolent and humanitarian approaches.

As an erudite and enlightened educationist, excellently endowed with extraordinary talents and tenacity, he has built up a galaxy of glorious institutions, running courses of interest to the students relevant to the present day requirements and required to imbibe specialized knowledge to the students to gain cutting-edge competencies.

Ever since its inception in 1968, it has grown from strength to strength and has blossomed into the biggest group, recognized by regulatory authorities like Universities and UGC, Accredited by AICTE and NAAC, PCI, DGCA, Certified by Internationally renowned ISO certifying agencies and resolved to render selfless, dedicated and devoted service to the cause of higher education in the relevant and rewarding fields of Engineering, Management, Commerce, Information Technology, Aeronautical Engineering, Industrial Training, Medical, Pharmacy, Architecture and Law.

The legacy left behind by our late chairman has been bequeathed by his two illustrious sons Adv. Dr. P. Krishna Das and Dr. P. Krishna Kumar by assuming offices of Chairman & Managing Trustee and CEO - Secretary respectively. They are totally committed and deeply involved in up keeping the traditions and upgrading the values of the institutions to the unimaginable heights of pride, prosperity and popularity. The running pages are pinning the hopes, faiths and confidence of all concern by unfolding the ultra modern infrastructure instituted carefully and liberally at every educational institution under their able management.

About NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Nehru Institute of Engineering and Technology, Approved by AICTE - New Delhi, Affiliated to Anna University – Chennai, Accredited by NAAC is established in the year 2006, under the able leadership of our Founder chairman, Shri. P. K. Das and the institute is marching ahead towards achieving the Vision and Mission of our Founder chairman under the guidance of Our Chairman & Managing Trustee Adv. Dr. P. Krishna Das, and our beloved CEO and Secretary Dr. P. Krishna Kumar.

NIET is well-equipped with excellent infrastructure, dedicated team of eminent faculty members and laboratories with modern facilities. NIET has become one of the pioneer institutions in engineering in the region.

The Institute's main agenda is to achieve excellence in the field of technical education in order to satisfy the customers and society with the best talented technocrats from this temple of learning.

ACADEMIC CALENDAR 2016-17

JUNE **ODD SEMESTER**

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII sem
WED	1			
THUR	2			
FRI	3			
SAT	4			
SUN	5	SUNDAY		
MON	6			
TUE	7			
WED	8			
THUR	9	CHAIRMAN'S DEATH ANNIVERSARY		
FRI	10			
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13			
TUE	14			
WED	15			
THUR	16			
FRI	17			
SAT	18	THIRD SATURDAY		
SUN	19	SUNDAY		
MON	20			
TUE	21			
WED	22			
THUR	23			
FRI	24	–		
SAT	25			
SUN	26	SUNDAY		
MON	27			
TUE	28			
WED	29			
THUR	30			

JULY

ODD SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII Sem
FRI	1			
SAT	2			
SUN	3	SUNDAY		
MON	4	Reopening (B.E. – III, V, VII sem)		1
TUE	5			2
WED	6	RAMZAN		
THUR	7	-		
FRI	8			3
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11	PARENTS MEETING		4
TUE	12	-		5
WED	13	-		6
THUR	14	-		7
FRI	15	-		8
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18	Reopening (M. C. A – III, V sem)		9
TUE	19			10
WED	20			11
THUR	21			12
FRI	22			13
SAT	23			14
SUN	24	SUNDAY		
MON	25	Reopening (M. B. A – III sem)		15
TUE	26			16
WED	27	–		17
THUR	28			18
FRI	29	Spell I: Attendance -Entry period (B.E. – III, V, VII sem)		19
SAT	30	-		20
SUN	31	SUNDAY		

AUGUST

ODD SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII Sem
MON	1	-		21
TUE	2	-		22
WED	3	-		23
THUR	4	-		24
FRI	5	-		25
SAT	6			26
SUN	7	SUNDAY		
MON	8			27
TUE	9			28
WED	10	Reopening (BE I sem)	1	29
THUR	11		2	30
FRI	12		3	31
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY		
MON	15	INDEPENDENCE DAY		
TUE	16	Internal Test I(BE- III,V,VII sem)	4	32
WED	17	-	5	33
THUR	18	-	6	34
FRI	19	-	7	35
SAT	20	THIRD SATURDAY		
SUN	21	SUNDAY		
MON	22	-	8	36
TUE	23		9	37
WED	24		10	38
THUR	25	KRISHNA JAYANTHI		
FRI	26	-	11	39
SAT	27		12	40
SUN	28	SUNDAY		
MON	29	Spell II: Attendance & Int1 mark-Entry period (B.E. – III, V, VII sem)	13	41
TUE	30	-	14	42
WED	31	-	15	43

SEPTEMBER **ODD SEMESTER**

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
THUR	1	-	16	44
FRI	2	-	17	45
SAT	3	-	18	46
SUN	4	SUNDAY		
MON	5	VINAYAGA CHATURTHI		
TUE	6	-	19	47
WED	7		20	48
THUR	8		21	49
FRI	9		22	50
SAT	10	SECOND SATURDAY	23	51
SUN	11	SUNDAY		
MON	12	BAKRID		
TUE	13	ONAM		
WED	14	ONAM		
THUR	15	ONAM		
FRI	16	ONAM		
SAT	17	THIRD SATURDAY, ONAM		
SUN	18	SUNDAY		
MON	19	Internal Test II (BE- III,V,VII sem) Internal Test I (BE- I sem)	24	52
TUE	20	-	25	53
WED	21	-	26	54
THUR	22	-	27	55
FRI	23	-	28	56
SAT	24		29	57
SUN	25	SUNDAY		
MON	26		30	58
TUE	27	Spell III: Attendance & Int2 mark-Entry period (B.E. – III, V, VII sem)	31	59
WED	28		32	60
THUR	29		33	61
FRI	30		34	62

OCTOBER

ODD SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
SAT	1		35	63
SUN	2	SUNDAY - GANDHI JAYANTHI		
MON	3		36	64
TUE	4		37	65
WED	5		38	66
THUR	6		39	67
FRI	7		40	68
SAT	8	SECOND SATURDAY		
SUN	9	SUNDAY		
MON	10	AYUTHA POOJA		
TUE	11	VIJAYADASAMI		
WED	12	MUHARRAM		
THUR	13		41	69
FRI	14		42	70
SAT	15	THIRD SATURDAY		
SUN	16	SUNDAY		
MON	17	Internal Test III (BE- III,V,VII sem) Internal Test II(BE- I sem)	43	71
TUE	18	-	44	72
WED	19	-	45	73
THUR	20	-	46	74
FRI	21	-	47	75
SAT	22		48	76
SUN	23	SUNDAY		
MON	24		49	77
TUES	25		50	78
WED	26	Last Working Day(BE - III, V, VII sem) Spell IV: Attendance & Int3 mark- Entry period (B.E. – III, V, VII sem)	51	79
THUR	27	-	52	
FRI	28	DEEPAVALI		
SAT	29	DEEPAVALI		
SUN	30	SUNDAY		
MON	31		53	

NOVEMBER

ODD SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
TUE	1		54	
WED	2	Commencement of Anna Univ. Examination (BE - III, V, VII sem)	55	
THUR	3		56	
FRI	4		57	
SAT	5		58	
SUN	6	SUNDAY	59	
MON	7		60	
TUE	8	Last Working Day (M. C. A – III, V sem)	61	
WED	9		62	
THUR	10		63	
FRI	11		64	
SAT	12	SECOND SATURDAY		
SUN	13	SUNDAY		
MON	14	Commencement of Anna Univ. Examination (M. C. A – III, V sem)	65	
TUE	15	Last Working Day (M. B. A – III sem)	66	
WED	16	Internal Test III (BE- I sem)	67	
THUR	17	-	68	
FRI	18	-	69	
SAT	19	THIRD SATURDAY		
SUN	20	SUNDAY		
MON	21	Commencement of Anna Univ. Examination (M. B. A – III sem)	70	
TUE	22	-	71	
WED	23	-	72	
THUR	24	-	73	
FRI	25		74	
SAT	26		75	
SUN	27	SUNDAY		
MON	28		76	
TUE	29		77	
WED	30		78	

DECEMBER

EVEN SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	IV,VI,VIII sem
THUR	1		79	
FRI	2		80	
SAT	3		81	
SUN	4	SUNDAY		
MON	5		82	
TUE	6		83	
WED	7			
THUR	8			
FRI	9			
SAT	10	SECOND SATURDAY		
SUN	11	SUNDAY		
MON	12			
TUE	13	MILADI UN NABI		
WED	14			
THUR	15			
FRI	16			
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY		
MON	19			
TUE	20			
WED	21			
THUR	22			
FRI	23			
SAT	24			
SUN	25	SUNDAY - CHRISTMAS		
MON	26	Reopening (B.E. - II, IV, VI, VIII sem)		1
TUE	27			2
WED	28			3
THUR	29			4
FRI	30			5
SAT	31			6

JANUARY

EVEN SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
				II ,IV,VI,VIII Sem
SUN	1	NEW YEAR		
MON	2			7
TUE	3			8
WED	4			9
THUR	5			10
FRI	6			11
SAT	7			12
SUN	8	SUNDAY		
MON	9			13
TUE	10			14
WED	11			15
THUR	12			16
FRI	13			17
SAT	14	SECOND SATURDAY - PONGAL		
SUN	15	SUNDAY		
MON	16	UZHAVAR THIRUNAL		
TUE	17			18
WED	18			19
THUR	19			20
FRI	20			21
SAT	21	THIRD SATURDAY		
SUN	22	SUNDAY		
MON	23			22
TUE	24			23
WED	25			24
THUR	26	REPUBLIC DAY		
FRI	27			25
SAT	28			26
SUN	29	SUNDAY		
MON	30			27
TUE	31			28

FEBRUARY

EVEN SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
				II, IV,VI,VIII sem
WED	1			29
THUR	2			30
FRI	3			31
SAT	4			32
SUN	5	SUNDAY		
MON	6	Internal Test 1(BE – II, IV,VI,VIII sem)		33
TUE	7	-		34
WED	8	-		35
THUR	9	-		36
FRI	10	-		37
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13			38
TUE	14			39
WED	15			40
THUR	16			41
FRI	17			42
SAT	18	THIRD SATURDAY		
SUN	19	SUNDAY		
MON	20			43
TUE	21			44
WED	22			45
THUR	23			46
FRI	24			47
SAT	25			48
SUN	26	SUNDAY		
MON	27			49
TUE	28			50

MARCH

EVEN SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
WED	1			51
THUR	2			52
FRI	3			53
SAT	4			54
SUN	5	SUNDAY		
MON	6			55
TUE	7			56
WED	8			57
THUR	9			58
FRI	10			59
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13	Internal test II(BE- II, IV,VI,VIII sem)		60
TUE	14	-		61
WED	15	-		62
THUR	16	-		63
FRI	17	-		64
SAT	18	THIRD SATURDAY		
SUN	19	SUNDAY		
MON	20			65
TUE	21			66
WED	22			67
THUR	23			68
FRI	24			69
SAT	25			70
SUN	26	SUNDAY		
MON	27			71
TUE	28	UGADI		72
WED	29			73
THUR	30			74
FRI	31			75

APRIL

EVEN SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
SAT	1			76
SUN	2	SUNDAY		
MON	3			77
TUE	4			78
WED	5			79
THUR	6			80
FRI	7			81
SAT	8	SECOND SATURDAY		
SUN	9	SUNDAY, MAHAVIR JAYANTHI		
MON	10			82
TUE	11			83
WED	12			84
THUR	13			85
FRI	14	TAMIL NEW YEAR, GOOD FRIDAY VISHU		
SAT	15	THIRD SATURDAY		
SUN	16	SUNDAY		
MON	17	Internal Test III(BE-II IV,VI,VIII)		86
TUE	18	-		87
WED	19	-		88
THUR	20	-		89
FRI	21	-		90
SAT	22	-		91
SUN	23	SUNDAY		
MON	24			92
TUE	25			93
WED	26			94
THUR	27			95
FRI	28			96
SAT	29	Last Working Day		97
SUN	30	SUNDAY		

MAY

EVEN SEMESTER

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
MON	1	MAY DAY		
TUE	2	Commencement of Anna Univ. Examinations		98
WED	3			99
THUR	4			100.
FRI	5			101
SAT	6			102
SUN	7	SUNDAY		
MON	8			103
TUE	9			104
WED	10			105
THUR	11			
FRI	12			
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY		
MON	15			
TUE	16			
WED	17			
THUR	18			
FRI	19			
SAT	20	THIRD SATURDAY		
SUN	21	SUNDAY		
MON	22			
TUE	23			
WED	24			
THUR	25			
FRI	26			
SAT	27			
SUN	28	SUNDAY		
MON	29			
TUE	30			
WED	31			

Prepared By

Principal