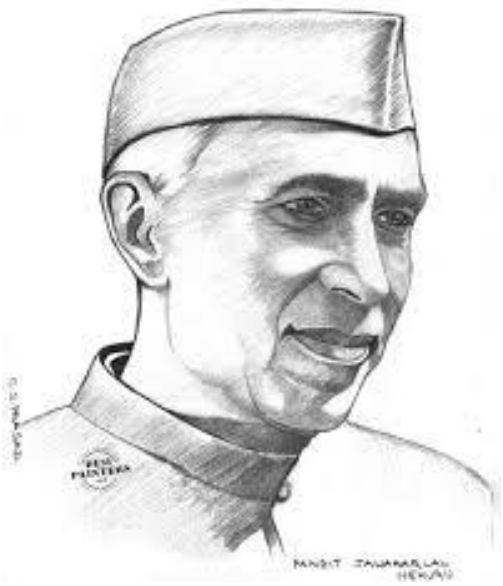
Nehru Institute of Engineering & Technology

"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”

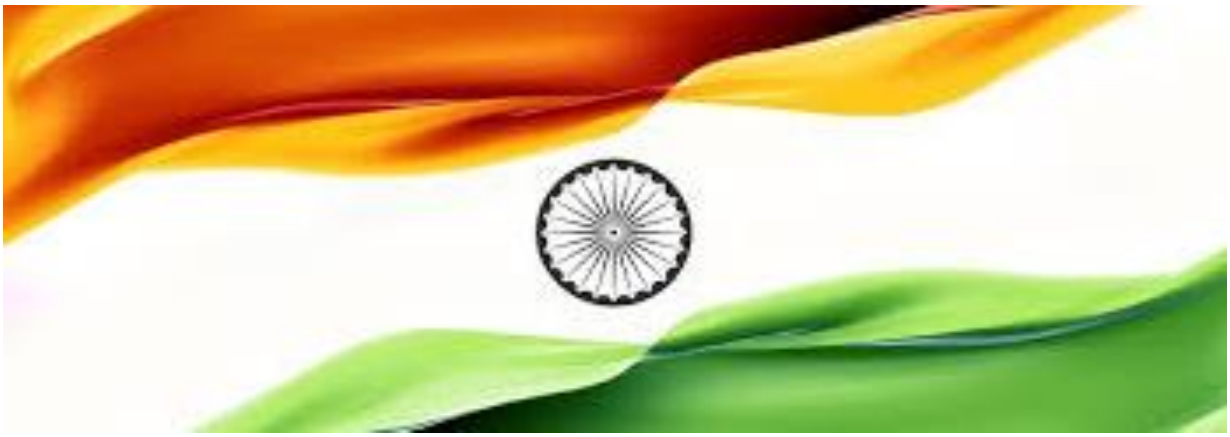
“Mould NIET for Protecting Value System for Education”

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:.....

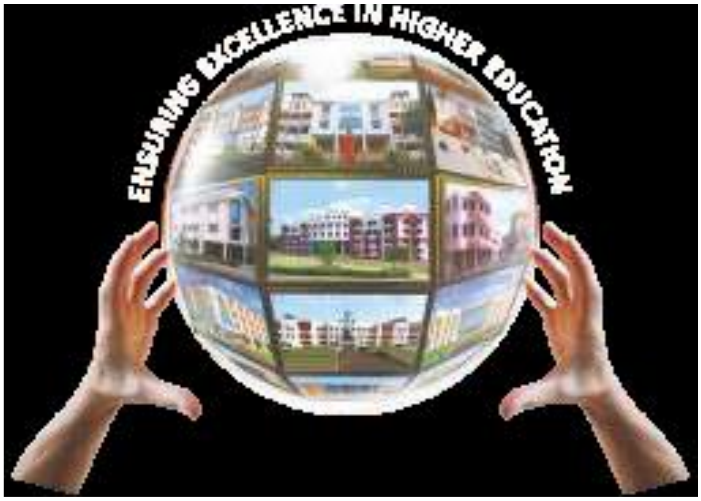
7.Date of Birth:.....

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

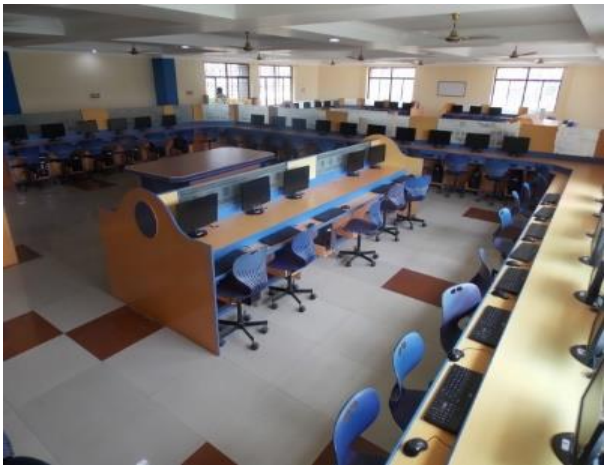
Master of Business Administration

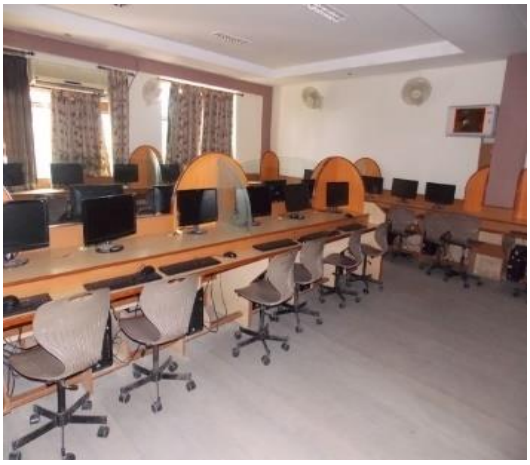
Dual Specialization offered:

- 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		

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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										