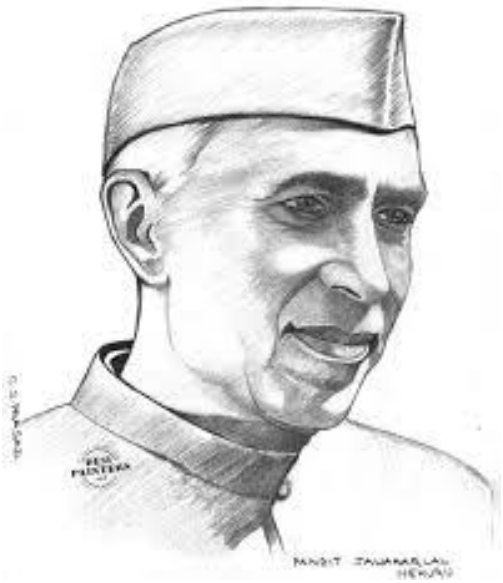
Nehru Institute of Engineering & Technology

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

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

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

Web: www.nehrucolleges.org



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

- Jawaharlal Nehru

Calendar 2018 - 2019

A Tribute to a Great Leader

Biography of Founder Chairman

Shri. P. K. Das,

The Bhishmacharya of Education

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

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

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

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

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

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

Shri. P. K. DAS

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

Founder Chairman

Nehru Group of Institutions

Tamilnadu & Kerala

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

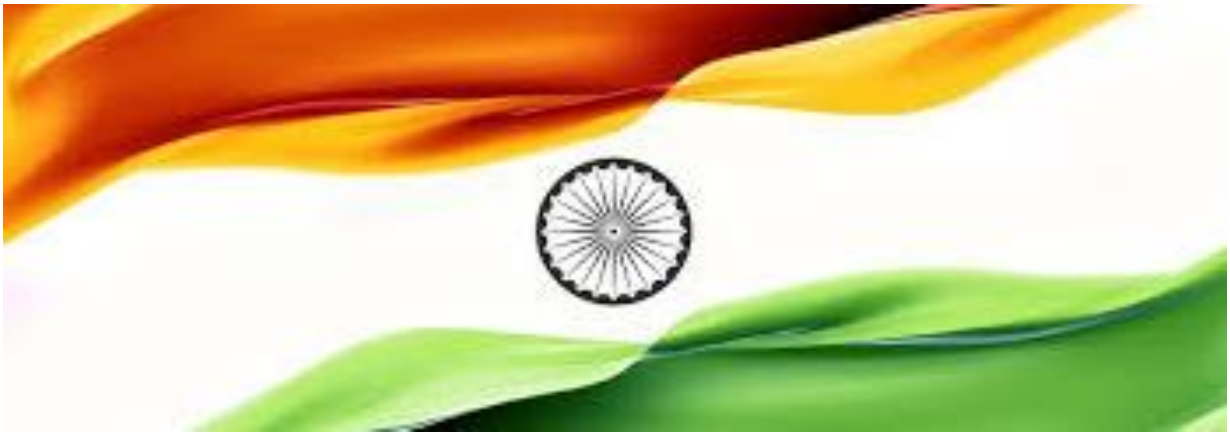
“Mould “NIET” for Protecting “Value System” for Education “

VISION

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

MISSION

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



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

PERSONAL MEMORANDA

1. Name : .....

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

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

4. Permanent Address : .....

.....

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

5. Present Address : .....

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

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

6. Date of Birth : .....

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

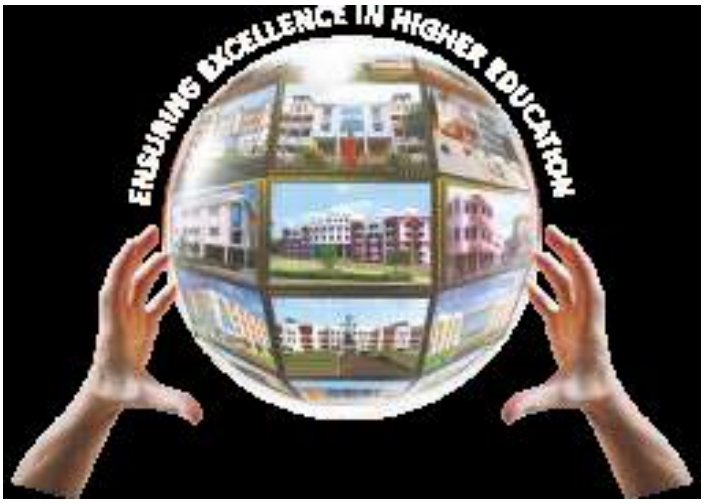
8. Insurance Policy No. : .....

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

10. Blood Group : .....

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

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



About NEHRU GROUP OF INSTITUTIONS

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

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

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

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

About NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

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

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

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

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

Courses Offered

B.E.

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

M.E.

- Aeronautical Engineering
- Communication Systems
- Embedded System Technologies

MBA (Master of Business Administration)

Dual Specialization offered: -

- Finance
- Human Resource
- Marketing
- Systems
- Production

MCA (Master of Computer Application)

Dual Specialization offered: -

- Networking
- IBM Mainframe
- Software Testing

Eligibility

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

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

MCA: Any Degree with Maths & Govt. Entrance

GOVERNING COUNCIL

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

Prevention of Sexual Harassment Cell

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

Hostel Management Committee

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

Grievance & Redressal Cell (Staff /Students)

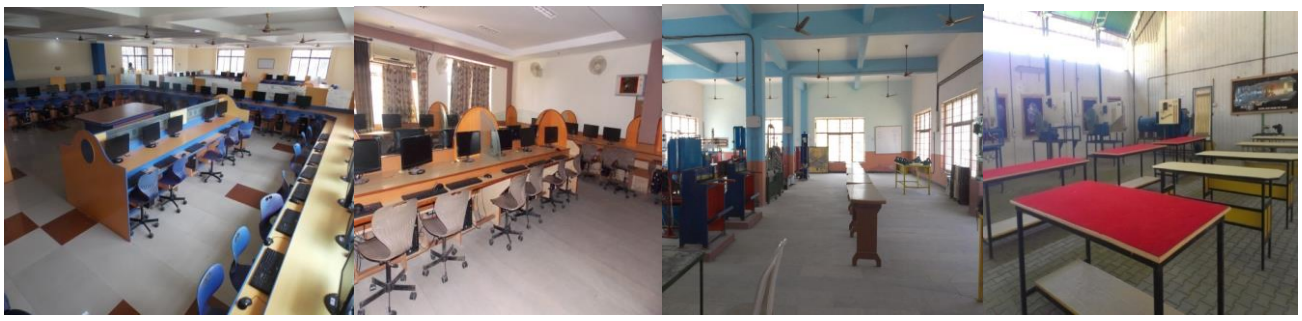
Chairman: Dr. B. Selvaraj, Dean S & H
Vice Chairman:Dr. P. T. Vijayarajakumar Director-MBA
Members: Ms. M. Amutha (AP-CSE)
Ms. S.M. Deepa (AP-ECE)
Dr. V. Mathivanan (AP-S&H)

Disciplinary Committee

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

LABORATORIES

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



SUBJECTS OF STUDY

B. E. / B. Tech. DEGREE

ANNA UNIVERSITY

Program Outcomes for all UG Programmes

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

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

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

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

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

B.E. AERONAUTICAL ENGINEERING

VISION

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

MISSION

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

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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

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

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

PROGRAMME SPECIFIC OUTCOMES (PSO)

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

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

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

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

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

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

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

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

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

B.E. COMPUTER SCIENCE AND ENGINEERING

VISION

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

MISSION

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

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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

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

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

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

PROGRAMME SPECIFIC OUTCOMES (PSO)

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

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

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

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

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

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

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

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

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

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING

VISION

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

MISSION

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

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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

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

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

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

PROGRAMME SPECIFIC OUTCOMES (PSO)

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

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

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

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

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

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

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

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

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

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

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

29.	MG6088	Software Project Management	3	0	0	3

B. E. ELECTRICAL AND ELECTRONICS ENGINEERING

VISION

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

MISSION

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

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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

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

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

PROGRAMME SPECIFIC OUTCOMES (PSO)

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

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

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

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

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

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

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

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

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

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

B.E. MECHANICAL ENGINEERING

VISION

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

MISSION

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

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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

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

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

PROGRAMME SPECIFIC OUTCOMES (PSO)

Upon graduation the student should be able to

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

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

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

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

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

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

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

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

ELECTIVES – IV						
1.	IE6605	Production Planning and Control	3	0	0	3
2.	MG6071	Entrepreneurship Development	3	0	0	3
3.	ME6013	Design of Pressure Vessels and Piping	3	0	0	3
4.	ME6014	Computational Fluid Dynamics	3	0	0	3
5.	ME6015	Operations Research	3	0	0	3
ELECTIVES – V						
1.	ME6016	Advanced I.C. Engines	3	0	0	3
2.	ME6017	Design of Heat Exchangers	3	0	0	3
3.	ME6018	Additive Manufacturing	3	0	0	3
4.	ME6019	Non Destructive Testing and Materials	3	0	0	3
5.	ME6020	Vibration and Noise Control	3	0	0	3

B.E. MECHATRONICS ENGINEERING

VISION

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

MISSION

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

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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

PEO2: Professional practice driven by value based education committed to ethical principles,

environmental concerns and social issues with continuous learning.

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

PROGRAMME SPECIFIC OUTCOMES (PSO)

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

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

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

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

9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
		Total	17	2	11	26
SEMESTER II						
THEORY						
1.	HS6251	Technical English – II	3	1	0	4
2.	MA6251	Mathematics – II	3	1	0	4
3.	PH6251	Engineering Physics – II	3	0	0	3
4.	CY6251	Engineering Chemistry – II	3	0	0	3
5.	GE6252	Basic Electrical and Electronics Engineering	4	0	0	4
6.	GE6253	Engineering Mechanics	3	1	0	4
PRACTICALS						
7.	GE6261	Computer Aided Drafting and Modeling Laboratory	0	1	2	2
8.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
		Total	19	4	4	25
SEMESTER III						
THEORY						
1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
2.	CE6306	Strength of Materials	3	1	0	4
3.	CE6451	Fluid Mechanics and Machinery	3	0	0	3
4.	EC6302	Digital Electronics	3	0	0	3
5.	EE6358	Electrical Machines and Drives	3	0	0	3
6.	ME6401	Kinematics of Machinery	3	0	0	3
PRACTICALS						
7.	CE6461	Fluid Mechanics and Machinery Laboratory	0	0	3	2
8.	EE6362	Electrical Machines and Drives Laboratory	0	0	3	2
9.	MT6311	Computer Aided Machine Drawing	0	0	3	2

		Total	18	2	9	26
SEMESTER IV						
THEORY						
1.	MA6452	Statistics and Numerical Methods	3	1	0	4
2.	ME6505	Dynamics of Machines	3	0	0	3
3.	EC6405	Control System Engineering	3	0	0	3
4.	ME6352	Manufacturing Technology	3	0	0	3
5.	ME6504	Metrology and Measurements	3	0	0	3
6.	MT6401	Microprocessors and Applications	3	0	0	3
PRACTICALS						
7.	MT6411	Microprocessor Laboratory	0	0	3	2
8.	ME6465	Manufacturing Technology Laboratory	0	0	3	2
9.	ME6511	Dynamics Laboratory	0	0	3	2
		Total	18	1	9	25
SEMESTER V						
THEORY						
1.	ME6503	Design of Machine Elements	3	0	0	3
2.	EE6503	Power Electronics	3	0	0	3
3.	MT6501	Sensors and Signal Processing	3	0	0	3
4.	GE6351	Environmental Science and Engineering	3	0	0	3
5.	MF6505	CNC Machining Technology	3	0	0	3
6.	MT6502	Thermodynamics Principles and Applications	3	0	0	3
PRACTICALS						
7.	MT6511	Power Electronics Laboratory	0	0	3	2
8.	MT6512	Sensors and Signal Processing Laboratory	0	0	3	2
9.	MT6513	CNC Laboratory	0	0	3	2
		Total	18	0	9	24

SEMESTER VI						
THEORY						
1.	MG6851	Principles of Management	3	0	0	3
2.	MT6601	Micro Controller and PLC	3	0	0	3
3.	MT6602	Applied Hydraulics and Pneumatics	3	0	0	3
4.	MT6603	Design of Mechatronics System	3	0	0	3
5.	MT6604	Object Oriented Programming in C++	3	0	0	3
6.		Elective – I	3	0	0	3
PRACTICALS						
7.	MT6611	Micro Controller and PLC Laboratory	0	0	3	2
8.	MT6612	Object Oriented Programming Laboratory	0	0	3	2
9.	MT6613	Applied Hydraulics and Pneumatics Laboratory	0	0	3	2
		Total	18	0	9	24
SEMESTER VII						
THEORY						
1.	MT6701	Medical Mechatronics	3	0	0	3
2.	MT6702	Modeling and Simulation	3	0	0	3
3.	MT6703	Robotics and Machine Vision System	3	0	0	3
4.	ME6602	Automobile Engineering	3	0	0	3
5.		Elective – II	3	0	0	3
6.		Elective - III	3	0	0	3
PRACTICALS						
7.	MT6711	Computer Aided Design and Computer Aided Manufacturing Laboratory	0	0	3	2
8.	MT6712	Robotics Laboratory	0	0	3	2
9.	MT6713	Design and Fabrication Project	0	0	4	2
Total			18	0	10	24

SEMESTER VIII						
THEORY						
1.	MT6801	Automotive Electronics	3	0	0	3
2.		Elective - IV	3	0	0	3
3.		Elective – V	3	0	0	3
PRACTICALS						
4.	MT6811	Project Work	0	0	12	6
		Total	9	0	12	15
TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE : 189						
SEMESTER VI						
ELECTIVE – I						
1.	MT6001	Advanced Manufacturing Technology	3	0	0	3
2.	GE6757	Total Quality Management	3	0	0	3
3.	IT6502	Digital Signal Processing	3	1	0	4
4.	IE6011	Product Design and Development	3	0	0	3
SEMESTER VII						
ELECTIVES– II						
1.	MT6002	Diagnostic Techniques	3	0	0	3
2.	MG6072	Marketing Management	3	0	0	3
3.	MT6003	Engineering Economics and Cost Analysis	3	0	0	3
ELECTIVES – III						
1.	MT6004	Industrial Electronics and Applications	3	0	0	3
2.	ME6501	Computer Aided Design	3	0	0	3
3.	IT6005	Digital Image Processing	3	0	0	3
4.	EE6007	Micro Electro Mechanical Systems	3	0	0	3
SEMESTER-VIII						
ELECTIVES – IV						

1.	MF6009	Rapid Prototyping	3	0	0	3
2.	MT6005	Virtual Instrumentation	3	0	0	3
3.	ME6015	Operations Research	3	0	0	3
4.	MG6071	Entrepreneurship Development	3	0	0	3
ELECTIVES – V						
1.	GE6075	Professional Ethics in Engineering	3	0	0	3
2.	MG6088	Software Project Management	3	0	0	3
3.	CS6302	Database Management Systems	3	0	0	3
4.	CS6551	Computer Networks	3	0	0	3

M.E. AERONAUTICAL ENGINEERING

I TO IV SEMESTERS (FULL TIME) CURRICULUM

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7170	Advanced Mathematical Methods	3	1	0	4
2.	AO7101	Aerodynamics	3	1	0	4
3.	AO7102	Aircraft Structural Mechanics	3	1	0	4
4.	AO7103	Aerospace Propulsion	3	1	0	4
5.	AO7104	Theory of Vibrations	3	0	0	3
6.		Elective I	3	0	0	3
PRACTICALS						
7.	AO7111	Aerodynamics Laboratory	0	0	4	2
		Total	18	4	4	24

SEMESTER II

THEORY						
1.	AO7201	Flight Mechanics	3	1	0	4

2.	AO7202	Finite Element Methods	3	1	0	4
3.	AO7203	Computational Fluid Dynamics in Aerospace Engineering	3	1	0	4
4.	AO7204	Composite Materials and Structures	3	0	0	3
5.		Elective II	3	0	0	3
6.		Elective III	3	0	0	3
PRACTICALS						
7.	AO7211	Structures Laboratory	0	0	4	2
		Total	18	3	4	23
SEMESTER III						
THEORY						
1.		Elective IV	3	0	0	3
2.		Elective V	3	0	0	3
PRACTICALS						
3.	AO7311	Project Work (Phase I)	0	0	12	6
		Total	6	0	12	12
SEMESTER IV						
THEORY						
1.	AO7411	Project Work (Phase II)	0	0	24	12
		Total	0	0	24	12
TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE = 71						
SEMESTER I (ELECTIVE I)						
1.	AO7001	Boundary Layer Theory	3	0	0	3
2.	AO7002	Aircraft Design	3	0	0	3
3.	AO7003	Industrial Aerodynamics	3	0	0	3
4.	AO7004	Helicopter Aerodynamics	3	0	0	3
5.	AO7005	Structural Dynamics	3	0	0	3

6.	AO7006	Aero Elasticity	3	0	0	3
SEMESTER II (ELECTIVE II & III)						
1.	AO7007	Theory of Plates and Shells	3	0	0	3
2.	AO7008	High Temperature Problems in Structures	3	0	0	3
3.	AO7009	Fatigue and Fracture Mechanics	3	0	0	3
4.	AO7010	Theory of Elasticity	3	0	0	3
5.	AO7011	Hypersonic Aerodynamics	3	0	0	3
6.	AO7012	High Temperature Gas Dynamics	3	0	0	3
7.	AO7013	Wind Power Engineering	3	0	0	3
SEMESTER III (ELECTIVE IV & V)						
1.	AO7014	Experimental Stress Analysis	3	0	0	3
2.	AO7015	Computational Heat Transfer	3	0	0	3
3.	AO7016	Advanced Propulsion Systems	3	0	0	3
4.	AO7017	Experimental Aerodynamics	3	0	0	3
5.	AO7018	Rocketry and Space Mechanics	3	0	0	3
6.	AO7019	High Speed Jet Flows	3	0	0	3
7.	AO7020	Combustion in Jet and Rocket Engines	3	0	0	3
8.	AO7021	Propeller Aerodynamics	3	0	0	3
9.	AO7022	Aerospace Guidance and Control	3	0	0	3

M.E. COMMUNICATION SYSTEMS

I TO IV SEMESTERS CURRICULUM (FULL TIME)

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7158	Applied Mathematics for Communication Engineers	3	1	0	4

2.	CU7101	Advanced Radiation Systems	3	0	0	3
3.	CU7102	Advanced Digital Communication Techniques	3	0	0	3
4.	AP7101	Advanced Digital Signal Processing	3	1	0	4
5.	CU7103	Optical Networks	3	0	0	3
6.		Elective I	3	0	0	3
PRACTICALS						
7.	CU7111	Communication Systems Laboratory	0	0	3	2
		Total	18	2	3	22
SEMESTER II						
THEORY						
1.	CU7201	Wireless Communication Networks	3	0	0	3
2.	CU7202	MIC and RF System Design	3	0	0	3
3.	AP7301	Electromagnetic Interference and Compatibility	3	0	0	3
4.		Elective II	3	0	0	3
5.		Elective III	3	0	0	3
6.		Elective IV	3	0	0	3
PRACTICALS						
7.	CU7211	Innovative System Design Laboratory	0	0	3	2
		Total	18	0	3	20
SEMESTER III						
THEORY						
1.	CU7301	Advanced Satellite Based Systems	3	0	0	3
2.		Elective V	3	0	0	3
3.		Elective VI	3	0	0	3
PRACTICALS						
4.	CU7311	Project Work (Phase I)	0	0	12	6

		Total	9	0	12	15
SEMESTER IV						
THEORY						
1.	CU7411	Project Work (Phase II)	0	0	24	12
		Total	0	0	24	12
TOTAL NO OF CREDITS:69						
ELECTIVE I						
1.	AP7103	Advanced Microprocessor and Microcontroller	3	0	0	3
2.	VL7001	Analog and Mixed Mode VLSI Design	3	0	0	3
3.	CU7001	Real Time Embedded Systems	3	0	0	3
4.	CU7002	MEMS and NEMS	3	0	0	3
5.	AP7202	ASIC and FPGA Design	3	0	0	3
ELECTIVE II						
1.	NC7102	Communication Network Modeling and Simulation	3	0	0	3
2.	CU7003	Digital Communication Receivers	3	0	0	3
3.	CU7004	Detection and Estimation Theory	3	0	0	3
4.	VL7013	VLSI for Wireless Communication	3	0	0	3
5.	CU7005	Cognitive Radio	3	0	0	3
ELECTIVE III						
1.	DS7071	Speech And Audio Signal Processing	3	0	0	3
2.	DS7201	Advanced Digital Image Processing	3	0	0	3
3.	DS7202	Radar Signal Processing	3	0	0	3
4.	CP7008	Speech Processing and Synthesis	3	0	0	3
ELECTIVE IV						
1.	CU7006	Wavelet Transforms and Applications	3	0	0	3
2.	DS7101	DSP Processor Architecture and Programming	3	0	0	3

3.	NC7101	High Performance Networks	3	0	0	3
4.	CP7023	Reconfigurable Computing	3	0	0	3
ELECTIVE V						
1.	NC7001	Network Routing Algorithms	3	0	0	3
2.	NC7202	Wireless Adhoc and Sensor Networks	3	0	0	3
3.	CU7007	Internetworking Multimedia	3	0	0	3
4.	NC7002	Multimedia Compression Techniques	3	0	0	3
5.	CU7008	Ultra Wide Band Communication	3	0	0	3
ELECTIVE VI						
1.	IF7301	Soft Computing	3	0	0	3
2.	NC7003	Network Processor	3	0	0	3
3.	NE7007	Network Management	3	0	0	3
4.	NC7201	Communication Network Security	3	0	0	3
5.	CU7009	Neural Network and Applications	3	0	0	3

M.E. EMBEDDED SYSTEM TECHNOLOGIES

I TO IV SEMESTERS CURRICULUM (FULL TIME)

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7163	Applied Mathematics for Electrical Engineers	3	1	0	4
2.	ET7101	Advanced Digital System Design	3	0	0	3
3.	ET7102	Microcontroller Based System Design	3	0	0	3
4.	ET7103	Real Time Systems	3	0	0	3
5.	ET7104	Design of Embedded Systems	3	0	0	3
6.		Elective - I	3	0	0	3
PRACTICALS						

7.	ET7111	Embedded System Laboratory I	0	0	3	2
		Total	18	1	3	21
SEMESTER II						
THEORY						
1.	ET7201	VLSI Architecture and Design Methodologies	3	0	0	3
2.	ET7202	Embedded Networking	3	1	0	4
3.	ET7203	Wireless and Mobile Communication	3	0	0	3
4.	ET7204	Software for Embedded Systems	3	0	0	3
5.		Elective - II	3	0	0	3
6.		Elective - III	3	0	0	3
PRACTICALS						
7.	ET7211	Embedded System Laboratory II	0	0	3	2
		Total	18	1	3	21
SEMESTER III						
THEORY						
1.		Elective – IV	3	0	0	3
2.		Elective – V	3	0	0	3
3.		Elective – VI	3	0	0	3
PRACTICALS						
4.	ET7311	Project Work (Phase I)	0	0	12	6
		Total	9	0	12	15
SEMESTER IV						
THEORY						
1.	ET7411	Project Work (Phase II)	0	0	24	12
		Total	0	0	24	12
TOTAL NUMBER OF CREDITS = 69						
ELECTIVE I						

1.	ET7001	Digital Instrumentation	3	0	0	3
2.	ET7002	Real Time Operating Systems	3	0	0	3
3.	ET7016	Parallel Processing Architecture	3	0	0	3
ELECTIVE II & III						
4.	ET7003	Design of Embedded Control Systems	3	0	0	3
5.	ET7004	Programming with VHDL	3	0	0	3
6.	ET7005	Adhoc Networks	3	0	0	3
7.	ET7006	Advanced Digital Signal Processing	3	0	0	3
8.	CL7204	Soft Computing Techniques	3	0	0	3
9.	ET7007	RISC Processor Architecture and Programming	3	0	0	3
ELECTIVE IV. V & VI						
10.	ET7008	Advanced Embedded Systems	3	0	0	3
11.	ET7009	Pervasive Devices and Technology	3	0	0	3
12.	ET7010	Cryptography and Network Security	3	0	0	3
13.	ET7011	Smart Meter and Smart Grid Communication	3	0	0	3
14.	ET7012	Computer in Networking and Digital Control	3	0	0	3
15.	ET7013	Distributed Embedded Computing	3	0	0	3
16.	CL7004	Robotics and Control	3	0	0	3
17.	ET7014	Application of MEMS Technology	3	0	0	3
18.	ET7015	Digital Image Processing and Applications	3	0	0	3

MASTER OF BUSINESS ADMINISTRATION (MBA)

VISION

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

MISSION

- To provide practical training, improve analytical power, reasoning abilities and technical dexterity.

- To facilitate students to understand their responsibility for the development of the society with the individual improvement.
- To increase employability of the students by variety of skill excellence techniques.
- To adopt the industrial culture in campus by involving corporate delegates interaction most frequently.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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

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

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

R-2013						
I TO IV SEMESTERS						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	BA7101	Principles of Management	3	0	0	3
2.	BA7102	Statistics for Management	3	1	0	4
3.	BA7103	Economic Analysis for Business	4	0	0	4
4.	BA7104	Total Quality Management	3	0	0	3
5.	BA7105	Organizational Behaviour	3	0	0	3
6.	BA7106	Accounting for Management	3	1	0	4
7.	BA7107	Legal Aspects of Business	3	0	0	3

8.	BA7108	Written Communication	3	0	0	3
		Total	25	2	0	27
SEMESTER II						
THEORY						
1.	BA7201	Operations Management	3	0	0	3
2.	BA7202	Financial Management	3	0	0	3
3.	BA7203	Marketing Management	4	0	0	4
4.	BA7204	Human Resource Management	3	0	0	3
5.	BA7205	Information Management	3	0	0	3
6.	BA7206	Applied Operations Research	3	1	0	4
7.	BA7207	Business Research Methods	3	0	0	3
PRACTICALS						
8.	BA7211	Data Analysis and Business Modeling	0	0	4	2
		Total	22	1	4	25
SEMESTER III						
THEORY						
1.	BA7301	Enterprise Resource Planning	3	0	0	3
2.	BA7302	Strategic Management	3	0	0	3
3.	E1	Elective I	3	0	0	3
4.	E2	Elective II	3	0	0	3
5.	E3	Elective III	3	0	0	3
6.	E4	Elective IV	3	0	0	3
7.	E5	Elective V	3	0	0	3
8.	E6	Elective VI	3	0	0	3
PRACTICALS						

9.	BA7311	Professional Skill Development	0	0	4	2
10.	BA7312	Summer Training	0	0	2	1
		Total	24	0	6	27
SEMESTER IV						
THEORY						
1.	BA7401	International Business Management	3	0	0	3
2.	BA7402	Business Ethics, Corporate Social Responsibility and Governance	3	0	0	3
PRACTICALS						
3.	BA7411	Creativity and Innovation	0	0	4	2
4.	BA7412	Project Work	0	0	18	9
		Total	6	0	22	17
TOTAL NUMBER OF CREDITS =96						
LIST OF ELECTIVES						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
MARKETING – ELECTIVES						
1.	BA7011	Brand Management	3	0	0	3
2.	BA7012	Retail Management	3	0	0	3
3.	BA7013	Services Marketing	3	0	0	3
4.	BA7014	Integrated Marketing Communication	3	0	0	3
5.	BA7015	Customer Relationship Management	3	0	0	3
6.	BA7016	Rural Marketing	3	0	0	3
FINANCE – ELECTIVES						
1.	BA7021	Security Analysis and Portfolio Management	3	0	0	3
2.	BA7022	Merchant Banking and Financial Services	3	0	0	3
3.	BA7023	International Trade Finance	3	0	0	3

4.	BA7024	Corporate Finance	3	0	0	3
5.	BA7025	Micro Finance	3	0	0	3
6.	BA7026	Banking Financial Services Management	3	0	0	3
HUMAN RESOURCE – ELECTIVES						
1.	BA7031	Managerial Behavior and Effectiveness	3	0	0	3
2.	BA7032	Entrepreneurship Development	3	0	0	3
3.	BA7033	Organizational Theory, Design & Development	3	0	0	3
4.	BA7034	Industrial Relations & Labour Welfare	3	0	0	3
5.	BA7035	Labour Legislations	3	0	0	3
6.	BA7036	Strategic Human Resource Management	3	0	0	3
SYSTEMS - ELECTIVES						
1.	BA7041	Advanced Database Management Systems	3	0	0	3
2.	BA7042	e-Business Management	3	0	0	3
3.	BA7043	Software Project and Quality Management	3	0	0	3
4.	BA7044	Datamining for Business Intelligence	3	0	0	3
OPERATIONS – ELECTIVES						
1.	BA7051	Logistics and Supply Chain Management	3	0	0	3
2.	BA7052	Services Operations Management	3	0	0	3
3.	BA7053	Project Management	3	0	0	3
4.	BA7054	Lean Six Sigma	3	0	0	3

MASTER OF COMPUTER APPLICATION

VISION

To mould the graduates to become talented and disciplined computer professionals with a focus on research, innovation and computer applications catering to the needs of society at large.

MISSION

- To strive for building quality professionals who are committed and self motivated with Hi-Tech pedagogy.

- To inculcate professional behavior with strong ethical values and the thirst for research through innovative programs and continuous learning.
- To mould youngsters with inter personnel and entrepreneurial skills to be the leaders of the society.
- To upgrade Institute's visibility and enhance sustainable growth in association with industries and professional bodies.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: To excel in problem solving and programming skills in the various computing fields of IT industries

PEO2: To develop the ability to plan, analyze, design, code, test, implement and maintain a software product for real time system

PEO3: To promote students capability to set up their own enterprise in various sectors of Computer Applications

PEO4: To experience the students in finding solutions and developing system based applications for real time problems in various domains involving technical, managerial, economical and social constraints

PEO5: To prepare the students to pursue higher studies in computing or related disciplines and to ork in the fields of teaching and research.

R-2013						
I TO VI SEMESTERS						
SEMESTER I						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	MA7151	Mathematical Foundation for Computer Applications	3	1	0	4
2.	MC7101	Computer Organization	3	0	0	3
3.	MC7102	Problem Solving and Programming	3	0	0	3
4.	MC7103	Database Management Systems	3	0	0	3
5.	MC7104	Data Structures and Algorithms	3	1	0	4
PRACTICALS						

6.	MC7111	DBMS Laboratory	0	0	3	2
7.	MC7112	Data Structures and Algorithms Laboratory	0	0	3	2
8.	MC7113	Communication Skill Laboratory	1	0	2	2
		Total	16	2	8	23
SEMESTER II						
THEORY						
1.	MC7201	Object Oriented Programming	3	0	0	3
2.	MC7202	Web Programming Essentials	3	0	0	3
3.	MC7203	System Software	3	0	0	3
4.	MC7204	Operating Systems	3	0	0	3
5.	MC7205	Computer Graphics and Multimedia	3	0	0	3
PRACTICALS						
6.	MC7211	Object Oriented Programming Laboratory	0	0	3	2
7.	MC7212	Web Programming Laboratory	0	0	3	2
8.	MC7213	Graphics and Multimedia Laboratory	0	0	3	2
		Total	15	0	9	21
SEMESTER III						
THEORY						
1.	MC7301	Computer Networks	3	0	0	3
2.	MC7302	Embedded Systems	3	0	0	3
3.	MC7303	Software Engineering	3	0	0	3
4.	MC7304	Professional Ethics	3	0	0	3
5.	MC7305	Internet Programming	3	0	0	3
PRACTICALS						
6.	MC7311	Embedded Systems Laboratory	0	0	3	2
7.	MC7312	Internet Programming Laboratory	0	0	3	2
8.	MC7313	Visual Programming Laboratory	1	0	3	2

		Total	16	0	9	21
SEMESTER IV						
THEORY						
1.	MC7401	Resource Management Techniques	3	0	0	3
2.	MC7402	Object Oriented Analysis and Design	3	0	0	3
3.	MC7403	Data Warehousing and Data Mining	3	0	0	3
4.	MC7404	Network Programming	3	0	0	3
5.		Elective I	3	0	0	3
PRACTICALS						
6.	MC7411	Software Development- Case Tools Laboratory	0	0	3	2
7.	MC7412	Network Programming Laboratory	0	0	3	2
8.	MC7413	Technical Seminar and Report Writing	0	0	3	2
		Total	15	0	9	21
SEMESTER V						
SL. No.	**COURSE CODE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
THEORY						
1.	MC7501	Web Application Development	3	0	0	3
2.	MC7502	Service Oriented Architecture	3	0	0	3
3.	MC7503	Mobile computing	3	0	0	3
4.		Elective II	3	0	0	3
5.		Elective III	3	0	0	3
PRACTICALS						
6.	MC7511	Advanced Internet Programming Laboratory	0	0	3	2
7.	MC7512	XML and Web Services Laboratory	0	0	3	2
8.	MC7513	Mini Project(Socially Relevant)	0	0	3	2
		Total	15	0	9	21

SEMESTER VI						
THEORY						
1.	MC7611	Project Work	0	0	24	12
		Total	0	0	24	12
TOTAL NO OF CREDITS: 119						
LIST OF ELECTIVES						
SL. No.	**COURSE**	**COURSE TITLE**	**L**	**T**	**P**	**C**
ELECTIVE I						
1.	MC7001	Game Programming	3	0	0	3
2.	MC7002	Soft Computing	3	0	0	3
3.	MC7003	Accounting and Financial Management	3	0	0	3
4.	MC7004	Energy Aware Computing	3	0	0	3
5.	MC7005	Security in computing	3	0	0	3
6.	MA7071	Numerical and Statistical Methods	3	0	0	3
ELECTIVE II						
1.	MC7006	M-commerce	3	0	0	3
2.	MC7007	Health Care Management	3	0	0	3
3.	MC7008	Geological Information Systems	3	0	0	3
4.	MC7009	Human Resource Management	3	0	0	3
5.	MC7010	Enterprise Application Integration	3	0	0	3
6.	MC7011	Big Data Analytics	3	0	0	3
ELECTIVE III						
1.	MC7012	Ad hoc and Sensor networks	3	0	0	3
2.	MC7013	Semantic Web	3	0	0	3
3.	MC7014	Software Testing and Quality Assurance	3	0	0	3
4.	MC7015	Software Project Management	3	0	0	3
5.	MC7016	Cloud Computing	3	0	0	3
6.	MC7017	Network Protocols	3	0	0	3

ANNA UNIVERSITY, CHENNAI

REGULATIONS 2013 R – 2013 (For all II, III, IV Year Classes)

(Common to all B.E./ B.Tech. Degree (8 Semesters) Full – Time Programmes of Affiliated institutions)

1. ADMISSION

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

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

(OR)

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

1.2 Lateral entry admission

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

(OR)

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

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

2. STRUCTURE OF PROGRAMMES

2.1 Every Programme will have curricula with syllabi consisting of theory and practical courses such as:

(i) General core courses comprising Mathematics, Basic sciences, Engineering sciences, Humanities and Management.

(ii) Core courses of Engineering/Technology.

(iii) Elective courses for specialization in related fields.

(iv)Workshop Practice, Computer Practice, Engineering Graphics, Laboratory work, Industrial Training, Seminar presentation, Project work, Educational tours, Camps etc.

(v) NCC / NSS / NSO / YRC activities for character development.

There shall be a certain minimum number of core courses and sufficient number of elective courses that can be opted by the students. The blend of different courses shall be so designed that the student, at the end of the programme, would have been trained\ not only in his / her relevant professional field but also would have developed as a socially conscious human being.

2.2 Each course is normally assigned a certain number of credits with 1 credit per lecture period per week, 1 credit per tutorial period per week, 1 credit for 2 periods of laboratory or practical or seminar or project work per week (2 credits for 3 or 4 periods of practical).

2.3 Each semester curriculum shall normally have a blend of lecture courses not exceeding 7 and practical courses not exceeding 4. However, the total number of courses per semester shall not exceed 10.

2.4 For the award of the degree, a student has to earn certain minimum total number of credits specified in the curriculum of the relevant branch of study.

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

3. DURATION OF THE PROGRAMME

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

3.2 Each semester shall normally consist of 90 working days or 450 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

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

Percentage of Total no. of periods attended in all the courses per semester Attendance = X 100 (No. of periods / week as prescribed in the curriculum) x 15 taken together for all courses of the semester. The University Examination will ordinarily follow immediately after the last working day of the semester commencing from I semester as per the academic schedule prescribed from time to time.

3.4 The total period for completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 18.4) in order that he/she may be eligible for the award of the degree (vide clause 15).

4. ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER

4.1 A Candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester. Ideally every student is expected to attend all classes and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as Medical / participation in sports, the student is expected to attend atleast 75% of the classes. Therefore, he/she shall secure not less than 75% (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3.

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

4.3 Candidates who secure less than 65% overall attendance and candidates who do not satisfy the clause 6.1 and 6.2 shall not be permitted to write the University examination at the end of the semester and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.

5. SYSTEM OF EXAMINATION

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

5.2 Each course, both theory and practical (including project work & viva voce Examinations) shall be evaluated for a maximum of 100 marks. For all theory and practical courses including project work, the continuous internal assessment will carry 20 marks while the End - Semester University examination will carry 80 marks.

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

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

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

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

6. PROCEDURE FOR AWARDING MARKS FOR INTERNALASSESSMENT

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

6.1(a) Theory Courses

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

(b) Practical Courses:

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

(c) Theory Courses with Laboratory Component:

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

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

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

constituted by the Head of the Institution. The certificates (issued by the organization) submitted by the students shall be attached to the mark list sent by the Head of the Institution to the Controller of Examinations.

7. PROJECT WORK:

Project work may be allotted to a single student or to a group of students not exceeding 4 per group. The Head of the Institutions shall constitute a review committee for project work for each branch of study. There shall be three reviews during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be reduced for 20 marks and rounded to the nearest integer.

8. REQUIREMENTS FOR APPEARING FOR UNIVERSITYEXAMINATIONS

A candidate shall normally be permitted to appear for the University Examinations of the current semester if he/she has satisfied the semester completion requirements (subject to Clause 6) and has registered for examination in all courses of the semester. Registration is mandatory for current semester examinations as well as arrear examinations, failing which the candidate will not be permitted to move to the higher semester. A candidate who has already appeared for any subject in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.

9. PASSING REQUIREMENTS

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

9.2 If a candidate fails to secure a pass in a particular course, it is mandatory that he/she shall register and reappear for the examination in that course during the subsequent semester when examination is conducted in that course; he/she should continue to register and reappear for the examinations in the failed subjects till he / she secures a pass.

9.3 The internal assessment marks obtained by the candidate in the first appearance shall be retained and considered valid for all subsequent attempts till the candidate secure a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (IA+ End Semester Examination) as per clause 13.1, then the candidate shall be declared to have passed the examination if he/she secure a minimum of 50% marks prescribed for the university end semester examinations alone.

10. AWARD OF LETTER GRADES

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

Letter grade Grade Points Marks Range

S 10 91 – 100

A 9 81 – 90

B 8 71 – 80

C 7 61 – 70

D 6 57 – 60

E 5 50 – 56

U 0 < 50 (or = 50 but not satisfying clause 13.1)

W 0

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: “S”, “A”, “B”, “C”, “D”, “E”. SA. denotes shortage of attendance (as per clause 6.3) and hence prevention from writing the end semester examination. SA. will appear only in the result sheet. “U” denotes Reappearance (RA) is required for the examination in the course. “W” denotes withdrawal from the exam for the particular course. (The grades U and W will figure both in Marks Sheet as well as in Result Sheet) Grade sheet

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

. The college in which the candidate has studied

. The list of courses enrolled during the semester and the grade scored.

. The Grade Point Average (GPA) for the semester and

. The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

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

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

$$GPA = \sum_{i=1}^{n} C_i GP_i / \sum_{i=1}^{n} C_i$$

$$CGPA = \sum_{i=1}^{n} C_i GP_i / \sum_{i=1}^{n} C_i$$

where Ci is the number of Credits assigned to the course

GPi is the point corresponding to the grade obtained for each course.

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

11. ELIGIBILITYFOR THE AWARD OF THE DEGREE

11.1 A student shall be declared to be eligible for the award of the Degree if he/she has. Successfully gained the required number of total credits as specified in the Curriculum corresponding to his/her Programme within the stipulated time.

. No disciplinary action is pending against him/her.

. The award of the degree must be approved by the Syndicate.

. Successfully completed any additional courses prescribed by the Director, Academic

Courses, whenever any candidate is readmitted under Regulations other than R – 2013 (clause 18.2).

12. CLASSIFICATION OF THE DEGREE AWARDED

12.1 FIRSTCLASS WITH DISTINCTION

A candidate who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction. . Should have passed the End semester examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) in his/her First Appearance within four years (three years in the case of lateral entry). Withdrawal from examination (vide Clause 17) will not be considered as an appearance. One year authorized break of study (if availed of) is permitted in addition to four years (three years in the case of lateral entry) for award of First class with Distinction. Should have secured a CGPA of not less than 8.50.

12.2 FIRSTCLASS

A candidate who satisfies the following conditions shall be declared to have passed the examination in First class. Should have passed the End semester examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) within five years (four years in the case of lateral entry). One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (four years in the case of lateral entry) for award of First class. Should have secured a CGPA of not less than 6.50.

12.3 SECOND CLASS

All other candidates (not covered in clauses 16.1 and 16.2) who qualify for the award of the degree (vide Clause 15) shall be declared to have passed the examination in Second Class.

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

12.5 Revaluation

A candidate can apply for revaluation / photocopy of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of Institutions. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Institutions. Revaluation is not permitted for practical courses and for project work. A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

12.6 Review

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

13. PROVISION FOR WITHDRAWALFROM END-SEMESTER EXAMINATION

13.1 A candidate, may for valid reasons and on prior application, be granted permission to withdraw from appearing for the examination of any one course or consecutive examinations of more than one course in a semester examination.

13.2 Such withdrawal shall be permitted only once during the entire period of study of the degree programme.

13.3 Withdrawal application is valid only if it is made within 10 days prior to the commencement of the examination in that course or courses and recommended by the Head of the Institution and approved by the Controller of Examinations.

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

13.4 Withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction.

13.5 Withdrawal from the End Semester Examination is NOT applicable to arrears subjects of previous semesters.

13.6 The candidate shall reappear for the withdrawn courses during the examination conducted in the subsequent semester.

13.7 Withdrawal shall not be permitted after the final semester examinations.

14. PROVISION FOR AUTHORISED BREAK OF STUDY

14.1 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to rejoin the programme in a subsequent

year, permission may be granted based on the merits of the case provided he / she applies to the Director, Student Affairs in advance, but not later than the last date for registering for the end semester examination of the semester in question, through the Head of the Institution stating the reasons therefore and the probable date of rejoining the programme.

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

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

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

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

15. INDUSTRIALVISIT

Every student is required to undergo one Industrial visit for every theory course offered, starting from the third semester of the Programme. Every teacher shall take the students at least for one industrial visit in a semester.

16. PERSONALITYAND CHARACTER DEVELOPMENT

All students shall enroll, on admission, in any one of the personality and character development programmes (the NCC / NSS / NSO / YRC) and undergo training for about 80 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid. National Cadet Corps (NCC) will have about 20 parades. National Service Scheme (NSS) will have social service activities in and around the College / Institution. National Sports Organization (NSO) will have sports, Games, Drills and Physical exercises. Youth Red Cross (YRC) will have activities related to social services in and around college / institutions. While the training activities will normally be during weekends, the camp will normally be during vacation period. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily. The training and camp shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the second year.

17. DISCIPLINE

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

CODE OF CONDUCTS FOR STUDENTS

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

DRESS CODE NORMS

Civil dress is permitted on all days and occasions.

Civil/Colour dress code:

Boys:

Strictly formal – Shirt – full/half sleeved

Pant – tucked in and proper belt

Formal black shoe or descent chappal

Girls:

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

Descent chappal

Hair neatly dresses – natural colour.

The following dresses and practices are totally disallowed

Boys: (Not Permitted)

T. Shirt

Jeans Pants

Shirts/pants/sneakers with emblems/pictures/slogans

Dothis, Bermudas, Kurta, Pyjamah

Chappals used for bathroom

Girls: (Not Permitted)

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

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

General Information

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

Timings 9.00 am to 4.30 pm

Tea Break 10.40 am to 10.50 am

Lunch Break 01.15 pm to 02.00 pm

Computer Center Training 9.00 am to 4.30 pm

Library Hours 8.30 am to 5.30 pm

LIBRARY RULES

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

BOYS HOSTEL RULES

- A student must remember that the hostel is the home of the students in the campus. He in should behave himself the campus as well as outside in such manner as to bring credit to him and to the Institute.
- No boarders shall be absent from the hostel without the prior permission of the Warden.
- No students should entertain unauthorized guests. The Chief Warden (Principal) reserves the right to deny entry into the Hostel to visitors if their visit is likely to disturb the peace and order of the hostel.
- Boarders are permitted to stay in the hostel during the academic session only, and are to vacate their rooms during the vacations unless there is special permission of the Chief Warden.
- Boarders are permitted to meet the visitors at the visitors' lounge of the hostel during the visiting hours only. Visiting hours of the hostels shall be 10.00am to 12.00 noon on holidays and 5.00pm to 6.00pm on working days.
- Day-scholars are not allowed in the hostel without permission of chief warden.
- A student once admitted in the hostel, will continue to be a hostel inmate throughout the year unless otherwise debarred from the hostel on disciplinary grounds and he will have to pay the room rent for both the terms.
- Every student should stay in the accommodation allotted to him by the Warden. Any change of accommodation without prior permission of the Warden is not permitted and the violation of this rule is considered as an act of indiscipline.
- Female visitors are not permitted to visit any time into the Boys Hostel without the permission of the Chief Warden.
- Students shall not remain absent from hostel during night between 9.00 pm to 6.00 am without the prior permission of the Warden/Chief Warden.
- Hostel students shall not leave the head-quarters without prior permission of the Warden/Chief Warden. They shall have to apply in prescribed form in advance stating the reason for leaving and the address of destination. Hostel students who leave hostel without the application and the permission from the concerned authorities shall be deemed to be missing and parent / Guardian / police authorities may be intimated, in consultation with the Chief Warden.
- The inmates of the hostel will not leave the hostel premises on holidays for the purpose of excursion or picnic. Prior permission of the Chief Warden has to be obtained for going for any picnic or excursion. However for any eventuality that may occur during picnic/excursion, the responsibility does not lie with the Institute authorities.
- Consumption or storage or supplying any liquor or any sort of intoxicated drink/drug material is strictly prohibited and if found guilty, the same will be dealt with severely (including expulsion from the hostel). Students found in intoxicated state shall be expelled from hostel immediately. Any kind of

gambling is also prohibited. phone / laptop etc. The Institute will not be responsible for any loss incurred due to his negligence or any other reason whatsoever.

- Student should check the fittings in his room at the time of occupation. If there is any deficiency or inadequacy, it should be brought to the notice of the hostel staff. He shall be responsible for the fittings and shall see to it that they are in order at the time of handing over charge of the room when he leaves the hostel.
- Room furniture, electric fittings, etc, are required to be maintained by the inmates in good condition. At the time of allotment of room and leaving the hostel for the vacations, every student must take-over and hand-over, respectively, the hostel property carefully. Students should invariably vacate the hostel during vacation. If they have to leave any belongings in the hostel during this period, he may do so at his own risk and for this purpose he should contact the hostel warden.
- In case of damage to any part of the hostel buildings, furniture, apparatus or other property of the institute, caused by inmates of the hostel, the loss shall be recovered from the persons identified as responsible for such damage. However, if the persons causing damage cannot be identified, the cost of repairing the same as may be assessed will be distributed equally amongst all the inmates of the hostel or group of inmates of the hostel found responsible for the damage.
- Fans and lights must be switched off whenever the students leave their rooms. Lights must be switched off positively when they go to bed. In case it is noticed that the fans/lights are on in the locked room, a heavy penalty will be imposed for wasting the precious energy.
- Usage of computer and printer in the hostel room will be allowed with prior permission from the Chief Warden.
- The Chief Warden/ Warden or any staff of the institute authorized by the Chief Warden can inspect the room of any student in the hostel at any time.
- Decisions taken by the Hostel Management in connection with admission, discipline and general management are final and binding on all the hostel inmates.
- Violation of any rules will make the student liable for disciplinary action including expulsion from the hostels.
- Hostel inmates will be completely responsible for all his belongings including mobile.

To be Noted

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ACADEMIC CALENDAR 2018-19

JUNE, 2018

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

To be Noted

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JULY, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII Sem
SUN	1	SUNDAY		
MON	2	Reopening (B.E. – III, V, VII Sem) PARENTS MEETING		01
TUE	3			02
WED	4			03
THUR	5			04
FRI	6			05
SAT	7	SECOND SATURDAY		
SUN	8	SUNDAY		
MON	9			06
TUE	10			07
WED	11			08
THUR	12			09
FRI	13			10
SAT	14	THIRD SATURDAY		
SUN	15	SUNDAY		
MON	16			11
TUE	17			12
WED	18	REOPENING (BE I SEM)	01	13
THUR	19		02	14
FRI	20		03	15
SAT	21		04	16
SUN	22	SUNDAY		
MON	23		05	17
TUE	24		06	18
WED	25		07	19
THUR	26		08	20
FRI	27		09	21
SAT	28		10	22
SUN	29	SUNDAY		
MON	30		11	23
TUE	31		12	24

To be Noted

AUGUST, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I sem	III,V,VII Sem
WED	1		13	25
THUR	2		14	26
FRI	3		15	27
SAT	4		16	28
SUN	5	SUNDAY		
MON	6		17	29
TUE	7		18	30
WED	8		19	31
THUR	9		20	32
FRI	10		21	33
SAT	11	SECOND SATURDAY		
SUN	12	SUNDAY		
MON	13		22	34
TUE	14		23	35
WED	15	INDEPENDENCE DAY		
THUR	16		24	36
FRI	17		25	37
SAT	18		26	38
SUN	19	SUNDAY PHOTOGRAPHY DAY		
MON	20		27	39
TUE	21		28	40
WED	22	BAKRID		
THUR	23	ONAM		
FRI	24	ONAM		
SAT	25	ONAM		
SUN	26	ONAM - SUNDAY		
MON	27		29	41
TUE	28		30	42
WED	29		31	43
THUR	30		32	44
FRI	31		33	45

To be Noted

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SEPTEMBER, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
SAT	1		34	46
SUN	2	KRISHNA JAYANTHI - SUNDAY		
MON	3		35	47
TUE	4		36	48
WED	5	TEACHERS DAY	37	49
THUR	6		38	50
FRI	7		39	51
SAT	8		40	52
SUN	9	SUNDAY		
MON	10		41	53
TUE	11		42	54
WED	12		43	55
THUR	13	VINAYAGAR CHATHURTHI		
FRI	14	VINAYAGAR CHATHURTHI		
SAT	15	THIRD SATURDAY ENGINEERS DAY		
SUN	16	SUNDAY		
MON	17		44	56
TUE	18		45	57
WED	19		46	58
THUR	20		47	59
FRI	21	MUHARRAM		
SAT	22		48	60
SUN	23	SUNDAY		
MON	24	NATIONAL NSS DAY	49	61
TUE	25		50	62
WED	26		51	63
THUR	27		52	64
FRI	28		53	65
SAT	29		54	66
SUN	30	SUNDAY		

To be Noted

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OCTOBER, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
MON	1		55	67
TUE	2	GANDHI JAYANTHI		
WED	3	WORLD NATURE DAY	56	68
THUR	4		57	69
FRI	5		58	70
SAT	6		59	71
SUN	7	SUNDAY		
MON	8		60	72
TUE	9		61	73
WED	10	AYURVEDA DAY	62	74
THUR	11		63	75
FRI	12		64	76
SAT	13	SECOND SATURDAY		
SUN	14	SUNDAY		
MON	15		65	77
TUE	16		66	78
WED	17	LAST WORKING DAY	67	79
THUR	18	AYUTHA POOJA		
FRI	19	VIJAYA DASAMI		
SAT	20	THIRD SATURDAY		
SUN	21	SUNDAY		
MON	22	COMMENCEMENT OF PRACTICAL EXAMINATIONS	68	
TUES	23		69	
WED	24		70	
THUR	25		71	
FRI	26		72	
SAT	27		73	
SUN	28	SUNDAY BEST FACULTY AWARD FOR POLYTECHNIC COLLEGES		
MON	29		74	
TUES	30		75	
WED	31		76	

To be Noted

NOVEMBER, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
			I Sem	III,V,VII Sem
THUR	1	COMMENCEMENT OF END SEMESTER EXAMINATIONS	77	
FRI	2		78	
SAT	3	DEEPAVALI		
SUN	4	DEEPAVALI - SUNDAY		
MON	5	DEEPAVALI		
TUE	6	DEEPAVALI		
WED	7	DEEPAVALI		
THUR	8		79	
FRI	9		80	
SAT	10		81	
SUN	11	SUNDAY		
MON	12		82	
TUE	13		83	
WED	14		84	
THUR	15		85	
FRI	16		86	
SAT	17	THIRD SATURDAY		
SUN	18	SUNDAY		
MON	19			
TUE	20			
WED	21	MILAD – UN- NABI		
THUR	22			
FRI	23			
SAT	24			
SUN	25	SUNDAY ALUMNI MEETING		
MON	26			
TUE	27			
WED	28			
THUR	29			
FRI	30			

To be Noted

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DECEMBER, 2018

DAY	DATE	PARTICULARS	WORKING DAYS	
				II, IV,VI,VIII sem
SAT	1			
SUN	2	SUNDAY		
MON	3			
TUE	4			
WED	5			
THUR	6			
FRI	7			
SAT	8	SECOND SATURDAY		
SUN	9	SUNDAY		
MON	10			
TUE	11			
WED	12			
THUR	13			
FRI	14	ENERGY CONSERVATION DAY		
SAT	15	THIRD SATURDAY		
SUN	16	SUNDAY		
MON	17	Reopening (B.E. - II, IV, VI, VIII sem)		01
TUE	18			02
WED	19			03
THUR	20			04
FRI	21	CAREER GUIDANCE PROGRAMME		05
SAT	22	NATIONAL MATHEMATICS DAY		06
SUN	23	SUNDAY		
MON	24			07
TUE	25	CHRISTMAS		
WED	26			08
THUR	27			09
FRI	28			10
SAT	29			11
SUN	30	SUNDAY		
MON	31			12

To be Noted

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JANUARY, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II ,IV,VI,VIII Sem
TUE	1	NEW YEAR		
WED	2			13
THUR	3			14
FRI	4			15
SAT	5			16
SUN	6	SUNDAY		
MON	7			17
TUE	8			18
WED	9			19
THUR	10			20
FRI	11			21
SAT	12	SECOND SATURDAY		
SUN	13	SUNDAY		
MON	14	PONGAL		
TUE	15	PONGAL		
WED	16	THIRUVALLUVAR DAY		
THUR	17	UZHAVAR TIRUNAL		
FRI	18			22
SAT	19	THIRD SATURDAY		
SUN	20	SUNDAY BEST TEACHERS AWARD TUITION TEACHER/HEAD MASTER/HEAD MISTRESS		
MON	21			23
TUE	22			24
WED	23			25
THUR	24			26
FRI	25			27
SAT	26	REPUBLIC DAY		
SUN	27	SUNDAY		
MON	28			28
TUE	29			29
WED	30			30
THUR	31			31

To be Noted

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FEBRUARY, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II, IV,VI,VIII sem
FRI	1			32
SAT	2			33
SUN	3	SUNDAY		
MON	4			34
TUE	5			35
WED	6			36
THUR	7			37
FRI	8			38
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11			39
TUE	12			40
WED	13			41
THUR	14			42
FRI	15			43
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18			44
TUE	19			45
WED	20			46
THUR	21			47
FRI	22			48
SAT	23			49
SUN	24	SUNDAY		
MON	25			50
TUE	26			51
WED	27			52
THUR	28	NATIONAL SCIENCE DAY		53

To be Noted

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MARCH, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
FRI	1			54
SAT	2			55
SUN	3	SUNDAY		
MON	4			56
TUE	5			57
WED	6			58
THUR	7			59
FRI	8	INTERNATIONAL WOMEN'S DAY		60
SAT	9	SECOND SATURDAY		
SUN	10	SUNDAY		
MON	11			61
TUE	12			62
WED	13			63
THUR	14			64
FRI	15			65
SAT	16	THIRD SATURDAY		
SUN	17	SUNDAY		
MON	18			66
TUE	19			67
WED	20			68
THUR	21	INTERNATIONAL DAY FOR ELIMINATION OF RACIAL DISCRIMINATION		69
FRI	22	SPORTS DAY WORLD WATER DAY		70
SAT	23			71
SUN	24	SUNDAY		
MON	25			72
TUE	26			73
WED	27	COLLEGE DAY		74
THUR	28			75
FRI	29			76
SAT	30			77
SUN	31	SUNDAY		

To be Noted

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APRIL, 2019

DAY	DATE	PARTICULARS	WORKING DAYS	
				II,IV,VI,VIII Sem
MON	1			78
TUE	2			79
WED	3			80
THUR	4			81
FRI	5			82
SAT	6			83
SUN	7	SUNDAY WORLD HEALTH DAY		
MON	8			84
TUE	9			85
WED	10			86
THUR	11			87
FRI	12			88
SAT	13	SECOND SATURDAY		
SUN	14	TAMIL NEW YEAR - SUNDAY		
MON	15			89
TUE	16			90
WED	17	MAHAVIR JAYANTHI		
THUR	18			91
FRI	19	GOOD FRIDAY		
SAT	20	THIRD SATURDAY		
SUN	21	EASTER - SUNDAY		
MON	22	EARTH DAY		94
TUE	23			95
WED	24			96
THUR	25			97
FRI	26			98
SAT	27	LAST WORKING DAY		99
SUN	28	SUNDAY		
MON	29			
TUE	30			

To be Noted

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MAY, 2019

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

To be Noted

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TIMETABLE (2018-19 ODD)

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

TIMETABLE (2018-19 EVEN)

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