

Mandatory Disclosure

AICTE FILE No.& Approval Date		F.No. Southern/1 -1 0973996982/2022/EOA
1	Name of the Institution	Karpagam Institute of Technology
	Address of the Institution	S.F.No.247, 248, L & T Bypass Road, Seerapalayam, Bodipalayam Post, Coimbatore
	City & PIN Code	Coimbatore – 641105
	State	Tamil Nadu
	Phone Number with STD code	0422 – 3502440
	FAX number with STD code	-
	Mobile No	9486730631
	E-Mail	principal@karpagamtech.ac.in
	Website	www.karpagamtech.ac.in
2	Name and address of the trust	Karpagam Charity Trust, No.14a, LIC Colony, SIDCO Industrial Estate, Coimbatore
	Address of the organization	Karpagam Institutions, Eachanari Post, Pollachi Main Road, Coimbatore 641 021
	Phone Number with STD code	0422 – 2980014
	FAX number with STD code	0422 – 2980022
	Mobile No	9443325669
	Website of the organization	www.karpagam.edu.in
3	Name of Principal	Dr. Manimaran P
	Exact Designation	Principal
	Phone number with STD code	0422 – 3502440
	FAX number with STD code	-
	Mobile No.	9486730631
	Email	principal@karpagamtech.ac.in
4	Name of the affiliating University	Anna University
	Address	Sardar Patel Road, Guindy, Chennai - 600 025

5. Governance

5.1 Governing Council

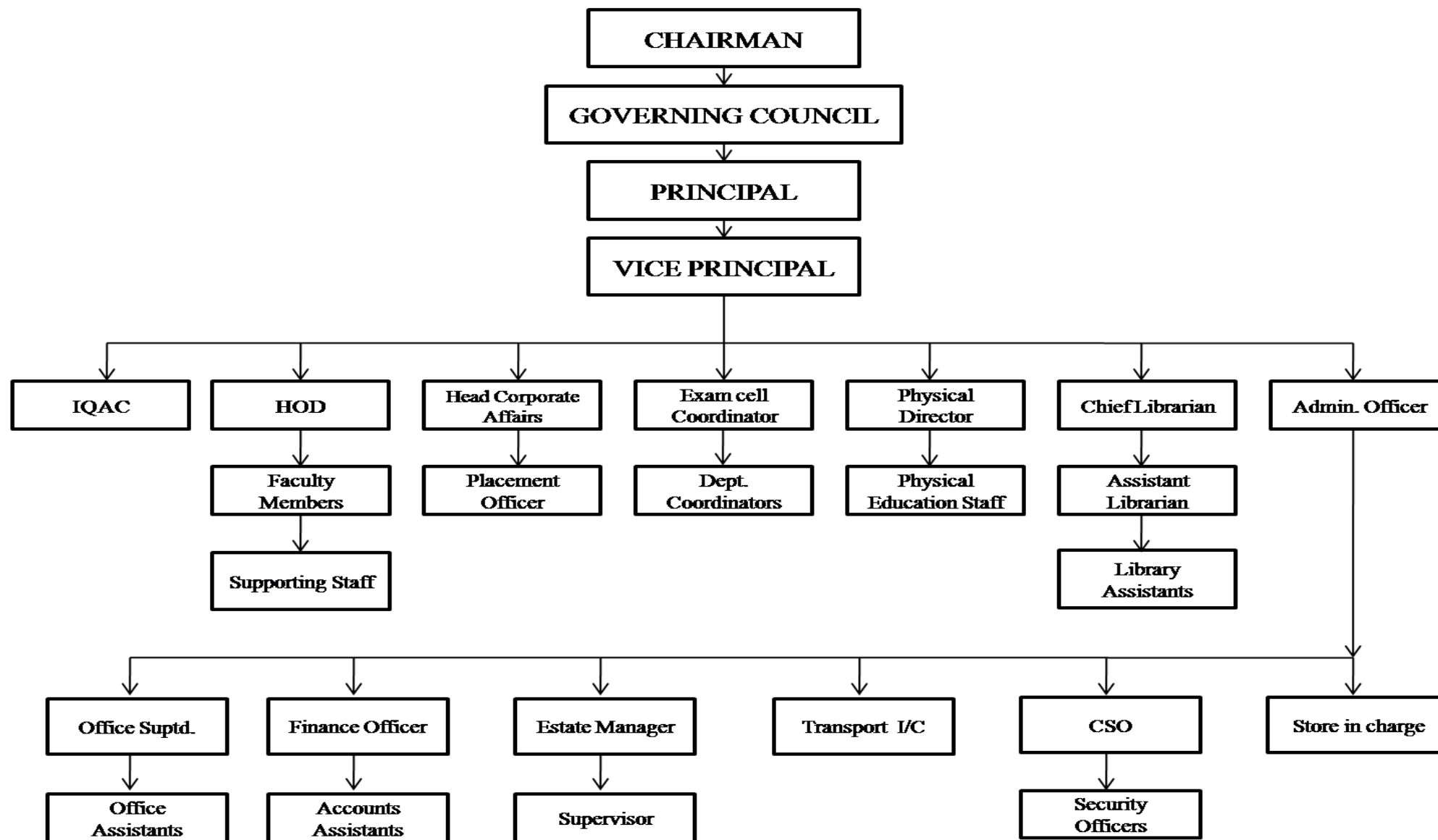
1.	Chairman	Dr.R.Vasanthakumar 14A, LIC Colony. SIDCO Industries Estate, Coimbatore - 641021
2.	Member (Trust Nominee)	Mrs.V.Damayanthi 14A, LIC Colony. SIDCO Industries Estate, Coimbatore - 641021
3.	Member (Trust Nominee)	Mr.V.Karthick 14A, LIC Colony. SIDCO Industries Estate, Coimbatore - 641021
4.	Member (Trust Nominee)	Mr.K.Murugaiah New No.1056, LIC Colony, SIDCO Industries Estate, Coimbatore - 641021
5.	Member (Industrial Expert)	Mr.G.Subburaj 5A-1, 4th Street, Chinthamani Nagar, Saibaba Colony, K.K.Pudur, Coimbatore, Tamil Nadu – 641018
6.	Member (Anna University Nominee)	Dr.S.Usa New No.3, Old No.14, Sachidhanandha nagar II Cross Street, Seshadripuram Velachery, Chennai – 42
7.	Member (AICTE Nominee)	Southern Regional Officer AICTE – Southern Regional Office, ‘Shastri Bhavan’, 26, Haddows Road, Nungambakkam, Chennai – 600 006
8.	Member (DOTE Nominee)	Dr.V.Geetha Professor, Government College of Engineering - Salem, Bangalore Highways, Salem, Tamil Nadu-636 011.
9.	Member (Faculty)	Dr.V.J.Arulkarthick Professor/ECE Karpagam Institute of Technology
10.	Member (Faculty)	Dr.S.Padmanaban Professor/S&H Karpagam Institute of Technology
11.	Member (Trust - Nominee)	Dr.D.Bhanu No.7,Nakshatra Gardens,Vivekananda Salai Maniyakarampalayam, Coimbatore
12.	Member Secretary	Dr.P.Manimaran Principal Karpagam Institute of Technology

5.2 Planning and Monitoring Board

S. No.	Name and Address of the Member	Designation
1.	Dr. P. Manimaran Principal Karpagam Institute of Technology	Convener
2.	Dr. D. Bhanu Vice Principal Karpagam Institute of Technology	Member
3	Dr. S. Gopinath Professor and Head Department of ECE Karpagam Institute of Technology	Member
4.	Dr. S. Padmanaban Professor/S&H	Member

5.	Dr. D. Nirmal Professor Department of ECE Karunya Institute of Technology and Sciences Coimbatore	Academic Expert
6.	Mr. R. Y. Sudhir CFD Engineer Faurecia Clean Mobility R & D Centre Bangalore	Industry Expert
7.	Er. G. R. Vijayashankar Civil Engineer	Member (Representing Professional Service)

5.3 Organizational Chart and Processes



5.4 Nature and Extent of Involvement of Faculty and Students in Academic Affairs / Improvements

To improve the quality and standard of the education in the institution, following councils / committees have been formed by including various stakeholders.

1. Governing Council
2. Internal Quality Assurance Cell
3. Department Advisory Committees

5.5 Mechanism / Norms and Procedure for Democratic / Good Governance

The Institution has the following mechanism for good governance

- Academic Calendar / Academic Schedule
- Planned Academic Process and Documentation Procedure
- Accounts and Financial Procedure
- Staff Attendance Biometric
- Library Management Information System
- Daily Attendance Report (Student)
- Mentor – Mentee Records
- Evaluation and Assessment procedures

5.6 Student Feedback on Institutional Governance / Faculty performance

Online feedback from the students about the performance of the teachers is taken twice in every semester and consolidated report is prepared for analysis and communicated to the staff concerned with relevant remarks. Similarly, feedbacks on facilities are collected from students during their course of study and also at the end of their course.

5.7 Grievance Redressal mechanism for Faculty and Students

Grievance Redressal committee for Faculty members and Students is available. The constitution of the committee is given below.

5.7.1 Staff Grievance Redressal Committee

S.No	Name	Designation
CONVENOR		
1	Dr. P. Mayilvel Kumar	HoD / Computer Science and Engineering
MEMBERS		
2	Dr. M.S.Gowtham	Associate Professor / Electronics and Communication Engineering

3	Ms. N.Manjubashini	Assistant Professor / Artificial Intelligence and Data Sciences
4	Mr. M. Gowtham	Assistant Professor / Electrical and Electronics Engineering
5	Mr. R. Murali Krishnan	Assistant Professor / Mechanical Engineering
6	Ms.T.Yawanikha	Assistant Professor / Information Technology
7	Mrs.N.Kasthuri	Assistant Professor / Science and Humanities
8	Mr.M.Praveen Flex	Exam Cell
9	Ms.S.Srirajeswari	Lab Technician / CSE

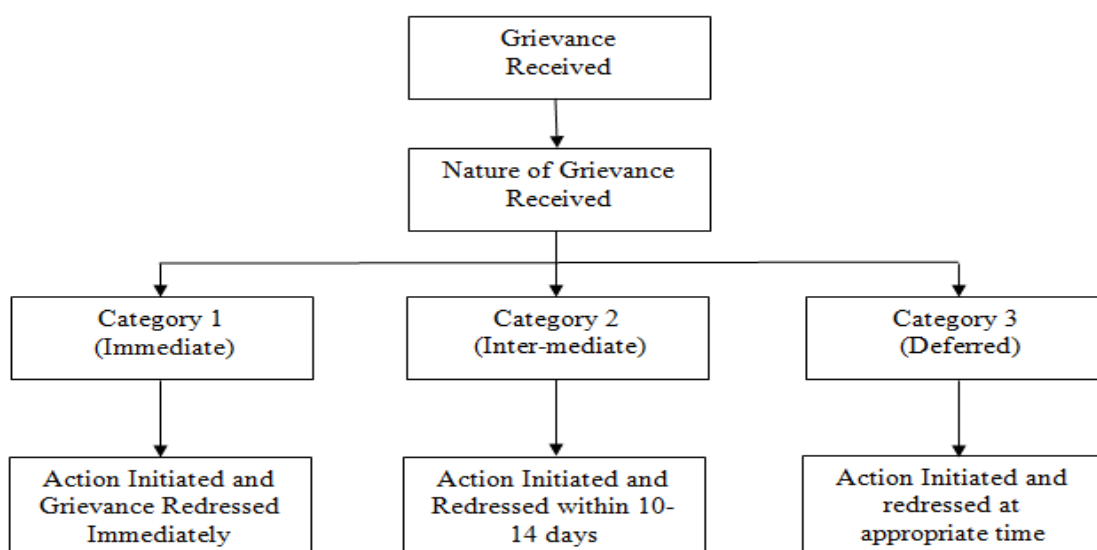
5.7.2 Student Grievance Redressal Committee

S.No	Name	Designation
CHAIRMAN		
1	Dr.P.Manimaran	Principal
CONVENOR		
2	Dr.A.Saiyathibrahim	HoD / Mechanical Engineering
Faculty Members		
3	Mr.P.N.Ramesh	Assistant Professor/ Computer Science Engineering
4	Mr.E.Veera Boopathy	Assistant Professor/ Electronics and Communication Engineering
5	Mr.M.Gowtham	Assistant Professor/ Electrical and Electronics Engineering
6	Mrs.S.Chandragandhi	Assistant Professor/ Artificial Intelligence and Data Science
7	Mr.M.Pradeep	Assistant Professor/ Mechanical Engineering
8	Mrs.M.Sudha	Assistant Professor/ Information Technology
9	Ms.Sweatha .A.R	Assistant Professor/ Science and Humanities
Student Members		
10	Guru Sharan R K	III Year CSE
11	Naveenkanth P	II Year ECE
12	Boobalan M	III Year EEE
13	Dharshini S	II Year AI & DS
14	Rahul Kumaran P	II Year Mech
15	Mugilan T	IV Year IT

5.8 Establishment of Anti Ragging Committee

S.No.	Name	Position	Category	Mobile Number	E-Mail D
1	Dr.P.Manimaran	Chairman	Principal	9486730631	principalkit@gmail.com
2	Mr.S.Murugesan	Member	Police Inspector	9443881000	madukarai_pc@yahoo.in
3	Ms.S.Neela	Member	Revenue Officer	9994203038	drotnbce@nic.in
4	Mr.A.S.Sankaranarayanan	Member	Official of NGO	9443385107	info@nmctngo.org
5	Mr.P.Sreenivasan	Member	Representatives of Parent	9942512244	pradeepasri2000@gmail.com
6	Ms.S.Karthikeyani	Member	Representatives of Student	6379543169	karthibabu1001@gmail.com
7	Ms.S.Pradeepa	Member	Representatives of Student	9942512244	pradeepasri2000@gmail.com
8	Mr.V.Suresh	Member	Representatives of Non-Teaching	9944350635	systemadmin@karpagamtech.ac.in
9	Dr.S.Padmanaban	Member	Representatives of Teaching	8428211211	padmanaban.mat@karpagamtech.ac.in

5.9 Establishment of Online Grievance Redressal Mechanism



5.10 Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

S.No	Name	Designation
CONVENOR		
1	Dr. P. Mayivel Kumar	HoD / Computer Science Engineering
MEMBERS		
2	Ms. M.S.Gowtham	Associate Professor / Electronics and Communication Engineering
3	Ms. N.Manjubashini	Assistant Professor / Artificial Intelligence and Data Sciences
4	Mr. M. Gowtham	Assistant Professor / Electrical and Electronics Engineering
5	Mr. R. Murali Krishnan	Assistant Professor / Mechanical Engineering
6	Ms.T.Yawanikha	Assistant Professor / Information Technology
7	Mrs.N.Kasthuri	Assistant Professor / Science and Humanities
8	Mr.M.Praveen Flex	Exam Cell
9	Ms.S.Srirajeswari	Lab Technician / CSE

5.11 Establishment of Internal Complaint Committee (ICC)

S.No	Name	Category	Position	Contact Number	E-Mail ID
1.	Dr.D.Bhanu	Vice Principal	Chairperson	9952717507	bhanu.saran@gmail.com
2.	Dr.C.Vimalarani	Associate Professor / IT	Member	9600972490	vimalarani@karpagamtech.ac.in
3.	Mrs.A.Lathamargatham	Assistant Professor/ Physics	Member	8072786679	latha.phy@karpagamtech.ac.in
4.	Dr.S.Godhanavalli	Psychologist	Member	9952255533	godhanavalli@ karpagamtech.ac.in
5.	Mrs.D.Anitha	Associate Professor/ Chemistry	Representative	9976069610	anitha.che@ karpagamtech.ac.in
6.	Mrs.C.Dhanalakshmi	Non Teaching	Representative	9159521748	dhanalakshmi@ karpagamtech.ac.in
7.	Mr.P.Sreenivasan	Parent	Representative	9942512244	pradeepasri2000@gmail.com
8.	Ms.B.Abirami	Student	Representative	9150537006	abhirami@gmail.com
9.	Ms.J.Kaviya	Student	Representative	9003359835	21ceca44@ karpagamtech.ac.in

5.12 Establishment of Committee for SC/ ST

Scheduled Castes (SC) and Scheduled Tribes (ST) have been identified as the two most backward groups of Indian Society. They include all the castes, races or tribes, which have been socially, economically and educationally backward. The cell has been established to support and to bring students from such communities in the main stream. The SC/ST cell of the college was started with the purpose to empower the SC/ST students in the college. The college takes special interest in facilitating financial support to students from these communities from government agencies and other sources. They are also encouraged to enrol for career orientation programs, which would equip them with the necessary skills to choose a career option.

S.No	Name	Designation
CONVENOR		
1	Mr.S.N.Vijayan	Assistant Professor/ Mechanical Engineering
MEMBERS		
2	Mr. P.Vigneshkumar	Assistant Professor/ Computer Science Engineering
3	Mr.S.Jeniton	Assistant Professor/ Electronics and Communication Engineering
4	Ms. R.Felshiya Rajakumari	Assistant Professor/ Electrical and Electronics Engineering
5	Mr.M.Nagasuresh	Assistant Professor/ Information Technology
6	Mr.M.Pradeep	Assistant Professor/ Mechanical Engineering
7	Vyshnavi.B	III Year CSE
8	A.Banuprakash	IV Year ECE
9	G. Srikanth	IV-Year EEE
10	S.Haritha	III Year AI&DS
11	Gokul.	IV Year IT
12	Mukesh.S	IV Year Mech
13	Vyshnavi.B	III Year CSE

5.13 Internal Quality Assurance Cell

IQAC functions under the guidance of the Management and Principal. IQAC ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings. The following activities are periodically reviewed

- Academic schedule planning.
- Monitoring and conducting CIA and University Exams.
- Needs for the department & budget.
- Hosting the activities of the Department and institute in website.
- Establishment of Industrial Links.
- Training and Placement offered and maintaining Placement Data base.
- Scholarship availed and admission strategies.

Sl. No	Members	Designation
1	Dr.P.Manimaran	Chairperson
2	Shri.V.Karthick	Trustee
3	Dr.D.Bhanu Vice Principal	Management Representative
4	Mr.G.Subburaj Principal Consultant Repute technologies Coimbatore	Industrial Expert
5	Mr.A.Anish Antony Managing Director Yahel Tech, Coimbatore	Alumni Member
6	Mr.P.Vishnusurya Department of Information Technology	Student Nominee
7	Dr.S.Gopinath Head, Department of Electronics and Communication Engineering	Faculty Member
8	Dr.A.Saiythibrahim Head, Department of Mechanical Engineering	Faculty Member
9	Dr.R.Nallakumar Head, Department of Artificial Intelligence and Data Sciences	Faculty Member
10	Dr.S.Padmanaban Head, Department of Science and Humanities	Faculty Member

11	Mr.P.N.Ramesh Assistant Professor, Department of Computer Science and Engineering	Faculty Member
12	Mr.V.Dineshbabu, Assistant Professor, Department of Information Technology	Faculty Member
13	Dr.V.J.Arulkarthick	Coordinator, IQAC
14	Mr. M.Murugesan	Co-coordinator, IQAC

6. Programmes

6.1 Name of the Programmes Approved by AICTE

Under Graduate Programmes

- B.E. Computer Science and Engineering
- B.E. Electronics and Communication Engineering
- B.E. Electrical and Electronics Engineering
- B.E. Mechanical Engineering
- B.Tech. Information Technology
- B.Tech. Artificial Intelligence and Data Science

6.2 Name of the Programmes Accredited by NBA

- B.E. Computer Science and Engineering
- B.E. Electronics and Communication Engineering
- B.Tech. Information Technology

6.3 Status of Accreditation of the courses

6.3.1 Total number of courses – 06 Courses

6.3.2 Number of courses Accredited by NBA - 03 Courses

Sl. No	Name of the Course	Accreditation Status	Accreditation letter Reference No. Date
UG Courses			
1	B.E. Computer Science and Engineering	Accredited	F.No.-33-453 –2022 NBA / 14.12.2022
2	B.E. Electronics and Communication Engineering	Accredited	F.No.-33-453 –2022 NBA / 14.12.2022
3	B.Tech. Information Technology	Accredited	F.No.-33-453 –2022 NBA / 14.12.2022

6.4. For each Programme the following details are to be given

Name of the Dept	No of Seats	Duration	Academic Year	Cut off Marks	OC	BC	MBC	SC / ST	Fee	
									GQ	MQ
B.E.CSE	63	4 Years	2021-22	Max	188.50	179.50	178.50	173.50	50000	90000
				Min	179.50	171.00	172.50	164.50		
B.E.ECE	126	4 Years	2021-22	Max	186.50	173.00	177.53	172.50	50000	90000
				Min	173.00	158.50	107.50	153.00		
B.E.EEE	57	4 Years	2021-22	Max	174.00	168.50	167.00	167.00	50000	90000
				Min	169.00	154.00	154.50	132.00		
B.E. MECH	50	4 Years	2021-22	Max	173.00	159.50	159.50	159.00	50000	90000
				Min	162.00	135.50	136.00	139.00		
B.Tech.IT	63	4 Years	2021-22	Max	185.50	179.50	179.50	180.50	50000	90000
				Min	180.50	168.50	145.50	145.00		
B.Tech. AI&DS	62	4 Years	2021-22	Max	184.50	178.50	177.00	176.50	50000	90000
				Min	178.50	143.00	170.50	163.00		

6.5 Campus Placement in Last Three Years with Minimum Salary, Maximum Salary and Average Salary

Name of the Dept	No of Companies Visited	Campus Placement in last three years with Minimum Salary, Maximum Salary and Average Salary in LPA								
		2021 – 22			2020 – 21			2019 - 20		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
CSE	85	9.50	2.50	2.75	5.00	2.00	2.75	6.00	1.75	2.25
IT	85	5.40	2.00	2.75	4.00	2.15	2.50	4.25	1.75	2.25
ECE	71	5.50	2.00	2.50	4.00	1.75	2.25	4.00	1.75	2.00
EEE	36	-	-	-	2.00	2.00	2.00	2.50	1.80	2.00
MECH	44	2.50	2.00	2.00	2.00	2.00	2.00	7.00	2.00	2.15

7. Faculty

7.1 & 7.2 Branch wise list Faculty members (Academic Year 2021-22)

Sl. No	Name of the Faculty	Designation	Qualification
COMPUTER SCIENCE AND ENGINEERING			
1	Dr.A.Sabanayagam	Professor	Ph.D.
2	Dr.S.Sharavanan	Professor	Ph.D.
3	Dr.R.Manikandan	Professor	Ph.D.
4	Dr.P.Mayil Vel Kumar	Associate Professor	Ph.D.
5	Mrs.K.Kalaiselvi	Assistant Professor	M.E.
6	Mr.P.N.Ramesh	Assistant Professor	M.E.
7	Mrs.S.Bhuvaneshwari	Assistant Professor	M.E.
8	Mr.C.Karthikeyan	Assistant Professor	M.E.
9	Mr.P.N.Vaitheeswaran	Assistant Professor	M.E.
10	Ms.L.Nithya	Assistant Professor	M.E.
11	Mrs.C.Kalpana	Assistant Professor	M.E.
12	Mrs.N.Suganya	Assistant Professor	M.E.
13	Mr.K.Sriramkumar	Assistant Professor	M.E.
14	Mr.P.Vigneshkumar	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
ELECTRONICS AND COMMUNICATION ENGINEERING			
1	Dr.V.J.Arulkarthick	Professor	Ph.D.
2	Dr.S.Gopinath	Professor	Ph.D.

3	Dr.N.Suma	Professor	Ph.D.
4	Dr.P.Rajkumar	Professor	Ph.D.
5	Dr.M.S.Gowtham	Associate Professor	Ph.D.
6	Dr.S.Syedjamaesha	Associate Professor	Ph.D.
7	Dr.T.Manojkumar	Associate Professor	Ph.D.
8	Mrs.H.Indrapriyadarshini	Assistant Professor	M.E.
9	Mr.A.Manikandan	Assistant Professor	M.E.
10	Mr.A.G.Paranthaman	Assistant Professor	M.E.
11	Mrs.C.Nivedityaa	Assistant Professor	M.E.
12	Mr.K.Ashokkumar	Assistant Professor	M.E.
13	Ms.S.Madhumitha	Assistant Professor	M.E.
14	Mr.K.Arun	Assistant Professor	M.E.
15	Mr.S.Selvasivasankar	Assistant Professor	M.E.
16	Mr.E.Veeraboopathy	Assistant Professor	M.E.
17	Mr.S.Pragadeswaran	Assistant Professor	M.E.
18	Mrs.B.Divyapreethi	Assistant Professor	M.E.
19	Mrs.S.Pavithra	Assistant Professor	M.E.
20	Ms.S.Gayathri	Assistant Professor	M.E.
21	Mr.S.Jeniton	Assistant Professor	M.E.
22	Mrs.M.Aiswarya	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
ELECTRICAL AND ELECTRONICS ENGINEERING			
1	Dr.G.Muruganandam	Professor	Ph.D.
2	Dr.M.Jayaprakash	Professor	Ph.D.
3	Dr.A.Rajendran	Associate Professor	Ph.D.
4	Dr.K.Muthukumar	Associate Professor	Ph.D.
5	Mr.M.Nagarajan	Assistant Professor	M.E.
6	Mr.M.Murugesan	Assistant Professor	M.E.
7	Ms.R.Felshiya Rajakumari	Assistant Professor	M.E.
8	Mrs.R.Radha	Assistant Professor	M.E.
9	Mr.K.Sabareeshwaran	Assistant Professor	M.E.
10	Mr.S.Manikandan	Assistant Professor	M.E.
11	Mr.M.Gunasekaran	Assistant Professor	M.E.
12	Mrs.R.Preetha	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
MECHANICAL ENGINEERING			
1	Dr.P.Manimaran	Professor	Ph.D.
2	Dr.S.Krishnakumar	Professor	Ph.D.
3	Dr.S.Goshteeswaran	Associate Professor	Ph.D.
4	Dr.P.Pitchandi	Associate Professor	Ph.D.
5	Dr.A.Saiyath Ibrahim	Associate Professor	Ph.D.
6	Mr.S.N. Vijayan	Assistant Professor	M.E.
7	Mr.K.P.Harshavardhan	Assistant Professor	M.E.

8	Mr.P.Prakash	Assistant Professor	M.E.
9	Mr.R.Ramesh Babu	Assistant Professor	M.E.
10	Ms.S.Karthika	Assistant Professor	M.E.
11	Mr.S.Praveendhanapal	Assistant Professor	M.E.
12	Mr.B.Manup	Assistant Professor	M.E.
13	Mr.M.Pradeep	Assistant Professor	M.E.
14	Mr.A.J.Infant Jegan Rakesh	Assistant Professor	M.E.
15	Mr.P.Thangapandian	Assistant Professor	M.E.
16	Mr.R.Murali krishnan	Assistant Professor	M.E.
17	Mr.R.Kathiravan	Assistant Professor	M.E.
18	Mr.S.Mohammed Meeran	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
INFORMATION TECHNOLOGY			
1	Dr.D.Bhanu	Professor	Ph.D.
2	Dr.B.Chella Prabha	Professor	Ph.D.
3	Dr.C.Vimalarani	Associate Professor	Ph.D.
4	Dr.A.Christopher Paul	Associate Professor	Ph.D.
5	Mr.V.Dineshbabu	Assistant Professor	M.E.
6	Ms.T.Yawanikha	Assistant Professor	M.E.
7	Mr.B.Madusudhanan	Assistant Professor	M.E.
8	Mr.D.Shyamprakash	Assistant Professor	M.E.
9	Mr.V.Arulkumar	Assistant Professor	M.E.
10	Ms.A.Mahalakshmi	Assistant Professor	M.E.
11	Mrs.M.Sudha	Assistant Professor	M.E.
12	Mr.M.Naga Suresh	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE			
1	Dr.M.Babu	Associate Professor	Ph.D.
2	Mr.J.Santhosh	Assistant Professor	M.E.
3	Mr.M.Vignesh	Assistant Professor	M.E.
4	Ms.N.Manjubashini	Assistant Professor	M.E.
5	Mrs.G. Banupriya	Assistant Professor	M.E.
6	Mrs.A. Jayalakshmi	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
SCIENCE AND HUMANITIES			
1	Dr.S.Padmanaban	Professor	Ph.D.
2	Ms.J.Logeswari	Assistant Professor	M.Phil.
3	Ms.S.Sharmilabanu	Assistant Professor	M.Phil.
4	Ms.C.Banupriya	Assistant Professor	M.Phil.
5	Dr.T.Nandhini	Assistant Professor	Ph.D.
6	Dr.S.Thenmozhi	Assistant Professor	Ph.D.
7	Ms.N.Kasthuri	Assistant Professor	M.Phil.
8	Ms.A.R.Sweatha	Assistant Professor	M.Phil.
9	MS.A.Vinitha	Assistant Professor	M.Phil.
10	Ms S.Kokila	Assistant Professor	M.Phil.
11	Dr.C.K.Kumar	Assistant Professor	Ph.D
12	Ms D.Anitha	Assistant Professor	M.Phil.

13	Dr.M.Petchiammal	Assistant Professor	Ph.D.
14	Mrs.O.A.Sridevi	Assistant Professor	M.Phil.
15	Ms.Jayanthi	Assistant Professor	M.Phil.
16	Ms.A.Lathamargatham	Assistant Professor	M.Phil.
17	Dr.P.Vidhya	Assistant Professor	Ph.D
18	Dr.C.Amuthambigai	Assistant Professor	Ph.D
19	Ms.R.Radhika	Assistant Professor	M.Phil.
20	Ms.A.P.Aparna	Assistant Professor	M.Phil.
21	Mr.R.Nareshkumar	Assistant Professor	M.Phil.
22	Mr.Rinsin S Anand	Assistant Professor	M.Phil.
23	Ms.M.Karthikeyani	Assistant Professor	M.Phil.
24	Mr.D.Vaduganathan	Assistant Professor	M.E.
25	Mrs.S.Yamini	Assistant Professor	M.E.
26	Mrs.D.Anitha	Assistant Professor	M.E.
27	Mrs.P.Megala	Assistant Professor	M.E.
28	Mr.P.Mohan	Assistant Professor	M.E.
29	Mr.A.Parameswari	Assistant Professor	M.E.
30	Ms.K.Kavithamani	Assistant Professor	M.E.
31	Mr.K.Lokesh Kumar	Assistant Professor	M.E.
32	Mr.S.Rajendran	Assistant Professor	M.E.

7.3 Permanent Faculty: Student Ratio- 1:10

8. PRINCIPAL PROFILE

1. Name of the faculty : Dr.P.Manimaran
2. Date of Birth : 15-07-1965
3. Unique ID : 1-4643747453
4. Educational Qualification : M.E., Ph.D
5. Working Experience :
 - a. Teaching : 32
 - b. Research : 6
 - c. Industry : Nil
 - d. Other : Nil
6. Area of specialization : Mechanical Engineering
7. Courses taught at Diploma :
 - a. Under Graduate :
 - b. Post Graduate : Mechanical
8. Research guide :
 - a. No. of papers published In : 57
National/Inter National
Journals/Conferences
9. Project carried out : Nil
10. Patents : Nil
11. Technology Transfer : Nil
12. Research publications : 57
13. No. of books published with details : Nil



9. Fee

9.1. Details of fee, as approved by State fee Committee

As per Proceeding No. CFF / Engineering / Fees / 029 / 2017, dated 22.06.2017 for the three academic years (From 2019-20 to 2021-22)

Sl. No	Name of the Course	Accredited - Details	Fees
1	B.E. / B.Tech. – Govt. Quota	Non - Accredited	Rs.50000/-
2	B.E. / B.Tech. – Management Quota	Non - Accredited	Rs.90000/-

9.2. Time schedule for payment of fee for the entire programme

- Within One month from the date of reopening of classes.

9.3. Number of scholarship offered by the Institutions, duration and amount

Sl. No	Year	Amount	No. of Students
1	2019-2020	5637500	158
2	2020-2021	7589500	162
3	2021-2022	7485500	175

9.4 Criteria for fee waivers / scholarship

- Management Scholarship for students based on the cut-off marks:
 - ❖ Cut off marks of above 190 – 100% Tuition fee waiver and 50% Hostel Fee waiver.
 - ❖ Cut off marks of between 185 – 189.75- 50% Tuition fee waiver and 50% Hostel Fee waiver.
 - ❖ Cut off marks of between 180 – 184.75- 50% Tuition fee waiver.

9.5 Estimated cost of boarding and Lodging in Hostels

- Rs. 5000/- per Month for both boarding and lodging.

10. Admission

10.1 Number of seats sanctioned with the year of approval

Sl. No	Course	Sanctioned Intake	
		2020 – 21	2021 – 22
1	B.E. Computer Science and Engineering	60	60

2	B.E. Electronics and Communication Engineering	120	120
3	B.E. Electrical and Electronics Engineering	60	60
4	B.E. Mechanical Engineering	60	60
5	B.Tech. Information Technology	60	60
6	B.Tech. Artificial Intelligence and Data Science	60	60

10.2 Number of Students admitted under various categories each year in the last three years

Name of the Dept	2020 - 21			2021 – 22		
	GQ	MQ	Total	GQ	MQ	Total
CSE	33	30	63	35	28	63
ECE	71	26	97	86	40	126
EEE	29	1	30	34	23	57
MECH	25	7	32	31	19	50
IT	34	29	63	35	28	63
AI & DS	33	30	63	31	21	62

10.3 Number of applications received during last two years for admission under management Quota and number admitted

Name of the Dept	2020 - 21		2021 – 22	
	MQ Application Received	MQ Students Admitted	MQ Application Received	MQ Students Admitted
CSE	41	30	39	28
ECE	35	26	52	40
EEE	7	1	32	23
MECH	13	7	27	19
IT	39	29	37	28
AI & DS	43	30	32	21

11. Admission Procedure

The institution is a self-financing institution; all the UG programmes offered are self-financed. With reference to the admission, and fee structure the AICTE regulations and guidelines of Tamil Nadu government are followed.

Website Link: www.tnea.ac.in

11.1 Admission Process

Karpagam Institute of Technology follows the Tamil Nadu Engineering Admission (TNEA) process. As per the Government of Tamil Nadu norms, 65% of the admission is done directly by the Affiliating University under Merit Category and the remaining 35% is offered to institutions as Management Quota. Admission is purely based on merit cum reservation basis.

- Government Quota - Through On line admission process as prescribed by the Government of Tamil Nadu
- Management Quota – Through Consortium of Self Financing Professional, Arts & Science Colleges in Tamil Nadu.

11.2 Publicity

Admission notification is hosted on college Website and published in leading national/ regional daily newspapers, through stalls and banners in education fairs and through Social Medias.

11.3 Transparency

The University follows on line admission (Counselling) based system to admit government quota students. Thus transparency is ensured from the stage of notification till the completion of the admission process. Students are admitted as per the rules framed by the consortium of Self Financing colleges in management quota.

11.4 Admission made through Management Quota UG Programs

For the Management Quota seats, the seats are allotted to the students as per the norms of Government of Tamil Nadu and on the basis of cut off marks.

11.5 Admission to UG Degree Course

A Pass in the HSC (Academic) or its equivalent with a minimum average percentage in Mathematics, Physics and Chemistry put together as given below.

Sl. No	Community	Minimum % of marks
1	General Category	45.00%
2	Backward class including Backward Class Muslim	40.00%
3	MBC & DNC	40.00%
4	SC / SCA / ST	40.00%

(OR)

A pass in any of the HSC (Vocational Subject) as given below with any one of the Engineering related subjects namely Mathematics, Physics or Chemistry with a minimum average percentage put together as given below.

Sl. No	Community	Minimum % of marks
1	General Category	45.00%
2	Backward class including Backward Class Muslim	40.00%
3	MBC & DNC	40.00%
4	SC / SCA / ST	40.00%

Note: A Pass with Minimum average marks in Related Subjects, Vocational Theory and Practical's put together is required

11.6 Lateral Entry Admission

The minimum eligibility marks for admission to direct second year B.E. degree courses under Lateral entry is just pass in Diploma in relevant engineering.

Sl. No	Community	Minimum % of marks
1	General Category	55.00%
2	Backward class including Backward Class Muslim	50.00%
3	MBC & DNC	45.00%
4	SC / SCA / ST	Mere Pass in the qualifying examination

11.7 SC / ST / OBC / Differently Abled / Minority Community

The community reservation is very strictly followed by the government of Tamil Nadu and the students are allotted admission through single window system. Hence the Government quota students belonging to SC/ST, OBC, Differently Abled and Minority Community find a place in the admission without even a single case of denial.

11.8 Women

Since the Government Quota follows a single window admission system based on cut off marks in the qualifying exams, there is no special preference given to women.

KIT has seen a trend of girl students joining in good numbers with the current ratio of girls to boys being above 40% : 60%

11.9 Economically Weaker Sections

In order to make engineering education affordable to the economically weaker sections, KIT management offers merit scholarship for students from both Government and Management quotas.

11.9 Merit Scholarship for Government Quota

- Cut off marks of above 190 – 100% Tuition fee waiver and 50% Hostel Fee waiver.
- Cut off marks of between 185 – 189.75- 50% Tuition fee waiver and 50% Hostel Fee waiver.
- Cut off marks of between 180 – 184.75- 50% Tuition fee waiver.

11.10 Merit Scholarship for Management Quota

Based on the scholarship test and the economic background of the student, KIT management grants scholarship.

11.11 Others (First Generation Graduate / Rural Students)

The Government of Tamil Nadu bears Rs.25,000/- of the total tuition fee payable every year by the student who is the first graduate in his/her family. To give a fair chance to the students from rural areas, Tamil Nadu Government has based the admission only on the marks scored in the qualifying examination.

12. Criteria and Weightages for Admission

12.1 UG Admission

- Applicant should appear for the consortium test conducted by self-financing association (MQ)
- For GQ-Students selection is based on merit basis through on line counselling

12.2 As per the Tamil Nadu Government norms

12.3. Refer 6.4

13. List of Applicants

- **Refer 6.4**

14. Results of Admission under Management seats / vacant seats

14.1 - The management quota students are admitted as per the norms prescribed by the association of self-financing institution and the institutional selection committee is as given below.

Sl. No	Name of the member	Designation
1	Dr.P.Manimaran	Principal
2	Dr.D.Bhanu	Vice Principal

14.2 - Merit list is provided by the association of self-financing institutions

14.3 - Selection list is provided by the association of self-financing institutions

15. Information of Infrastructure and other Resources Available

15.1.1 Number of Class Rooms and size of each

Sl. No	Room Type	No. of Units	Total Area (Sq.M)	Average Area (Sq.M.)
1	Number of Class Rooms	36	486	75
2	Number of Tutorial Rooms	13	158	41.54
3	Number of Laboratories	30	3831.43	127.71
4	Drawing Halls	1	148	148
5	Computer Centres	3	320	106.67
6	Examination Centre	1	89	89

15.1.7 Barrier Free built Environment for disabled and elderly persons

- Ramp at the entrance
- Rest room facilities
- Relocation of the Class Room to the ground floor
- Wheel Chair
- Reserved ground floor accommodation in the hostels
- Housing of facilities like office, rest rooms, food court, reprography centre, library, etc., in the ground floor

15.1.8 Hostel Facilities

Sl. No	Facility	Particulars
General Facilities		
1	Boys Hostel	256 rooms to accommodate 690 students
2	Ladies Hostel	87 rooms to accommodate 231 students
3	Hostel Mess	2
4	Hostel Office	2
5	Warden Room	2

6	Staff Hostel	9
7	24x7 Security Guard	4
8	Hostel Management	Attendance Register, Phone for parent communication, Room allocation, In & Out Register for both faculty and students
9	Purified Drinking Water	Both Boys & Girls
10	Solar Water Heaters	Both Boys & Girls
11	Laundry Service	Both Boys & Girls
Other Facilities		
1	Dispensary	1
2	24x7 on call driver and vehicle for medical emergencies	1
3	Medical Officer on call	1
4	First Aid Box	12
5	Ambulance	1
6	Library with select list of book	2
7	Wi-Fi Enabled Hostel Campus	Yes
8	Cable Connected Television in common room	2 No's

15.2 Library Facilities

Particulars	Required	Available	Deficiency %
Science & Humanities			
No. of Volumes(M1)	1000	1990	0.00
No. of Volumes addedfor the year 2022-2023(M3)	120	610	0.00
Total No. of Volumes (M1+M2+M3)	8800	22269	0.00
Overall Deficiency			0.00
Engineering			
No. of Titles(T)	1200	4750	0.00
No. of Volumes(M2)	7680	19669	0.00

15.3 List of Major Equipments

Sl. No	Name of the Laboratory	Major Equipments
Department of Electronics and Communication Engineering		
1	Analog and digital Laboratory	CRO, Signal Generator, DC Regulated Power Supply, Digital trainer kit
2	Integrated circuits Laboratory	IC tester, CRO, Signal Generator, DC Regulated Power Supply
3	Communication Systems Laboratory	Optical trainer kits, Communication Trainer kits, DSO, Function Generator, Microwave test benches
4	Signal processing Laboratory	DSP Trainer kits, FPGA Trainer kits
5	Embedded System Laboratory	ARM processor kits, Keil μ Vision, Flash Magic, Putty
6	Communication Networks Laboratory	Data Communication Trainer kits, LAN trainer kit

Sl. No	Name of the Laboratory	Major Equipments
Department of Computer Science and Engineering		
1	CV Raman & Srinivasa Ramanujan Laboratory	Computers:70, Printers:3, Scanner, Switch, LCD with Screen, UPS
2	Aryabhata & Vishwakarma Laboratory	Computers:70, Printers:3 Switch, LCD with Screen UPS
3	Computer Science Research Laboratory	Computers:15, Printers:1 Switch, LCD with Screen
4	Repute Powered Application Development Laboratory	Computers:25, Printers:1 Switch, LCD with Screen

Sl. No	Name of the Laboratory	Major Equipments
Department of Electrical and Electronics Engineering		
1	Control and Instrumentation Laboratory	DC Servomotor, AC Servomotor, AC and DC position control with DC servomotor, Stepper Motor, Linear system simulator, Digital storage oscilloscope, AC Synchro transmitter & Receiver, LVDT
2	Engineering Practices Laboratory	CRO, Digital Laser Range Finder, Digital Live wire Detector, Single phase auto transformer, Function generator, DC Dual RPS, Digital IC Trainer kit
3	Renewable Energy Systems Laboratory	PV panels (100W, 24V)
4	Electrical Machines Laboratory	DC Shunt Motor, DC Compound Motor, DC Series Motor, DC Shunt Motor coupled with 3 kw DC compound machine with starter, DC

		Shunt Motor coupled with 2 kw DC Shunt Generator with 3 point starter, Slip ring Induction Motor with loading arrangement, Single phase 240 V, 120 RPM with loading arrangement and starter, squirrel cage motor with loading arrangement
5	Power Electronics Laboratory	SCR, TRIAC, MOSFET & IGBT Characteristics, AC to DC Half and Full Converter, MOSFET & IGBT PWM Inverter

Sl. No	Name of the Laboratory	Major Equipments
Department of Mechanical Engineering		
1.	Fluid Mechanics Laboratory	Orifice meter setup and Venturi meter setup, closed Circuit Test Rig, Rota meter setup, Pipe Friction test rig, Centrifugal pump test rig, Reciprocating pump test rig, Gear pump setup, Pelton wheel turbine test rig, Francis turbine test rig, Kaplan turbine test rig, Heleshaw Model Apparatus, Jet Pump test Rig, Gear Pump test rig,
2.	CAD/CAM Laboratory	CNC Lathe trainer kit, CNC milling machine trainer kit, CAD/CAM Software- EDGE CAM software, Educational license 2012,
3.	Thermal Engineering Laboratory	Cut Section Model Of Two-Stroke Petrol Engine, Parallel Flow And Counter Flow Heat Exchanger, Gas Turbine Engine Study Model, Thermal Conductivity Of Metal Bar/Rod Apparatus, Heat Transfer Through Composite Wall Apparatus, Cut Section Model Of Four Stroke Diesel Engine, Four Stoke Twin Cylinder Diesel Engine Test Rig, Redwood Viscometer, Vapour Compression Refrigeration Test Rig, Vapour Compression Air Conditioning Test Rig, Air Blower Test Rig Multi Cylinder Four Stroke Petrol Engine-Test Rig, Cleveland Flash And Fire Point Apparatus (Open Cup), Pensky Marten's Flash And Fire Point Apparatus (Closed Cup), Two Stage Air Compressor – Test Rig, Thermal Conductivity Of Guarded Hot Plate Method Apparatus, Heat Transfer Through Lagged Pipe Apparatus, Heat Transfer In Natural Convection Apparatus. Pin Fin Apparatus, Stefan-Boltzman Apparatus, Emissivity Measurement Apparatus, Forced Convection Apparatus, Single Cylinder Four stroke Diesel engine test rig, Single Cylinder Four stroke Petrol engine test rig, Single Cylinder Four stroke Slow Speed Diesel engine test rig,
4.	Strength of Materials Laboratory	Universal Testing Machine 40 T Capacity With Analog Accessories, Izord / Charpy Impact Testing Machine, Fatigue Testing Machine With Rotating Beam Method, Rockwell Cum Brinell Hardness Tester- 250kgf Loading, Torsion Testing Machine 20 Kgm, Spring Testing Machine 250

		Kgf Tension And Compression Test, Metallurgical Microscope, Metallographic Disc Polishing / Lapping, Machine – 10” Double Disc , Binocular Microscope With Co Axial Standard Optics ,Heat Treatment Muffle Furnace.
5.	Manufacturing Technology Laboratory	Drill machine vice (6”), Radial Drilling Machine & Accessories, Heavy Duty Shaping Machine, Shaping Machine, Shaping Machine, Heavy Duty Slotting machine, Universal Dividing Head, Tool Makers Microscope, Heavy Duty Planning Machine, Vertical Milling Machine, Horizontal Milling Machine, Cylindrical Grinding Machine, Surface Grinding Machine, Centreless Grinding Machine, Capstan and Turret lathe, Radial Drilling Machine, Gear Hobbing Machine, Tool & Cutter Grinder, Bench Grinder, Centre Lathe, Power Hacksaw Machine, Vernier calliper (0-200mm), Vernier calliper (0-150mm),
6.	Kinematics and Dynamics Laboratory	Simple Gear Train, Compound Gear Train, Epicyclic Gear Train, Differential Gear Train, Slider Crank Mechanisms, Crank Rocker Mechanisms, Kinematic Models Of Single And Double, Universal Joints, Fly Wheel And Axle System, Connecting Rod and Fly Wheel , Transverse Vibration free beam, Turn Table Apparatus, Bifilar Suspension and Compound Pendulum, Compound Pendulum and Fly wheel System, Motorized Gyroscope, Universal Governor, Cam Profile Analyzer, Spring Mass System, Single And Double Rotor Systems, Vibration Absorber, Whirling Of Shafts, Balancing Of Rotating Masses Setup, Balancing Of Reciprocating Masses Setup, Vibrating system – Spring mass system, Free, Forced torsional vibration setup, Kinematics of Oscillating cylinder Mechanism, Forced Vibration Of Cantilever Beam Setup, Vibrating Table, F.F.T. Analyzer, Dynamic Balancing Machine.
7.	Metrology and Measurements Laboratory	Micrometer 25 mm, Vernier Caliper 300 mm, Vernier Height Gauge 300 mm, Vernier depth Gauge, Slip Gauge Set 112 Pieces Gear Tooth Vernier, Sine Bar 200 mm, Sine Bar, Bevel Protractor, Sine Centre, Floating Carriage Micrometer, Tool Makers Microscope, Mechanical Comparator, Pneumatic Comparator, Electrical Comparator, Autocollimator, Temperature Measuring Setup, Displacement Measuring Setup, Force Measuring Setup Torque Measuring Setup, Vibration/Shock Measuring Setup, Profile Projector.
8. 1	Mechatronics Laboratory	electro Pneumatic Trainer Kit, PLC controlled pneumatic Trainer Kit, Servo control interfacing for D.C. motor, PID controller setup, Stepper motor interface with 8051 microcontroller, Lab view for 10 users, Design & testing of fluid power circuits, Computerised data logging system for pressure flow & temperature. Air compressor.
9.	Engineering Practices Laboratory	Arc Welding Machine.

Sl. No	Name of the Laboratory	Major Equipments
Department of Information Technology		
1	Bhaskaracharya & Subramanyan Chandrasekar Laboratory	70 Systems, LCD with Screen, 7 Printers, Scanner, Switch, UPS
2	Brahmagupta & Vikram Sarabhai Laboratory	70 Systems, LCD with Screen, 7 Printers, Switch, UPS
3	IT Research & Project Laboratory	40 Systems, LCD with Screen, 1 Printers, Switch

Sl. No	Name of the Laboratory	Major Equipments
Department of Artificial Intelligence and Data Science		
1	Elon Musk Laboratory	70 Systems, 7 Printers, LCD with Screen, Switch UPS

Sl. No	Name of the Laboratory	Major Equipments
Department of Science and Humanities		
1	Communication skill Laboratory	Computers, Printers, Software, Video camera, Headphone with Mic and LCD projector
2	Chemistry Laboratory	Conductometer, pectro photometer, Flame photometer, PH meter, Electronic balance, De-ionizer, Hot air oven, Demineralisation plant Hotplate and Bomb calorimeter
3	Physics Laboratory	Spectrometer, Ultrasonic inter interferometer, Travelling microscope, Laser Source, Torsional Pendulum and Air Wedge apparatus

15.4 Computing Facilities

Sl. No	Particulars	Available No's
1	Internet Bandwidth	300Mbps
2	Number and Configuration of System	560
3	Total number of system Connected by LAN	560
4	Total number of system connected by WAN	250
5	Major Software Packages Available	Yes
6	Printer Facilities available	42
7	Projector facilities available	Available
8	WIFI facilities available	Available
9	Special purpose facilities available (Conduct of Online Meetings / Webinars / Workshops, etc.)	Available
10	Facilities for Conduct of Classes in Online Mode (Theory & Practical)	Available

15.4.1 Innovation Cell

- Responsible for research and innovation activities
- Review and approval of patent applications
- Review and approval of students/faculty project proposals for funding
- Review of final year students' projects
- Organizing idea contests
- Counselling faculty for pursuing PhD Programs
- Establishing and managing University Approved Research Centres
- Coordinating with funding agencies for research programs
- Conducting skill development and outreach programs funded by external agencies

15.4.2 Social Media Cell

The Media Club of Karpagam Institute of Technology is responsible for handling and nurturing the image of brand KIT in the eyes of all the stakeholders and to debate the students in this field and finding out one's self creation in a certain domain thereby extending their learning. It works in the direction of amplifying the brand equity of KIT and reverberates the successful growth of the institute and also this develops knowledge and their internal power and imagination by showcasing the photos with what elements to exclude, what angle to frame the photo, to express an impression of an objects in a subjective form.

The Media Club acts as a bridge between KIT fraternity and the external world encompassing the neighboring communities of KIT, the media and the general public. The team is involved in developing and maintaining a positive reputation with the public through various forms of communication- be it the traditional media or the new age digital media. Media Club of KIT aims to increase the visibility of KIT on different digital media platforms, like Face book, Instagram, LinkedIn, YouTube, Twitter and other allied social media and posting platforms for effective positioning and enhancing the brand image of KIT.

Team Media Club also holds the responsibility for adding relevant content like banners for achievements in Competitions and updating the KIT website with the latest happenings on the campus. Being the media interface, the team collaborates with all the other clubs, and covers their events and activities. All the communication regarding the external events, activities, and participation from the institute in the same also falls under the purview of the committee.

15.5 List of Facilities Available

15.5.1 Games and Sports Facilities

➤ Total Open Ground Area: 180*167=30060 Sq.m

Description	Nos	Area (Sq.m)	Size
Sports			
400m track	1	15400	175*88
Long jump	1	30	3*10(pit)
		48.8	1.22*40(Run Way)
Triple jump	1	30	3*10(Pit)
		48.8	1.22*40(Run Way)
High jump	1	24	6*4
Shot put	1	6.71	2.135(diameter)
Javelin throw	1	120	4*30(Run way)
Hammer throw	1	6.71	2.135(diameter)
Discus throw	1	7.85	2.50(diameter)
Indoor Games			
Table tennis	3 Boards	12.5355	2.74*1.525
Chess	3 Boards	-	-
Carrom	3 Boards	-	-
Bad Minton		81.74	13.40*6.10
Outdoor Games			
Cricket Ground	1	18200	-
Football field	1	60000	100*60
Handball Court	1	800	40*20
Hockey field	1	5032.5	91.40*55

Volley ball court	3	486	18*9
Kabaddi Court	1	130	13*10
Ball Badminton Court	1	288	24*12
Throw ball Court	1	223.26	18.30*12.20
Kho-Kho	1	464	29*16
Basket ball	1	420	28*15

15.5.1.1 GYM

Description	No's
Weight lifting Olympic rod	4
Normal bench presser rod	5
Zig-Zag bench presser rod	3
Dumbbell sets	26 sets
Elliptical	1
Abdominal king	1
Hydraulic bench	1
Pressure and Squad horizontal bar	1
Parallel bar	1

15.5.1.2 Yoga Center:

The College offers yoga training as means of recreational for both student and staff. Yoga training is conducted often and yoga day is celebrated students make the best use of yoga center.

15.5.1.3 Cultural Activities:

Cultural activities are conducted regularly in the college so as to understand the cultural heritage of our country. The college conducts events like Annual day and VARNAM to relish the cultural heritage. These events help students to enrich their cultural values.

15.5.2 Extra-Curricular Activities

Sl.No	Name of the student	Sports/Cultural	Team / Individual	University/State/National/International	Name of the award/medal
2021-2022					
1.	SANJAY.S	Sports	Individual	Intercollegiate	MARATHON
2.	MANOJ.K	Sports	Individual	Intercollegiate	BOXING
3.	MOHAMMED SAFHAR.A	Sports	Individual	Intercollegiate	BOXING
4.	KARTHICK KUMAR.S	Sports	Individual	Intercollegiate	BOXING
5.	SANJAY.S	Sports	Individual	Intercollegiate	MARATHON
6.	M.P.MANO BHARATH	Sports	Individual	Intercollegiate	KUMARI MINNAL SILAMBALAYAM
7.	NITHIN VINESH I.M	Sports	Individual	Intercollegiate	BRM 300KM
2020-2021					
1.	NITHIN VINESH I.M	Sports	Individual	Intercollegiate	CYCLING 1000 KM
2.	NITHIN VINESH I.M	Sports	Individual	Intercollegiate	CYCLING 100 KM
3.	NITHIN VINESH I.M	Sports	Individual	Intercollegiate	GILI CYCLING EVENT
2019-2020					
1.	M.GOKULAVASAN	Sports	INDIVIDUAL	INTERCOLLEGIATE	SHOTPUT GOLD MEDAL
2.	M.GOKULAVASAN	Sports	INDIVIDUAL	INTERCOLLEGIATE	JAVELIN THROW SILVER MEDAL
3.	M.GOKULAVASAN	Sports	INDIVIDUAL	INTERCOLLEGIATE	50M WALK GOLD MEDAL
4.	M.P.MANO BHARATH	Sports	INDIVIDUAL	INTERCOLLEGIATE	STICKFIGHT
5.	M.P.MANO BHARATH	Sports	INDIVIDUAL	INTERCOLLEGIATE	AYUTHA KORAVA JODI
6.	M.P.MANO BHARATH	Sports	INDIVIDUAL	INTERCOLLEGIATE	KAIKORVAI JODI
7.	M.P.MANO BHARATH	Sports	INDIVIDUAL	NATIONAL	SUVADU
8.	N.MAHENDRAN	Sports	INDIVIDUAL	INTERCOLLEGIATE	BRONZE MEDAL
9.	S.SUDHARSAN	Sports	INDIVIDUAL	INTERCOLLEGIATE	20KM WALK BRONZE MEDAL
10.	T.VINITHA	Sports	INDIVIDUAL	INTERCOLLEGIATE	5KM WALK PRONZE MEDAL

11.	S.SUDHARSAN	Sports	INDIVIDUAL	INTERCOLLEGIATE	20KM WALK SILVER MEDAL
12.	A.R.AATHIRA	Sports	TEAM	INTERCOLLEGIATE	BRONZE MEDAL
13.	K.AMIRTHA VARSHINI	Sports	TEAM	INTERCOLLEGIATE	BRONZE MEDAL
14.	M.VEDA SRUTI	Sports	TEAM	INTERCOLLEGIATE	BRONZE MEDAL
15.	P.LOGESHWARAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL RUNNER
16.	GOKULA KRISHNAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
17.	S.VIGNESH	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
18.	BLESSEN CHERESH.C	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
19.	P.MURUGAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
20.	ESWARAMOORTHY	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
21.	G.VIJAYABASKERA N	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
22.	RISHIKUMAR	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
23.	SANTHOSH.E	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
24.	DEEPAK RAJA.K	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
25.	KISHORE KUMAR.T	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
26.	NITHICH.G	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
27.	K.S.SELVAMUTHUK UMAR	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO -RUNNER
28.	K.KAVIRAJ	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
29.	PRASANNA KUMAR	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
30.	K.JEEVANATHAM	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
31.	M.SANTHOSH KUMAR	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
32.	M.VINOTH	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
33.	SUJITH KUMAR	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
34.	G.KANNAN	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
35.	M.ESWARA MOORTHY	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO

36.	S.ASWINKUMAR	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
37.	C.NAVEENKUMAR	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
38.	S.VIGNESH	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
2018-2019					
1.	VEDASRUTIM	Sports	TEAM	ZONAL	TABLE TENNIS
2.	A.R.AATHIRA	Sports	TEAM	ZONAL	TABLE TENNIS
3.	AMIRTHA VARSHINI K	Sports	TEAM	ZONAL	TABLE TENNIS
4.	KEERTHANA V	Sports	TEAM	ZONAL	TABLE TENNIS
5.	PREETHI MISPHA A	Sports	TEAM	ZONAL	TABLE TENNIS
6.	SAI KRISHANA	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK RUNNER
7.	PRASATH	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
8.	KARTHIKEYAN	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
9.	MANIBHARATHI	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
10.	ANDREW SAM JEBERSON	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
11.	MUTHU BHARATHI	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
12.	GANESG	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
13.	NAVEEN KUMAR	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
14.	JAGADEESH	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
15.	ISSAC	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
16.	GOKULA	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
17.	SHAKTH	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
18.	S.SUDHARSHAN	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
19.	SOUNDAR	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
20.	S.GURUDEVAN	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
21.	NAVANEETH	Sports	TEAM	INTERCOLLEGIATE	CRICKET-PARK
22.	H.JOSE ATLAN LAZARUS	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
23.	J.GOWRI SHYAM	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE

24.	R.GUHAN	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
25.	D.S.AKIL	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
26.	SANTHESH	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
27.	M.SATHIS	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
28.	MONISH	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
29.	J.SIVAKUMAR	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
30.	S.MUTHUBALAN	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
31.	VIJAY PRABHU	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL -PARK III PLACE
32.	SARAVANAN	Sports	TEAM	INTERCOLLEGIATE	BALL BADMINDON- PARK WINNER
33.	R.RANJITH	Sports	TEAM	INTERCOLLEGIATE	BALL BADMINDON- PARK WINNER
34.	K.KAVIN KUMAR	Sports	TEAM	INTERCOLLEGIATE	BALL BADMINDON- PARK WINNER
35.	N.DEENESH KANNAN	Sports	TEAM	INTERCOLLEGIATE	BALL BADMINDON- PARK WINNER
36.	K.DEEPAK RAJA	Sports	TEAM	INTERCOLLEGIATE	BALL BADMINDON- PARK WINNER
37.	D.KANNI MUTHU	Sports	TEAM	INTERCOLLEGIATE	BALL BADMINDON- PARK WINNER
38.	P.GOKUL	Sports	TEAM	INTERCOLLEGIATE	BALL BADMINDON- PARK WINNER
39.	SAI KRISHANA	Sports	TEAM	INTERCOLLEGIATE	BALL BADMINDON- PARK WINNER
40.	N.R.AJITHKUMAR	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL IV PLACE
41.	R.AJITHKUMARAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
42.	SATHEES KUMAR	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
43.	T.PRADEEP	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
44.	S.VIGNESH	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
45.	E.GOKULA KRISHNAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
46.	P.LOGESHWARAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
47.	R.MURUGAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
48.	K.DEEPAK RAJA	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL

49.	V.KOKULANATH	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
50.	C.BLESSON CHERESH	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
51.	R.RAGAVENDHIRAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
52.	H.JOSE ATLAN LAZARUS	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL III PLACE
53.	J.GOWRI SHYAM	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
54.	R.GUHAN	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
55.	D.S.AKIL	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
56.	SANTHESH	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
57.	M.SATHIS	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
58.	MONISH	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
59.	VIJAY PRABHU	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
60.	ISSAC	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
61.	SOUNDAR	Sports	TEAM	INTERCOLLEGIATE	FOOT BALL
62.	J.SIVAKUMAR	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO RUNNER
63.	S.MUTHUBALAN	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
64.	UDHAYAPRAKESH.S	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
65.	M.ABINESH	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
66.	K.ARAVINDHAN	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
67.	A.PERIVAKARUPPU	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
68.	M.MUKESH KANNAN	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
69.	A.ARJUN	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
70.	J.JAYARAJ	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
71.	R.HAARISH	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
72.	VIJAYAPRAKASH.S	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO
73.	NITHISH.P	Sports	TEAM	INTERCOLLEGIATE	KHO-KHO

74.	VEDASRUTI.M	Sports	TEAM	ZONAL	TABLE TENNIS
75.	A.R.AATHIRA	Sports	TEAM	ZONAL	TABLE TENNIS
76.	AMIRTHA VARSHINI K	Sports	TEAM	ZONAL	TABLE TENNIS
77.	KEERTHANA V	Sports	TEAM	ZONAL	TABLE TENNIS
78.	PREETHI MISPHA A	Sports	TEAM	ZONAL	TABLE TENNIS
2017-2018					
1.	KATHIRVEL S	Sports	INDIVIDUAL	MAC	STICKFIGHT
2.	KATHIRVEL S	Sports	INDIVIDUAL	MAC	OTTRAIKAMBU
3.	DINESH M	Sports	INDIVIDUAL	ZONAL LEVEL	SHOT PUT BRONZE MEDAL
4.	M.VEDA SRUTI	Sports	TEAM	ZONAL LEVEL	BRONZE MEDAL
5.	A.R.AATHIRA	Sports	TEAM	ZONAL LEVEL	BRONZE MEDAL
6.	B.KEERTHANA	Sports	TEAM	ZONAL LEVEL	BRONZE MEDAL
7.	S.SARAVANA KUMAR	Sports	TEAM	INTERCOLLEGIATE	BRONZE MEDAL
8.	S.KATHIRVEL	Sports	TEAM	INTERCOLLEGIATE	BRONZE MEDAL
9.	R.MANIKANDAN	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
10.	MUTHU BHARATHI	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
11.	GOGUL.P	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
12.	MAHENDRAN	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
13.	S.JOHNSON RAJA	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
14.	K.VISHNU RAJ	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
15.	S.SAI KRISHNAN	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
16.	YESHWANTH.S	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
17.	M.PRASATH	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
18.	K.GANESH	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
19.	U.BALAJI	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT

20.	S.KARTHIKEYAN	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
21.	JAYA KUMAR.B	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
22.	VIJAY.V	Sports	TEAM	STATE LEVEL COLLEGIATE	COIMBATORE CRICKET TOURNAMENT
23.	G.RAGHU PATHI	Sports	TEAM	INTERCOLLEGIATE	KABADI RUNNER
24.	R.GOWTHAM	Sports	TEAM	INTERCOLLEGIATE	KABADI
25.	S.RAVIVARMAN	Sports	TEAM	INTERCOLLEGIATE	KABADI
26.	R.DHAYALAN	Sports	TEAM	INTERCOLLEGIATE	KABADI
27.	A.ARUN PANDI	Sports	TEAM	INTERCOLLEGIATE	KABADI
28.	M.SATHEES	Sports	TEAM	INTERCOLLEGIATE	KABADI
29.	S.SUNDAR	Sports	TEAM	INTERCOLLEGIATE	KABADI
30.	M.MANOJ PRABAKARAN	Sports	TEAM	INTERCOLLEGIATE	KABADI
31.	G.SURYA	Sports	TEAM	INTERCOLLEGIATE	KABADI
32.	D.KANNI MUTHU	Sports	TEAM	INTERCOLLEGIATE	KABADI
33.	S.SIVA KUMAR	Sports	TEAM	INTERCOLLEGIATE	KABADI
34.	R.P.PERUMAL	Sports	TEAM	INTERCOLLEGIATE	KABADI
35.	GOKULNATH V	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
36.	M.DINESH	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
37.	M.BHAVEEN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
38.	M.SANGEETH	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
39.	J.SATHEES KUMAR	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
40.	P. NITHIYANANTHAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
41.	R.AJITHKUMARAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
42.	P.LOGESHWARAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
43.	K.DEEPAK RAJA	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
44.	V.GOKULA KRISHANAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL

45.	C.BLESSON CHERESH	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
46.	K.PANNER SELVAN	Sports	TEAM	INTERCOLLEGIATE	VOLLEY BALL
47.	M.PRASANNA KUMAR	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
48.	K.S.SELVAMUTHUK UMAR	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
49.	M.VINOTH	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
50.	S.KARTHIKEYAN	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
51.	K.KAVIRAJ	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
52.	M.SANTHOSH KUMAR	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
53.	S.JEEVA	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
54.	S.HARIGOVIND	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
55.	S.ASWINKUMAR	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
56.	KALISHWARAN G	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL
57.	VIGNESH R	Sports	TEAM	INTERCOLLEGIATE	BASKETBALL

15.5.3 Soft Skill Development Facilities

- The training and placement cell plays a main role in providing necessary rigorous training to all students to enable them to acquire the basic skills for recruitment. Various training programmes are organized to train the students in the areas of aptitude, quantitative reasoning, logical reasoning, and verbal through the experienced and trained members of the faculty.
- There is an exclusive Training and placement Cell is there with all necessary facilities like Seminar hall, Interview halls, Group Discussion Halls, Interview Panels to conduct the placement activity in a smooth manner.
- There is a separate computer lab is there for placement cell alone. An auditorium with 400 seating capacity for conducting pre-placement talks and other activities.
- Facility is created to take test through online mode.

15.6 Teaching Learning Planning

15.6.1 Curriculum and Syllabus for each Program



ANNA UNIVERSITY, CHENNAI
NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM

B.TECH. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

I. PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates can

1. Utilize their proficiencies in the fundamental knowledge of basic sciences, mathematics, Artificial Intelligence, data science and statistics to build systems that require management and analysis of large volumes of data.
2. Advance their technical skills to pursue pioneering research in the field of AI and Data Science and create disruptive and sustainable solutions for the welfare of ecosystems.
3. Think logically, pursue lifelong learning and collaborate with an ethical attitude in a multidisciplinary team.
4. Design and model AI based solutions to critical problem domains in the real world.
5. Exhibit innovative thoughts and creative ideas for effective contribution towards economy building.

II. PROGRAM OUTCOMES (POs)

PO# Graduate Attribute

- 1 **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2 **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.
- 3 **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.
- 4 **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.
- 5 **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.
- 6 **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.
- 7 **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.

- 8 **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9 **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10 **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.
- 11 **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.
- 12 **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.

III. PROGRAM SPECIFIC OUTCOMES (PSOs)

Graduates should be able to:

1. evolve AI based efficient domain specific processes for effective decision making in several domains such as business and governance domains.
2. arrive at actionable Foresight, Insight, hindsight from data for solving business and engineering problems
3. create, select and apply the theoretical knowledge of AI and Data Analytics along with practical industrial tools and techniques to manage and solve wicked societal problems
4. develop data analytics and data visualization skills, skills pertaining to knowledge acquisition, knowledge representation and knowledge engineering, and hence be capable of coordinating complex projects.
5. able to carry out fundamental research to cater the critical needs of the society through cutting edge technologies of AI.

PROGRESS THROUGH KNOWLEDGE

ANNA UNIVERSITY, CHENNAI
NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
B.TECH. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
CHOICE BASED CREDIT SYSTEM
CURRICULA FOR SEMESTERS I TO VIII AND SYLLABI FOR SEMESTERS I TO IV
SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3151	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory \$	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

\$ Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3251	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3256	Physics for Information Science	BSC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	AD3251	Data Structures Design	PCC	3	0	0	3	3
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1 [#]	-	2	0	0	2	2 [#]
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	AD3271	Data Structures Design Laboratory	PCC	0	0	4	4	2
11.	GE3272	Communication Laboratory / Foreign Language ^{\$}	EEC	0	0	4	4	2
TOTAL				17	1	16	34	26

NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

\$ Skill Based Course

SEMESTER III

SEMESTER III								
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3354	Discrete Mathematics	BSC	3	1	0	4	4
2.	CS3351	Digital Principles and Computer Organization	PCC	3	0	2	5	4
3.	AD3391	Database Design and Management	PCC	3	0	0	3	3
4.	AD3351	Design and Analysis of Algorithms	PCC	3	0	2	5	4
5.	AD3301	Data Exploration and Visualization	PCC	3	0	2	5	4
6.	AL3391	Artificial Intelligence	PCC	3	0	0	3	3
PRACTICALS								
7.	AD3381	Database Design and Management Laboratory	PCC	0	0	3	3	1.5
8.	AD3311	Artificial Intelligence Laboratory	PCC	0	0	3	3	1.5
9.	GE3361	Professional Development ^{\$}	EEC	0	0	2	2	1
TOTAL				18	1	14	33	26

^{\$} Skill Based Course

SEMESTER IV

SEMESTER IV								
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3391	Probability and Statistics	BSC	3	1	0	4	4
2.	AL3452	Operating Systems	PCC	3	0	2	5	4
3.	AL3451	Machine Learning	PCC	3	0	0	3	3
4.	AD3491	Fundamentals of Data Science and Analytics	PCC	3	0	0	3	3
5.	CS3591	Computer Networks	PCC	3	0	2	5	4
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2 [#]		3	0	0	3	3 [#]
PRACTICALS								
8.	AD3411	Data Science and Analytics Laboratory	PCC	0	0	4	4	2
9.	AL3461	Machine Learning Laboratory	PCC	0	0	4	4	2
TOTAL				17	1	12	30	24

[#] NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

SEMESTER V

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	AD3501	Deep Learning	PCC	3	0	0	3	3
2.	CW3551	Data and Information Security	PCC	3	0	0	3	3
3.	CS3551	Distributed Computing	PCC	3	0	0	3	3
4.	CCS334	Big Data Analytics	PCC	2	0	2	4	3
5.		Professional Elective I	PEC	-	-	-	-	3
6.		Professional Elective II	PEC	-	-	-	-	3
7.		Mandatory Course-I ^{&}	MC	3	0	0	3	0
PRACTICALS								
8.	AD3511	Deep Learning Laboratory	PCC	0	0	4	4	2
9.	AD3512	Summer internship	EEC	0	0	0	0	2
TOTAL				-	-	-	-	22

[&] Mandatory Course-I is a Non-credit Course (Student shall select one course from the list given under Mandatory Course-I)

SEMESTER VI

SEMESTER VI								
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CS3691	Embedded Systems and IoT	PCC	3	0	2	5	4
2.		Open Elective – I*	OEC	3	0	0	3	3
3.		Professional Elective III	PEC	-	-	-	-	3
4.		Professional Elective IV	PEC	-	-	-	-	3
5.		Professional Elective V	PEC	-	-	-	-	3
6.		Professional Elective VI	PEC	-	-	-	-	3
7.		Mandatory Course-II &	AC	3	0	0	3	0
8.		NCC Credit Course Level 3 [#]		3	0	0	3	
TOTAL				-	-	-	-	19

^{*}Open Elective – I Shall be chosen from the list of open electives offered by other Programmes

[&] Mandatory Course-II is a Non-credit Course (Student shall select one course from the list given under Mandatory Course-II)

[#] NCC Credit Course level 3 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA

SEMESTER VII / VIII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
2.		Elective - Management [#]	HSMC	3	0	0	3	3
3.		Open Elective – II**	OEC	3	0	0	3	3
4.		Open Elective – III**	OEC	3	0	0	3	3
5.		Open Elective – IV**	OEC	3	0	0	3	3
TOTAL				14	0	0	14	14

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

[#] Elective - Management shall be chosen from the Elective Management courses.

SEMESTER VIII /VII*

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	AD3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS: 163

ELECTIVE – MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3

MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Management	MC	3	0	0	3	0

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices (Yoga, Ayurveda and Siddha)	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0

PROFESSIONAL ELECTIVE COURSES: VERTICALS

Vertical for AIDS I	Vertical II Full Stack Development for IT	Vertical III Cloud Computing and Data Center Technologies	Vertical IV Cyber Security and Data Privacy	Vertical V Creative Media	Vertical VI Emerging Technologies	Vertical for AIDS II
Knowledge Engineering	Cloud Computing	Cloud Computing	Ethical Hacking	Augmented Reality/Virtual Reality	Augmented Reality/Virtual Reality	Bio-Inspired Optimization Techniques
Recommender Systems	App Development	Virtualization	Digital and Mobile Forensics	Multimedia and Animation	Robotic Process Automation	App Development
Soft Computing	Cloud Services Management	Cloud Services Management	Social Network Security	Video Creation and Editing	Neural Networks and Deep Learning	Health Care Analytics
Text and Speech Analysis	UI and UX Design	Data Warehousing	Modern Cryptography	UI and UX Design	Cyber Security	Cyber Security
Business Analytics	Software Testing and Automation	Storage Technologies	Engineering Secure Software Systems	Digital marketing	Quantum Computing	Optimization Techniques
Image and video analytics	Web Application Security	Software Defined Networks	Cryptocurrency and Blockchain Technologies	Multimedia Data Compression and Storage	Cryptocurrency and Blockchain Technologies	Game Theory
Computer Vision	DevOps	Stream Processing	Network Security	Game Development	Game Development	Cognitive Science
Big Data Analytics	Principles of Programming Languages	Security and Privacy in Cloud	Security and Privacy in Cloud	Visual Effects	3D Printing and Design	Ethics and AI

Registration of Professional Elective Courses from Verticals:

Professional Elective Courses will be registered in Semesters V and VI. These courses are listed in groups called verticals that represent a particular area of specialisation / diversified group. Students are permitted to choose all the Professional Electives from a particular vertical or from different verticals. Further, only one Professional Elective course shall be chosen in a semester horizontally (row-wise). However, two courses are permitted from the same row, provided one course is enrolled in Semester V and another in semester VI.

The registration of courses for B.E./B.Tech (Honours) or Minor degree shall be done from Semester V to VIII. The procedure for registration of courses explained above shall be followed for the courses of B.E./B.Tech (Honours) or Minor degree also. For more details on B.E./B.Tech (Honours) or Minor degree refer to the Regulations 2021, Clause 4.10.

PROFESSIONAL ELECTIVE COURSES: VERTICALS**VERTICAL 1: VERTICALS FOR AIDS I**

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS350	Knowledge Engineering	PEC	2	0	2	4	3
2.	CCS360	Recommender Systems	PEC	2	0	2	4	3
3.	CCS364	Soft Computing	PEC	2	0	2	4	3
4.	CCS369	Text and Speech Analysis	PEC	2	0	2	4	3
5.	CCW331	Business Analytics	PEC	2	0	2	4	3
6.	CCS349	Image and Video Analytics	PEC	2	0	2	4	3
7.	CCS338	Computer Vision	PEC	2	0	2	4	3
8.	CCS334	Big Data Analytics	PEC	2	0	2	4	3

VERTICAL 2: FULL STACK DEVELOPMENT FOR IT

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS335	Cloud Computing	PEC	2	0	2	4	3
2.	CCS332	App Development	PEC	2	0	2	4	3
3.	CCS336	Cloud Services Management	PEC	2	0	2	4	3
4.	CCS370	UI and UX Design	PEC	2	0	2	4	3
5.	CCS366	Software Testing and Automation	PEC	2	0	2	4	3
6.	CCS374	Web Application Security	PEC	2	0	2	4	3
7.	CCS342	DevOps	PEC	2	0	2	4	3
8.	CCS358	Principles of Programming Languages	PEC	2	0	2	4	3

VERTICAL 3: CLOUD COMPUTING AND DATA CENTER TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS335	Cloud Computing	PEC	2	0	2	4	3
2.	CCS372	Virtualization	PEC	2	0	2	4	3
3.	CCS336	Cloud Services Management	PEC	2	0	2	4	3
4.	CCS341	Data Warehousing	PEC	2	0	2	4	3
5.	CCS367	Storage Technologies	PEC	3	0	0	3	3
6.	CCS365	Software Defined Networks	PEC	2	0	2	4	3
7.	CCS368	Stream Processing	PEC	2	0	2	4	3
8.	CCS362	Security and Privacy in Cloud	PEC	2	0	2	4	3

VERTICAL 4: CYBER SECURITY AND DATA PRIVACY

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS344	Ethical Hacking	PEC	2	0	2	4	3
2.	CCS343	Digital and Mobile Forensics	PEC	2	0	2	4	3
3.	CCS363	Social Network Security	PEC	2	0	2	4	3
4.	CCS351	Modern Cryptography	PEC	2	0	2	4	3
5.	CB3591	Engineering Secure Software Systems	PEC	2	0	2	4	3
6.	CCS339	Cryptocurrency and Blockchain Technologies	PEC	2	0	2	4	3
7.	CCS354	Network Security	PEC	2	0	2	4	3
8.	CCS362	Security and Privacy in Cloud	PEC	2	0	2	4	3

VERTICAL 5: CREATIVE MEDIA

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS333	Augmented Reality/Virtual Reality	PEC	2	0	2	4	3
2.	CCS352	Multimedia and Animation	PEC	2	0	2	4	3
3.	CCS371	Video Creation and Editing	PEC	2	0	2	4	3
4.	CCS370	UI and UX Design	PEC	2	0	2	4	3
5.	CCW332	Digital marketing	PEC	2	0	2	4	3
6.	CCS353	Multimedia Data Compression and Storage	PEC	2	0	2	4	3
7.	CCS347	Game Development	PEC	2	0	2	4	3
8.	CCS373	Visual Effects	PEC	2	0	2	4	3

VERTICAL 6: EMERGING TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS333	Augmented Reality/Virtual Reality	PEC	2	0	2	4	3
2.	CCS361	Robotic Process Automation	PEC	2	0	2	4	3
3.	CCS355	Neural Networks and Deep Learning	PEC	2	0	2	4	3
4.	CCS340	Cyber Security	PEC	2	0	2	4	3
5.	CCS359	Quantum Computing	PEC	2	0	2	4	3
6.	CCS339	Cryptocurrency and Blockchain Technologies	PEC	2	0	2	4	3
7.	CCS347	Game Development	PEC	2	0	2	4	3
8.	CCS331	3D Printing and Design	PEC	2	0	2	4	3

VERTICAL 7: VERTICALS FOR AIDS II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	AD3001	Bio-Inspired Optimization Techniques	PEC	2	0	2	4	3
2.	CCS332	App Development	PEC	2	0	2	4	3
3.	AD3002	Health Care Analytics	PEC	2	0	2	4	3
4.	CCS340	Cyber Security	PEC	2	0	2	4	3
5.	CCS357	Optimization Techniques	PEC	2	0	2	4	3
6.	CCS348	Game Theory	PEC	2	0	2	4	3
7.	CCS337	Cognitive Science	PEC	2	0	2	4	3
8.	CCS345	Ethics and AI	PEC	2	0	2	4	3

OPEN ELECTIVES

(Students shall choose the open elective courses, such that the course contents are not similar to any other course contents/title under other course categories).

OPEN ELECTIVES – I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OAS351	Space Science	OEC	3	0	0	3	3
2.	OIE351	Introduction to Industrial Engineering	OEC	3	0	0	3	3
3.	OBT351	Climate Change and its Impact	OEC	3	0	0	3	3
4.	OCE351	Environment and Social Impact Assessment	OEC	3	0	0	3	3
5.	OEE351	Renewable Energy System	OEC	3	0	0	3	3
6.	OEI351	Introduction to Industrial Instrumentation and Control	OEC	3	0	0	3	3
7.	OMA351	Graph Theory	OEC	3	0	0	3	3

OPEN ELECTIVES – II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OIE352	Resource Management Techniques	OEC	3	0	0	3	3
2.	OMG351	Fintech Regulations	OEC	3	0	0	3	3
3.	OFD351	Holistic Nutrition	OEC	3	0	0	3	3
4.	OCE352	ICT in Agriculture	OEC	3	0	0	3	3
5.	OEI352	Introduction to Control Engineering	OEC	3	0	0	3	3
6.	OPY351	Pharmaceutical Nanotechnology	OEC	3	0	0	3	3
7.	OAE351	Aviation Management	OEC	3	0	0	3	3

OPEN ELECTIVES – III

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS351	English for Competitive Examinations	OEC	3	0	0	3	3
2.	OMG352	NGOs and Sustainable Development	OEC	3	0	0	3	3
3.	OMG353	Democracy and Good Governance	OEC	3	0	0	3	3
4.	OME353	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	2	0	2	4	3
6.	OMF351	Reverse Engineering	OEC	3	0	0	3	3
7.	OMF353	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	OAU351	Electric and Hybrid Vehicle	OEC	3	0	0	3	3
9.	OAS352	Space Engineering	OEC	3	0	0	3	3
10.	OIM351	Industrial Management	OEC	3	0	0	3	3
11.	OIE354	Quality Engineering	OEC	3	0	0	3	3
12.	OSF351	Fire Safety Engineering	OEC	3	0	0	3	3
13.	OML351	Introduction to Non-Destructive Testing	OEC	3	0	0	3	3
14.	OMR351	Mechatronics	OEC	3	0	0	3	3
15.	ORA351	Foundation of Robotics	OEC	3	0	0	3	3
16.	OAE352	Fundamentals of Aeronautical Engineering	OEC	3	0	0	3	3
17.	OGI351	Remote Sensing Concepts	OEC	3	0	0	3	3
18.	OAI351	Urban Agriculture	OEC	3	0	0	3	3
19.	OEN351	Drinking Water Supply and Treatment	OEC	3	0	0	3	3
20.	OEE352	Electric Vehicle Technology	OEC	3	0	0	3	3
21.	OEI353	Introduction to PLC	OEC	3	0	0	3	3

		Programming						
22.	OCH351	Nano Technology	OEC	3	0	0	3	3
23.	OCH352	Functional Materials	OEC	3	0	0	3	3
24.	OBT352	Biomedical Instrumentation	OEC	3	0	0	3	3
25.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
26.	OFD353	Introduction to Food Processing	OEC	3	0	0	3	3
27.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
28.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
29.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
30.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
31.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
32.	OPE352	Energy Conservation and Management	OEC	3	0	0	3	3
33.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
34.	OEC351	Signals and Systems	OEC	3	0	0	3	3
35.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
36.	OBM351	Foundation Skills in integrated product Development	OEC	3	0	0	3	3
37.	OBM352	Assistive Technology	OEC	3	0	0	3	3
38.	OMA352	Operations Research	OEC	3	0	0	3	3
39.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
40.	OMA354	Linear Algebra	OEC	3	0	0	3	3
41.	OCE353	Lean Concepts, Tools And Practices	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS352	Project Report Writing	OEC	3	0	0	3	3
2.	OMA355	Advanced Numerical Methods	OEC	3	0	0	3	3
3.	OMA356	Random Processes	OEC	3	0	0	3	3
4.	OMA357	Queuing and Reliability Modelling	OEC	3	0	0	3	3
5.	OMG354	Production and Operations Management for Entrepreneurs	OEC	3	0	0	3	3
6.	OMG355	Multivariate Data Analysis	OEC	3	0	0	3	3



ANNA UNIVERSITY, CHENNAI
NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM

B.E. COMPUTER SCIENCE AND ENGINEERING

I.PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates can

- Apply their technical competence in computer science to solve real world problems, with technical and people leadership.
- Conduct cutting edge research and develop solutions on problems of social relevance.
- Work in a business environment, exhibiting team skills, work ethics, adaptability and lifelong learning.

II.PROGRAM OUTCOMES (POs)

- 1 **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2 **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.
- 3 **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.
- 4 **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.
- 5 **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.
- 6 **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.
- 7 **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.
- 8 **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9 **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10 **Communication:** Communicate effectively on complex engineering activities with the

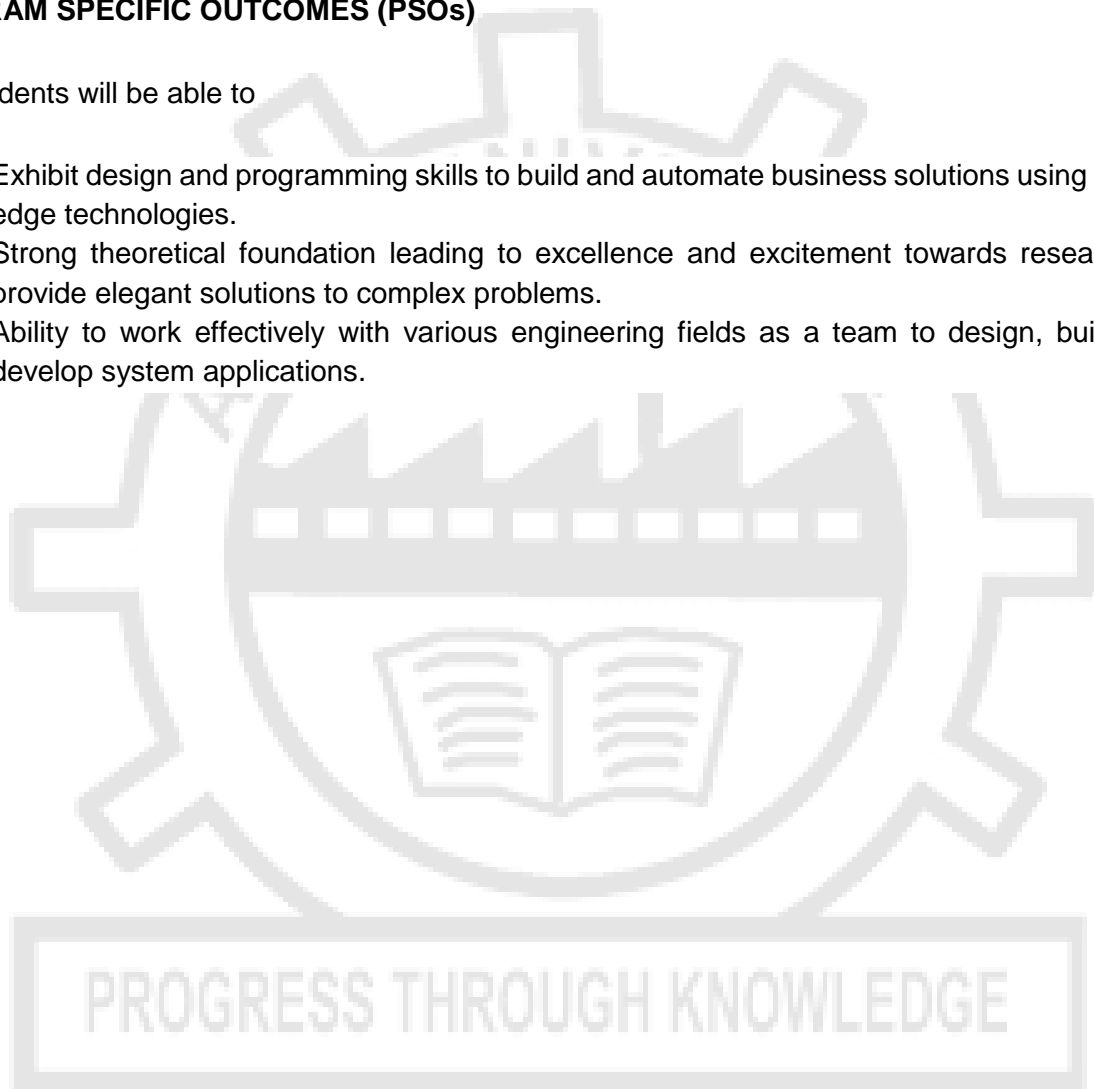
engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- 11 **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.
- 12 **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.

III.PROGRAM SPECIFIC OUTCOMES (PSOs)

The Students will be able to

- Exhibit design and programming skills to build and automate business solutions using cutting edge technologies.
- Strong theoretical foundation leading to excellence and excitement towards research, to provide elegant solutions to complex problems.
- Ability to work effectively with various engineering fields as a team to design, build and develop system applications.



ANNA UNIVERSITY, CHENNAI
NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
B. E. COMPUTER SCIENCE AND ENGINEERING
CHOICE BASED CREDIT SYSTEM
CURRICULA FOR SEMESTERS I TO VIII AND SYLLABI FOR SEMESTERS I TO IV
SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3151	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory \$	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

\$ Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3251	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3256	Physics for Information Science	BSC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	CS3251	Programming in C	PCC	3	0	0	3	3
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1 [#]	-	2	0	0	2	2 [#]
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	CS3271	Programming in C Laboratory	PCC	0	0	4	4	2
11.	GE3272	Communication Laboratory / Foreign Language ^{\$}	EEC	0	0	4	4	2
TOTAL				17	1	16	34	26

NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

\$ Skill Based Course

SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3354	Discrete Mathematics	BSC	3	1	0	4	4
2.	CS3351	Digital Principles and Computer Organization	ESC	3	0	2	5	4
3.	CS3352	Foundations of Data Science	PCC	3	0	0	3	3
4.	CS3301	Data Structures	PCC	3	0	0	3	3
5.	CS3391	Object Oriented Programming	PCC	3	0	0	3	3
PRACTICALS								
6.	CS3311	Data Structures Laboratory	PCC	0	0	3	3	1.5
7.	CS3381	Object Oriented Programming Laboratory	PCC	0	0	3	3	1.5
8.	CS3361	Data Science Laboratory	PCC	0	0	4	4	2
9.	GE3361	Professional Development [§]	EEC	0	0	2	2	1
TOTAL				15	1	14	30	23

[§] Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CS3452	Theory of Computation	PCC	3	0	0	3	3
2.	CS3491	Artificial Intelligence and Machine Learning	PCC	3	0	2	5	4
3.	CS3492	Database Management Systems	PCC	3	0	0	3	3
4.	CS3401	Algorithms	PCC	3	0	2	5	4
5.	CS3451	Introduction to Operating Systems	PCC	3	0	0	3	3
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2 [#]		3	0	0	3	3 [#]
PRACTICALS								
8.	CS3461	Operating Systems Laboratory	PCC	0	0	3	3	1.5
9.	CS3481	Database Management Systems Laboratory	PCC	0	0	3	3	1.5
TOTAL				20	0	10	30	22

[#] NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

SEMESTER V

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CS3591	Computer Networks	PCC	3	0	2	5	4
2.	CS3501	Compiler Design	PCC	3	0	2	5	4
3.	CB3491	Cryptography and Cyber Security	PCC	3	0	0	3	3
4.	CS3551	Distributed Computing	PCC	3	0	0	3	3
5.		Professional Elective I	PEC	-	-	-	-	3
6.		Professional Elective II	PEC	-	-	-	-	3
7.		Mandatory Course-I ^{&}	MC	3	0	0	3	0
TOTAL				-	-	-	-	20

[&] Mandatory Course-I is a Non-credit Course (Student shall select one course from the list given under Mandatory Course-I)

SEMESTER VI

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CCS356	Object Oriented Software Engineering	PCC	3	0	2	5	4
2.	CS3691	Embedded Systems and IoT	PCC	3	0	2	5	4
3.		Open Elective – I*	OEC	3	0	0	3	3
4.		Professional Elective III	PEC	-	-	-	-	3
5.		Professional Elective IV	PEC	-	-	-	-	3
6.		Professional Elective V	PEC	-	-	-	-	3
7.		Professional Elective VI	PEC	-	-	-	-	3
8.		Mandatory Course-II &	MC	3	0	0	3	0
9.		NCC Credit Course Level 3 [#]		3	0	0	3	3 [#]
TOTAL				-	-	-	-	23

^{*}Open Elective – I Shall be chosen from the list of open electives offered by other Programmes

[&] Mandatory Course-II is a Non-credit Course (Student shall select one course from the list given under Mandatory Course-II)

[#] NCC Credit Course level 3 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA

SEMESTER VII / VIII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
2.		Elective - Management [#]	HSMC	3	0	0	3	3
3.		Open Elective – II**	OEC	3	0	0	3	3
4.		Open Elective – III**	OEC	3	0	0	3	3
5.		Open Elective – IV**	OEC	3	0	0	3	3
PRACTICALS								
6.	CS3711	Summer internship	EEC	0	0	0	0	2
TOTAL				14	0	0	14	16

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

[#] Elective - Management shall be chosen from the Elective Management courses.

SEMESTER VIII /VII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	CS3811	Project Work/Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS: 162

ELECTIVE – MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3

MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Management	MC	3	0	0	3	0

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices (Yoga, Ayurveda and Siddha)	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0



PROFESSIONAL ELECTIVE COURSES: VERTICALS

Vertical I Data Science	Vertical II Full Stack Development	Vertical III Cloud Computing and Data Center Technologies	Vertical IV Cyber Security and Data Privacy	Vertical V Creative Media	Vertical VI Emerging Technologies	Vertical VII Artificial Intelligence and Machine Learning
Exploratory Data Analysis	Web Technologies	Cloud Computing	Ethical Hacking	Augmented Reality/Virtual Reality	Augmented Reality/Virtual Reality	Knowledge Engineering
Recommender Systems	App Development	Virtualization	Digital and Mobile Forensics	Multimedia and Animation	Robotic Process Automation	Soft Computing
Neural Networks and Deep Learning	Cloud Services Management	Cloud Services Management	Social Network Security	Video Creation and Editing	Neural Networks and Deep Learning	Neural Networks and Deep Learning
Text and Speech Analysis	UI and UX Design	Data Warehousing	Modern Cryptography	UI and UX Design	Cyber security	Text and Speech Analysis
Business Analytics	Software Testing and Automation	Storage Technologies	Engineering Secure Software Systems	Digital marketing	Quantum Computing	Optimization Techniques
Image and Video Analytics	Web Application Security	Software Defined Networks	Cryptocurrency and Blockchain Technologies	Visual Effects	Cryptocurrency and Blockchain Technologies	Game Theory
Computer Vision	DevOps	Stream Processing	Network Security	Game Development	Game Development	Cognitive Science
Big Data Analytics	Principles of Programming Languages	Security and Privacy in Cloud	Security and Privacy in Cloud	Multimedia Data Compression and Storage	3D Printing and Design	Ethics And AI

Registration of Professional Elective Courses from Verticals:

Professional Elective Courses will be registered in Semesters V and VI. These courses are listed in groups called verticals that represent a particular area of specialisation / diversified group. Students are permitted to choose all the Professional Electives from a particular vertical or from different verticals. Further, only one Professional Elective course shall be chosen in a semester horizontally (row-wise). However, two courses are permitted from the same row, provided one course is enrolled in Semester V and another in semester VI.

The registration of courses for B.E./B.Tech (Honours) or Minor degree shall be done from Semester V to VIII. The procedure for registration of courses explained above shall be followed for the courses of B.E./B.Tech (Honours) or Minor degree also. For more details on B.E./B.Tech (Honours) or Minor degree refer to the Regulations 2021, Clause 4.10.

PROFESSIONAL ELECTIVE COURSES: VERTICALS**VERTICAL 1: DATA SCIENCE**

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS346	Exploratory Data Analysis	PEC	2	0	2	4	3
2.	CCS360	Recommender Systems	PEC	2	0	2	4	3
3.	CCS355	Neural Networks and Deep Learning	PEC	2	0	2	4	3
4.	CCS369	Text and Speech Analysis	PEC	2	0	2	4	3
5.	CCW331	Business Analytics	PEC	2	0	2	4	3
6.	CCS349	Image and Video Analytics	PEC	2	0	2	4	3
7.	CCS338	Computer Vision	PEC	2	0	2	4	3
8.	CCS334	Big Data Analytics	PEC	2	0	2	4	3

VERTICAL 2: FULL STACK DEVELOPMENT

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS375	Web Technologies	PEC	2	0	2	4	3
2.	CCS332	App Development	PEC	2	0	2	4	3
3.	CCS336	Cloud Services Management	PEC	2	0	2	4	3
4.	CCS370	UI and UX Design	PEC	2	0	2	4	3
5.	CCS366	Software Testing and Automation	PEC	2	0	2	4	3
6.	CCS374	Web Application Security	PEC	2	0	2	4	3
7.	CCS342	DevOps	PEC	2	0	2	4	3
8.	CCS358	Principles of Programming Languages	PEC	2	0	2	4	3

VERTICAL 3: CLOUD COMPUTING AND DATA CENTER TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS335	Cloud Computing	PEC	2	0	2	4	3
2.	CCS372	Virtualization	PEC	2	0	2	4	3
3.	CCS336	Cloud Services Management	PEC	2	0	2	4	3
4.	CCS341	Data Warehousing	PEC	2	0	2	4	3
5.	CCS367	Storage Technologies	PEC	3	0	0	3	3
6.	CCS365	Software Defined Networks	PEC	2	0	2	4	3
7.	CCS368	Stream Processing	PEC	2	0	2	4	3
8.	CCS362	Security and Privacy in Cloud	PEC	2	0	2	4	3

VERTICAL 4: CYBER SECURITY AND DATA PRIVACY

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS344	Ethical Hacking	PEC	2	0	2	4	3
2.	CCS343	Digital and Mobile Forensics	PEC	2	0	2	4	3
3.	CCS363	Social Network Security	PEC	2	0	2	4	3
4.	CCS351	Modern Cryptography	PEC	2	0	2	4	3
5.	CB3591	Engineering Secure Software Systems	PEC	2	0	2	4	3
6.	CCS339	Cryptocurrency and Blockchain Technologies	PEC	2	0	2	4	3
7.	CCS354	Network Security	PEC	2	0	2	4	3
8.	CCS362	Security and Privacy in Cloud	PEC	2	0	2	4	3

VERTICAL 5: CREATIVE MEDIA

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS333	Augmented Reality/Virtual Reality	PEC	2	0	2	4	3
2.	CCS352	Multimedia and Animation	PEC	2	0	2	4	3
3.	CCS371	Video Creation and Editing	PEC	2	0	2	4	3
4.	CCS370	UI and UX Design	PEC	2	0	2	4	3
5.	CCW332	Digital marketing	PEC	2	0	2	4	3
6.	CCS373	Visual Effects	PEC	2	0	2	4	3
7.	CCS347	Game Development	PEC	2	0	2	4	3
8.	CCS353	Multimedia Data Compression and Storage	PEC	2	0	2	4	3

VERTICAL 6: EMERGING TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS333	Augmented Reality/Virtual Reality	PEC	2	0	2	4	3
2.	CCS361	Robotic Process Automation	PEC	2	0	2	4	3
3.	CCS355	Neural Networks and Deep Learning	PEC	2	0	2	4	3
4.	CCS340	Cyber security	PEC	2	0	2	4	3
5.	CCS359	Quantum Computing	PEC	2	0	2	4	3
6.	CCS339	Cryptocurrency and Blockchain Technologies	PEC	2	0	2	4	3
7.	CCS347	Game Development	PEC	2	0	2	4	3
8.	CCS331	3D Printing and Design	PEC	2	0	2	4	3

VERTICAL 7: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS350	Knowledge Engineering	PEC	2	0	2	4	3
2.	CCS364	Soft Computing	PEC	2	0	2	4	3
3.	CCS355	Neural Networks and Deep Learning	PEC	2	0	2	4	3
4.	CCS369	Text and Speech Analysis	PEC	2	0	2	4	3
5.	CCS357	Optimization Techniques	PEC	2	0	2	4	3
6.	CCS348	Game Theory	PEC	2	0	2	4	3
7.	CCS337	Cognitive Science	PEC	2	0	2	4	3
8.	CCS345	Ethics And AI	PEC	2	0	2	4	3

OPEN ELECTIVES

(Students shall choose the open elective courses, such that the course contents are not similar to any other course contents/title under other course categories).

OPEN ELECTIVES – I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OAS351	Space Science	OEC	3	0	0	3	3
2.	OIE351	Introduction to Industrial Engineering	OEC	3	0	0	3	3
3.	OBT351	Climate Change and its Impact	OEC	3	0	0	3	3
4.	OCE351	Environment and Social Impact Assessment	OEC	3	0	0	3	3
5.	OEE351	Renewable Energy System	OEC	3	0	0	3	3
6.	OEI351	Introduction to Industrial Instrumentation and Control	OEC	3	0	0	3	3
7.	OMA351	Graph Theory	OEC	3	0	0	3	3

OPEN ELECTIVES – II

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OIE352	Resource Management Techniques	OEC	3	0	0	3	3
2.	OMG351	Fintech Regulations	OEC	3	0	0	3	3
3.	OFD351	Holistic Nutrition	OEC	3	0	0	3	3
4.	OCE352	ICT in Agriculture	OEC	3	0	0	3	3
5.	OEI352	Introduction to Control Engineering	OEC	3	0	0	3	3
6.	OPY351	Pharmaceutical Nanotechnology	OEC	3	0	0	3	3
7.	OAE351	Aviation Management	OEC	3	0	0	3	3

OPEN ELECTIVES – III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS351	English for Competitive Examinations	OEC	3	0	0	3	3
2.	OMG352	NGOs and Sustainable Development	OEC	3	0	0	3	3
3.	OMG353	Democracy and Good Governance	OEC	3	0	0	3	3
4.	OME353	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	2	0	2	4	3
6.	OMF351	Reverse Engineering	OEC	3	0	0	3	3
7.	OMF353	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	OAU351	Electric and Hybrid Vehicle	OEC	3	0	0	3	3
9.	OAS352	Space Engineering	OEC	3	0	0	3	3
10.	OIM351	Industrial Management	OEC	3	0	0	3	3
11.	OIE354	Quality Engineering	OEC	3	0	0	3	3
12.	OSF351	Fire Safety Engineering	OEC	3	0	0	3	3
13.	OML351	Introduction to Non-destructive Testing	OEC	3	0	0	3	3
14.	OMR351	Mechatronics	OEC	3	0	0	3	3
15.	ORA351	Foundation of Robotics	OEC	3	0	0	3	3
16.	OAE352	Fundamentals of Aeronautical Engineering	OEC	3	0	0	3	3
17.	OGI351	Remote Sensing Concepts	OEC	3	0	0	3	3
18.	OAI351	Urban Agriculture	OEC	3	0	0	3	3
19.	OEN351	Drinking Water Supply and Treatment	OEC	3	0	0	3	3
20.	OEE352	Electric Vehicle Technology	OEC	3	0	0	3	3
21.	OEI353	Introduction to PLC Programming	OEC	3	0	0	3	3

22.	OCH351	Nano Technology	OEC	3	0	0	3	3
23.	OCH352	Functional Materials	OEC	3	0	0	3	3
24.	OBT352	Biomedical Instrumentation	OEC	3	0	0	3	3
25.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
26.	OFD353	Introduction to food processing	OEC	3	0	0	3	3
27.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
28.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
29.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
30.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
31.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
32.	OPE352	Energy Conservation and Management	OEC	3	0	0	3	3
33.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
34.	OEC351	Signals and Systems	OEC	3	0	0	3	3
35.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
36.	OBM351	Foundation Skills in Integrated Product Development	OEC	3	0	0	3	3
37.	OBM352	Assistive Technology	OEC	3	0	0	3	3
38.	OMA352	Operations Research	OEC	3	0	0	3	3
39.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
40.	OMA354	Linear Algebra	OEC	3	0	0	3	3
41.	OCE353	Lean Concepts, Tools and Practices	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS352	Project Report Writing	OEC	3	0	0	3	3
2.	OMA355	Advanced Numerical Methods	OEC	3	0	0	3	3
3.	OMA356	Random Processes	OEC	3	0	0	3	3
4.	OMA357	Queuing and Reliability Modelling	OEC	3	0	0	3	3
5.	OMG354	Production and Operations Management for Entrepreneurs	OEC	3	0	0	3	3
6.	OMG355	Multivariate Data Analysis	OEC	3	0	0	3	3
7.	OME352	Additive Manufacturing	OEC	3	0	0	3	3
8.	OME353	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	2	0	2	4	3
10.	OMF352	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3

12.	OAU352	Batteries and Management System	OEC	3	0	0	3	3
13.	OAU353	Sensors and Actuators	OEC	3	0	0	3	3
14.	OAS353	Space Vehicles	OEC	3	0	0	3	3
15.	OIM352	Management Science	OEC	3	0	0	3	3
16.	OIM353	Production Planning and Control	OEC	3	0	0	3	3
17.	OIE353	Operations Management	OEC	3	0	0	3	3
18.	OSF352	Industrial Hygiene	OEC	3	0	0	3	3
19.	OSF353	Chemical Process Safety	OEC	3	0	0	3	3
20.	OML352	Electrical, Electronic and Magnetic materials	OEC	3	0	0	3	3
21.	OML353	Nanomaterials and Applications	OEC	3	0	0	3	3
22.	OMR352	Hydraulics and Pneumatics	OEC	3	0	0	3	3
23.	OMR353	Sensors	OEC	3	0	0	3	3
24.	ORA352	Foundation of Automation	OEC	3	0	0	3	3
25.	ORA353	Concepts in Mobile Robotics	OEC	3	0	0	3	3
26.	OMV351	Marine Propulsion	OEC	3	0	0	3	3
27.	OMV352	Marine Merchant Vehicles	OEC	3	0	0	3	3
28.	OMV353	Elements of Marine Engineering	OEC	3	0	0	3	3
29.	OAE353	Drone Technologies	OEC	3	0	0	3	3
30.	OGI352	Geographical Information System	OEC	3	0	0	3	3
31.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
32.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
33.	OEE353	Introduction to control systems	OEC	3	0	0	3	3
34.	OEI354	Introduction to Industrial Automation Systems	OEC	3	0	0	3	3
35.	OCH353	Energy Technology	OEC	3	0	0	3	3
36.	OCH354	Surface Science	OEC	3	0	0	3	3
37.	OBT353	Environment and Agriculture	OEC	3	0	0	3	3
38.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
39.	OFD355	Food safety and Quality Regulations	OEC	3	0	0	3	3
40.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
41.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
42.	OTT355	Fibre Science	OEC	3	0	0	3	3
43.	OTT356	Garment Manufacturing Technology	OEC	3	0	0	3	3
44.	OPE353	Industrial safety	OEC	3	0	0	3	3
45.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
46.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3

47.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
48.	OEC353	VLSI Design	OEC	3	0	0	3	3
49.	OEC354	Industrial IoT and Industry 4.0	OEC	2	0	2	4	3
50.	OBM353	Wearable Devices	OEC	3	0	0	3	3
51.	OBM354	Medical Informatics	OEC	3	0	0	3	3
52.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3

SUMMARY

Name of the Programme: B.E. Computer Science and Engineering										
S.No	Subject Area	Credits per Semester								Total Credits
		I	II	III	IV	V	VI	VII/VIII	VIII/VII	
1	HSMC	4	3					5		12
2	BSC	12	7	4	2					25
3	ESC	5	9	4						18
4	PCC		5	14	20	14	8			61
5	PEC					6	12			18
6	OEC						3	9		12
7	EEC	1	2	1				2	10	16
8	Non-Credit /(Mandatory)					√	√			
Total		22	26	23	22	20	23	16	10	162

ENROLLMENT FOR B.E. / B. TECH. (HONOURS) / MINOR DEGREE (OPTIONAL)

A student can also optionally register for additional courses (18 credits) and become eligible for the award of B.E. / B. Tech. (Honours) or Minor Degree.

For B.E. / B. Tech. (Honours), a student shall register for the additional courses (18 credits) from semester V onwards. These courses shall be from the same vertical or a combination of different verticals of the same programme of study only.

For minor degree, a student shall register for the additional courses (18 credits) from semester V onwards. All these courses have to be in a particular vertical from any one of the other programmes, Moreover, for minor degree the student can register for courses from any one of the following verticals also.

Complete details are available in clause 4.10 of Regulations 2021.

VERTICALS FOR MINOR DEGREE
(In addition to all the verticals of other programmes)

Vertical I Fintech and Block Chain	Vertical II Entrepreneurship	Vertical III Public Administration	Vertical IV Business Data Analytics	Vertical V Environment and Sustainability
Financial Management	Foundations of Entrepreneurship	Principles of Public Administration	Statistics for Management	Sustainable infrastructure Development
Fundamentals of Investment	Team Building & Leadership Management for Business	Constitution of India	Datamining for Business Intelligence	Sustainable Agriculture and Environmental Management
Banking, Financial Services and Insurance	Creativity & Innovation in Entrepreneurship	Public Personnel Administration	Human Resource Analytics	Sustainable Bio Materials
Introduction to Blockchain and its Applications	Principles of Marketing Management for Business	Administrative Theories	Marketing and Social Media Web Analytics	Materials for Energy Sustainability
Fintech Personal Finance and Payments	Human Resource Management for Entrepreneurs	Indian Administrative System	Operation and Supply Chain Analytics	Green Technology
Introduction to Fintech	Financing New Business Ventures	Public Policy Administration	Financial Analytics	Environmental Quality Monitoring and Analysis
-	-	-	-	Integrated Energy Planning for Sustainable Development
-	-	-	-	Energy Efficiency for Sustainable Development

PROGRESS THROUGH KNOWLEDGE

(choice of courses for Minor degree is to be made from any one vertical of other programmes or from anyone of the following verticals)

VERTICAL 1: FINTECH AND BLOCK CHAIN

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG331	Financial Management	PEC	3	0	0	3	3
2.	CMG332	Fundamentals of Investment	PEC	3	0	0	3	3
3.	CMG333	Banking, Financial Services and Insurance	PEC	3	0	0	3	3
4.	CMG334	Introduction to Blockchain and its Applications	PEC	3	0	0	3	3
5.	CMG335	Fintech Personal Finance and Payments	PEC	3	0	0	3	3
6.	CMG336	Introduction to Fintech	PEC	3	0	0	3	3

VERTICAL 2: ENTREPRENEURSHIP

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG337	Foundations of Entrepreneurship	PEC	3	0	0	3	3
2.	CMG338	Team Building & Leadership Management for Business	PEC	3	0	0	3	3
3.	CMG339	Creativity & Innovation in Entrepreneurship	PEC	3	0	0	3	3
4.	CMG340	Principles of Marketing Management For Business	PEC	3	0	0	3	3
5.	CMG341	Human Resource Management for Entrepreneurs	PEC	3	0	0	3	3
6.	CMG342	Financing New Business Ventures	PEC	3	0	0	3	3

VERTICAL 3: PUBLIC ADMINISTRATION

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG343	Principles of Public Administration	PEC	3	0	0	3	3
2.	CMG344	Constitution of India	PEC	3	0	0	3	3
3.	CMG345	Public Personnel Administration	PEC	3	0	0	3	3
4.	CMG346	Administrative Theories	PEC	3	0	0	3	3
5.	CMG347	Indian Administrative System	PEC	3	0	0	3	3
6.	CMG348	Public Policy Administration	PEC	3	0	0	3	3

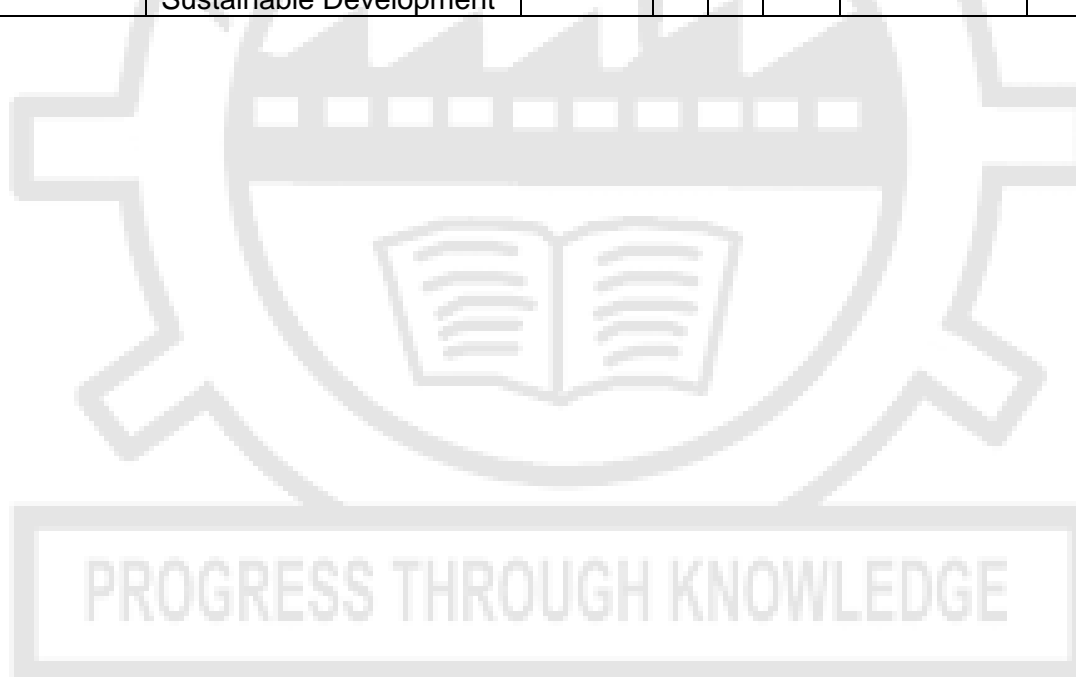
VERTICAL 4: BUSINESS DATA ANALYTICS

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG349	Statistics for Management	PEC	3	0	0	3	3
2.	CMG350	Data Mining For Business Intelligence	PEC	3	0	0	3	3
3.	CMG351	Human Resource Analytics	PEC	3	0	0	3	3
4.	CMG352	Marketing and Social Media Web Analytics	PEC	3	0	0	3	3
5.	CMG353	Operation and Supply Chain Analytics	PEC	3	0	0	3	3
6.	CMG354	Financial Analytics	PEC	3	0	0	3	3

PROGRESS THROUGH KNOWLEDGE

VERTICAL 5: ENVIRONMENT AND SUSTAINABILITY

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CES331	Sustainable infrastructure Development	PEC	3	0	0	3	3
2.	CES332	Sustainable Agriculture and Environmental Management	PEC	3	0	0	3	3
3.	CES333	Sustainable Bio Materials	PEC	3	0	0	3	3
4.	CES334	Materials for Energy Sustainability	PEC	3	0	0	3	3
5.	CES335	Green Technology	PEC	3	0	0	3	3
6.	CES336	Environmental Quality Monitoring and Analysis	PEC	3	0	0	3	3
7.	CES337	Integrated Energy Planning for Sustainable Development	PEC	3	0	0	3	3
8.	CES338	Energy Efficiency for Sustainable Development	PEC	3	0	0	3	3





ANNA UNIVERSITY, CHENNAI
NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM

B. E. ELECTRONICS AND COMMUNICATION ENGINEERING

I. PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. To provide the students with a strong foundation in the required sciences in order to pursue studies in Electronics and Communication Engineering.
2. To gain adequate knowledge to become good professional in electronic and communication engineering associated industries, higher education and research.
3. To develop attitude in lifelong learning, applying and adapting new ideas and technologies as their field evolves.
4. To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.
5. To inculcate in the students a professional and ethical attitude and an ability to visualize the engineering issues in a broader social context.

II. PROGRAM OUTCOMES (POs)

- 1 **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2 **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.
- 3 **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.
- 4 **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.
- 5 **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.
- 6 **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.
- 7 **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.

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

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

10 **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.

11 **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.

12 **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.

III. PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Design, develop and analyze electronic systems through application of relevant electronics, mathematics and engineering principles

PSO2: Design, develop and analyze communication systems through application of fundamentals from communication principles, signal processing, and RF System Design & Electromagnetics.

PSO3: Adapt to emerging electronics and communication technologies and develop innovative solutions for existing and newer problems

PEOs(1 to 5) mapped with POs and PSOs

PE O	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PS O2	PS O3
I.	3	3	2	2	2	2	-	-	-	-	-	3	3	2	3
II.	3	3	3	3	2	-	-	-	2	1	2	3	3	3	3
III.	3	2	3	3	3	-	-	-	2	2	-	3	3	3	3
IV.	3	3	3	3	2	-	-	3	-	-	-	2	2	2	2
V.	-	-	-	-	2	2	2	2	-	-	-	-	1	1	1

ANNA UNIVERSITY, CHENNAI
NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
B. E. ELECTRONICS AND COMMUNICATION ENGINEERING
CHOICE BASED CREDIT SYSTEM
CURRICULA FOR SEMESTERS I TO VIII AND SYLLABI FOR SEMESTERS I TO IV
SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3151	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory \$	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

\$ Skill Based Course

SEMESTER II

SEMESTER II								
S. NO.	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3251	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3254	Physics for Electronics Engineering	BSC	3	0	0	3	3
4.	BE3254	Electrical and Instrumentation Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	EC3251	Circuit Analysis	PCC	3	1	0	4	4
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1#	-	2	0	0	2	2*
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	EC3271	Circuits Analysis Laboratory	PCC	0	0	2	2	1
11.	GE3272	Communication Laboratory / Foreign Language \$	EEC	0	0	4	4	2
TOTAL				17	1	14	33	26

NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

\$ Skill Based Course

SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3355	Random Processes and Linear Algebra	BSC	3	1	0	4	4
2.	CS3353	C Programming and Data Structures	ESC	3	0	0	3	3
3.	EC3354	Signals and Systems	PCC	3	1	0	4	4
4.	EC3353	Electronic Devices and Circuits	PCC	3	0	0	3	3
5.	EC3351	Control Systems	PCC	3	0	0	3	3
6.	EC3352	Digital Systems Design	PCC	3	0	2	5	4
PRACTICALS								
7.	EC3361	Electronic Devices and Circuits Laboratory	PCC	0	0	3	3	1.5
8.	CS3362	C Programming and Data Structures Laboratory	PCC	0	0	3	3	1.5
9.	GE3361	Professional Development ^{\$}	EEC	0	0	2	2	1
TOTAL				18	2	10	30	25

[§] Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	EC3452	Electromagnetic Fields	PCC	3	0	0	3	3
2.	EC3401	Networks and Security	PCC	3	0	2	5	4
3.	EC3451	Linear Integrated Circuits	PCC	3	0	0	3	3
4.	EC3492	Digital Signal Processing	PCC	3	0	2	5	4
5.	EC3491	Communication Systems	PCC	3	0	0	3	3
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2 [#]		3	0	0	3	3 [#]
PRACTICALS								
8.	EC3461	Communication Systems Laboratory	PCC	0	0	3	3	1.5
9.	EC3462	Linear Integrated Circuits Laboratory	PCC	0	0	3	3	1.5
TOTAL				17	0	10	27	22

[#] NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

SEMESTER V

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	EC3501	Wireless Communication	PCC	3	0	2	5	4
2.	EC3552	VLSI and Chip Design	PCC	3	0	0	3	3
3.	EC3551	Transmission lines and RF Systems	PCC	3	0	0	3	3
4.		Professional Elective I	PEC	-	-	-	-	3
5.		Professional Elective II	PEC	-	-	-	-	3
6.		Professional Elective III	PEC	-	-	-	-	3
7.		Mandatory Course-I ^{&}	MC	3	0	0	3	0
PRACTICALS								
8.	EC3561	VLSI Laboratory	PCC	0	0	4	4	2
TOTAL				-	-	-	-	21

[&] Mandatory Course-I is a Non-credit Course (Student shall select one course from the list given under Mandatory Course-I)

SEMESTER VI

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	ET3491	Embedded Systems and IOT Design	PCC	3	0	2	5	4
2.	CS3491	Artificial Intelligence and Machine Learning	ESC	3	0	2	5	4
3.		Open Elective– I*	OEC	3	0	0	3	3
4.		Professional Elective V	PEC	-	-	-	-	3
5.		Professional Elective VI	PEC	-	-	-	-	3
6.		Professional Elective VII	PEC	-	-	-	-	3
7.		Mandatory Course-II &	MC	3	0	0	3	0
8.		NCC Credit Course Level 3 [#]		3	0	0	3	3 [#]
TOTAL				-	-	-	-	20

*Open Elective – I Shall be chosen from the list of open electives offered by other Programmes

[&] Mandatory Course-II is a Non-credit Course (Student shall select one course from the list given under Mandatory Course-II)

[#] NCC Credit Course level 3 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA

SEMESTER VII / VIII*

S. NO	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human values and Ethics	HSMC	2	0	0	2	2
2.		Elective - Management [#]	HSMC	3	0	0	3	3
3.		Open Elective – II**	OEC	3	0	0	3	3
4.		Open Elective – III**	OEC	3	0	0	3	3
5.		Open Elective – IV**	OEC	3	0	0	3	3
PRACTICALS								
6.	EC3711	Summer internship	EEC	0	0	0	0	2
TOTAL				14	0	0	14	16

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

[#] Elective - Management shall be chosen from the Elective Management courses.

SEMESTER VIII / VII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	EC3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS : 162

ELECTIVE – MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3

MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Management	MC	3	0	0	3	0

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with traditional practices (Yoga, Ayurveda and Siddha)	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0



PROGRESS THROUGH KNOWLEDGE

PROFESSIONAL ELECTIVE COURSES: VERTICALS

Vertical I Semiconductor Chip Design and Testing	Vertical II Signal Processing	Vertical III RF Technologies	Vertical IV Bio Medical Technologies	Vertical V Underwater Technologies	Vertical VI Sensor Technologies and IoT	Vertical VII Space Technologies	Vertical VIII High Speed Communications
Wide Bandgap Devices	Advanced Digital Signal Processing	RF Transceivers	Wearable Devices	Underwater Instrumentation System	IoT Processors	Radar Technologies	Optical Communication & Networks
Validation and Testing Technology	Image Processing	Signal Integrity	Human Assist Devices	Underwater Imaging Systems and Image Processing	IoT Based System Design	Avionics Systems	Wireless Broad Band Networks
Low Power IC Design	Speech Processing	Antenna Design	Therapeutic Equipment	Underwater Communication	Wireless Sensor Network Design	Positioning and Navigation Systems	4G/5G Communication Networks
VLSI Testing and Design For Testability	Software Defined Radio	MICs and RF System Design	Medical Imaging Systems	Ocean Observation Systems	Industrial IoT and Industry 4.0	Satellite Communication	Software Defined Networks
Mixed Signal IC Design Testing	DSP Architecture and Programming	EMI/EMC Pre Compliance Testing	Brain Computer Interface and Applications	Underwater Navigation Systems	MEMS Design	Remote Sensing	Massive MIMO Networks
Analog IC Design	Computer Vision	RF ID System Design & Testing	Body Area Networks	Ocean Acoustics	Fundamentals of Nanoelectronics	Rocketry and Space Mechanics	Advanced Wireless Communication Techniques

Registration of Professional Elective Courses from Verticals:

Professional Elective Courses will be registered in Semesters V and VI. These courses are listed in groups called verticals that represent a particular area of specialisation / diversified group. Students are permitted to choose all the Professional Electives from a particular vertical or from different verticals. Further, only one Professional Elective course shall be chosen in a semester horizontally (row-wise). However, two courses are permitted from the same row, provided one course is enrolled in Semester V and another in semester VI.

The registration of courses for B.E./B.Tech (Honours) or Minor degree shall be done from Semester V to VIII. The procedure for registration of courses explained above shall be followed for the courses of B.E./B.Tech (Honours) or Minor degree also. For more details on B.E./B.Tech (Honours) or Minor degree refer to the Regulations 2021, Clause 4.10.

PROGRESS THROUGH KNOWLEDGE

PROFESSIONAL ELECTIVE COURSES: VERTICALS

VERTICAL 1: SEMICONDUCTOR CHIP DESIGN AND TESTING

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CEC363	Wide Bandgap Devices	PEC	2	0	2	4	3
2.	CEC361	Validation and Testing Technology	PEC	2	0	2	4	3
3.	CEC370	Low Power IC Design	PEC	2	0	2	4	3
4.	CEC362	VLSI Testing and Design For Testability	PEC	2	0	2	4	3
5.	CEC342	Mixed Signal IC Design Testing	PEC	2	0	2	4	3
6.	CEC334	Analog IC Design	PEC	2	0	2	4	3

VERTICAL 2: SIGNAL PROCESSING

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CEC332	Advanced Digital Signal Processing	PEC	2	0	2	4	3
2.	CEC366	Image Processing	PEC	2	0	2	4	3
3.	CEC356	Speech Processing	PEC	2	0	2	4	3
4.	CEC355	Software Defined Radio	PEC	2	0	2	4	3
5.	CEC337	DSP Architecture and Programming	PEC	2	0	2	4	3
6.	CCS338	Computer Vision	PEC	2	0	2	4	3

PROGRESS THROUGH KNOWLEDGE

VERTICAL 3: RF TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CEC350	RF Transceivers	PEC	2	0	2	4	3
2.	CEC353	Signal Integrity	PEC	2	0	2	4	3
3.	CEC335	Antenna Design	PEC	2	0	2	4	3
4.	CEC341	MICs and RF System Design	PEC	2	0	2	4	3
5.	CEC338	EMI/EMC Pre Compliance Testing	PEC	2	0	2	4	3
6.	CEC349	RF ID System Design & Testing	PEC	2	0	2	4	3

VERTICAL 4: BIO MEDICAL TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CBM370	Wearable Devices	PEC	3	0	0	3	3
2.	CBM352	Human Assist Devices	PEC	3	0	0	3	3
3.	CBM368	Therapeutic Equipment	PEC	3	0	0	3	3
4.	CBM355	Medical Imaging Systems	PEC	3	0	0	3	3
5.	CBM342	Brain Computer Interface and Applications	PEC	3	0	0	3	3
6.	CBM341	Body Area Networks	PEC	3	0	0	3	3

PROGRESS THROUGH KNOWLEDGE

VERTICAL 5: UNDERWATER TECHNOLOGIES

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CEC359	Underwater Instrumentation System	PEC	3	0	0	3	3
2.	CEC358	Underwater Imaging Systems and Image Processing	PEC	2	0	2	4	3
3.	CEC357	Underwater Communication	PEC	2	0	2	4	3
4.	CEC344	Ocean Observation Systems	PEC	2	0	2	4	3
5.	CEC360	Underwater Navigation Systems	PEC	3	0	0	3	3
6.	CEC343	Ocean Acoustics	PEC	2	0	2	4	3

VERTICAL 6: SENSOR TECHNOLOGIES AND IOT

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CEC369	IoT Processors	PEC	2	0	2	4	3
2.	CEC368	IoT Based System Design	PEC	3	0	0	3	3
3.	CEC365	Wireless Sensor Network Design	PEC	3	0	0	3	3
4.	CEC367	Industrial IoT and Industry 4.0	PEC	2	0	2	4	3
5.	CEC340	MEMS Design	PEC	2	0	2	4	3
6.	CEC339	Fundamentals of Nanoelectronics	PEC	2	0	2	4	3

VERTICAL 7: SPACE TECHNOLOGIES

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CEC347	Radar Technologies	PEC	3	0	0	3	3
2.	CEC336	Avionics Systems	PEC	3	0	0	3	3
3.	CEC346	Positioning and Navigation Systems	PEC	3	0	0	3	3
4.	CEC352	Satellite Communication	PEC	3	0	0	3	3
5.	CEC348	Remote Sensing	PEC	3	0	0	3	3
6.	CEC351	Rocketry and Space Mechanics	PEC	3	0	0	3	3

VERTICAL 8: HIGH SPEED COMMUNICATIONS

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CEC345	Optical Communication & Networks	PEC	3	0	0	3	3
2.	CEC364	Wireless Broad Band Networks	PEC	3	0	0	3	3
3.	CEC331	4G/5G Communication Networks	PEC	2	0	2	4	3
4.	CEC354	Software Defined Networks	PEC	2	0	2	4	3
5.	CEC371	Massive MIMO Networks	PEC	3	0	0	3	3
6.	CEC333	Advanced Wireless Communication Techniques	PEC	3	0	0	3	3

OPEN ELECTIVES

(Students shall choose the open elective courses, such that the course contents are not similar to any other course contents/title under other course categories).

OPEN ELECTIVES – I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OAS351	Space Science	OEC	3	0	0	3	3
2.	OIE351	Introduction to Industrial Engineering	OEC	3	0	0	3	3
3.	OBT351	Climate Change and its Impact	OEC	3	0	0	3	3
4.	OCE351	Environment and Social Impact Assessment	OEC	3	0	0	3	3
5.	OEE351	Renewable Energy System	OEC	3	0	0	3	3
6.	OEI351	Introduction to Industrial Instrumentation and Control	OEC	3	0	0	3	3
7.	OMA351	Graph Theory	OEC	3	0	0	3	3
8.	OCS355	Deep Learning	OEC	3	0	0	3	3
9.	OCS356	Digital Marketing	OEC	3	0	0	3	3

OPEN ELECTIVES – II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OIE352	Resource Management Techniques	OEC	3	0	0	3	3
2.	OMG351	Fintech Regulations	OEC	3	0	0	3	3
3.	OFD351	Holistic Nutrition	OEC	3	0	0	3	3
4.	OCE352	ICT in Agriculture	OEC	3	0	0	3	3
5.	OEI352	Introduction to Control Engineering	OEC	3	0	0	3	3
6.	OPY351	Pharmaceutical Nanotechnology	OEC	3	0	0	3	3
7.	OAE351	Aviation Management	OEC	3	0	0	3	3
8.	OCS357	DevOps	OEC	3	0	0	3	3
9.	OCS358	Robotics Process Automation	OEC	3	0	0	3	3

OPEN ELECTIVES – III

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS351	English for Competitive Examinations	OEC	3	0	0	3	3
2.	OMG352	NGOs and Sustainable Development	OEC	3	0	0	3	3
3.	OMG353	Democracy and Good Governance	OEC	3	0	0	3	3
4.	OME353	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	2	0	2	4	3
6.	OMF351	Reverse Engineering	OEC	3	0	0	3	3
7.	OMF353	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	OAU351	Electric and Hybrid Vehicle	OEC	3	0	0	3	3
9.	OAS352	Space Engineering	OEC	3	0	0	3	3
10.	OIM351	Industrial Management	OEC	3	0	0	3	3
11.	OIE354	Quality Engineering	OEC	3	0	0	3	3
12.	OSF351	Fire Safety Engineering	OEC	3	0	0	3	3
13.	OML351	Introduction to Non-Destructive Testing	OEC	3	0	0	3	3
14.	OMR351	Mechatronics	OEC	3	0	0	3	3
15.	ORA351	Foundation of Robotics	OEC	3	0	0	3	3
16.	OAE352	Fundamentals of Aeronautical Engineering	OEC	3	0	0	3	3
17.	OGI351	Remote Sensing Concepts	OEC	3	0	0	3	3
18.	OAI351	Urban Agriculture	OEC	3	0	0	3	3
19.	OEN351	Drinking Water Supply and Treatment	OEC	3	0	0	3	3
20.	OEE352	Electric Vehicle Technology	OEC	3	0	0	3	3
21.	OEI353	Introduction to PLC Programming	OEC	3	0	0	3	3
22.	OCH351	Nano Technology	OEC	3	0	0	3	3
23.	OCH352	Functional Materials	OEC	3	0	0	3	3
24.	OBT352	Biomedical Instrumentation	OEC	3	0	0	3	3
25.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
26.	OFD353	Introduction to Food Processing	OEC	3	0	0	3	3
27.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
28.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
29.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
30.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
31.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3

32.	OPE352	Energy Conservation and Management	OEC	3	0	0	3	3
33.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
34.	OBM351	Foundation Skills in Integrated Product Development	OEC	3	0	0	3	3
35.	OBM352	Assistive Technology	OEC	3	0	0	3	3
36.	OMA352	Operations Research	OEC	3	0	0	3	3
37.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
38.	OMA354	Linear Algebra	OEC	3	0	0	3	3
39.	OCE353	Lean Concepts, Tools and Practices	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS352	Project Report Writing	OEC	3	0	0	3	3
2.	OMA355	Advanced Numerical Methods	OEC	3	0	0	3	3
3.	OMA356	Random Processes	OEC	3	0	0	3	3
4.	OMA357	Queuing and Reliability Modelling	OEC	3	0	0	3	3
5.	OMG354	Production and Operations Management for Entrepreneurs	OEC	3	0	0	3	3
6.	OMG355	Multivariate Data Analysis	OEC	3	0	0	3	3
7.	OME352	Additive Manufacturing	OEC	3	0	0	3	3
8.	OME353	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	2	0	2	4	3
10.	OMF352	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
12.	OAU352	Batteries and Management system	OEC	3	0	0	3	3
13.	OAU353	Sensors and Actuators	OEC	3	0	0	3	3
14.	OAS353	Space Vehicles	OEC	3	0	0	3	3
15.	OIM352	Management Science	OEC	3	0	0	3	3
16.	OIM353	Production Planning and Control	OEC	3	0	0	3	3
17.	OIE353	Operations Management	OEC	3	0	0	3	3
18.	OSF352	Industrial Hygiene	OEC	3	0	0	3	3
19.	OSF353	Chemical Process Safety	OEC	3	0	0	3	3
20.	OML352	Electrical, Electronic and Magnetic materials	OEC	3	0	0	3	3

21.	OML353	Nanomaterials and applications	OEC	3	0	0	3	3
22.	OMR352	Hydraulics and Pneumatics	OEC	3	0	0	3	3
23.	OMR353	Sensors	OEC	3	0	0	3	3
24.	ORA352	Foundation of Automation	OEC	3	0	0	3	3
25.	ORA353	Concepts in Mobile Robotics	OEC	3	0	0	3	3
26.	OMV351	Marine Propulsion	OEC	3	0	0	3	3
27.	OMV352	Marine Merchant Vehicles	OEC	3	0	0	3	3
28.	OMV353	Elements of Marine Engineering	OEC	3	0	0	3	3
29.	OAE353	Drone Technologies	OEC	3	0	0	3	3
30.	OGI352	Geographical Information System	OEC	3	0	0	3	3
31.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
32.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
33.	OEE353	Introduction to control systems	OEC	3	0	0	3	3
34.	OEI354	Introduction to Industrial Automation Systems	OEC	3	0	0	3	3
35.	OCH353	Energy Technology	OEC	3	0	0	3	3
36.	OCH354	Surface Science	OEC	3	0	0	3	3
37.	OBT353	Environment and Agriculture	OEC	3	0	0	3	3
38.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
39.	OFD355	Food Safety and Quality Regulations	OEC	3	0	0	3	3
40.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
41.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
42.	OTT355	Fibre Science	OEC	3	0	0	3	3
43.	OTT356	Garment Manufacturing Technology	OEC	3	0	0	3	3
44.	OPE353	Industrial safety	OEC	3	0	0	3	3
45.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
46.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3
47.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
48.	OBM353	Wearable devices	OEC	3	0	0	3	3
49.	OBM354	Medical Informatics	OEC	3	0	0	3	3
50.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3

SUMMARY

Name of the Programme: B.E. Electronics and Communication Engineering										
S.No	Subject Area	Credits per Semester								Total Credits
		I	II	III	IV	V	VI	VII/VIII	VIII/VII	
1	HSMC	4	3					5		12
2	BSC	12	7	4	2					25
3	ESC	5	9	3			4			21
4	PCC		5	17	20	12	4			58
5	PEC					9	9			18
6	OEC						3	9		12
7	EEC	1	2	1				2	10	16
8	Non-Credit /(Mandatory)					√	√			
Total		22	26	25	22	21	20	16	10	162

ENROLLMENT FOR B.E. / B. TECH. (HONOURS) / MINOR DEGREE (OPTIONAL)

A student can also optionally register for additional courses (18 credits) and become eligible for the award of B.E. / B. Tech. (Honours) or Minor Degree.

For B.E. / B. Tech. (Honours), a student shall register for the additional courses (18 credits) from semester V onwards. These courses shall be from the same vertical or a combination of different verticals of the same programme of study only.

For minor degree, a student shall register for the additional courses (18 credits) from semester V onwards. All these courses have to be in a particular vertical from any one of the other programmes, Moreover, for minor degree the student can register for courses from any one of the following verticals also.

Complete details are available in clause 4.10 of Regulations 2021.

VERTICALS FOR MINOR DEGREE
(In addition to all the verticals of other programmes)

Vertical I Fintech and Block Chain	Vertical II Entrepreneurship	Vertical III Public Administration	Vertical IV Business Data Analytics	Vertical V Environment and Sustainability
Financial Management	Foundations of Entrepreneurship	Principles of Public Administration	Statistics for Management	Sustainable infrastructure Development
Fundamentals of Investment	Team Building & Leadership Management for Business	Constitution of India	Datamining for Business Intelligence	Sustainable Agriculture and Environmental Management
Banking, Financial Services and Insurance	Creativity & Innovation in Entrepreneurship	Public Personnel Administration	Human Resource Analytics	Sustainable Bio Materials
Introduction to Blockchain and its Applications	Principles of Marketing Management For Business	Administrative Theories	Marketing and Social Media Web Analytics	Materials for Energy Sustainability
Fintech Personal Finance and Payments	Human Resource Management for Entrepreneurs	Indian Administrative System	Operation and Supply Chain Analytics	Green Technology
Introduction to Fintech	Financing New Business Ventures	Public Policy Administration	Financial Analytics	Environmental Quality Monitoring and Analysis
-	-	-	-	Integrated Energy Planning for Sustainable Development
-	-	-	-	Energy Efficiency for Sustainable Development

PROGRESS THROUGH KNOWLEDGE

(choice of courses for Minor degree is to be made from any one vertical of other programmes or from anyone of the following verticals)

VERTICAL 1: FINTECH AND BLOCK CHAIN

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG331	Financial Management	PEC	3	0	0	3	3
2.	CMG332	Fundamentals of Investment	PEC	3	0	0	3	3
3.	CMG333	Banking, Financial Services and Insurance	PEC	3	0	0	3	3
4.	CMG334	Introduction to Blockchain and its Applications	PEC	3	0	0	3	3
5.	CMG335	Fintech Personal Finance and Payments	PEC	3	0	0	3	3
6.	CMG336	Introduction to Fintech	PEC	3	0	0	3	3

VERTICAL 2: ENTREPRENEURSHIP

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG337	Foundations of Entrepreneurship	PEC	3	0	0	3	3
2.	CMG338	Team Building & Leadership Management for Business	PEC	3	0	0	3	3
3.	CMG339	Creativity & Innovation in Entrepreneurship	PEC	3	0	0	3	3
4.	CMG340	Principles of Marketing Management For Business	PEC	3	0	0	3	3
5.	CMG341	Human Resource Management for Entrepreneurs	PEC	3	0	0	3	3
6.	CMG342	Financing New Business Ventures	PEC	3	0	0	3	3

VERTICAL 3: PUBLIC ADMINISTRATION

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG343	Principles of Public Administration	PEC	3	0	0	3	3
2.	CMG344	Constitution of India	PEC	3	0	0	3	3
3.	CMG345	Public Personnel Administration	PEC	3	0	0	3	3
4.	CMG346	Administrative Theories	PEC	3	0	0	3	3
5.	CMG347	Indian Administrative System	PEC	3	0	0	3	3
6.	CMG348	Public Policy Administration	PEC	3	0	0	3	3

VERTICAL 4: BUSINESS DATA ANALYTICS

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG349	Statistics for Management	PEC	3	0	0	3	3
2.	CMG350	Data Mining for Business Intelligence	PEC	3	0	0	3	3
3.	CMG351	Human Resource Analytics	PEC	3	0	0	3	3
4.	CMG352	Marketing and Social Media Web Analytics	PEC	3	0	0	3	3
5.	CMG353	Operation and Supply Chain Analytics	PEC	3	0	0	3	3
6.	CMG354	Financial Analytics	PEC	3	0	0	3	3

PROGRESS THROUGH KNOWLEDGE

VERTICAL 5: ENVIRONMENT AND SUSTAINABILITY

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CES331	Sustainable infrastructure Development	PEC	3	0	0	3	3
2.	CES332	Sustainable Agriculture and Environmental Management	PEC	3	0	0	3	3
3.	CES333	Sustainable Bio Materials	PEC	3	0	0	3	3
4.	CES334	Materials for Energy Sustainability	PEC	3	0	0	3	3
5.	CES335	Green Technology	PEC	3	0	0	3	3
6.	CES336	Environmental Quality Monitoring and Analysis	PEC	3	0	0	3	3
7.	CES337	Integrated Energy Planning for Sustainable Development	PEC	3	0	0	3	3
8.	CES338	Energy Efficiency for Sustainable Development	PEC	3	0	0	3	3



CO, PO and PSO Mapping

Year	Semester	Course name	PO												PSO		
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
I	I	Professional English - I															
		Matrices and Calculus															
		Engineering Physics															
		Engineering Chemistry															
		Problem Solving and Python Programming															
		Problem Solving and Python Programming Laboratory															
		Physics and Chemistry Laboratory															
	II	Professional English - II															
		Statistics and Numerical Methods															
		Physics for Electronics Engineering															
		Electrical and Instrumentation Engineering															
		Engineering Graphics															
		Circuit Analysis	3	3	3	2	2	2	-	-	-	-	2	3	2	-	-
II	iii	Engineering Practices Laboratory															
		Circuits Analysis Laboratory	3	3	3	2	3	2	-	-	-	-	2	3	-	1	1
		Random Process and Linear Algebra															
		Data Structures															
		Signals and Systems	3	3	3	3	3	2	-	-	-	-	-	3	2	3	1

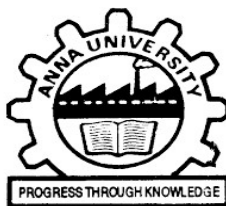
		Electronics Devices and Circuits	3	3	3	3	2	2	-	-	-	-	-	1	2	1	1
		Control Systems	3	3	3	3	2	2	-	-	-	-	2	3	3	3	2
		Digital Systems Design	3	3	3	2	2	2	-	-	-	-	2	2	3	3	2
		Electronics Devices and Circuits Lab	3	3	2	3	2	1	-	-	-	-	-	1	2	1	1
		Data Structures Lab															
	IV	Electromagnetic Fields	3	3	3	3	2	2	-	-	-	-	2	3	3	2	1
		Embedded Systems and IOT Design	3	3	2	2	3	2	-	-	-	-	2	2	3	2	2
		Linear Integrated Circuits	3	2	3	2	3	1	-	-	-	-	1	1	2	1	1
		Digital Signal Processing	3	3	3	3	2	2	-	-	-	-	2	2	2	2	2
		Communication Systems	3	3	3	2	2	2	-	-	-	-	2	2	3	2	2
		Environmental Science and Sustainability *															
		Communication Systems Lab	3	3	3	3	3	-	-	-	2	-	-	2	3	3	3
		Linear Integrated Circuits Lab	3	2	3	2	3	1	-	-	-	-	1	1	2	1	1
III	V	Wireless Communication	3	3	2	2	2	2	-	-	-	-	-	1	3	1	2
		VLSI and Chip Design	3	3	2	2	1	2	-	-	-	-	2	2	3	3	3
		Transmission lines and RF Systems	3	3	3	3	2	1	-	-	-	-	-	1	2	1	1
		Mandatory Course - I															
		Life Skills and Soft Skills															
		VLSI Lab	3	2	3	1	2	-	-	-	-	-	-	-	2	2	2
	VI	Networks and Security	2	2	2	2	2	3	2	-	-	-	-	1	3	3	3
		Artificial Intelligence and Machine Learning															
IV	VII	Ethics and Human values															
		Elective Management															
	VIII	Project Work	3	3	2	3	2	3	-	1	3	3	2	2	3	3	2
Vertical I		Semiconductor Chip Design and Testing															

		Wide Bandgap Devices and Testing	3	3	3	3	2	-	-	-	-	-	-	-	2	2	2
		Design for Testability															
		Low Power IC Design and Test	3	3	2	2	2	-	-	-	-		1	2	2	2	
		Validation and Testing Technology	3	2	2	3	2	2	2	-	-	2	2	2	2	2	
		Mixed Signal (SoC) IC Design Testing	3	3	3	2	2	2	-	-	-	-	2	2	2	2	
		Analog IC Design & Testing	3	3	3	2	2	2	-	-	-	-	2	3	2	2	
Vertical II		Signal Processing															
		Advanced Digital Signal Processing	3	3	3	2	2	2	-	-	-	-	2	3	2	2	
		Digital Image processing	3	3	3	2	2	2	-	-	-	-	2	2	2	2	
		Speech processing	3	3	3	2	2	2	-	-	-	-	2	2	2	2	
		Software Defined Radio	3	3	3	2	2	2	-	-	-	-	2	2	2	2	
		DSP Architecture and Programming	3	3	3	2	2	2	-	-	-	-	2	2	3	2	
		Computer Vision	3	3	3	2	3	3	-	-	-	-	2	3	3	2	
Vertical III		RF Technologies															
		RF Transceivers	3	3	3	3	2	-	-	-	-	-	-	2	2	2	
		Signal Integrity	3	3	3	2	2	2	-	-	-	-	2	2	2	2	
		Antenna and Beamforming Design	3	3	2	2	2	1	-	-	-	-	2	3	2	2	
		MICs and RF System Design	3	3	2	2	3	2	2	-	2	-	1	3	2	2	
		EMI/EMC Pre compliance Testing	3	3	2	2	2	2	-	-	-	-	2	2	2	2	
		RF ID System Design & Testing	3	3	3	2	3	3	-	-	-	-	2	3	3	2	
Vertical IV		Bio Medical Technologies															
		Wearable Devices	3	3	3	2	2	2	-	-	-	-	2	3	2	2	

	Human Assist Devices	3	3	2	2	3	2	-	-	-	-	2	2	3	2	2
	Therapeutic Equipment	3	2	2	3	2	2	2	-	-	-	2	2	2	2	2
	Medical Imaging Systems	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2
	Brain Computer Interface and Applications	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2
	Body Area Networks	2	2	2	2	2	3	2	-	-	-	-	1	3	3	3
Vertical V		Underwater Technologies														
	Underwater Instrumentation System	3	3	3	2	3	3	-	-	-	-	-	2	3	3	2
	Underwater Imaging Systems and Image Processing	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2
	Underwater Communication	2	2	2	2	2	3	2	-	-	-	-	1	3	3	3
	Ocean Observation Systems	3	3	2	2	2	2	-	-	-	-	-	2	2	2	2
	Underwater Navigation Systems	3	3	3	2	2	2	-	-	-	-	-	2	3	2	2
	Ocean Acoustics	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2
Vertical VI		Sensor Technologies and IoT														
	IoT Processors	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2
	IoT Based System Design	3	3	2	2	1	2	-	-	-	-	2	2	3	3	3
	Wireless Sensor Network Design	3	3	3	3	2	2	-	-	-	-	2	3	3	2	1
	Industrial IoT and Industry 4.0	2	2	2	2	2	3	2	-	-	-	-	1	3	3	3
	MEMS Design	3	3	2	2	3	2	2	-	2	-	-	1	3	2	2
	Fundamentals of Nanoelectronics	3	3	3	3	2	2	-	-	-	-	-	1	2	1	1
Vertical VII		Space Technologies														
	RADAR Technologies	3	3	3	3	2	2	-	-	-	-	2	2	2	2	2
	Avionics Systems	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2
	Positioning and Navigation	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2

	Systems															
	Satellite Communication	3	3	3	3	2	3	1	1	-	1	-	1	3	3	
	Remote Sensing	2	2	2	2	2	3	2	-	-	-	-	1	3	3	3
	Rocketry and Space Mechanics	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2
Vertical VIII		High Speed Communications														
	Optical Communication & Networks	3	3	2	3	3	1	-	-	-	-	-	1	2	1	2
	Wireless Broad Band Networks	3	3	3	3	2	2	-	-	-	-	2	3	3	2	1
	4G/5G Communication Networks	3	3	3	3	2	-	-	-	-	-	-	-	2	2	2
	Software Defined Networks	3	3	3	2	2	2	-	-	-	-	-	2	2	2	2
	Massive MIMO Networks	3	3	2	2	3	2	-	-	-	-	2	2	3	2	2
	Advanced Wireless Communication Techniques	3	3	3	2	2	2	-	-	-	-	-	2	3	2	2

PROGRESS THROUGH KNOWLEDGE



ANNA UNIVERSITY, CHENNAI
NON-AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

1. PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):

- I. Find employment in Core Electrical and Electronics Engineering and service sectors.
- II. Get elevated to technical lead position and lead the organization competitively.
- III. Enter into higher studies leading to post-graduate and research degrees.
Become consultant and provide solutions to the practical problems of core organization.
- IV. Become an entrepreneur and be part of electrical and electronics product and service industries.

2. PROGRAMME OUTCOMES (POs):

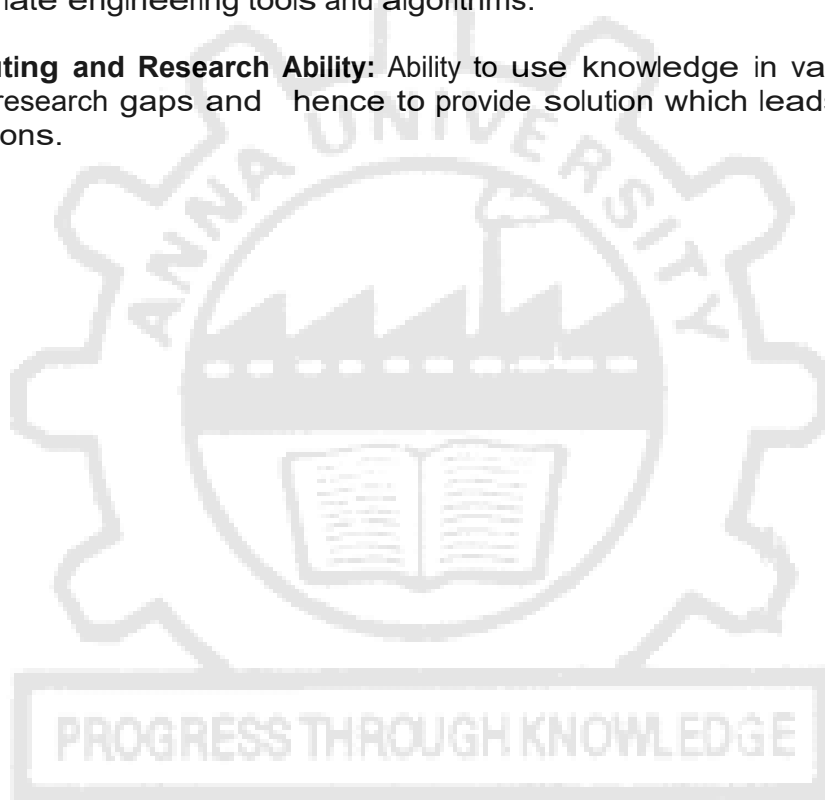
After going through the four years of study, our Electrical and Electronics Engineering Graduates will exhibit ability to:

PO#	Graduate Attribute	Programme Outcome
1	Engineering knowledge	Apply knowledge of mathematics, basic science and engineering science.
2	Problem analysis	Identify, formulate and solve engineering problems.
3	Design/development of solutions	Design an electrical system or process to improve its performance, satisfying its constraints.
4	Conduct investigations of complex problems	Conduct experiments in electrical and electronics systems and interpret the data.
5	Modern tool usage	Apply various tools and techniques to improve the efficiency of the system.
6	The Engineer and society	Conduct themselves to uphold the professional and social obligations.
7	Environment and sustainability	Design the system with environment consciousness and sustainable development.
8	Ethics	Interacting industry, business and society in a professional and ethical manner.
9	Individual and team work	Function in a multidisciplinary team.
10	Communication	Proficiency in oral and written Communication.
11	Project management and finance	Implement cost effective and improved system.
12	Life-long learning	Continue professional development and learning as a life-long activity.

3. PROGRAM SPECIFIC OUTCOMES (PSOs):

On completion of Electrical and Electronics Engineering program, the student will have the following Program Specific Outcomes.

1. **Foundation of Electrical Engineering:** Ability to understand the principles and working of electrical components, circuits, systems and control that are forming a part of power generation, transmission, distribution, utilization, conservation and energy saving. Students can assess the power management, auditing, crisis and energy saving aspects.
2. **Foundation of Mathematical Concepts:** Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.
3. **Computing and Research Ability:** Ability to use knowledge in various domains to identify research gaps and hence to provide solution which leads to new ideas and innovations.



SEMESTER	COURSE CODE	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
I	Induction Programme															
	Professional English - I															
	Matrices and Calculus															
	Engineering Physics															
	Engineering Chemistry															
	Problem Solving and Python Programming															
	தமிழர் மரபு / Heritage of Tamils															
	Problem Solving and Python Programming Laboratory															
	Physics and Chemistry Laboratory															
	English Laboratory ^s															
II	Professional English - II															
	Statistics and Numerical Methods															
	Physics for Electrical Engineering															
	Basic Civil and Mechanical Engineering															
	Engineering Graphics															
	Electric Circuit Analysis															
	தமிழரும் தொழில்நுட்பமும் / Tamils and Technology															
	Engineering Practices Laboratory															
	Electric Circuits Laboratory															
	Communication Laboratory / Foreign Language ^s															
III	Probability and Complex Functions															
	Electromagnetic Fields	2.2	1.2	1	1		2				1			3	3	3
	Digital Logic Circuits	3	3	3	1	3							1	3		1
	Electron Devices and Circuits	2	2	3	2	2							1	3		1
	Electrical Machines - I	3	3	1	1	1								3	3	3
	C Programming and Data Structures	3	2.33	2.5	2.2	2.25	2.33	-	1	1	1	-	1.5	-	-	-

	Electronic Devices and Circuits Laboratory	-	3	2.7	3	3						3			3	3
	Electrical Machines Laboratory – I	3	3	1	1					1				3		
	C Programming and Data Structures Laboratory	2	-	1.2	-	3	2	-	2	3	3	-	3	-	-	-
	Professional Development [§]															
IV	Environmental Sciences and Sustainability															
	Transmission and Distribution	2.8	1.8	1	1		1		1.8					3	2.4	3
	Linear Integrated Circuits	2	2	3	2	2							1	3		1
	Measurements and Instrumentation	3	2	3	2	3	2		2		3		3	3	3	3
	Microprocessor and Microcontroller	2	1	2	3									3	1	3
	Electrical Machines - II	3	3	1	1	1								3	3	
	Electrical Machines Laboratory - II	3	3	1	1					1			3	3	3	3
	Linear and Digital Circuits Laboratory	-	3	1.6	3	3						3		2	1	2
	Microprocessor and Microcontroller laboratory	2	1	2	3									3	1	3
V	Power System Analysis	3	3	1	1	2	1	1	1	1	1	1	2	3	3	3
	Power Electronics	3	3	3	3			1.5				2.25	3	3	3	3
	Control Systems	3	3	3	3	3							3	3	3	3
	Power Electronics Laboratory	3	3	3	3	3								3	3	3
	Control and Instrumentation Laboratory	3	3	3	3	3							2	3	3	3
VI	Protection and Switchgear	3	1	1	2	1.2	2	1	1	1	1	2		3	3	3
	Power System Operation and Control	2	1.6	1	1		1		1.6		2			3	3	3
	Power System Laboratory	3	3	2	2	3			2	1	2			3	3	3
VII	High Voltage Engineering	2	1.6	1	1		1		1.6		2			3	3	3
	Human Values and Ethics															
VIII	Project Work / Internship															

ANNA UNIVERSITY, CHENNAI
NON-AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM
B.E. ELECTRICAL AND ELECTRONICS ENGINEERING
CURRICULUM FOR SEMESTERS I TO VIII AND SYLLABI FOR SEMESTERS III AND IV
SEMESTER – I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3151	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு / Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory \$	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

\$ Skill Based Course

SEMESTER – II

S. NO.	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3251	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3202	Physics for Electrical Engineering	BSC	3	0	0	3	3
4.	BE3255	Basic Civil and Mechanical Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	EE3251	Electric Circuit Analysis	PCC	3	1	0	4	4
7.		NCC Credit Course Level1 [#]	-	2	0	0	2	2 [#]
8.	GE3252	தமிழரும் தொழில்நுட்பமும் / Tamils and Technology	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
9.	EE3271	Electric Circuits Laboratory	PCC	0	0	4	4	2
	GE3272	Communication Laboratory / Foreign Language ^{\$}	EEC	0	0	4	4	2
TOTAL				17	2	16	35	27

[#] NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

^{\$} Skill Based Course

SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3303	Probability and Complex Functions	BSC	3	1	0	4	4
2.	EE3301	Electromagnetic Fields	PCC	3	1	0	4	4
3.	EE3302	Digital Logic Circuits	PCC	3	0	0	3	3
4.	EC3301	Electron Devices and Circuits	PCC	3	0	0	3	3
5.	EE3303	Electrical Machines - I	PCC	3	0	0	3	3
6.	CS3353	C Programming and Data Structures	PCC	3	0	0	3	3
PRACTICALS								
7.	EC3311	Electronic Devices and Circuits Laboratory	PCC	0	0	3	3	1.5
8.	EE3311	Electrical Machines Laboratory – I	PCC	0	0	3	3	1.5
9.	CS3362	C Programming and Data Structures Laboratory	PCC	0	0	3	3	1.5
10.	GE3361	Professional Development ^{\$}	EEC	0	0	2	2	1
TOTAL				18	2	11	31	25.5

\$ Skill Based Course

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
2.	EE3401	Transmission and Distribution	PCC	3	0	0	3	3
3.	EE3402	Linear Integrated Circuits	PCC	3	0	0	3	3
4.	EE3403	Measurements and Instrumentation	PCC	3	0	0	3	3
5.	EE3404	Microprocessor and Microcontroller	PCC	3	0	0	3	3
6.	EE3405	Electrical Machines - II	PCC	3	0	0	3	3
7.		NCC Credit Course Level 2 [#]		3	0	0	3	3 [#]
PRACTICALS								
8.	EE3411	Electrical Machines Laboratory - II	PCC	0	0	3	3	1.5
9.	EE3412	Linear and Digital Circuits Laboratory	PCC	0	0	3	3	1.5
10.	EE3413	Microprocessor and Microcontroller laboratory	PCC	0	0	3	3	1.5
TOTAL				17	0	9	26	21.5

NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

SEMESTER V

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	EE3501	Power System Analysis	PCC	3	0	0	3	3
2.	EE3591	Power Electronics	PCC	3	0	0	3	3
3.	EE3503	Control Systems	PCC	3	0	0	3	3
4.		Professional Elective I	PEC	3	0	0	3	3
5.		Professional Elective II	PEC	3	0	0	3	3
6.		Professional Elective III	PEC	3	0	0	3	3
7.		Mandatory Course-I ^{&}	MC	3	0	0	3	0
PRACTICALS								
8.	EE3511	Power Electronics Laboratory	PCC	0	0	3	3	1.5
9.	EE3512	Control and Instrumentation Laboratory	PCC	0	0	4	4	2
TOTAL				21	0	7	28	21.5

[&] Mandatory Course-I is a Non-credit Course (Student shall select one course from the list given under MC-I)

SEMESTER VI

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	EE3601	Protection and Switchgear	PCC	3	0	0	3	3
2.	EE3602	Power System Operation and Control	PCC	3	0	0	3	3
3.		Open Elective – I*	OEC	3	0	0	3	3
4.		Professional Elective IV	PEC	3	0	0	3	3
5.		Professional Elective V	PEC	3	0	0	3	3
6.		Professional Elective VI	PEC	3	0	0	3	3
7.		Mandatory Course-II ^{&}	MC	3	0	0	3	0
8.		NCC Credit Course Level 3 [#]		3	0	0	3	3 [#]
PRACTICALS								
9.	EE3611	Power System Laboratory	PCC	0	0	3	3	1.5
TOTAL				21	0	3	24	19.5

* Open Elective – I shall be chosen from the emerging technologies

[&] Mandatory Course-II is a Non-credit Course (Student Shall select one course from the list given under MC-II)

[#] NCC Credit Course level 3 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA

SEMESTER VII/VIII *

SEMESTER VII/VIII								
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	EE3701	High Voltage Engineering	PCC	3	0	0	3	3
2.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
3.		Elective – Management [#]	HSMC	3	0	0	3	3
4.		Open Elective – II**	OEC	3	0	0	3	3
5.		Open Elective – III ***	OEC	3	0	0	3	3
6.		Open Elective – IV ***	OEC	3	0	0	3	3
7		Professional Elective VII	PEC	3	0	0	3	3
			TOTAL	20	0	0	20	20

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

[#] Elective - Management shall be chosen from the Elective Management Courses

^{**}Open Elective – II shall be chosen from the emerging technologies

^{***}Open Elective III and IV (shall be chosen from the list of open electives offered by other Programmes).

SEMESTER VIII/VII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	EE3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS: 167

PROGRESS THROUGH KNOWLEDGE

MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Management	MC	3	0	0	3	0

MANDATORY COURSES II

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices (Yoga, Ayurveda and Siddha)	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0

ELECTIVE - MANAGEMENT COURSES

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3

PROFESSIONAL ELECTIVE COURSES : VERTICALS

Professional Elective	Vertical I Power Engineering	Vertical II Converters and Drives	Vertical III Embedded Systems	Vertical IV Electric Vehicle Technology	Vertical V Advanced Control	Vertical VI (Diversified Courses)
1.	Utilization and Conservation of Electrical Energy	Special Electrical Machines	Embedded System Design	Electric Vehicle Architecture	Process Modeling and Simulation	Energy Storage Systems
2.	Under Ground Cable Engineering	Analysis of Electrical Machines	Embedded C-Programming	Design of Motor and Power Converters for Electric Vehicles	Computer Control of Processes	Hybrid Energy Technology
3.	Substation Engineering and Substation and Substation Automation	Multilevel Power Converters	Embedded Processors	Electric Vehicle Design, Mechanics and Control	System Identification	Design and Modelling of Renewable Energy Systems
4.	HVDC and FACTS	Electrical Drives	Embedded Control for Electrical Drives	Design of Electric Vehicle Charging System	Model Based Control	Grid integrating Techniques and Challenges
5.	Energy Management and Auditing	SMPS and UPS	Smart System Automation	Testing of Electric Vehicles	Non Linear Control	Sustainable and Environmental Friendly HV Insulation System
6.	Power Quality	Power Electronics for Renewable Energy Systems	Embedded System for Automotive Applications.	Grid Integration of Electric Vehicles	Optimal Control	Power System Transients
7.	Smart Grids	Control of Power Electronics Circuits	VLSI Design	Intelligent control of Electric Vehicles.	Adaptive Control	PLC Programming
8.	Restructured Power Market	-	MEMS and NEMS	-	Machine Monitoring System	Big Data Analytics
9.	-	-	Digital Signal Processing System	-	-	-

Registration of Professional Elective Courses from Verticals:

Professional Elective Courses will be registered in Semesters V and VI. These courses are listed in groups called verticals that represent a particular area of specialisation / diversified group. Students are permitted to choose all the Professional Electives from a particular vertical or from different verticals. Further, only one Professional Elective course shall be chosen in a semester horizontally (row-wise). However, two courses are permitted from the same row, provided one course is enrolled in Semester V and another in semester VI.

The registration of courses for B.E./B.Tech (Honours) or Minor degree shall be done from Semester V to VIII. The procedure for registration of courses explained above shall be followed for the courses of B.E./B.Tech (Honours) or Minor degree also. For more details on B.E./B.Tech (Honours) or Minor degree refer to the Regulations 2021, Clause 4.10.

Total number of courses per vertical may change in the each programme of study as 6 or 7 or 8. If there is shortage of courses in a vertical the same may be chosen from another vertical of the same programme.

PROFESSIONAL ELECTIVE COURSES : VERTICALS

VERTICAL I : POWER ENGINEERING

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	EE3001	Utilization and Conservation of Electrical Energy	PEC	3	0	0	3	3
2.	EE3002	Under Ground Cable Engineering	PEC	3	0	0	3	3
3.	EE3003	Substation Engineering and Substation and Substation Automation	PEC	3	0	0	3	3
4.	EE3004	HVDC and FACTS	PEC	2	0	2	4	3
5.	EE3005	Energy Management and Auditing	PEC	2	0	2	4	3
6.	EE3006	Power Quality	PEC	2	0	2	4	3
7.	EE3007	Smart Grids	PEC	3	0	0	3	3
8.	EE3008	Restructured Power Market	PEC	3	0	0	3	3

VERTICAL II : CONVERTERS AND DRIVES

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	EE3009	Special Electrical Machines	PEC	2	0	2	4	3
2.	EE3010	Analysis of Electrical Machines	PEC	2	0	2	4	3
3.	EE3011	Multilevel Power Converters	PEC	2	0	2	4	3
4.	EE3012	Electrical Drives	PEC	2	0	2	4	3
5.	EE3013	SMPS and UPS	PEC	2	0	2	4	3
6.	EE3014	Power Electronics for Renewable Energy Systems	PEC	2	0	2	4	3
7.	EE3015	Control of Power Electronics Circuits	PEC	1	0	4	5	3

VERTICAL III : EMBEDDED SYSTEMS

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	EE3016	Embedded System Design	PEC	2	0	2	4	3
2.	EE3017	Embedded C-programming	PEC	2	0	2	4	3
3.	EE3018	Embedded Processors	PEC	2	0	2	4	3
4.	EE3019	Embedded Control for Electrical Drives	PEC	2	0	2	4	3
5.	EE3020	Smart System Automation	PEC	2	0	2	4	3
6.	EE3021	Embedded System for Automotive Applications	PEC	2	0	2	4	3
7.	EE3022	VLSI Design	PEC	2	0	2	4	3
8.	EE3023	MEMS and NEMS	PEC	2	0	2	4	3
9.	EE3024	Digital Signal Processing System	PEC	2	0	2	4	3

VERTICAL IV : ELECTRIC VEHICLE TECHNOLOGY

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	EE3025	Electric Vehicle Architecture	PEC	2	0	2	4	3
2.	EE3026	Design of Motor and Power Converters for Electric Vehicles	PEC	1	0	4	5	3
3.	EE3027	Electric Vehicle Design, Mechanics and Control	PEC	2	0	2	4	3
4.	EE3028	Design of Electric Vehicle Charging System	PEC	2	0	2	4	3
5.	EE3029	Testing of Electric Vehicles	PEC	2	0	2	4	3
6.	EE3030	Grid Integration of Electric Vehicles	PEC	2	0	2	4	3
7.	EE3031	Intelligent Control of Electric Vehicles	PEC	1	0	4	5	3

VERTICAL V : ADVANCED CONTROL

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CIC331	Process Modeling and Simulation	PEC	3	0	0	3	3
2.	CIC332	Computer Control of Processes	PEC	3	0	0	3	3
3.	CIC333	System Identification	PEC	3	0	0	3	3
4.	CIC336	Model Based Control	PEC	3	0	0	3	3
5.	CIC334	Non Linear Control	PEC	3	0	0	3	3
6.	CIC337	Optimal Control	PEC	3	0	0	3	3
7.	CIC335	Adaptive Control	PEC	3	0	0	3	3
8.	CIC338	Machine Monitoring System	PEC	3	0	0	3	3

VERTICAL VI - (DIVERSIFIED COURSES)

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	EE3032	Energy Storage Systems	PEC	3	0	0	3	3
2.	EE3033	Hybrid Energy Technology	PEC	2	0	2	4	3
3.	EE3034	Design and Modeling of Renewable Energy Systems	PEC	2	0	2	4	3
4.	EE3035	Grid integrating Techniques and Challenges	PEC	2	0	2	4	3
5.	EE3036	Sustainable and Environmental Friendly HV Insulation System	PEC	3	0	0	3	3
6.	EE3037	Power System Transients	PEC	3	0	0	3	3
7.	CEI331	PLC Programming	PEC	3	0	0	3	3
8.	CCS334	Big Data Analytics	PEC	2	0	2	4	3

OPEN ELECTIVES

(Students shall choose the open elective courses, such that the course contents are not similar to any other course contents/title under other course categories).

OPEN ELECTIVE I AND II (EMERGING TECHNOLOGIES)

To be offered other than Faculty of Information and Communication Engineering

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OCS351	Artificial Intelligence and Machine Learning Fundamentals	OEC	2	0	2	4	3
2.	OCS352	IoT Concepts and Applications	OEC	2	0	2	4	3
3.	OCS353	Data Science Fundamentals	OEC	2	0	2	4	3
4.	OCS354	Augmented and Virtual Reality	OEC	2	0	2	4	3

OPEN ELECTIVES – III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS351	English for Competitive Examinations	OEC	3	0	0	3	3
2.	OMG352	NGOs and Sustainable Development	OEC	3	0	0	3	3
3.	OMG353	Democracy and Good Governance	OEC	3	0	0	3	3
4.	OME353	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	2	0	2	4	3
6.	OMF351	Reverse Engineering	OEC	3	0	0	3	3
7.	OMF353	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	OAU351	Electric and Hybrid Vehicle	OEC	3	0	0	3	3
9.	OAS352	Space Engineering	OEC	3	0	0	3	3
10.	OIM351	Industrial Management	OEC	3	0	0	3	3
11.	OIE354	Quality Engineering	OEC	3	0	0	3	3
12.	OSF351	Fire Safety Engineering	OEC	3	0	0	3	3
13.	OML351	Introduction to non-destructive testing	OEC	3	0	0	3	3
14.	OMR351	Mechatronics	OEC	3	0	0	3	3
15.	ORA351	Foundation of Robotics	OEC	3	0	0	3	3

16.	OAE352	Fundamentals of Aeronautical engineering	OEC	3	0	0	3	3
17.	OGI351	Remote Sensing Concepts	OEC	3	0	0	3	3
18.	OAI351	Urban Agriculture	OEC	3	0	0	3	3
19.	OEN351	Drinking Water Supply and Treatment	OEC	3	0	0	3	3
20.	OCE353	Lean Concepts, Tools And Practices	OEC	3	0	0	3	3
21.	OEI353	Introduction to PLC Programming	OEC	3	0	0	3	3
22.	OCH351	Nano Technology	OEC	3	0	0	3	3
23.	OCH352	Functional Materials	OEC	3	0	0	3	3
24.	OBT352	Biomedical Instrumentation	OEC	3	0	0	3	3
25.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
26.	OFD353	Introduction to food processing	OEC	3	0	0	3	3
27.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
28.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
29.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
30.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
31.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
32.	OPE352	Energy Conservation and Management	OEC	3	0	0	3	3
33.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
34.	OEC351	Signals and Systems	OEC	3	0	0	3	3
35.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
36.	OBM351	Foundation Skills in integrated product Development	OEC	3	0	0	3	3
37.	OBM352	Assistive Technology	OEC	3	0	0	3	3
38.	OMA352	Operations Research	OEC	3	0	0	3	3
39.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
40.	OMA354	Linear Algebra	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS352	Project Report Writing	OEC	3	0	0	3	3
2.	OMA355	Advanced Numerical Methods	OEC	3	0	0	3	3
3.	OMA356	Random Processes	OEC	3	0	0	3	3
4.	OMA357	Queuing and Reliability Modelling	OEC	3	0	0	3	3
5.	OMG354	Production and Operations Management for Entrepreneurs	OEC	3	0	0	3	3
6.	OMG355	Multivariate Data Analysis	OEC	3	0	0	3	3
7.	OME352	Additive Manufacturing	OEC	3	0	0	3	3
8.	OME353	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	2	0	2	4	3
10.	OMF352	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
12.	OAU352	Batteries and Management system	OEC	3	0	0	3	3
13.	OAU353	Sensors and Actuators	OEC	3	0	0	3	3
14.	OAS353	Space Vehicles	OEC	3	0	0	3	3
15.	OIM352	Management Science	OEC	3	0	0	3	3
16.	OIM353	Production Planning and Control	OEC	3	0	0	3	3
17.	OIE353	Operations Management	OEC	3	0	0	3	3
18.	OSF352	Industrial Hygiene	OEC	3	0	0	3	3
19.	OSF353	Chemical Process Safety	OEC	3	0	0	3	3
20.	OML352	Electrical, Electronic and Magnetic materials	OEC	3	0	0	3	3
21.	OML353	Nanomaterials and applications	OEC	3	0	0	3	3
22.	OMR352	Hydraulics and Pneumatics	OEC	3	0	0	3	3
23.	OMR353	Sensors	OEC	3	0	0	3	3
24.	ORA352	Foundation of Automation	OEC	3	0	0	3	3

25.	ORA353	Concepts in Mobile Robotics	OEC	3	0	0	3	3
26.	OMV351	Marine Propulsion	OEC	3	0	0	3	3
27.	OMV352	Marine Merchant Vehicles	OEC	3	0	0	3	3
28.	OMV353	Elements of Marine Engineering	OEC	3	0	0	3	3
29.	OAE353	Drone Technologies	OEC	3	0	0	3	3
30.	OGI352	Geographical Information System	OEC	3	0	0	3	3
31.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
32.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
33.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3
34.	OEI354	Introduction to Industrial Automation Systems	OEC	3	0	0	3	3
35.	OCH353	Energy Technology	OEC	3	0	0	3	3
36.	OCH354	Surface Science	OEC	3	0	0	3	3
37.	OBT353	Environment and Agriculture	OEC	3	0	0	3	3
38.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
39.	OFD355	Food safety and Quality Regulations	OEC	3	0	0	3	3
40.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
41.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
42.	OTT355	Fibre Science	OEC	3	0	0	3	3
43.	OTT356	Garment Manufacturing Technology	OEC	3	0	0	3	3
44.	OPE353	Industrial safety	OEC	3	0	0	3	3
45.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
46.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3
47.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
48.	OEC353	VLSI Design	OEC	3	0	0	3	3
49.	OEC354	Industrial IoT and Industry 4.0	OEC	2	0	2	4	3
50.	OBM353	Wearable devices	OEC	3	0	0	3	3
51.	OBM354	Medical Informatics	OEC	3	0	0	3	3

SUMMARY

SL. NO.	SUBJECT AREA	CREDITS PER SEMESTER								CREDITS TOTAL
		I	II	III	IV	V	VI	VII/VIII	VIII/VII	
1.	HSMC	4	3	-	-	-	-	5	-	12
2.	BSC	12	7	4	2	-	-	-	-	25
3.	ESC	5	9	-	-	-	-	-	-	14
4.	PCC	-	6	20.5	19.5	12.5	7.5	3	-	70
5.	PEC	-	-	-	-	9	9	3	-	21
6.	OEC	-	-	-	-	-	3	9	-	12
7.	EEC	1	2	1	-	-	-	-	10	13
	Total	22	27	25.5	21.5	21.5	19.5	20	10	167
8.	Mandatory Course (Non credit)					✓	✓			

Enrollment for B.E. / B. Tech. (Honours) / Minor degree (Optional)

A student can also optionally register for additional courses (18 credits) and become eligible for the award of B.E./B.Tech. (Honours) Minor degree.

For B.E. / B. Tech. (Honours), a student shall register for the additional courses (18 credits) from semester V onwards. These courses shall be from the same vertical or a combination of different verticals of the same programme of study only.

For minor degree, a student shall register for the additional courses (18 credits) from semester V onwards. All these courses have to be in a particular vertical from any one of the other programmes, Moreover, for minor degree the student can register for courses from any one of the following verticals also.

Complete details are available in clause 4.10 of Regulations 2021.

Vertical I	Vertical II	Vertical III	Vertical IV	Vertical V
Fintech and Block Chain	Entrepreneurship	Public Administration	Business Data Analytics	Environment and Sustainability
Financial Management	Foundations of Entrepreneurship	Principles of Public Administration	Statistics for Management	Sustainable infrastructure Development
Fundamentals of Investment	Team Building and Leadership Management for Business	Constitution of India	Data mining for Business Intelligence	Sustainable Agriculture and Environmental Management
Banking, Financial Services and Insurance	Creativity and Innovation in Entrepreneurship	Public Personnel Administration	Human Resource Analytics	Sustainable Bio Materials
Introduction to Blockchain and its Applications	Principles of Marketing Management for Business	Administrative Theories	Marketing and Social Media Web Analytics	Materials for Energy Sustainability
Fintech Personal Finance and Payments	Human Resource Management for Entrepreneurship	Indian Administrative System	Operation and Supply Chain Analytics	Green Technology
Introduction to Fintech	Financing New Business Ventures	Public Policy Administration	Financial Analytics	Environmental Quality Monitoring and Analysis
-	-	-	-	Integrated Energy Planning for Sustainable Development
-	-	-	-	Energy Efficiency for Sustainable Development

VERTICALS FOR MINOR DEGREE (In addition to all the verticals of other degree programmes)**VERTICALS FOR MINOR DEGREE**

(Choice of courses for Minor degree is to be made from any one vertical of other programmes or from anyone of the following verticals)

VERTICAL I : FINTECH AND BLOCK CHAIN

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG331	Financial Management	PEC	3	0	0	3	3
2.	CMG332	Fundamentals of Investment	PEC	3	0	0	3	3
3.	CMG333	Banking, Financial Services and Insurance	PEC	3	0	0	3	3
4.	CMG334	Introduction to Blockchain and its Applications	PEC	3	0	0	3	3
5.	CMG335	Fintech Personal Finance and Payments	PEC	3	0	0	3	3
6.	CMG336	Introduction to Fintech	PEC	3	0	0	3	3

VERTICAL II : ENTREPRENEURSHIP

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG337	Foundations of Entrepreneurship	PEC	3	0	0	3	3
2.	CMG338	Team Building & Leadership Management for Business	PEC	3	0	0	3	3
3.	CMG339	Creativity & Innovation in Entrepreneurship	PEC	3	0	0	3	3
4.	CMG340	Principles of Marketing Management For Business	PEC	3	0	0	3	3

5.	CMG341	Human Resource Management for Entrepreneurs	PEC	3	0	0	3	3
6.	CMG342	Financing New Business Ventures	PEC	3	0	0	3	3

VERTICAL III: PUBLIC ADMINISTRATION

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG343	Principles of Public Administration	PEC	3	0	0	3	3
2.	CMG344	Constitution of India	PEC	3	0	0	3	3
3.	CMG345	Public Personnel Administration	PEC	3	0	0	3	3
4.	CMG346	Administrative Theories	PEC	3	0	0	3	3
5.	CMG347	Indian Administrative System	PEC	3	0	0	3	3
6.	CMG348	Public Policy Administration	PEC	3	0	0	3	3

VERTICAL IV : BUSINESS DATA ANALYTICS

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG349	Statistics For Management	PEC	3	0	0	3	3
2.	CMG350	Data Mining For Business Intelligence	PEC	3	0	0	3	3
3.	CMG351	Human Resource Analytics	PEC	3	0	0	3	3
4.	CMG352	Marketing And Social Media Web Analytics	PEC	3	0	0	3	3
5.	CMG353	Operation And Supply Chain Analytics	PEC	3	0	0	3	3
6.	CMG354	Financial Analytics	PEC	3	0	0	3	3

VERTICAL V : ENVIRONMENT AND SUSTAINABILITY

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CES331	Sustainable infrastructure Development	PEC	3	0	0	3	3
2.	CES332	Sustainable Agriculture and Environmental Management	PEC	3	0	0	3	3
3.	CES333	Sustainable Bio Materials	PEC	3	0	0	3	3
4.	CES334	Materials for Energy Sustainability	PEC	3	0	0	3	3
5.	CES335	Green Technology	PEC	3	0	0	3	3
6.	CES336	Environmental Quality Monitoring and Analysis	PEC	3	0	0	3	3
7.	CES337	Integrated Energy Planning for Sustainable Development	PEC	3	0	0	3	3
8.	CES338	Energy Efficiency for Sustainable Development	PEC	3	0	0	3	3



ANNA UNIVERSITY, CHENNAI
NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM
B.TECH. INFORMATION TECHNOLOGY

I. PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates will be able to

- Demonstrate technical competence with analytical and critical thinking to understand and meet the diversified requirements of industry, academia and research.
- Exhibit technical leadership, team skills and entrepreneurship skills to provide business solutions to real world problems.
- Work in multi-disciplinary industries with social and environmental responsibility, work ethics and adaptability to address complex engineering and social problems
- Pursue lifelong learning, use cutting edge technologies and involve in applied research to design optimal solutions.

II. PROGRAM OUTCOMES (POs)

- 1 **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2 **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.
- 3 **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.
- 4 **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.
- 5 **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.
- 6 **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.
- 7 **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.

- 8 **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9 **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10 **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.
- 11 **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
- 12 **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.

III. PROGRAM SPECIFIC OUTCOMES (PSOs)

To ensure graduates

- Have proficiency in programming skills to design, develop and apply appropriate techniques, to solve complex engineering problems.
- Have knowledge to build, automate and manage business solutions using cutting edge technologies.
- Have excitement towards research in applied computer technologies.

ANNA UNIVERSITY, CHENNAI
NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021

B. TECH. INFORMATION TECHNOLOGY
CHOICE BASED CREDIT SYSTEM

CURRICULA FOR SEMESTERS I TO VIII AND SYLLABI FOR SEMESTERS I TO IV
SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3151	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு /Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICALS								
8.	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
9.	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
10.	GE3172	English Laboratory ^{\$}	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

^{\$} Skill Based Course

SEMESTER II

S. NO.	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3251	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3256	Physics for Information Science	BSC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	CS3251	Programming in C	PCC	3	0	0	3	3
7.	GE3252	தமிழரும் தொழில்நுட்பமும் /Tamils and Technology	HSMC	1	0	0	1	1
8.		NCC Credit Course Level 1 [#]	-	2	0	0	2	2 [#]
PRACTICALS								
9.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
10.	CS3271	Programming in C Laboratory	PCC	0	0	4	4	2
11.	GE3272	Communication Laboratory / Foreign Language ^{\$}	EEC	0	0	4	4	2
TOTAL				17	1	16	34	26

[#] NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

^{\$} Skill Based Course

SEMESTER III

SEMESTER III								
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3354	Discrete Mathematics	BSC	3	1	0	4	4
2.	CS3351	Digital Principles and Computer Organization	ESC	3	0	2	5	4
3.	CS3352	Foundations of Data Science	PCC	3	0	0	3	3
4.	CD3291	Data Structures and Algorithms	PCC	3	0	0	3	3
5.	CS3391	Object Oriented Programming	PCC	3	0	0	3	3
PRACTICALS								
6.	CD3281	Data Structures and Algorithms Laboratory	PCC	0	0	4	4	2
7.	CS3381	Object Oriented Programming Laboratory	PCC	0	0	3	3	1.5
8.	CS3361	Data Science Laboratory	PCC	0	0	4	4	2
9.	GE3361	Professional Development [§]	EEC	0	0	2	2	1
TOTAL				15	1	15	31	23.5

[§] Skill Based Course

SEMESTER IV

SEMESTER IV								
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CS3452	Theory of Computation	PCC	3	0	0	3	3
2.	CS3491	Artificial Intelligence and Machine Learning	PCC	3	0	2	5	4
3.	CS3492	Database Management Systems	PCC	3	0	0	3	3
4.	IT3401	Web Essentials	PCC	3	0	2	5	4
5.	CS3451	Introduction to Operating Systems	PCC	3	0	0	3	3
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2 [#]	-	3	0	0	3	3 [#]
PRACTICALS								
8.	CS3461	Operating Systems Laboratory	PCC	0	0	3	3	1.5
9.	CS3481	Database Management Systems Laboratory	PCC	0	0	3	3	1.5
TOTAL				20	0	10	30	22

[#] NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

SEMESTER V

SEMESTER V								
S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CS3591	Computer Networks	PCC	3	0	2	5	4
2.	IT3501	Full Stack Web Development	PCC	3	0	0	3	3
3.	CS3551	Distributed Computing	PCC	3	0	0	3	3
4.	CS3691	Embedded Systems and IoT	PCC	3	0	2	5	4
5.		Professional Elective I	PEC	-	-	-	-	3
6.		Professional Elective II	PEC	-	-	-	-	3
7.		Mandatory Course- I ^{&}	MC	3	0	0	3	0
PRACTICALS								
8.	IT3511	Full Stack Web Development Laboratory	PCC	0	0	4	4	2
TOTAL				-	-	-	-	22

[&] Mandatory Course-I is a Non-credit Course (Student shall select one course from the list given under Mandatory Course-I)

SEMESTER VI

SEMESTER VI								
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	CCS356	Object Oriented Software Engineering	PCC	3	0	2	5	4
2.		Open Elective – I*	OEC	3	0	0	3	3
3.		Professional Elective III	PEC	-	-	-	-	3
4.		Professional Elective IV	PEC	-	-	-	-	3
5.		Professional Elective V	PEC	-	-	-	-	3
6.		Professional Elective VI	PEC	-	-	-	-	3
7.		Mandatory Course-II &	MC	3	0	0	3	0
8.		NCC Credit Course Level 3 [#]	-	3	0	0	3	3 [#]
PRACTICALS								
9.	IT3681	Mobile Application Development Laboratory	PCC	0	0	3	3	1.5
TOTAL				-	-	-	-	20.5

^{*}Open Elective – I Shall be chosen from the list of open electives offered by other Programmes

[&] Mandatory Course-II is a Non-credit Course (Student shall select one course from the list given under Mandatory Course-II)

[#] NCC Credit Course level 3 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA

SEMESTER VII / VIII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
2.		Elective - Management [#]	HSMC	3	0	0	3	3
3.		Open Elective – II**	OEC	3	0	0	3	3
4.		Open Elective – III**	OEC	3	0	0	3	3
5.		Open Elective – IV**	OEC	3	0	0	3	3
PRACTICALS								
6.	IT3711	Summer internship	EEC	0	0	0	0	2
TOTAL				14	0	0	14	16

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

** Open Elective II - IV (Shall be chosen from the list of open electives offered by other Programmes).

[#] Elective - Management shall be chosen from the Elective Management courses.

SEMESTER VIII /VII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	IT3811	Project Work/Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS: 162

ELECTIVE – MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3751	Principles of Management	HSMC	3	0	0	3	3
2.	GE3752	Total Quality Management	HSMC	3	0	0	3	3
3.	GE3753	Engineering Economics and Financial Accounting	HSMC	3	0	0	3	3
4.	GE3754	Human Resource Management	HSMC	3	0	0	3	3
5.	GE3755	Knowledge Management	HSMC	3	0	0	3	3
6.	GE3792	Industrial Management	HSMC	3	0	0	3	3

MANDATORY COURSES I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Management	MC	3	0	0	3	0

MANDATORY COURSES II

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MX3085	Well Being with Traditional Practices (Yoga, Ayurveda and Siddha)	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0

PROFESSIONAL ELECTIVE COURSES: VERTICALS

Vertical I Data Science	Vertical II Full Stack Development for IT	Vertical III Cloud Computing and Data Center Technologies	Vertical IV Cyber Security and Data Privacy	Vertical V Creative Media	Vertical VI Emerging Technologies	Vertical VII Artificial Intelligence and Machine Learning
Exploratory Data Analysis	Cloud Computing	Cloud Computing	Ethical Hacking	Augmented Reality/Virtual Reality	Augmented Reality/Virtual Reality	Knowledge Engineering
Recommender Systems	App Development	Virtualization	Digital and Mobile Forensics	Multimedia and Animation	Robotic Process Automation	Soft Computing
Neural Networks and Deep Learning	Cloud Services Management	Cloud Services Management	Social Network Security	Video Creation and Editing	Neural Networks and Deep Learning	Neural Networks and Deep Learning
Text and Speech Analysis	UI and UX Design	Data Warehousing	Modern Cryptography	UI and UX Design	Cyber Security	Text and Speech Analysis
Business Analytics	Software Testing and Automation	Storage Technologies	Engineering Secure Software Systems	Digital Marketing	Quantum Computing	Optimization Techniques
Image and Video Analytics	Web Application Security	Software Defined Networks	Cryptocurrency and Blockchain Technologies	Visual Effects	Cryptocurrency and Blockchain Technologies	Game Theory
Computer Vision	DevOps	Stream Processing	Network Security	Game Development	Game Development	Cognitive Science
Big Data Analytics	Principles of Programming Languages	Security and Privacy in Cloud	Security and Privacy in Cloud	Multimedia Data Compression and Storage	3D Printing and Design	Ethics and AI

Registration of Professional Elective Courses from Verticals:

Professional Elective Courses will be registered in Semesters V and VI. These courses are listed in groups called verticals that represent a particular area of specialisation / diversified group. Students are permitted to choose all the Professional Electives from a particular vertical or from different verticals. Further, only one Professional Elective course shall be chosen in a semester horizontally (row-wise). However, two courses are permitted from the same row, provided one course is enrolled in Semester V and another in semester VI.

The registration of courses for B.E./B.Tech (Honours) or Minor degree shall be done from Semester V to VIII. The procedure for registration of courses explained above shall be followed for the courses of B.E./B.Tech (Honours) or Minor degree also. For more details on B.E./B.Tech (Honours) or Minor degree refer to the Regulations 2021, Clause 4.10.

PROFESSIONAL ELECTIVE COURSES
VERTICALS

VERTICAL 1: DATA SCIENCE

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS346	Exploratory Data Analysis	PEC	2	0	2	4	3
2.	CCS360	Recommender Systems	PEC	2	0	2	4	3
3.	CCS355	Neural Networks and Deep Learning	PEC	2	0	2	4	3
4.	CCS369	Text and Speech Analysis	PEC	2	0	2	4	3
5.	CCW331	Business Analytics	PEC	2	0	2	4	3
6.	CCS349	Image and Video Analytics	PEC	2	0	2	4	3
7.	CCS338	Computer Vision	PEC	2	0	2	4	3
8.	CCS334	Big Data Analytics	PEC	2	0	2	4	3

VERTICAL 2: FULL STACK DEVELOPMENT FOR IT

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS335	Cloud Computing	PEC	2	0	2	4	3
2.	CCS332	App Development	PEC	2	0	2	4	3
3.	CCS336	Cloud Services Management	PEC	2	0	2	4	3
4.	CCS370	UI and UX Design	PEC	2	0	2	4	3
5.	CCS366	Software Testing and Automation	PEC	2	0	2	4	3
6.	CCS374	Web Application Security	PEC	2	0	2	4	3
7.	CCS342	DevOps	PEC	2	0	2	4	3
8.	CCS358	Principles of Programming Languages	PEC	2	0	2	4	3

VERTICAL 3: CLOUD COMPUTING AND DATA CENTER TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS335	Cloud Computing	PEC	2	0	2	4	3
2.	CCS372	Virtualization	PEC	2	0	2	4	3
3.	CCS336	Cloud Services Management	PEC	2	0	2	4	3
4.	CCS341	Data Warehousing	PEC	2	0	2	4	3
5.	CCS367	Storage Technologies	PEC	3	0	0	3	3
6.	CCS365	Software Defined Networks	PEC	2	0	2	4	3
7.	CCS368	Stream Processing	PEC	2	0	2	4	3
8.	CCS362	Security and Privacy in Cloud	PEC	2	0	2	4	3

VERTICAL 4: CYBER SECURITY AND DATA PRIVACY

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS344	Ethical Hacking	PEC	2	0	2	4	3
2.	CCS343	Digital and Mobile Forensics	PEC	2	0	2	4	3
3.	CCS363	Social Network Security	PEC	2	0	2	4	3
4.	CCS351	Modern Cryptography	PEC	2	0	2	4	3
5.	CB3591	Engineering Secure Software Systems	PEC	2	0	2	4	3
6.	CCS339	Cryptocurrency and Blockchain Technologies	PEC	2	0	2	4	3
7.	CCS354	Network Security	PEC	2	0	2	4	3
8.	CCS362	Security and Privacy in Cloud	PEC	2	0	2	4	3

VERTICAL 5: CREATIVE MEDIA

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS333	Augmented Reality/Virtual Reality	PEC	2	0	2	4	3
2.	CCS352	Multimedia and Animation	PEC	2	0	2	4	3
3.	CCS371	Video Creation and Editing	PEC	2	0	2	4	3
4.	CCS370	UI and UX Design	PEC	2	0	2	4	3
5.	CCW332	Digital marketing	PEC	2	0	2	4	3
6.	CCS373	Visual Effects	PEC	2	0	2	4	3
7.	CCS347	Game Development	PEC	2	0	2	4	3
8.	CCS353	Multimedia Data Compression and Storage	PEC	2	0	2	4	3

VERTICAL 6: EMERGING TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS333	Augmented Reality/Virtual Reality	PEC	2	0	2	4	3
2.	CCS361	Robotic Process Automation	PEC	2	0	2	4	3
3.	CCS355	Neural Networks and Deep Learning	PEC	2	0	2	4	3
4.	CCS340	Cyber Security	PEC	2	0	2	4	3
5.	CCS359	Quantum Computing	PEC	2	0	2	4	3
6.	CCS339	Cryptocurrency and Blockchain Technologies	PEC	2	0	2	4	3
7.	CCS347	Game Development	PEC	2	0	2	4	3
8.	CCS331	3D Printing and Design	PEC	2	0	2	4	3

VERTICAL 7: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CCS350	Knowledge Engineering	PEC	2	0	2	4	3
2.	CCS364	Soft Computing	PEC	2	0	2	4	3
3.	CCS355	Neural Networks and Deep Learning	PEC	2	0	2	4	3
4.	CCS369	Text and Speech Analysis	PEC	2	0	2	4	3
5.	CCS357	Optimization Techniques	PEC	2	0	2	4	3
6.	CCS348	Game Theory	PEC	2	0	2	4	3
7.	CCS337	Cognitive Science	PEC	2	0	2	4	3
8.	CCS345	Ethics and AI	PEC	2	0	2	4	3

OPEN ELECTIVES

(Students shall choose the open elective courses, such that the course contents are not similar to any other course contents/title under other course categories).

OPEN ELECTIVES – I

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OAS351	Space Science	OEC	3	0	0	3	3
2.	OIE351	Introduction to Industrial Engineering	OEC	3	0	0	3	3
3.	OBT351	Climate Change and its Impact	OEC	3	0	0	3	3
4.	OCE351	Environment and Social Impact Assessment	OEC	3	0	0	3	3
5.	OEE351	Renewable Energy System	OEC	3	0	0	3	3
6.	OEI351	Introduction to Industrial Instrumentation and Control	OEC	3	0	0	3	3
7.	OMA351	Graph Theory	OEC	3	0	0	3	3

OPEN ELECTIVES – II

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OIE352	Resource Management Techniques	OEC	3	0	0	3	3
2.	OMG351	Fintech Regulations	OEC	3	0	0	3	3
3.	OFD351	Holistic Nutrition	OEC	3	0	0	3	3
4.	OCE352	ICT in Agriculture	OEC	3	0	0	3	3
5.	OEI352	Introduction to Control Engineering	OEC	3	0	0	3	3
6.	OPY351	Pharmaceutical Nanotechnology	OEC	3	0	0	3	3
7.	OAE351	Aviation Management	OEC	3	0	0	3	3

OPEN ELECTIVES – III

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS351	English for Competitive Examinations	OEC	3	0	0	3	3
2.	OMG352	NGOs and Sustainable Development	OEC	3	0	0	3	3
3.	OMG353	Democracy and Good Governance	OEC	3	0	0	3	3
4.	OME353	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	2	0	2	4	3
6.	OMF351	Reverse Engineering	OEC	3	0	0	3	3
7.	OMF353	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	OAU351	Electric and Hybrid Vehicle	OEC	3	0	0	3	3
9.	OAS352	Space Engineering	OEC	3	0	0	3	3
10.	OIM351	Industrial Management	OEC	3	0	0	3	3
11.	OIE354	Quality Engineering	OEC	3	0	0	3	3
12.	OSF351	Fire Safety Engineering	OEC	3	0	0	3	3
13.	OML351	Introduction to Non-Destructive Testing	OEC	3	0	0	3	3
14.	OMR351	Mechatronics	OEC	3	0	0	3	3
15.	ORA351	Foundation of Robotics	OEC	3	0	0	3	3
16.	OAE352	Fundamentals of Aeronautical engineering	OEC	3	0	0	3	3
17.	OGI351	Remote Sensing Concepts	OEC	3	0	0	3	3

18.	OAI351	Urban Agriculture	OEC	3	0	0	3	3
19.	OEN351	Drinking Water Supply and Treatment	OEC	3	0	0	3	3
20.	OEE352	Electric Vehicle Technology	OEC	3	0	0	3	3
21.	OEI353	Introduction to PLC Programming	OEC	3	0	0	3	3
22.	OCH351	Nano Technology	OEC	3	0	0	3	3
23.	OCH352	Functional Materials	OEC	3	0	0	3	3
24.	OBT352	Biomedical Instrumentation	OEC	3	0	0	3	3
25.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
26.	OFD353	Introduction to Food Processing	OEC	3	0	0	3	3
27.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
28.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
29.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
30.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
31.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
32.	OPE352	Energy Conservation and Management	OEC	3	0	0	3	3
33.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
34.	OEC351	Signals and Systems	OEC	3	0	0	3	3
35.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
36.	OBM351	Foundation Skills in Integrated Product Development	OEC	3	0	0	3	3
37.	OBM352	Assistive Technology	OEC	3	0	0	3	3
38.	OMA352	Operations Research	OEC	3	0	0	3	3
39.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
40.	OMA354	Linear Algebra	OEC	3	0	0	3	3
41.	OCE353	Lean Concepts, Tools and Practices	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS352	Project Report Writing	OEC	3	0	0	3	3
2.	OMA355	Advanced Numerical Methods	OEC	3	0	0	3	3

3.	OMA356	Random Processes	OEC	3	0	0	3	3
4.	OMA357	Queuing and Reliability Modelling	OEC	3	0	0	3	3
5.	OMG354	Production and Operations Management for Entrepreneurs	OEC	3	0	0	3	3
6.	OMG355	Multivariate Data Analysis	OEC	3	0	0	3	3
7.	OME352	Additive Manufacturing	OEC	3	0	0	3	3
8.	OME353	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	2	0	2	4	3
10.	OMF352	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
12.	OAU352	Batteries and Management system	OEC	3	0	0	3	3
13.	OAU353	Sensors and Actuators	OEC	3	0	0	3	3
14.	OAS353	Space Vehicles	OEC	3	0	0	3	3
15.	OIM352	Management Science	OEC	3	0	0	3	3
16.	OIM353	Production Planning and Control	OEC	3	0	0	3	3
17.	OIE353	Operations Management	OEC	3	0	0	3	3
18.	OSF352	Industrial Hygiene	OEC	3	0	0	3	3
19.	OSF353	Chemical Process Safety	OEC	3	0	0	3	3
20.	OML352	Electrical, Electronic and Magnetic materials	OEC	3	0	0	3	3
21.	OML353	Nanomaterials and applications	OEC	3	0	0	3	3
22.	OMR352	Hydraulics and Pneumatics	OEC	3	0	0	3	3
23.	OMR353	Sensors	OEC	3	0	0	3	3
24.	ORA352	Foundation of Automation	OEC	3	0	0	3	3
25.	ORA353	Concepts in Mobile Robotics	OEC	3	0	0	3	3
26.	OMV351	Marine Propulsion	OEC	3	0	0	3	3
27.	OMV352	Marine Merchant Vehicles	OEC	3	0	0	3	3
28.	OMV353	Elements of Marine Engineering	OEC	3	0	0	3	3
29.	OAE353	Drone Technologies	OEC	3	0	0	3	3
30.	OGI352	Geographical Information System	OEC	3	0	0	3	3
31.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
32.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
33.	OEE353	Introduction to Control Systems	OEC	3	0	0	3	3
34.	OEI354	Introduction to Industrial	OEC	3	0	0	3	3

		Automation Systems						
35.	OCH353	Energy Technology	OEC	3	0	0	3	3
36.	OCH354	Surface Science	OEC	3	0	0	3	3
37.	OBT353	Environment and Agriculture	OEC	3	0	0	3	3
38.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
39.	OFD355	Food Safety and Quality Regulations	OEC	3	0	0	3	3
40.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
41.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
42.	OTT355	Fibre Science	OEC	3	0	0	3	3
43.	OTT356	Garment Manufacturing Technology	OEC	3	0	0	3	3
44.	OPE353	Industrial Safety	OEC	3	0	0	3	3
45.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
46.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3
47.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
48.	OEC353	VLSI Design	OEC	3	0	0	3	3
49.	OEC354	Industrial IoT and Industry 4.0	OEC	2	0	2	4	3
50.	OBM353	Wearable Devices	OEC	3	0	0	3	3
51.	OBM354	Medical Informatics	OEC	3	0	0	3	3
52.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3

PROGRESS THROUGH KNOWLEDGE

SUMMARY

Name of the Programme: B.Tech. Information Technology										
S.No	Subject Area	Credits per Semester								Total Credits
		I	II	III	IV	V	VI	VII/VIII	VIII/VII	
1	HSMC	4	3					5		12
2	BSC	12	7	4	2					25
3	ESC	5	9	4						18
4	PCC		5	14.5	20	16	5.5			61
5	PEC					6	12			18
6	OEC						3	9		12
7	EEC	1	2	1				2	10	16
8	Non-Credit (Mandatory)					√	√			
Total		22	26	23.5	22	22	20.5	16	10	162

ENROLLMENT FOR B.E. / B. TECH. (HONOURS) / MINOR DEGREE (OPTIONAL)

A student can also optionally register for additional courses (18 credits) and become eligible for the award of B.E. / B. Tech. (Honours) or Minor Degree.

For B.E. / B. Tech. (Honours), a student shall register for the additional courses (18 credits) from semester V onwards. These courses shall be from the same vertical or a combination of different verticals of the same programme of study only.

For minor degree, a student shall register for the additional courses (18 credits) from semester V onwards. All these courses have to be in a particular vertical from any one of the other programmes, Moreover, for minor degree the student can register for courses from any one of the following verticals also.

Complete details are available in clause 4.10 of Regulations 2021.

VERTICALS FOR MINOR DEGREE
(In addition to all the verticals of other programmes)

Vertical I Fintech and Block Chain	Vertical II Entrepreneurship	Vertical III Public Administration	Vertical IV Business Data Analytics	Vertical V Environment and Sustainability
Financial Management	Foundations of Entrepreneurship	Principles of Public Administration	Statistics for Management	Sustainable Infrastructure Development
Fundamentals of Investment	Team Building & Leadership Management for Business	Constitution of India	Datamining for Business Intelligence	Sustainable Agriculture and Environmental Management
Banking, Financial Services and Insurance	Creativity & Innovation in Entrepreneurship	Public Personnel Administration	Human Resource Analytics	Sustainable Bio Materials
Introduction to Blockchain and its Applications	Principles of Marketing Management for Business	Administrative Theories	Marketing and Social Media Web Analytics	Materials for Energy Sustainability
Fintech Personal Finance and Payments	Human Resource Management for Entrepreneurs	Indian Administrative System	Operation and Supply Chain Analytics	Green Technology
Introduction to Fintech	Financing New Business Ventures	Public Policy Administration	Financial Analytics	Environmental Quality Monitoring and Analysis
-	-	-	-	Integrated Energy Planning for Sustainable Development
-	-	-	-	Energy Efficiency for Sustainable Development

PROGRESS THROUGH KNOWLEDGE

(choice of courses for Minor degree is to be made from any one vertical of other programmes or from anyone of the following verticals)

VERTICAL 1: FINTECH AND BLOCK CHAIN

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG331	Financial Management	PEC	3	0	0	3	3
2.	CMG332	Fundamentals of Investment	PEC	3	0	0	3	3
3.	CMG333	Banking, Financial Services and Insurance	PEC	3	0	0	3	3
4.	CMG334	Introduction to Blockchain and its Applications	PEC	3	0	0	3	3
5.	CMG335	Fintech Personal Finance and Payments	PEC	3	0	0	3	3
6.	CMG336	Introduction to Fintech	PEC	3	0	0	3	3

VERTICAL 2: ENTREPRENEURSHIP

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG337	Foundations of Entrepreneurship	PEC	3	0	0	3	3
2.	CMG338	Team Building & Leadership Management for Business	PEC	3	0	0	3	3
3.	CMG339	Creativity & Innovation in Entrepreneurship	PEC	3	0	0	3	3
4.	CMG340	Principles of Marketing Management for Business	PEC	3	0	0	3	3
5.	CMG341	Human Resource Management for Entrepreneurs	PEC	3	0	0	3	3
6.	CMG342	Financing New Business Ventures	PEC	3	0	0	3	3

VERTICAL 3: PUBLIC ADMINISTRATION

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG343	Principles of Public Administration	PEC	3	0	0	3	3
2.	CMG344	Constitution of India	PEC	3	0	0	3	3
3.	CMG345	Public Personnel Administration	PEC	3	0	0	3	3
4.	CMG346	Administrative Theories	PEC	3	0	0	3	3
5.	CMG347	Indian Administrative System	PEC	3	0	0	3	3
6.	CMG348	Public Policy Administration	PEC	3	0	0	3	3

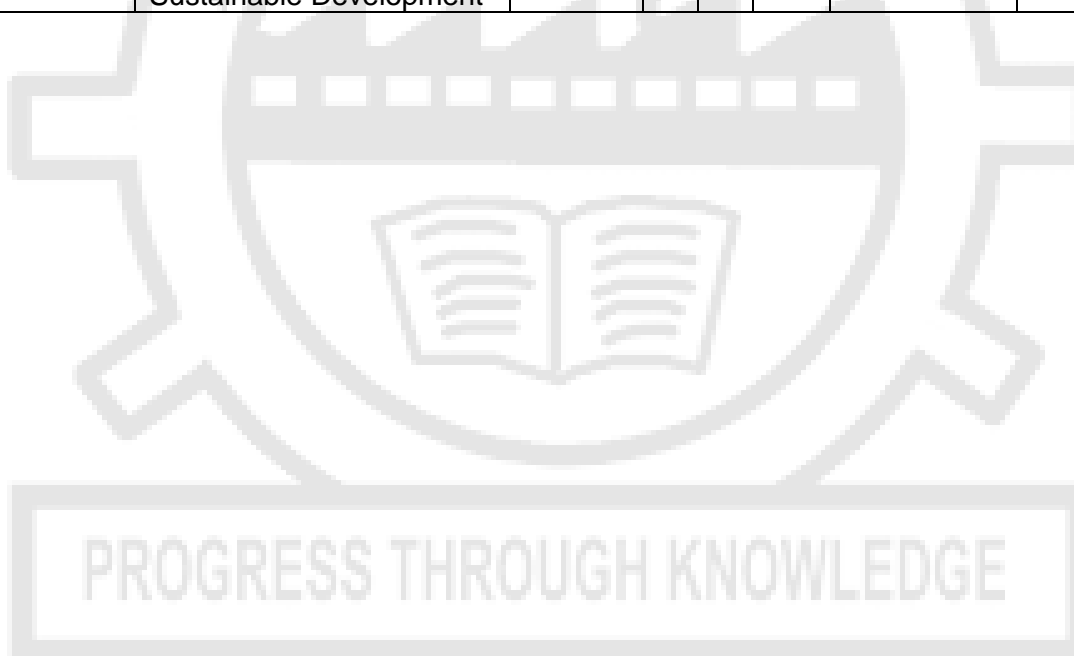
VERTICAL 4: BUSINESS DATA ANALYTICS

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG349	Statistics for Management	PEC	3	0	0	3	3
2.	CMG350	Datamining for Business Intelligence	PEC	3	0	0	3	3
3.	CMG351	Human Resource Analytics	PEC	3	0	0	3	3
4.	CMG352	Marketing and Social Media Web Analytics	PEC	3	0	0	3	3
5.	CMG353	Operation and Supply Chain Analytics	PEC	3	0	0	3	3
6.	CMG354	Financial Analytics	PEC	3	0	0	3	3

PROGRESS THROUGH KNOWLEDGE

VERTICAL 5: ENVIRONMENT AND SUSTAINABILITY

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CES331	Sustainable Infrastructure Development	PEC	3	0	0	3	3
2.	CES332	Sustainable Agriculture and Environmental Management	PEC	3	0	0	3	3
3.	CES333	Sustainable Bio Materials	PEC	3	0	0	3	3
4.	CES334	Materials for Energy Sustainability	PEC	3	0	0	3	3
5.	CES335	Green Technology	PEC	3	0	0	3	3
6.	CES336	Environmental Quality Monitoring and Analysis	PEC	3	0	0	3	3
7.	CES337	Integrated Energy Planning for Sustainable Development	PEC	3	0	0	3	3
8.	CES338	Energy Efficiency for Sustainable Development	PEC	3	0	0	3	3





ANNA UNIVERSITY, CHENNAI
NON-AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM
B. E. MECHANICAL ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- I. Effectuating success in careers by exploring with the design, digital and computational analysis of engineering systems, experimentation and testing, smart manufacturing, technical services, and research.
- II. Amalgamating effectively with stakeholders to update and improve their core competencies and abilities to ethically compete in the ever-changing multicultural global enterprise.
- III. To encourage multi-disciplinary research and development to foster advanced technology, and to nurture innovation and entrepreneurship in order to compete successfully in the global economy.
- IV. To globally share and apply technical knowledge to create new opportunities that proactively advances our society through team efforts and to solve various challenging technical, environmental and societal problems.
- V. To create world class mechanical engineers capable of practicing engineering ethically with a solid vision to become great leaders in academia, industries and society.

PROGRAM OUTCOMES (POs)

PO GRADUATE ATTRIBUTE

- 1 **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2 **Problem analysis:** Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3 **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.
- 4 **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.
- 5 **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- 6 **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.

- 7 **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.
- 8 **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9 **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10 **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.
- 11 **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.
- 12 **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.

PROGRAM SPECIFIC OUTCOMES (PSOs)

On successful completion of the Mechanical Engineering Degree programme, the Graduates shall exhibit the following:

1. Apply the knowledge gained in Mechanical Engineering for design and development and manufacture of engineering systems.
2. Apply the knowledge acquired to investigate research-oriented problems in mechanical engineering with due consideration for environmental and social impacts.
3. Use the engineering analysis and data management tools for effective management of multidisciplinary projects.

PEO's – PO's & PSO's MAPPING:

PEO	PO												PSO		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
I.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
II.	3	2	2	2	2	1	1	1	3		2	1	2	3	3
III.	3	1	2	1	2	2	1		1	2		3	3	2	2
IV.	2	2	2	2	2		2				1	2	2	3	3
V.	3	2	2	2	1	3	2	2	2	1	1	3	3	2	2

ANNA UNIVERSITY, CHENNAI
NON-AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021
CHOICE BASED CREDIT SYSTEM
B. E. MECHANICAL ENGINEERING
CURRICULUM FOR SEMESTERS I TO VIII AND SYLLABI FOR SEMESTERS I TO IV
SEMESTER I

SL. NO.	COURSE CODE	COURSE TITLE	CATE - GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3151	Professional English - I	HSMC	3	0	0	3	3
3.	MA3151	Matrices and Calculus	BSC	3	1	0	4	4
4.	PH3151	Engineering Physics	BSC	3	0	0	3	3
5.	CY3151	Engineering Chemistry	BSC	3	0	0	3	3
6.	GE3151	Problem Solving and Python Programming	ESC	3	0	0	3	3
7.	GE3152	தமிழர் மரபு/ Heritage of Tamils	HSMC	1	0	0	1	1
PRACTICAL								
7	GE3171	Problem Solving and Python Programming Laboratory	ESC	0	0	4	4	2
8	BS3171	Physics and Chemistry Laboratory	BSC	0	0	4	4	2
9	GE3172	English Laboratory \$	EEC	0	0	2	2	1
TOTAL				16	1	10	27	22

\$ Skill Based Course

SEMESTER II

SEMESTER II								
SL. NO.	COURSE CODE	COURSE TITLE	CATE - GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3251	Professional English - II	HSMC	2	0	0	2	2
2.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
3.	PH3251	Materials Science	BSC	3	0	0	3	3
4.	BE3251	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
5.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
6.	GE3252	தமிழரும் தொழில்நுட்பமும் / Tamils and Technology	HSMC	1	0	0	1	1
7.		NCC Credit Course Level 1#	-	2	0	0	2	2
PRACTICAL								
8.	GE3271	Engineering Practices Laboratory	ESC	0	0	4	4	2
9.	BE3271	Basic Electrical and Electronics Engineering Laboratory	ESC	0	0	4	4	2
10.	GE3272	Communication Laboratory / Foreign Language \$	EEC	0	0	4	4	2
TOTAL				14	1	16	31	23

NCC Credit Course level 1 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

\$ Skill Based Course

SEMESTER III

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA3351	Transforms and Partial Differential Equations	BSC	3	1	0	4	4
2.	ME3351	Engineering Mechanics	ESC	3	0	0	3	3
3.	ME3391	Engineering Thermodynamics	PCC	3	0	0	3	3
4.	CE3391	Fluid Mechanics and Machinery	ESC	3	1	0	4	4
5.	ME3392	Engineering Materials and Metallurgy	PCC	3	0	0	3	3
6.	ME3393	Manufacturing Processes	PCC	3	0	0	3	3
PRACTICALS								
7.	ME3381	Computer Aided Machine Drawing	ESC	0	0	4	4	2
8.	ME3382	Manufacturing Technology Laboratory	PCC	0	0	4	4	2
9.	GE3361	Professional Development\$	EEC	0	0	2	2	1
TOTAL				18	2	10	30	25

^{\$} Skill Based Course

SEMESTER IV

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	ME3491	Theory of Machines	PCC	3	0	0	3	3
2.	ME3451	Thermal Engineering	PCC	4	0	0	4	4
3.	ME3492	Hydraulics and Pneumatics	PCC	3	0	0	3	3
4.	ME3493	Manufacturing Technology	PCC	3	0	0	3	3
5.	CE3491	Strength of Materials	PCC	3	0	0	3	3
6.	GE3451	Environmental Sciences and Sustainability	BSC	2	0	0	2	2
7.		NCC Credit Course Level 2 [#]		3	0	0	3	3 [#]
PRACTICALS								
8.	CE3481	Strength of Materials and Fluid Machinery Laboratory	PCC	0	0	4	4	2
9.	ME3461	Thermal Engineering Laboratory	PCC	0	0	4	4	2
TOTAL				18	0	8	26	22

[#] NCC Credit Course level 2 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

SEMESTER V

SEMESTER V								
S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	ME3591	Design of Machine Elements	PCC	4	0	0	4	4
2.	ME3592	Metrology and Measurements	PCC	3	0	0	3	3
3.		Professional Elective I	PEC	-	-	-	-	3
4.		Professional Elective II	PEC	-	-	-	-	3
5.		Professional Elective III	PEC	-	-	-	-	3
6.		Mandatory Course-I ^{&}	MC	3	0	0	3	0
PRACTICALS								
7.	ME3511	Summer Internship*	EEC	0	0	0	0	1
8.	ME3581	Metrology and Dynamics Laboratory	PCC	0	0	4	4	2
TOTAL				-	-	-	-	19

*Two weeks Summer Internship carries one credit and it will be done during IV semester summer vacation and same will be evaluated in V semester.

[&] Mandatory Course-I is a Non-credit Course (Student shall select one course from the list given under MC- I)

SEMESTER VI

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	ME3691	Heat and Mass Transfer	PCC	3	1	0	4	4
2.		Professional Elective IV	PEC	-	-	-	-	3
3.		Professional Elective V	PEC	-	-	-	-	3
4.		Professional Elective VI	PEC	-	-	-	-	3
5.		Professional Elective VII	PEC	-	-	-	-	3
6.		Open Elective – I*	OEC	3	0	0	3	3
7.		Mandatory Course-II ^{&}	MC	3	0	0	3	0
8.		NCC Credit Course Level 3 [#]		3	0	0	3	3 [#]
PRACTICALS								
9.	ME3681	CAD/CAM Laboratory	PCC	0	0	4	4	2
10.	ME3611	Heat Transfer Laboratory	PCC	0	0	4	4	2
TOTAL				-	-	-	-	23

*Open Elective – I shall be chosen from the emerging technologies.

[&] Mandatory Course-II is a Non-credit Course (Student shall select one course from the list given under MC- II)

[#] NCC Credit Course level 3 is offered for NCC students only. The grades earned by the students will be recorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA

SEMESTER VII / VIII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	ME3791	Mechatronics and IoT	PCC	3	0	0	3	3
2.	ME3792	Computer Integrated Manufacturing	PCC	3	0	0	3	3
3.	GE3791	Human Values and Ethics	HSMC	2	0	0	2	2
4.	GE3792	Industrial Management	HSMC	3	0	0	3	3
5.		Open Elective – II**	OEC	3	0	0	3	3
6.		Open Elective – III***	OEC	3	0	0	3	3
7.		Open Elective – IV***	OEC	3	0	0	3	3
PRACTICALS								
8.	ME3781	Mechatronics and IoT Laboratory	PCC	0	0	4	4	2
9.	ME3711	Summer Internship [#]	EEC	0	0	0	0	1
TOTAL				20	0	4	24	23

#Two weeks Summer Internship carries one credit and it will be done during VI semester summer vacation and same will be evaluated in VII semester.

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

**Open Elective – II shall be chosen from the emerging technologies.

***Open Elective III and IV (Shall be chosen from the list of open electives offered by other Programmes).

SEMESTER VIII /VII*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
PRACTICALS								
1.	ME3811	Project Work / Internship	EEC	0	0	20	20	10
TOTAL				0	0	20	20	10

*If students undergo internship in Semester VII, then the courses offered during semester VII will be offered during semester VIII.

TOTAL CREDITS:167

MANDATORY COURSES I

Sl. No.	Course Code	Course Title	Cate Gory	Periods per week			Total contact periods	Credits
				L	T	P		
1.	MX3081	Introduction to Women and Gender Studies	MC	3	0	0	3	0
2.	MX3082	Elements of Literature	MC	3	0	0	3	0
3.	MX3083	Film Appreciation	MC	3	0	0	3	0
4.	MX3084	Disaster Management	MC	3	0	0	3	0

MANDATORY COURSES II

Sl. No.	Course Code	Course Title	Cate Gory	Periods per week			Total Contact Periods	Credits
				L	T	P		
1.	MX3085	Well Being with traditional practices (Yoga, Ayurveda and Siddha)	MC	3	0	0	3	0
2.	MX3086	History of Science and Technology in India	MC	3	0	0	3	0
3.	MX3087	Political and Economic Thought for a Humane Society	MC	3	0	0	3	0
4.	MX3088	State, Nation Building and Politics in India	MC	3	0	0	3	0
5.	MX3089	Industrial Safety	MC	3	0	0	3	0



PROGRESS THROUGH KNOWLEDGE

PROFESSIONAL ELECTIVE COURSES: VERTICALS

VERTICAL 1	VERTICAL 2	VERTICAL 3	VERTICAL 4	VERTICAL 5	VERTICAL 6	VERTICAL 7	VERTICAL 8	VERTICAL 9	VERTICAL 10	VERTICAL 11
MODERN MOBILITY SYSTEMS	PRODUCT AND PROCESS DEVELOPMENT	ROBOTICS AND AUTOMATION	DIGITAL AND GREEN MANUFACTURING	PROCESS EQUIPMENT AND PIPING DESIGN	CLEAN AND GREEN ENERGY TECHNOLOGIES	COMPUTATIONAL ENGINEERING	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	DIVERSIFIED COURSES GROUP 1	DIVERSIFIED COURSES GROUP 2	DIVERSIFIED COURSES GROUP 3
Automotive Materials, Components, Design & Testing	Value Engineering	Sensors and Instrumentation	Digital Manufacturing and IoT	Design of Pressure Vessels	Bioenergy Conversion Technologies	Computational Solid Mechanics	Automation in Manufacturing	Automobile Engineering	Turbo Machines	Advanced Vehicle Engineering
Conventional and Futuristic Vehicle Technology	Additive Manufacturing	Electrical Drives and Actuators	Lean Manufacturing	Failure Analysis and NDT Techniques	Carbon Footprint estimation and reduction techniques	Computational Fluid Dynamics and Heat transfer	Warehousing Automation	Measurements and Controls	Non-traditional Machining Processes	Advanced Internal Combustion Engineering
Renewable Powered Off Highway Vehicles and Emission Control Technology	CAD/CAM	Embedded Systems and Programming	Modern Robotics	Material Handling and solid processing Equipment	Energy Conservation in Industries	Theory on Computation and Visualization	Material Handling Equipment, Repair and Maintenance	Design Concepts in Engineering	Industrial safety	Casting and Welding Processes
Vehicle Health Monitoring, Maintenance and Safety	Design For X	Robotics	Green Manufacturing Design and Practices	Rotating Machinery Design	Energy Efficient Buildings	Computational Bio-Mechanics	Robotics	Composite Materials and Mechanics	Design of Transmission System	Process Planning and Cost Estimation
CAE and CFD Approach in Future Mobility	Ergonomics in Design	Smart Mobility and Intelligent Vehicles	Environment Sustainability and Impact Assessment	Thermal and Fired Equipment design	Energy Storage Devices	Advanced Statistics and Data Analytics	Container Logistics	Electrical Drives and Control	Thermal Power Engineering	Surface Engineering
Hybrid and Electric Vehicle Technology	New Product Development	Haptics and Immersive Technologies	Energy Saving Machinery and Components	Industrial Layout Design and Safety	Renewable Energy Technologies	CAD and CAE	Logistics in Manufacturing, Supply Chain and Distribution	Power Plant Engineering	Design for Manufacturing	Precision Manufacturing
Thermal Management of Batteries and Fuel Cells	Product Life Cycle Management	Drone Technologies	Green Supply Chain Management	Design Codes and Standards	Equipment for Pollution Control	Machine Learning for Intelligent Systems	Data Science	Refrigeration and Air Conditioning	Power Generation Equipment Design	Gas Dynamics and Jet Propulsion
-	-	-	-	-	-	-	-	Dynamics of Ground Vehicles	-	Operational Research

Registration of Professional Elective Courses from Verticals:

Professional Elective Courses will be registered in Semesters V and VI. These courses are listed in groups called verticals that represent a particular area of specialisation / diversified group. Students are permitted to choose all the Professional Electives from a particular vertical or from different verticals. Further, only one Professional Elective course shall be chosen in a semester horizontally (row-wise). However, two courses are permitted from the same row, provided one course is enrolled in Semester V and another in semester VI.

The registration of courses for B.E./B.Tech (Honours) or Minor degree shall be done from Semester V to VIII. The procedure for registration of courses explained above shall be followed for the courses of B.E/B.Tech (Honours) or Minor degree also. For more details on B.E./B.Tech (Honours) or Minor degree refer to the Regulations 2021, Clause 4.10.

PROFESSIONAL ELECTIVE COURSES : VERTICALS**VERTICAL 1 : MODERN MOBILITY SYSTEMS**

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact period	Credits
				L	T	P		
1.	CME331	Automotive Materials, Components, Design and Testing	PEC	2	0	2	4	3
2.	CME332	Conventional and Futuristic Vehicle Technology	PEC	3	0	0	3	3
3.	CME333	Renewable Powered Off Highway Vehicles and Emission Control Technology	PEC	3	0	0	3	3
4.	CME334	Vehicle Health Monitoring, Maintenance and Safety	PEC	3	0	0	3	3
5.	CME335	CAE and CFD Approach in Future Mobility	PEC	2	0	2	4	3
6.	CME336	Hybrid and Electric Vehicle Technology	PEC	3	0	0	3	3
7.	CME337	Thermal Management of Batteries and Fuel Cells	PEC	3	0	0	3	3

VERTICAL 2 : PRODUCT AND PROCESS DEVELOPMENT

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact period	Credits
				L	T	P		
1.	CME338	Value Engineering	PEC	3	0	0	3	3
2.	CME339	Additive Manufacturing	PEC	2	0	2	4	3
3.	CME340	CAD/CAM	PEC	3	0	0	3	3
4.	CME341	Design For X	PEC	3	0	0	3	3
5.	CME342	Ergonomics in Design	PEC	3	0	0	3	3
6.	CME343	New Product Development	PEC	3	0	0	3	3
7.	CME344	Product Life Cycle Management	PEC	3	0	0	3	3

VERTICAL 3: ROBOTICS AND AUTOMATION

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact Period	Credits
				L	T	P		
1.	MR3491	Sensors and Instrumentation	PEC	3	0	0	3	3
2.	MR3392	Electrical Drives and Actuators	PEC	3	0	0	3	3
3.	MR3492	Embedded Systems and Programming	PEC	2	0	2	4	3
4.	MR3691	Robotics	PEC	3	0	0	3	3
5.	CMR338	Smart Mobility and Intelligent Vehicles	PEC	3	0	0	3	3
6.	CME345	Haptics and Immersive Technologies	PEC	3	0	0	3	3
7.	CRA332	Drone Technologies	PEC	3	0	0	3	3

VERTICAL 4: DIGITAL AND GREEN MANUFACTURING

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact Period	Credits
				L	T	P		
1.	CME346	Digital Manufacturing and IoT	PEC	2	0	2	4	3
2.	CME347	Lean Manufacturing	PEC	3	0	0	3	3
3.	CME348	Modern Robotics	PEC	2	0	2	4	3
4.	CME349	Green Manufacturing Design and Practices	PEC	3	0	0	3	3
5.	CME350	Environment Sustainability and Impact Assessment	PEC	3	0	0	3	3
6.	CME351	Energy Saving Machinery and Components	PEC	3	0	0	3	3
7.	CME352	Green Supply Chain Management	PEC	3	0	0	3	3

VERTICAL 5: PROCESS EQUIPMENT AND PIPING DESIGN

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact Period	Credits
				L	T	P		
1.	CME353	Design of Pressure Vessels	PEC	3	0	0	3	3
2.	CME354	Failure Analysis and NDT Techniques	PEC	2	0	2	4	3
3.	CME355	Material Handling and Solid Processing Equipment	PEC	3	0	0	3	3
4.	CME356	Rotating Machinery Design	PEC	3	0	0	3	3
5.	CME357	Thermal and Fired Equipment Design	PEC	3	0	0	3	3
6.	CME358	Industrial Layout Design and Safety	PEC	2	0	2	4	3
7.	CME359	Design Codes and Standards	PEC	3	0	0	3	3

VERTICAL 6: CLEAN AND GREEN ENERGY TECHNOLOGIES

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total contact Periods	Credits
				L	T	P		
1.	CME360	Bioenergy Conversion Technologies	PEC	3	0	0	3	3
2.	CME361	Carbon Footprint Estimation and Reduction Techniques	PEC	3	0	0	3	3
3.	CME362	Energy Conservation in Industries	PEC	3	0	0	3	3
4.	CME363	Energy Efficient Buildings	PEC	3	0	0	3	3
5.	CME364	Energy Storage Devices	PEC	3	0	0	3	3
6.	CME365	Renewable Energy Technologies	PEC	3	0	0	3	3
7.	CME366	Equipment for Pollution Control	PEC	3	0	0	3	3

VERTICAL 7: COMPUTATIONAL ENGINEERING

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total contact periods	Credits
				L	T	P		
1.	CME367	Computational Solid Mechanics	PEC	3	0	0	3	3
2.	CME368	Computational Fluid Dynamics and Heat transfer	PEC	3	0	0	3	3
3.	CME369	Theory on Computation and Visualization	PEC	3	0	0	3	3
4.	CME370	Computational Bio-Mechanics	PEC	3	0	0	3	3
5.	CME371	Advanced Statistics and Data Analytics	PEC	3	0	0	3	3
6.	CME372	CAD and CAE	PEC	2	0	2	4	3
7.	CRA342	Machine Learning for Intelligent Systems	PEC	3	0	0	3	3

VERTICAL 8: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total contact periods	Credits
				L	T	P		
1.	CME373	Automation in Manufacturing	PEC	3	0	0	3	3
2.	CME374	Warehousing Automation	PEC	3	0	0	3	3
3.	CME375	Material Handling Equipment, Repair and Maintenance	PEC	3	0	0	3	3
4.	CME378	Robotics	PEC	3	0	0	3	3
5.	CME377	Container Logistics	PEC	3	0	0	3	3
6.	CME376	Logistics in Manufacturing, Supply Chain and Distribution	PEC	3	0	0	3	3
7.	CME379	Data Science	PEC	3	0	0	3	3

VERTICAL 9: DIVERSIFIED COURSES GROUP 1

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact Periods	Credits
				L	T	P		
1.	CME380	Automobile Engineering	PEC	3	0	0	3	3
2.	ME3001	Measurements and Controls	PEC	3	0	0	3	3
3.	CME381	Design Concepts in Engineering	PEC	3	0	0	3	3
4.	CME382	Composite Materials and Mechanics	PEC	3	0	0	3	3
5.	CME383	Electrical Drives and Control	PEC	3	0	0	3	3
6.	CME384	Power Plant Engineering	PEC	3	0	0	3	3
7.	CME385	Refrigeration and Air Conditioning	PEC	3	0	0	3	3
8.	CAU332	Dynamics of Ground Vehicles	PEC	3	0	0	3	3

VERTICAL 10: DIVERSIFIED COURSES GROUP 2

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact Periods	Credits
				L	T	P		
1.	CAE344	Turbo Machines	PEC	3	0	0	3	3
2.	CME387	Non-traditional Machining Processes	PEC	3	0	0	3	3
3.	CME388	Industrial safety	PEC	3	0	0	3	3
4.	CME389	Design of Transmission System	PEC	3	0	0	3	3
5.	CME390	Thermal Power Engineering	PEC	3	0	0	3	3
6.	CME391	Design for Manufacturing	PEC	3	0	0	3	3
7.	CME392	Power Generation Equipment Design	PEC	3	0	0	3	3

VERTICAL 11: DIVERSIFIED COURSES GROUP 3

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact periods	Credits
				L	T	P		
1.	CME393	Advanced Vehicle Engineering	PEC	3	0	0	3	3
2.	CME394	Advanced Internal Combustion Engineering	PEC	3	0	0	3	3
3.	CME395	Casting and Welding Processes	PEC	3	0	0	3	3
4.	CME396	Process Planning and Cost Estimation	PEC	3	0	0	3	3
5.	CME397	Surface Engineering	PEC	3	0	0	3	3
6.	CME398	Precision Manufacturing	PEC	3	0	0	3	3
7.	CME400	Gas Dynamics and Jet Propulsion	PEC	3	0	0	3	3
8.	CME399	Operational Research	PEC	3	0	0	3	3



PROGRESS THROUGH KNOWLEDGE

OPEN ELECTIVES

(Students shall choose the open elective courses, such that the course contents are not similar to any other course contents/title under other course categories).

OPEN ELECTIVE I AND II (EMERGING TECHNOLOGIES)

To be offered other than Faculty of Information and Communication Engineering

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OCS351	Artificial Intelligence and Machine Learning Fundamentals	OEC	2	0	2	4	3
2.	OCS352	IoT Concepts and Applications	OEC	2	0	2	4	3
3.	OCS353	Data Science Fundamentals	OEC	2	0	2	4	3
4.	OCS354	Augmented and Virtual Reality	OEC	2	0	2	4	3

OPEN ELECTIVES – III

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS351	English for Competitive Examinations	OEC	3	0	0	3	3
2.	OCE353	Lean Concepts, Tools And Practices	OEC	3	0	0	3	3
3.	OMG352	NGOs and Sustainable Development	OEC	3	0	0	3	3
4.	OMG353	Democracy and Good Governance	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	2	0	2	4	3
6.	OMF351	Reverse Engineering	OEC	3	0	0	3	3
7.	OAS352	Space Engineering	OEC	3	0	0	3	3
8.	OIE354	Quality Engineering	OEC	3	0	0	3	3
9.	OSF351	Fire Safety Engineering	OEC	3	0	0	3	3
10.	OAE352	Fundamentals of Aeronautical Engineering	OEC	3	0	0	3	3
11.	OGI351	Remote Sensing Concepts	OEC	3	0	0	3	3
12.	OAI351	Urban Agriculture	OEC	3	0	0	3	3
13.	OEN351	Drinking Water Supply and Treatment	OEC	3	0	0	3	3
14.	OCH351	Nano Technology	OEC	3	0	0	3	3
15.	OCH352	Functional Materials	OEC	3	0	0	3	3

16.	OBT352	Biomedical Instrumentation	OEC	3	0	0	3	3
17.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
18.	OFD353	Introduction to food processing	OEC	3	0	0	3	3
19.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
20.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
21.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
22.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
23.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
24.	OPE352	Energy Conservation and Management	OEC	3	0	0	3	3
25.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
26.	OEC351	Signals and Systems	OEC	3	0	0	3	3
27.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
28.	OBM351	Foundation Skills in integrated product Development	OEC	3	0	0	3	3
29.	OBM352	Assistive Technology	OEC	3	0	0	3	3
30.	OMA352	Operations Research	OEC	3	0	0	3	3
31.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
32.	OMA354	Linear Algebra	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OHS352	Project Report Writing	OEC	3	0	0	3	3
2.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3
3.	OMA355	Advanced Numerical Methods	OEC	3	0	0	3	3
4.	OMA356	Random Processes	OEC	3	0	0	3	3
5.	OMA357	Queuing and Reliability Modelling	OEC	3	0	0	3	3
6.	OMG354	Production and Operations Management for Entrepreneurs	OEC	3	0	0	3	3

7.	OMG355	Multivariate Data Analysis	OEC	3	0	0	3	3
8.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	2	0	2	4	3
9.	OMF352	Micro and Precision Engineering	OEC	3	0	0	3	3
10.	OAS353	Space Vehicles	OEC	3	0	0	3	3
11.	OIM352	Management Science	OEC	3	0	0	3	3
12.	OSF352	Industrial Hygiene	OEC	3	0	0	3	3
13.	OSF353	Chemical Process Safety	OEC	3	0	0	3	3
14.	OML352	Electrical, Electronic and Magnetic materials	OEC	3	0	0	3	3
15.	OML353	Nanomaterials and applications	OEC	3	0	0	3	3
	ORA353	Concepts in Mobile Robotics	OEC	3	0	0	3	3
16.	OMV351	Marine Propulsion	OEC	3	0	0	3	3
17.	OMV352	Marine Merchant Vehicles	OEC	3	0	0	3	3
18.	OMV353	Elements of Marine Engineering	OEC	3	0	0	3	3
19.	OGI352	Geographical Information System	OEC	3	0	0	3	3
20.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
21.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
22.	OCH353	Energy Technology	OEC	3	0	0	3	3
23.	OCH354	Surface Science	OEC	3	0	0	3	3
24.	OBT353	Environment and Agriculture	OEC	3	0	0	3	3
25.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
26.	OFD355	Food safety and Quality Regulations	OEC	3	0	0	3	3
27.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
28.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
29.	OTT355	Fibre Science	OEC	3	0	0	3	3
30.	OTT356	Garment Manufacturing Technology	OEC	3	0	0	3	3
31.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
32.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3

33.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
34.	OEC353	VLSI Design	OEC	3	0	0	3	3
35.	OBM353	Wearable devices	OEC	3	0	0	3	3
36.	OBM354	Medical Informatics	OEC	3	0	0	3	3

SUMMARY

B.E. MECHANICAL ENGINEERING										
S.No	Subject Area	Credits per Semester								Total Credits
		I	II	III	IV	V	VI	VII/VIII	VIII/VII	
1	HSMC	4	3					5		13
2	BSC	12	7	4	2					25
3	ESC	5	11	9						24
4	PCC			11	20	9	8	8		56
5	PEC					9	12			21
6	OEC						3	9		12
7	EEC	1	2	1		1		1	10	13
8	Non-Credit /(Mandatory)					√	√			
Total		22	23	25	22	19	23	23	10	167

ENROLLMENT FOR B.E. / B. TECH. (HONOURS) / MINOR DEGREE (OPTIONAL)

A student can also optionally register for additional courses (18 credits) and become eligible for the award of B.E. / B. Tech. (Honours) or Minor Degree.

For B.E. / B. Tech. (Honours), a student shall register for the additional courses (18 credits) from semester V onwards. These courses shall be from the same vertical or a combination of different verticals of the same programme of study only.

For minor degree, a student shall register for the additional courses (18 credits) from semester V onwards. All these courses have to be in a particular vertical from any one of the other programmes, Moreover, for minor degree the student can register for courses from any one of the following verticals also.

Complete details are available in clause 4.10 of Regulations 2021.

VERTICALS FOR MINOR DEGREE **(In addition to all the verticals of other programmes)**

Vertical I	Vertical II	Vertical III	Vertical IV	Vertical V
Fintech and Block Chain	Entrepreneurship	Public Administration	Business Data Analytics	Environment and Sustainability
Financial Management	Foundations of Entrepreneurship	Principles of Public Administration	Statistics for Management	Sustainable infrastructure Development
Fundamentals of Investment	Team Building and Leadership Management for Business	Constitution of India	Datamining for Business Intelligence	Sustainable Agriculture and Environmental Management
Banking, Financial Services and Insurance	Creativity and Innovation in Entrepreneurship	Public Personnel Administration	Human Resource Analytics	Sustainable Bio Materials
Introduction to Blockchain and its Applications	Principles of Marketing Management for Business	Administrative Theories	Marketing and Social Media Web Analytics	Materials for Energy Sustainability
Fintech Personal Finance and Payments	Human Resource Management for Entrepreneurs	Indian Administrative System	Operation and Supply Chain Analytics	Green Technology
Introduction to Fintech	Financing New Business Ventures	Public Policy Administration	Financial Analytics	Environmental Quality Monitoring and Analysis
-	-	-	-	Integrated Energy Planning for Sustainable Development
-	-	-	-	Energy Efficiency for Sustainable Development

(Choice of courses for Minor degree is to be made from any one vertical of other programmes or from anyone of the following verticals)

VERTICAL 1: FINTECH AND BLOCK CHAIN

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG331	Financial Management	PEC	3	0	0	3	3
2.	CMG332	Fundamentals of Investment	PEC	3	0	0	3	3
3.	CMG333	Banking, Financial Services and Insurance	PEC	3	0	0	3	3
4.	CMG334	Introduction to Blockchain and its Applications	PEC	3	0	0	3	3
5.	CMG335	Fintech Personal Finance and Payments	PEC	3	0	0	3	3
6.	CMG336	Introduction to Fintech	PEC	3	0	0	3	3

VERTICAL 2: ENTREPRENEURSHIP

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG337	Foundations of Entrepreneurship	PEC	3	0	0	3	3
2.	CMG338	Team Building and Leadership Management for Business	PEC	3	0	0	3	3
3.	CMG339	Creativity and Innovation in Entrepreneurship	PEC	3	0	0	3	3
4.	CMG340	Principles of Marketing Management for Business	PEC	3	0	0	3	3
5.	CMG341	Human Resource Management for Entrepreneurs	PEC	3	0	0	3	3
6.	CMG342	Financing New Business Ventures	PEC	3	0	0	3	3

VERTICAL 3: PUBLIC ADMINISTRATION

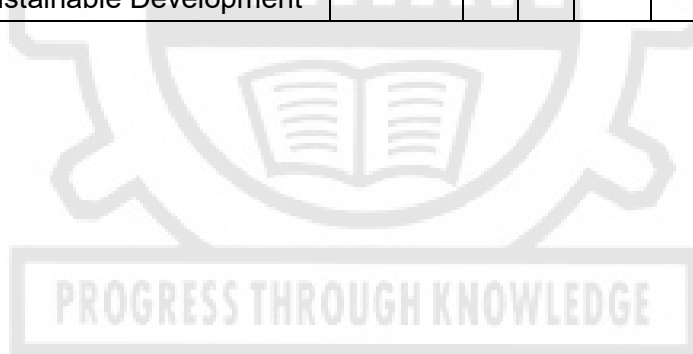
SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG343	Principles of Public Administration	PEC	3	0	0	3	3
2.	CMG344	Constitution of India	PEC	3	0	0	3	3
3.	CMG345	Public Personnel Administration	PEC	3	0	0	3	3
4.	CMG346	Administrative Theories	PEC	3	0	0	3	3
5.	CMG347	Indian Administrative System	PEC	3	0	0	3	3
6.	CMG348	Public Policy Administration	PEC	3	0	0	3	3

VERTICAL 4: BUSINESS DATA ANALYTICS

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CMG349	Statistics for Management	PEC	3	0	0	3	3
2.	CMG350	Datamining for Business Intelligence	PEC	3	0	0	3	3
3.	CMG351	Human Resource Analytics	PEC	3	0	0	3	3
4.	CMG352	Marketing and Social Media Web Analytics	PEC	3	0	0	3	3
5.	CMG353	Operation and Supply Chain Analytics	PEC	3	0	0	3	3
6.	CMG354	Financial Analytics	PEC	3	0	0	3	3

VERTICAL 5: ENVIRONMENT AND SUSTAINABILITY

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	CES331	Sustainable infrastructure Development	PEC	3	0	0	3	3
2.	CES332	Sustainable Agriculture and Environmental Management	PEC	3	0	0	3	3
3.	CES333	Sustainable Bio Materials	PEC	3	0	0	3	3
4.	CES334	Materials for Energy Sustainability	PEC	3	0	0	3	3
5.	CES335	Green Technology	PEC	3	0	0	3	3
6.	CES336	Environmental Quality Monitoring and Analysis	PEC	3	0	0	3	3
7.	CES337	Integrated Energy Planning for Sustainable Development	PEC	3	0	0	3	3
8.	CES338	Energy Efficiency for Sustainable Development	PEC	3	0	0	3	3



15.6.2 Academic Calendar of the University

2021 – 22 (ODD Semester)

II, III & IV Year

Date: 27.07.2021

CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2021 – December 2021 (ODD SEMESTER)*
UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full-Time)	III, V, VII	18.08.2021	30.11.2021**	02.12.2021	13.12.2021
2.	B.E. / B.Tech. (Part-Time)	III, V, VII				
3.	B.Arch. (Full-Time)	III, V, VII, IX				
4.	M.C.A. (Full-Time)	V				
5.	M.Sc (5 Yrs-Integrated)	V, VII, IX				
6.	M.B.A. (5 Yrs-Integrated)	V, VII, IX				

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode.

RE - OPENING DAY FOR THE NEXT SEMESTER: 19.01.2022 (Wednesday)

NOTE:

- The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
- If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following 7 Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	28.08.2021	Friday
2.	11.09.2021	Monday
3.	25.09.2021	Friday
4.	09.10.2021	Thursday

27.07.2021
DIRECTOR
ACADEMIC COURSES

DAC - SB

I Year

Date: 25.10.2021

CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2021 – March 2022 (SEMESTER I)
UG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	08.11.2021	22.11.2021	08.03.2022	10.03.2022	21.03.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 18.04.2022 (Monday)

NOTE:

- The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
- If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

27.07.2021
DIRECTOR
ACADEMIC COURSES

DAC - SB

2021 – 22 (EVEN Semester) II, III & IV Year

Date: 04.03.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

March 2022 – June 2022 (Even Semester – Except Semester II)
UG (FT/PT) Degree Programmes

REVISED



Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	16.03.2022	16.06.2022**	18.06.2022	28.06.2022
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				

RE - OPENING DAY FOR THE NEXT SEMESTER: 10.08.2022 (Wednesday)

NOTE:

- The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
- If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	19.03.2022	Tuesday
2.	26.03.2022	Wednesday
3.	09.04.2022	Thursday
4.	23.04.2022	Friday
5.	30.04.2022	Tuesday
6.	07.05.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	14.05.2022	Tuesday
8.	21.05.2022	Wednesday
9.	28.05.2022	Thursday
10.	04.06.2022	Friday
11.	11.06.2022	Monday

Wf 04/03/2022
**DIRECTOR
ACADEMIC COURSES**

DAC - SB

I Year

Date: 21.03.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

April 2022 – July 2022 (Semester II)

UG (FT/PT) & PG (FT/PT) Degree Programmes



Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	04.04.2022	04.07.2022**	06.07.2022	18.07.2022
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.B.A. (Full-Time & Part-Time)	II				
5.	M.B.A. (5 Yrs-Integrated)	II				

RE - OPENING DAY FOR THE NEXT SEMESTER: 22.08.2022 (Monday)

NOTE:

- The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
- If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	09.04.2022	Thursday
2.	23.04.2022	Friday
3.	30.04.2022	Tuesday
4.	07.05.2022	Monday
5.	14.05.2022	Tuesday
6.	21.05.2022	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	28.05.2022	Thursday
8.	04.06.2022	Friday
9.	11.06.2022	Monday
10.	18.06.2022	Tuesday
11.	25.06.2022	Wednesday
12.	02.07.2022	Thursday

21/3/22
**DIRECTOR i/c
ACADEMIC COURSES**

DAC - SB

15.6.3 Internal Continuous Evaluation System and Place

The institution is affiliated to Anna University, Chennai and the procedure of assessment is pursued according to the university rules. The procedure is straightforward and is conveyed to the students and staff,

- The exam cell is headed by exam cell coordinator supported by Head of the department to take care of all activities.
- The exam cell prepares exam schedule, the staff duty list, seating plan, etc.
- Faculty members prepare 2 sets of question papers as per the format given by the exam cell. Out of these two sets of question paper any one set is selected by the exam cell coordinator randomly.
- Once the exams are over the answer scripts are evaluated by the concern faculty members within 3 days of completion of the examination.
- Evaluated answer scripts are given to the students for verification and total checking. Students are awarded additional/missing marks (if any) if the appeal is valid.
- The assessment marks are entered in the logbook of concerned subjects and also in the centralized software (ERP), so that it can be viewed by the faculty/HOD/Principal.
- At present, the institution conducts three Continuous Internal Assessment tests each carries 50 marks with the duration for 1 hour 30 minutes which helps to identify the student's performance and necessary action plan for further improvement.
- Department HODs conduct the meeting with all the faculty members regarding any changes in evaluation and assessment system at the beginning of each semester.

15.8 Occupancy Certificate

Proceedings of the Tahsildar, Madukkarai
Present : Thiru.A.Nagarajan Bsc.,BL.,

K.Dis. 0866/2021/A2 Dated: 15.03.2021.

Sub : Buildings - Tamil Nadu Public Buildings - (Licensing) Act 1965 - Licensing Rules 1967 - Public Building License—
M/S. Karpagam Institute of Technology, Seerapalayam (Village) , Coimbatore - orders issued.

Ref : Application received from The Managing Trusty M/S. Karpagam Institute of Technology, Seerapalayam (Village) , Coimbatore, Dated: 11.03.2021.

ORDER :

The M/S. Karpagam Institute of Technology, Seerapalayam (Village), Coimbatore, has applied for renewal of the building license from 15.03.2021 to 06.02.2024.

2. Under Section 8(1) of the Tamil Nadu Public Building Licensing Act 1965 and rule 6 of the Tamil Nadu Public Building Licensing Rules 1966, the building License No. 01/2021, is granted to M/S. Karpagam Institute of Technology, Seerapalayam (Village), Coimbatore, for the purpose specified below and subject to the conditions specified in the Form'D' appended for the period from 15.03.2021 to 06.02.2024. (upto the Structural stability period).


3. No additions or alterations should be made without getting prior permission from the Local Planning Authority and building plan approval from the concerned authorities.

4. Students/Staff in the institution should be brought under accident insurance coverage immediately.

5. The application for the renewal of the licence should be submitted in three months before the date of expiry of the Licence.

Encl: License in Form-D

To :
The Managing Trusty
M/S. Karpagam Institute of Technology,
Seerapalayam Village,
Coimbatore – 641105.


Tahsildar,
Madukkarai.

Signature Not Verified
Digitally signed by
MANIMARAN
Date: 2021.03.03 11:05:34
IST

K.Dis. 0866/2021/A2

Taluk Office,
Madukkarai.

Dated: 15.03.2021.

FORM 'D'

Form of license U/s (1) of section 8 of the Tamil Nadu Public Building (Licensing) Act 1965 referred to in under rule 6 of the Tamil Nadu Public Buildings (Licensing) Rules, 1966.

License No: 01/2021

Fee Rs.1000/- E-Challan

Dated: 13.03.2021.

Fee Rs.4000/- E-Challan

Dated: 15.03.2021.

License is hereby granted to The Managing Trusty, M/S. Karpagam Institute of Technology, Seerapalayam (Village), Coimbatore, for the purpose and in respect of the building specified in the statement below and subject to the conditions and for the period mentioned hereunder: -

Period of Validity of the License shall be from 15.03.2021 to 06.02.2024

1. The building should be used for the purpose for which the License has been granted
2. The number of persons to be accommodated in the building should not exceed the number noted in column 3 of the statement found in the License at a time.
3. The licence will not be valid if any addition or alteration is made in the building before the expiry of the period.
4. Fresh licence will have to be obtained if any additions or alterations are made in the building.
5. Sufficient fire extinguishers in good working condition has to be provided in the school buildings.

Door No & Street No and Ward No where the building is situated	Purpose of the building	No. of persons to be accommodated
SF.No. 249/18, 249/3, 291/2, 455/2, 455/3, 455/5, 455/6, 455/7, 456/3 Seerapalayam (Village), Madukkarai Taluk, Coimbatore 641105.	Education Purpose	1850 (One Thousand Eight Hundred and

Signature Not Verified

Digitally signed by

Date: 2021.03.13 10:05:34

IST

Tahsildar,

Madukkarai.



15.9 Fire and Safety Certificate

TAMILNADU FIRE - RESCUE SERVICES
FIRE SERVICE LICENSE

Under Section 13 of the Tamil Nadu Service Act No. 40 of 1985 and with Tamil Nadu
Fire Service Rules 1990 – Appendix – III

Office of the District Officer,
Fire - Rescue Services,
Coimbatore - District,
Coimbatore .
Date : 18.01.2021

License No : 203/2021
K.Dis: 730/C1/2021
Your Ref. Nil Date: 03.01.2021.

Date of inspection 18.01.2021 inspected by SO FIREWING is hereby granted
under section 13 of the Tamil Nadu Fire Service Act, 1985 for running **Educational Institution** in the Name of **M/s. Karpagam Institute of Technology** within the jurisdiction of Coimbatore District at the premises, SF.No.246/3B2,247/1,247/2,247/4, 248/1,2,4,6,249/1,3,291/2,455/2,3,5,6,7,456/2,3, Seerapalayam village, Madukkaraitaluk, Coimbatore District subject to the conditions noted there on and such other condition as may be prescribed

CONDITIONS

1. This License is valid for one year from the date of issue .
2. The Applicant will also get permission/No objection Certificate from other Departments, if necessary.
3. If there is any deviation from the govt .Rule and act the licence issued will stand cancel
4. Height of the building 14.30 Meters.

(Official Seal with Date)



District Officer,
Fire - Rescue Services,
Coimbatore - District,
Coimbatore - 641018.
18-1-2021

To,
M/s. R.Vasanthakumari Managing Trustee,
Karpagam Charity Trust, 14A, LIC Colony, SIDCO,
Seerapalayam village, Madukkaraitaluk,
Coimbatore District

Copy to: The Joint Director, Fire and Rescue service, Western Region, Coimbatore-18

Digitally signed by
MANIMARAN
Date: 2021.01.03 11:05:05
IST

16. Enrolment and Placement details of Students in the Last 3 Years

Name of the Dept	Enrolment and Placement details of Students in the Last 3 Years								
	2021- 2022			2020 - 2021			2019– 2020		
	Total	Enrolled	Placed	Total	Enrolled	Placed	Total	Enrolled	Placed
CSE	44	44	42	44	40	36	48	43	43
IT	24	24	21	33	33	31	40	40	37
ECE	28	28	25	53	53	49	77	77	70
EEE	0	0	0	22	22	20	31	31	29
MECH	24	24	21	75	75	69	89	89	79

17. List of Research Projects / Consultancy Works

17.1 Publications

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
2021-22					
An efficient authentication using monitoring scheme for node misbehaviour detection in MANET	Dr.A.Christopher Paul,Dr.D.Bhanu, R.Dhanapal	IT	EAI/Springer Innovations in Communication and Computing	2021	978-3-030-86164-3
Automated Deep Learning Based Cardiovascular Disease Diagnosis Using ECG Signals	S. Karthik, M. Santhosh , M. S. Kavitha A. Christopher Paul	IT	Tech Science Press	2021	--
An Analysis on Video Steganography Techniques	Ms. J. Mary Jenifer, Ms.A.Mahalakshmi	IT	Journal of Emerging Technologies and Innovative Research	2021	2349-5162
IoT based Air Pollution Tracking System in Vehicles using	Dr.N.Suma, Dr. C. Vimalarani, Dr. N. Shanmuga Vadivu & Dr. M. Shanmugasundaram	IT	Nat. Volatiles & Essent. Oils,	2021	2021; 8(5): 12501-12508

High speed and energy efficient subthreshold level converter for wider voltage conversion	V.J.ArulKarthick, Selvakumar Rajendran	ECE	Analog Integrated Circuits and Signal Processing (Springer)	2022	1573-1979
Thermal analysis of Alzheimer's disease prediction using random forest classification model	Parameswari, A. Kumar, K.V. Gopinath, S.	ECE	Materials today proceedings	2022	2214-7853
Investigation on thermal energy aware routing in integrated network for efficient energy storage	Syed Jamaesha, S. Gowtham, M.S. Gopinath, S. Shenbagharaman, A. Vinoth Kumar, K.	ECE	Materials today proceedings	2022	2214-7853
IoT based Air Pollution Tracking System in Vehicles using Raspberry Pi-3	Dr.N.Suma, Dr.C.Vimalarani, Dr.N.Shanmuga Vadivu, Dr.M.Shanmugasundaram	ECE	Natural Volatiles & Essential Oils	2022	2148-9637
The Recent Advancements in the Wireless Security and Smart Grid Technology in Protecting the Ecological aspects for better Future Generation — Analysis through Structural Equation Modeling	Syed Jamaesha S, K.Rajkumar, A.Shenbagharaman, Reena Malik, P.Nagarjuna, Shikha Kuchhal	ECE	IEEE Xplore	2022	10.1109/ICIPTM 54933.2022. 9754132
A Critical Review Analysis of the Opportunities and Potential of Implementing Cloud Computing System for Large Scale Ad Hoc Network	Gowtham M S, A.Shenbagharaman, B.Shanmugapriya Sateesh Nagavarapu, Antonyuk Olga	ECE	IEEE Xplore	2022	978-1-6654-3789-9-
Implementation of a High-Speed and High-Throughput Advanced Encryption	T. Manoj Kumar, P. Karthigaikumar	ECE	Intelligent Automation & Soft Computing	2022	1079-8587
Fuzzy Logic Based DSR Trust Estimation Routing Protocol for MANET Using Evolutionary Algorithms	Eswaramoorthy Vellingiri*, Vinoth Kumar Kalimuthu, Gopinath Samyudurai	ECE	Technical Gazette	2021	1848-6339

Implementation of Speed-Efficient Key-Scheduling Process of AES for Secure Storage and Transmission of Data	Thanikodi Manoj Kumar*, Kavitha Rani Balmuri, Adam Marchewka, Parameshachari Bidare Divakarachari, Srinivas Konda	ECE	Sensors	2021	1424-8220
An Effective Software Based Method to Analyze SCA Countermeasures for Advanced Encryption Standard	T. Manoj Kumar* , P. Karthigaikumar	ECE	Wireless Personal Communications	2021	0929-6212
A Low Area High Speed FPGA Implementation of AES Architecture for Cryptography Application	Thanikodi Manoj Kumar*, Kasarla Satish Reddy, Stefano Rinaldi , Bidare Divakarachari Parameshachari Kavitha Arunachalam	ECE	Electronics	2021	2079-9292
Efficient Resource Distribution in Cognitive Radio Network by Fuzzy based Cluster Against Attacks	P.Mayil Vel Kumar S.Sasipriya M.Bhuvaneshwari C.Karthikeyan	CSE	Springer ICTIS 2021	2022	978-981-16-3945-6
A context-aware practice problem recommender system using learner's skill level navigation patterns	P.N.Ramesh S.Kannimuthu	CSE	Intelligent Automation and Soft Computing Tech Science Press, USA (SCI)	2022	2326-005X
Mass diffusion and Radiation Absorption effects on some Non- nano fluids through a porous medium with hall current , ion slip and heat generation/absorption	Dr.S.Padmanaban, M.Jannath Begam, S.Deivanayaki	Mathematics	Elseiver's MaterialsToday	2021	2214-7853.
Oscillation of Second Order nonlinear Neutral Difference Equations	S.Sindhuja, J. Daphy Louis Lovenia, A.P.Lavanya	Mathematics	Mathematical Statistician and Engineering	2022	ISSN: 2094-0343
Analysis of reliability based on thermal cycle and aging effect in electron devices	R.Seetharaman, D. Anitha	Chemistry	Pramana – J. Phys.	2021	--

Modified Mangosteen shell carbon in the removal of Pb (II) and Hg (II) from aqueous solution – isotherm and kinetic studies	D. Anitha,A.Ramadevi	Chemistry	Global Nest Journal	2021	--
Biosorptive removal of Nickel(II) from aqueous solution by Mangosteen shell activated carbon	D. Anitha,A.Ramadevi R.Seetharaman	Chemistry	Materials Today: Proceedings	2021	--
Activated Mangosteen shell in removal of mercury ion from aqueous solution	D. Anitha,A.Ramadevi R.Seetharaman	Chemistry	Materials Today: Proceedings	2021	--
Review and Evaluation of Power Devices and Semiconductor Materials Based on Si, SiC, and Ga-N	M. Siva Ramkumar,1 R. Priya,2 R. Felshiya Rajakumari,3 Prajoona Valsalan,4 M. Kalyan Chakravarthi,5 G. Charlyn Pushpa Latha,6 S. Mathupriya,7 Kavitha Rajan 8	EEE	Journal of Nanomaterials	2022	--
Machine Learning Algorithm for Soil Analysis and Classification of Micronutrients in IoT-Enabled Automated Farms	T. Blesslin Sheeba,1 L. D. Vijay Anand ,2 Gunaselvi Manohar,3 Saravana Selvan ,4 C. Bazil Wilfred,5 K. Muthukumar,6 S. Padmavathy,7 P. Ramesh Kumar,8 Belete Tessema Asfaw	EEE	Journal of Nanomaterials	2022	--
Iterative Dichotomiser Posteriori Method Based Service Attack Detection in Cloud Computing	B. Dhiyanesh1, K. Karthick2, R. Radha3, Anita Venaik4	EEE	Tech Science Press - Computer Systems Science & Engineering	2022	--
investigation of mechanical and dynamic mechanical properties of novel Acacia arabica fibre polyester hybrid composites	P.Manimaran	Mech	Polymer Composites	2022	2724-2735

Extraction and development of starch-based bioplastics from Prosopis Juliflora Plant: Eco-friendly and sustainability aspects	P.Manimaran	Mech	Current Research in Green and Sustainable Chemistry	2022	2666-0865
Effect of green hybrid fillers loading on mechanical and thermal properties of vinyl ester composites	P.Manimaran	Mech	Polymer Composites	2022	0272-8397
A comprehensive review on performance and machinability of plant fiber polymer composites.	P.Manimaran	Mech	Polymer Composites	2021	0272-8397
Physico-Chemical Properties of Fiber Extracted from the Flower of Celosia Argentea Plant	P.Manimaran	Mech	Journal of Natural Fibres	2021	--
A Minimal Buffer Router with Level Encoded Dual Rail-Based Design of Network-on-Chip Architecture	Trupti Patil,1 Anuradha Sandi, D. M. Deepak Raj, S. Chandragandhi	Artificial Intelligence and Data Science	Hindawi - Wireless Communications and Mobile Computing	2022	--
Context-Aware Spectrum Sharing and Allocation for Multiuser-Based 5G Cellular Networks	A. Vijay Vasanth, D. Yuvaraj, Prasad Janga,Harsh Pratap Singh, R. Jaikumar, Subbiah Swaminathan, S. Chandragandhi	Artificial Intelligence and Data Science	Hindawi - Wireless Communications and Mobile Computing	2022	--

17.2 MoU's with Industries


Sl. No.	Name of the institution/ industry/ corporate house with whom MoU is signed
1	New Technology Mobile Phone Service Pvt. Ltd.
2	Rabwin Industries Pvt.Ltd
3	Bluesky Hose Manufacturing India Pvt. Ltd
4	Sekar Engineering Works

5	Kriatec Service Private Limited
6	Informative Data Systems
7	Indian Technology Congress Association
8	Repute Digital Business Agency, Coimbatore
9	Visaithalam Solutions, 12/18, Karnan Street, Vellalore, Coimbatore - 641 111 Mr.V.M. Prabhakaran (Founder and Head)
10	Object Automation Software Solutions Private Limited
11	Prime Tech Instrumentss
12	Greenstan Technologies
13	Novitech R&D Private Limited
14	Profenaa Technologies
15	MAS solar systems private limited
16	Thick India Pvt. Ltd., Coimbatore
17	Caliber Embedded Technologies, Coimbatore
18	ICT Academy of Tamil Nadu
19	Fiabilte Network Solutions Private Limited
20	Kovai Kulangal Padhukappu Amaippu
21	M/S Profenaa Automation
22	MaxCADD
23	Vlands Best Hub Pvt. Ltd.
24	CADD Centre Training Services
25	TEXAS Instruments Analog System Design Lab
26	M/s Kriatec Services(P) Limited
27	Banyan Soft
28	M/s. KEAS Control Systems Center for Learning(KCSCFL)
29	Apollo Computer Education LTD.,
30	LinuXpert Systems
31	Kumaran Systems Inc., Chennai

18.1 LoA and Subsequent EoA till the current Academic Year

Academic Year 2022 – 23

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2022-23

Extension of Approval (EoA)

F.No. Southern/1-10973996982/2022/EOA Date: 03-Jun-2022

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2022-23

Ref: Application of the Institution for Extension of Approval for the Academic Year 2022-23


Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-8932081	Application Id	1-10973996982
Name of the Institution	KARPAGAM INSTITUTE OF TECHNOLOGY	Name of the Society/Trust	KARPAGAM CHARITABLE TRUST
Institution Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.F.NO:247,248. L&T BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADUKKARAI, COIMBATORE, Tamil Nadu, 641105	Society/Trust Address	14A, LIC COLONY, SIDCO, COIMBATORE, COIMBATORE, Tamil Nadu, 641021
Institution Type	Private-Self Financing	Region	Southern
Year of Establishment	2007		

To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Anna University, Chennai	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	Anna University, Chennai	60	60	NA	NA


PRINCIPAL 4/11/2023
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore-641 105.

Application No:1-10973996982
Note: This is a Computer generated Report. No signature is required.
Printed By : ae6523881

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore-641 105.

Page 1 of 3
Letter Printed On: 9 July 2022

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL AND ELECTRONICS ENGINEERING	Anna University, Chennai	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Anna University, Chennai	120	120	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	Anna University, Chennai	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Anna University, Chennai	60	60	NA	NA

It is mandatory to comply with all the essential requirements as given in APH 2022-23 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC (NCL)/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2022-23 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE beginning with the Academic Year 2022-23
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as Approval Process Handbook and provisions made in AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Application No:1-10973996982

Note: This is a Computer generated Report. No signature is required.
Printed By : ae6523881

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
PRINCIPAL

KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore- 641 105.

Page 2 of 3

Letter Printed On:9 July 2022

Pharmacy Institute: In compliance with the order dated 05.03.2020 passed by the Hon'ble Supreme Court of India in Transferred Petitions (CIVIL) No 87-101 of 2014, for the existing institutions offering courses in Pharmacy Programme, approval of Pharmacy Council of India (PCI) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per the respective regulatory body (PCI). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by PCI, the approval of PCI shall prevail.

Architecture Institute: In compliance with the order dated 08.11.2019 passed by the Hon'ble Supreme Court of India in CA No.364/ 2005, for the existing Institutions offering Courses in Architecture Programme, approval by the Council of Architecture (CoA) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per respective regulatory body (CoA). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by CoA, the approval of CoA shall prevail.

Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

Prof.Rajive Kumar
Member Secretary, AICTE


Copy to:

1. **The Director Of Technical Education****, Tamil Nadu
2. **The Registrar****,
Anna University, Chennai
3. **The Principal / Director**,
KARPAGAM INSTITUTE OF TECHNOLOGY
Karpagam Institute Of Technology
S.F.No:247,248. L&T Bypass Road
Seerapalayam Village
Bodipalayam Post
Coimbatore - 641 105
Tamilnadu,
Madukkarai, Coimbatore,
Tamil Nadu, 641105
4. **The Secretary / Chairman**,
14A, LIC COLONY, SIDCO
COIMBATORE, COIMBATORE
Tamil Nadu, 641021
5. **The Regional Officer**,
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required


PRINCIPAL 4/1/2023.
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Posi,
Coimbatore-641 105.

Academic Year 2021 – 22

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2021-22

Extension of Approval (EoA)

F.No. Southern/1-9317613598/2021/EOA

Date: 10-Jul-2021

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education) (1st Amendment) Regulations, 2021 notified on 24th February 2021 and other notifications as applicable and published from time to time, I am directed to convey the approval to

Permanent Id	1-8932081	Application Id	1-9317613598
Name of the Institution /University	KARPAGAM INSTITUTE OF TECHNOLOGY	Name of the Society/Trust	KARPAGAM CHARITABLE TRUST
Institution /University Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.F.NO:247,248, L&T BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADUKKARAI, COIMBATORE, Tamil Nadu, 641105	Society/Trust Address	14A, LIC COLONY, SIDCO, COIMBATORE, COIMBATORE, Tamil Nadu, 641021
Institution /University Type	Private-Self Financing	Region	Southern

To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Anna University, Chennai	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	Anna University, Chennai	60	60	NA	NA

Application No:1-9317613598

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 1 of 3

Note: This is a Computer generated Report. No signature is required.
Printed By : ae6523881

Letter Printed On:15 July 2021

ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Anna University, Chennai	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	INFORMATION TECHNOLOGY	Anna University, Chennai	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	Anna University, Chennai	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Anna University, Chennai	60	60	NA	NA

It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy ** to:

1. **The Director of Technical Education**, Tamil Nadu**
2. **The Registrar**,
Anna University, Chennai**

3. **The Principal / Director,**
KARPAGAM INSTITUTE OF TECHNOLOGY
Karpagam Institute Of Technology
S.F.No:247,248, L&T Bypass Road
Seerapalayam Village
Bodipalayam Post
Coimbatore - 641 105
Tamilnadu,
Madukkarai,Coimbatore,
Tamil Nadu,641105
4. **The Secretary / Chairman,**
14A, LIC COLONY, SIDCO
COIMBATORE,COIMBATORE
Tamil Nadu,641021
5. **The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
6. **Guard File(AICTE)**


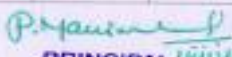
Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>.

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required


PRINCIPAL 14/12/2024
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore-641 105.

Academic Year 2020 – 21

All India Council for Technical Education (A Statutory body under Ministry of HRD, Govt. of India) Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org							
APPROVAL PROCESS 2020-21							
Extension of Approval (EoA)							
F.No. Southern/1-7015898825/2020/EoA				Date: 15-Jun-2020			
To,							
The Principal Secretary (Higher Education) Govt. of Tamil Nadu, N. K. M. Bld. 6th Floor Secretariat, Chennai-600009							
Sub: Extension of Approval for the Academic Year 2020-21							
Ref: Application of the Institution for Extension of Approval for the Academic Year 2020-21							
Sir/Madam,							
In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2020 notified by the Council vide notification number F.No. AB/WCTE/REG/2020 dated 4 th February 2020 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to							
Permanent Id	1-8932081			Application Id	1-7015898825		
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY			Name of the Society/Trust	KARPAGAM CHARITABLE TRUST		
Institute Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.F.NO 247,248, L&T BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADHUKKARAI, COIMBATORE, Tamil Nadu, 641105			Society/Trust Address	14A, LIC COLONY, SIDCO, COIMBATORE, COIMBATORE, RE, Tamil Nadu, 641021		
Institute Type	Private-Self Financing			Region	Southern		
To conduct following Courses with the intake indicated below for the Academic Year 2020-21							
Program	Level	Course	Assessing Body (University /Body)	Intake Approved for 2019-20	Intake Approved for 2020-21	NIR Approval Status	PIO / FN / Galt quota / OCI / Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Anna University, Chennai	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	Anna University, Chennai	60	60	NA	NA
 PRINCIPAL 15/06/2020 KARPAGAM INSTITUTE OF TECHNOLOGY L&T Bypass Road, Bodipalayam-Pos, Coimbatore- 641 105.							
Application No:1-7015898825				ALL INDIA COUNCIL FOR TECHNICAL EDUCATION		Page 1 of 3	
Note: This is a Computer generated Report. No signature is required.						Letter Printed On:17 June 2020	
Printed By : aicte523881							

ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Anna University, Chennai	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	INFORMATION TECHNOLOGY	Anna University, Chennai	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	Anna University, Chennai	120	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Anna University, Chennai	0	60 ^{##}	NA	NA

Approved New Course(s)

\$\$ Course(s) should be offered in Emerging Area

It is mandatory to comply with all the essential requirements as given in APH 2020-21 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2020-21 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years beginning with the Academic Year 2020-21.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2020-21 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE.
3. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.
4. Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 373/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Prof. Hajive Kumar
Member Secretary, AICTE

Copy to:

1. The Director Of Technical Education**, Tamil Nadu

P. Hanumanth
PRINCIPAL 14/12/2021

KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post.
Coimbatore-641 105.

Application No:1-701598829

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 2 of 2

Note: This is a Computer generated Report. No signature is required.

Printed by : jw6523681

Letter Printed On:17 June 2020

2. **The Registrar****,
Anna University, Chennai
3. **The Principal / Director**,
KARPAGAM INSTITUTE OF TECHNOLOGY
Karpagam Institute Of Technology
S.F.No:247,248, L&T Bypass Road
Seerapalayam Village
Bodipalayam Post
Coimbatore - 641 105
Tamilnadu,
Madukkurai,Coimbatore,
Tamil Nadu,641105
4. **The Secretary / Chairman**,
14A, LIC COLONY, SIDCO
COIMBATORE,COIMBATORE
Tamil Nadu,641021
5. **The Regional Officer**,
All India Council for Technical Education
Shastri Bhawan 26, Haddowa Road
Chennai - 600 006, Tamil Nadu
6. **Guard File(AICTE)**


Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

P. V. Jeyaraj
PRINCIPAL 14/11/2024
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore- 641 105.

Academic Year 2019 – 20

All India Council for Technical Education
 (A Statutory body under Ministry of HRD, Govt. of India)
 Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2019-20
Extension of Approval (EoA)

F.No. Southern/1-4267015703/2019/EoA Date: 29-Apr-2019

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of Approval for the Academic Year 2019-20

Ref: Application of the Institution for Extension of approval for the Academic Year 2019-20

Sir/Madam,


In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2018 notified by the Council vide notification number F.No.AB/AICTE/REG/2018 dated 31/12/2018 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	T-8932081	Application Id	T-4267015703
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	Name of the Society/Trust	KARPAGAM CHARITABLE TRUST
Institute Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.F.NO-247,248, L&T BYPASS ROAD SEERAPALAYAM VILLAGE BOOPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADURKARAI, COIMBATORE, Tamil Nadu, 641105	Society/Trust Address	14A, LIC COLONY, SIDCO, COIMBATORE, COIMBATOR E, Tamil Nadu, 641021
Institute Type	Unaided - Private	Region	Southern

Opted for Change from Women to Co-Ed and vice versa	No	Change from Women to Co-Ed and vice versa Approved or Not	NA
Opted for Change of Name	No	Change of Name Approved or Not	NA
Opted for Change of Site/Location	No	Change of Site/Location Approved or Not	NA
Opted for Conversion from Degree to Diploma or vice versa	No	Conversion for Degree to Diploma or vice versa Approved or Not	NA
Opted for Organization Name Change	No	Change of Organization Name Approved or Not	NA
Opted for Merger of Institution	No	Merger of Institution Approved or Not	NA
Opted for Introduction of New Program/Level	No	Introduction of Program/Level Approved or Not	NA

To conduct following Courses with the Intake Indicated below for the Academic Year 2019-20

Program	Str	Level	Course	FT/PT	Attaching Body (Univ/Bod.)	Intake Approved for 2019-20	NR Approval Status	PO / PN / Gull quota / CC Approval Status
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	COMPUTER SCIENCE AND	FT	Anna University, Chennai	60	NA	NA


PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Andinayakan Road

Application No: T-4267015703
 Note: This is a Computer generated Report. No signature is required.
 Printed By : 06652081

Page 1 of 3
 Letter Printed On: 2 May 2019

			ENGINEERING					
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FT	Anna University, Chennai	60	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FT	Anna University, Chennai	120	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	INFORMATION TECHNOLOGY	FT	Anna University, Chennai	60	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	MECHANICAL ENGINEERING	FT	Anna University, Chennai	120	NA	NA

-FT -Full Time,PT-Part Time

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 6(4) of the said Regulation.

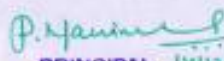
It is mandatory to comply all the essential requirements as given in APH 2019-20(appendix 6)

NOTE: If the State Government / UT / DTE / DME has a reservation policy for admission in Technical Education Institutes and the same is applicable to Private & Self-financing Technical Institutions, then the State Government / UT/ DTE / DME shall ensure that 10 % of Reservation for EWS would be operational from the Academic year 2019-20 without affecting the percentage reservations of SC/ST/OBC-General. However, this would not be applicable in the case of Minority Institutions referred to the clause (1) of Article 30 of Constitution of India.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. The Director Of Technical Education**, Tamil Nadu
2. The Registrar**,
Anna University, Chennai
3. The Principal / Director,
Karpagam Institute Of Technology
Karpagam Institute Of Technology
S.F.No:247,248, L&T Bypass Road
Soorapalayam Village
Bodipalayam Post
Coimbatore - 641 105
Tamilnadu,
Madukkerai,Coimbatore,
Tamil Nadu,641105


PRINCIPAL 14/12/2021

KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-P.O.,
Coimbatore- 641 105.

Application No:1-4267015703
Note: This is a Computer generated Report. No signature is required.
Printed By : ae6523881

Page 2 of 2
Letter Printed On:2 May 2019

4. **The Secretary / Chairman,**
Karpagam Charitable Trust
14A, Lic Colony, Sidoo,
Coimbatore, Coimbatore,
Tamil Nadu, 641021
5. **The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

Application No:1-4267015703



Note: This is a Computer generated Report. No signature is required.
Printed By : an522881


PRINCIPAL 19/12/2024
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Rodinoleksum, K...

Page 3 of 3

Letter Printed On: 2 May 2019

Academic Year 2018-19

All India Council for Technical Education (A Statutory body under Ministry of HRD, Govt. of India) Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org									
APPROVAL PROCESS 2018-19									
Extension of Approval (EoA)									
F.No. Southern/T-3512584091/2018/ECA					Date: 10-Apr-2018				
To,									
The Principal Secretary (Higher Education) Govt. of Tamil Nadu, N. K. M. Bld. 6th Floor Secretariat, Chennai-600009									
Sub: Extension of Approval for the Academic Year 2018-19									
Ref: Application of the Institution for Extension of approval for the Academic Year 2018-19									
Sir/Madam,									
In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and amended on December 5, 2017 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to									
Permanent Id	1-5832081			Application Id	1-3512584091				
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY			Name of the Society/Trust	KARPAGAM CHARITABLE TRUST				
Institute Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.F.NO:247,248, L&T BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADUKKARAI, COIMBATORE, Tamil Nadu, 641105			Society/Trust Address	14A, LIC COLONY, SIDCO, COIMBATORE, COIMBATORE E, Tamil Nadu, 641021				
Institute Type	Modeled Private			Region	South India				
Opted for Change from Women to Co-Ed and vice versa	No			Change from Women to Co-Ed and vice versa Approved or Not	NA				
Opted for Change of Name	No			Change of Name Approved or Not	NA				
Opted for Change of Site	No			Change of Site Approved or Not	NA				
Opted for Conversion from Degree to Diploma or vice versa	No			Conversion for Degree to Diploma or vice versa Approved or Not	NA				
Opted for Organization Name Change	No			Change of Organization Name Approved or Not	NA				
To conduct following Courses with the Intake indicated below for the Academic Year 2018-19									
Program	Shift	Level	Course	FT/PT	Affiliating Body (Univ. Sec.)	Intake Approved for 2018-19	Inte Approval Status	PJO / PM / Gull / SIOLE / COI Approval Status	Foreign Collaboration / Twinning Program Approval Status
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FT	Anna University, Chennai	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FT	Anna University, Chennai	60	NA	NA	NA
 PRINCIPAL KARPAGAM INSTITUTE OF TECHNOLOGY L&T Bypass Road, Bodipalayam-Post, Coimbatore - 641 105						Page 1 of 2 Application No: 1-3512584091 Note: This is a Computer generated Report. No signature is required. Printed By : a60223681 Letter Printed On: 25 April 2018			

ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FT	Anna University, Chennai	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	INFORMATION TECHNOLOGY	FT	Anna University, Chennai	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	MECHANICAL ENGINEERING	FT	Anna University, Chennai	120	NA	NA	NA

+FT –Full Time, PT-Part Time

Punitive Action against the Institute

In case of any differences in content in this Computer generated Extension of Approval Letter, the contents/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 57-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
Shastri Bhawan 28, Haddows Road
Chennai - 600 026, Tamil Nadu
2. The Director Of Technical Education**,
Tamil Nadu
3. The Registrar**,
Anna University, Chennai
4. The Principal / Director,
KARPAGAM INSTITUTE OF TECHNOLOGY
KARPAGAM INSTITUTE OF TECHNOLOGY
S.F.NO.247,248, L&T BYPASS ROAD
SEERAPALAYAM VILLAGE
BODIPALAYAM POST
COIMBATORE - 641 105
TAMIL NADU,
MADUKKARAI, COIMBATORE,
Tamil Nadu, 641105
5. The Secretary / Chairman,
KARPAGAM CHARITABLE TRUST
14A, 14C COX DRY, SEICO,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641021
6. Guest File(AICTE)

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(Bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

Application No:1-351268-0991

Note: This is a Computer generated Report. No signature is required.
Printed By: aac6523681


PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY

Page 2 of 2

Letter Printed On:05 April 2018

Academic Year 2017-18



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg/Vasant Kurg, New Delhi-110057

PHONE: 2372415/525354/559557 FAX: 011-33724183 www.aicte-india.org

F.No. Southern/1-3324570388/2017/EOA

Date: 10-Apr-2017

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2017-18

Ref: Application of the Institution for Extension of approval for the academic year 2017-18

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2016 notified by the Council vide notification number F.No.AB/AC/TE/REG/2016 dated 30/11/2016 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-3324570388	Application Id	1-3324570388
Name of the Institute	KANPAGAM INSTITUTE OF TECHNOLOGY	Institute Address	KANPAGAM INSTITUTE OF TECHNOLOGY B.F.NO.247,248, L&T BYPASS ROAD SIBERAPPAIYAM VILLAGE SODDALAYAM POST COMBATORE - 641 505 TAMILNADU, MADHUKARAI, COMBATORE, Tamil Nadu, 641505
Name of the Society/Trust	KANPAGAM CHARITABLE TRUST	Society/Trust Address	MA. LK. EDELOBY, SODOL COMBATORE, COMBATORE, Tamil Nadu, 641501
Institute Type	Unaided - Private	Region	Southern

Opted for change from Women to Co-ed and vice versa	No	Opted for change of name	No	Opted for change of aff.	No
Change from Women to Co-ed approved and vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of aff. Approved	Not Applicable
Opted for Conversion from degree to diploma	No	Opted for Conversion from diploma to degree	No	Conversion (degree to diploma or vice versa) Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2017-18

Application Id: 1-3324570388			Course		Duration Time	Approving Body	A-Link Approved for 2016-17	B-Link Approved for 2017-18	AICTE Approval status	POI / EN / O&T system Approved status	AICTE Approval status
Program	Intake	Level									
ENGINEERING	Full Scale	UNDERGRADUATE	COMPUTER SCIENCE AND	FULL TIME	Three	University	90	60	NA	NA	NA

Application Number: 1-3324570388

Note: This is a Computer generated Report. No signature is required.

P. Vasanth

Page 1 of 1

Letter Printed On: 21 April 2017



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg/Vasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724153 www.aicte-india.org

GRAND TECHNOLOGY	1st SEM	2nd SEM	3rd SEM	4th SEM	5th SEM	6th SEM	7th SEM	8th SEM	9th SEM	10th SEM
ENGINEERING AND TECHNOLOGY	UND GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA	
ENGINEERING AND TECHNOLOGY	1st SEM	2nd SEM	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Chennai	180	120	NA	NA	NA
						60	60	NA	NA	NA

Academic Year 2016-17



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

ENGINEERING AND TECHNOLOGY		GRADUATE	ENGINEERING		Chennai					
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	NA

The above mentioned approval is subject to the condition that KARPAGAM INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Course(s) Applied for Closure by the Institute for the AY 2016-17:

Application Id: 1-2811107367			Name of the Course	Full/Part Time	Affiliating Body	Course Closure Status
Program	Shift	Level				
MANAGEMENT	1st Shift	POST GRADUATE	BUSINESS ADMINISTRATION : (Last Approved Intake 120)	FULL TIME	Anna University, Chennai	Pending ^{\$}
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS : (Last Approved intake UU)	FULL TIME	Anna University, Chennai	Pending ^{\$}

^{\$} due to non submission of NOC's from University / Board and / or State Government

Application Number: 1-2811107367

Note: This is a Computer generated Report.No signature is required.

Printed By : ae6523881

P. Mani
PRINCIPAL

Page 2 of 3
Letter Printed On: 3 May 2016

KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post.
Coimbatore- 641 105.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 2372415/53/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

In case of any differences in content in this Computer generated Extension of Approval Letter, the contents/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org.

Prof. Alok Prakash Mittal
Member Secretary, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
Shanti Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
2. The Director Of Technical Education,
Tamil Nadu
3. The Registrar,
Anna University, Chennai
4. The Principal / Director,
KARPAGAM INSTITUTE OF TECHNOLOGY
KARPAGAM INSTITUTE OF TECHNOLOGY
S.F.NO.247,248, L&T BYPASS ROAD
SEERAPALAYAM VILLAGE
BODIPALAYAM POST
COIMBATORE - 641 105
TAMILNADU,
MADUKKARAI, COIMBATORE,
Tamil Nadu, 641105
5. The Secretary / Chairman,
KARPAGAM CHARITABLE TRUST
14A, LIC COLONY, SIDCO,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641021
6. Grand File(AICTE)

Application Number: 1-2611107307
Note: This is a Computer generated Report. No signature is required.
Printed By: alic23081

P. N. Srinivasan
15/10/2016
PRINCIPAL

Page 3 of 3
Letter Printed On: 3 May 2016

KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road Bodipalayam Post

Academic Year 2015-16



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrasekhar Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Southern/1-2456284368/2015/EOA

Date: 07-Apr-2015

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 8th Floor Secretariat,
Chennai-600009

Subj: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Regd/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application id	1-2456284368
		Permanent Id	16832081
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	Institute Address	KARPAGAM INSTITUTE OF TECHNOLOGY 8 FAD 247, 248, LAT BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADHUKARAI, COIMBATORE, Tamil Nadu, 641105
Name of the Society/Trust	KARPAGAM INSTITUTE OF TECHNOLOGY	Society/Trust Address	LAT BYPASS ROAD, SEERAPALAYAM VILLAGE, BODIPALAYAM POST, COIMBATORE, COIMBATORE, Tamil Nadu, 641105
Institute Type	Unaided - Private		

Copied for change from Women to Co-ed	No	Copied for change of name	No	Copied for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16

Application Number: 1-2456284368

Page 1 of 4

Note: This is a Computer generated Letter of Approval. No signature is required.

Letter Printed On 11 April 2015

Printed By: aei623001

P. Karthikeyan

PRINCIPAL 14/12/2014
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore-641 105.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724163 www.aicte-india.org

Application ID: 1-249294368			Course	Full-time	Affiliating Body	India 2014-15	India Approval for 15-16	NET Approval 2014-15	AICTE Approval India	Foreign Collaboration Approval India
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	120	120	NA	NA	NA
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Anna University, Chennai	60	60	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org/departments/approvals

The above mentioned approval is subject to the condition that KARPAGAM INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Application Number: 1-249294368

Page 2 of 4

Note: This is a Computer generated Letter of Approval. No signature is required.

Letter Printed On: 11 April 2015

Printed By: auct20851


PRINCIPAL 14/04/2015
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore-641 105.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrasekhar Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Dr. Avinash S Pant
Actg Chairman, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
Shashi Bhawan 28, Haddows Road
Chennai - 600 006, Tamil Nadu
2. The Director Of Technical Education,
Tamil Nadu
3. The Registrar,
Anna University, Chennai
4. The Principal / Director,
KARPAGAM INSTITUTE OF TECHNOLOGY
KARPAGAM INSTITUTE OF TECHNOLOGY
S.F.NO:247,248, L&T BYPASS ROAD
SEERAPALAYAM VILLAGE
RODIPALAYAM POST
COIMBATORE - 641 105
TAMILNADU
MADUNKARAI, COIMBATORE,
Tamil Nadu, 641105
5. The Secretary / Chairman,
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T BYPASS ROAD, SEERAPALAYAM VILLAGE, RODIPALAYAM POST, COIMBATORE,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641105
6. Guard File(AICTE)

Application Number: 1-058/26498*

Page 3 of 4

Note: This is a Computer generated Letter of Approval. No signature is required.

Letter Printed On: 11 April 2015

Printed By: ae022681


PRINCIPAL 14/04/2015
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Rodipalayam-Village,
Coimbatore-641 105



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrak Building, Jorhat, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Number: 13/6426/1989

Page 4 of 4


Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:11 April 2015

Printed By : au523881


PRINCIPAL *14/12/2014*
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodinayakanur-Post,
Coimbatore-641 105.

Academic Year 2014-15



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F No: Southemr1-2017234124/2014/EOA Date: 04-Jun-2014

To:
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
M. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2014-15

Re: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Section	Application Id	S-2017234124
		Permanent Id	1-6032061
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	Institute Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.P. NO.247,248, L&T BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADHUKARAL COIMBATORE, Tamil Nadu, 641105
Name of the Society/Trust	KARPAGAM INSTITUTE OF TECHNOLOGY	Society/Trust Address	L&T BYPASS ROAD, SEERAPALAYAM VILLAGE, BODIPALAYAM POST, COIMBATORE, COIMBATORE, COIMBATORE, Tamil Nadu, 641105
Institute Type	Unaided - Private		

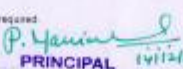
Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

Application Number: S-2017234124

Note: This is a Computer generated Letter of Approval; no signature is required

Printed By: AE/523881


PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
 L&T Bypass Road, Bodipalayam Post,
 Coimbatore-641 105.

Page 1 of 1
Letter Printed On: 6 June 2014



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Jangpeth, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application No. 1-2017234124			Course		Affiliating Body	New 2013-14	India Approved for 14-15	NRI Approval status	FD Approval status	Foreign Collaboration Approval status
Program	Shift	Level		Full/Part Time						
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AERONAUTICAL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	N
MANAGEMENT	1st Shift	POST GRADUATE	BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	120	120	NA	NA	N
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Anna University, Chennai	60	60	NA	NA	N

* Validity of the course details may be verified at www.aicte-india.org/departments/approvals

Application Number: 1-2017234124*

Page 2 of 4

Note: This is a Computer generated Letter of Approval. No signature is required.

Letter Printed On: 6 June 2014

Printed By: AE0520801

P. Hanumanth
PRINCIPAL 14/06/2014
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bydoss Road, Redinalaam, Dindur



The above mentioned approval is subject to the condition that KARPAGAM INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators of incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)
Member Secretary, AICTE

Copy to

1. The Regional Officer,
All India Council for Technical Education
Shashi Bhawan 26, Haddows Road
Chennai - 600 005, Tamil Nadu
2. The Director Of Technical Education,
Tamil Nadu
3. The Registrar,
Anna University, Chennai
4. The Principal / Director,
KARPAGAM INSTITUTE OF TECHNOLOGY
KARPAGAM INSTITUTE OF TECHNOLOGY
S/F NO:267,248, L&T BYPASS ROAD
SEERAPALAYAM VILLAGE
BODIPALAYAM POST
COMBATORE - 641 105
TAMIL NADU;
MADUKKARAI, COMBATORE,
Tamil Nadu, 641100
5. The Secretary / Chairman,
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T BYPASS ROAD, SEERAPALAYAM VILLAGE, BODIPALAYAM POST, COMBATORE,
COMBATORE, COIMBATORE,

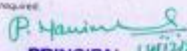
Form-AICTE/Regd/1-1/11/234528

Page 3 of 4

Note: This is a Computer generated Letter of Approval. No signature is required.

Letter Printed On 06 June 2014

Priority No: AICTE/2009


PRINCIPAL 14/12/2014
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam Post



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Jangpeth, New Delhi-110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte.ac.in

Tamil Nadu,641105

6. Guard File(AICTE)

Application Number: 1-001T234124*

Note: This is a Computer generated Letter of Approval.No signature is required.

Printed By: AE6523681

Page 4 of 4

Letter Printed On:03 June 2014


PRINCIPAL, 15/12/2014
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Road, Rautapalayam, Pondicherry

Academic Year 2013-14



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrasekhar Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724163 www.aicte-india.org

F.No. Southern/1-1455632642/2013/EOA

Date: 19-Mar-2013

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2013-14

Ref: Application of the Institution for Extension of approval for the academic year 2013-14

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office:	Southern	Application Id	1-1455632642
		Permanent Id	1-6602061
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	Institute Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.F NO.247,248, 1ST BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COMBATORE - 641 105 TAMILNADU, MADURAKAPAL COMBATORE, Tamil Nadu, 641105
Name of the Society/Trust	KARPAGAM INSTITUTE OF TECHNOLOGY	Society/Trust Address	1ST BYPASS ROAD, SEERAPALAYAM VILLAGE, BODIPALAYAM POST, COMBATORE, COMBATORE, COMBATORE, Tamil Nadu, 641105
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2013-14

Application Number: 1-1455632642

Page 1 of 2

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On: 20 March 2013.

Printed By : aae523981

P. Hanumanth
PRINCIPAL 19/03/2013
KARPAGAM INSTITUTE OF TECHNOLOGY
1ST Bypass Road, Bodipalayam, Post



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrabh Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application No: 1-1455632642			Course	Affiliating Body	Full Part Time	Mains 2012-13	Results Approved for 13-14	N/A	PO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AERONAUTICAL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Chennai	180	180	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	No	No	No
MANAGEMENT	1st Shift	POST GRADUATE	BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	120	120	No	No	No
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Anna University, Chennai	60	60	No	No	No

* Validity of the course details may be verified at www.aicte-india.org departmental approvals

The above mentioned approval is subject to the condition that KARPAGAM INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution

Application Number: 1-1455632642

Page 2 of 2

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On: 20 March 2013.

Printed By : set523881


PRINCIPAL 14/03/2013
KARPAGAM INSTITUTE OF TECHNOLOGY
LST Bypass Road, Bodinalayam-Post,
Chennai-600 076



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37/3(Legal)/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)
Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
Shashi Shivan 25, Haddows Road
Chennai - 600 005, Tamil Nadu
2. **The Director Of Technical Education,**
Tamil Nadu
3. **The Registrar,**
Anna University, Chennai
4. **The Principal / Director,**
KARPAGAM INSTITUTE OF TECHNOLOGY
KARPAGAM INSTITUTE OF TECHNOLOGY
S.F.NO:247,248, L&T BYPASS ROAD,
SEERAPALAYAM VILLAGE,
BODIPALAYAM POST
COIMBATORE - 641 105
TAMILNADU,
MADURAKARAI, COIMBATORE,
Tamil Nadu, 641105
5. **The Secretary / Chairman,**
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T BYPASS ROAD, SEERAPALAYAM VILLAGE, BODIPALAYAM POST, COIMBATORE,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641105
6. **GUARD FILE(AICTE)**


Application Number: 1-1455532642*

Page 3 of 3

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On: 20 March 2013.

Printed By : aar623881


PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T BYPASS ROAD, SEERAPALAYAM VILLAGE, BODIPALAYAM POST, COIMBATORE, COIMBATORE, TAMILNADU, 641105

Academic Year 2012-13



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandrablok Building, Jangpach, New Delhi-110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Southern1-706052891(2012)EOA

Date: 10 May 2012

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2012-13

Ref: Application of the Institution for Extension of approval for the academic year 2012-13

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2010 notified by the Council vide notification number F.No.37-3/Legal/2010 dated 10/12/2010 and amendment vide notification number F.No.37-3/Legal/2011 dated 30/09/2011 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-706052891
		Permanent Id	18932081
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	Institute Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.F NO 247,248, LST BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COMBATOR - 641 105 TAMILNADU, COMBATOR, COMBATOR, Tamil Nadu, 641105
Name of the Society/Trust	KARPAGAM INSTITUTE OF TECHNOLOGY	Society/Trust Address	LST BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COMBATOR, COMBATOR, COMBATOR, Tamil Nadu, 641105
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2012-13

Application Number: 1-706052891

Page 1 of 4

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On: 10 May 2012.

Printed By: AKR/2881


PRINCIPAL 14/05/2012
KARPAGAM INSTITUTE OF TECHNOLOGY
LST Bypass Road, Bodipalayam-Post,



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrosok Building, Janpath, New Delhi-110 001
PHONE: 23724181/82/83/84/85/86/87 FAX: 011-23724183 www.aicte-india.org

Application No: 73052891	Course	Program	Shi	Level	Full Time	Assisting Body	Grade 2011-12	Grade Applied for 2013	Not by	PO	Foreign Collaboration
ENGINEERING AND TECHNOLOGY	1st SEM	UNDERGRADUATE	1st SEM	1st SEM	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st SEM	UNDERGRADUATE	1st SEM	1st SEM	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st SEM	UNDERGRADUATE	1st SEM	1st SEM	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st SEM	UNDERGRADUATE	1st SEM	1st SEM	FULL TIME	Anna University, Coimbatore	120	120	No	No	No
ENGINEERING AND TECHNOLOGY	1st SEM	UNDERGRADUATE	1st SEM	1st SEM	FULL TIME	Anna University, Coimbatore	60	60	No	No	No

Application Number: 73052891*

Page 2 of 4

Note: This is a Computer-generated Representation of AICTE's Letter. No signature is required.

Letter Printed On: 05 May 2012

Powered By: AICTE2891


PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post.
Coimbatore-641 405



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrablok Building, Jangpoh, New Delhi- 110 001
PHONE: 2372415/5253/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application No. 1-70652801	Course	Program	Level	Full Time	Attaching Body	Male 2011-12	Female 2011-12	Ratio	Ratio	Ratio	Foreign Collaboration
		ENGINEERING AND TECHNOLOGY	1st Year	FULL TIME	Anna University, Coimbatore	80	120	No	No	No	No
		MANAGEMENT	1st Year	FULL TIME	Anna University, Coimbatore	120	120	No	No	No	No
		MCA	1st Year	FULL TIME	Anna University, Coimbatore	60	60	No	No	No	No

The above mentioned approval is subject to the condition that KARPAGAM INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any difference in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Lga/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. K P Isaac)

Member Secretary, AICTE

Copy to:

- The Regional Officer,
All India Council for Technical Education


Application Number: 1-70652801*

Page 3 of 4

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On: 18 May 2017

Printed By: AD0523881


PRINCIPAL 14/12/2021
KARPAGAM INSTITUTE OF TECHNOLOGY
LAT Bypass Road, Sordipalayam, Post.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrasekhar Building, Janpath, New Delhi-110 001
PHONE: 2372415/5253/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Shree Shivan 28, Haddows Road
Chennai - 600 006, Tamil Nadu

2. The Director Of Technical Education,
Tamil Nadu
3. The Registrar,
Anna University, Coimbatore
4. The Principal / Director,
KARPAGAM INSTITUTE OF TECHNOLOGY
KARPAGAM INSTITUTE OF TECHNOLOGY
S.F.NO 247,248, L&T BYPASS ROAD
SEERAPALAYAM VILLAGE
BODIPALAYAM POST
COIMBATORE - 641 105
TAMILNADU,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641105
5. The Secretary / Chairman,
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T BYPASS ROAD, SEERAPALAYAM VILLAGE, BODIPALAYAM POST, COIMBATORE,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641105
6. Guard File(AICTE)

Application Number: 1-730052891*

Page 4 of 4

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On: 18 May 2012.

Printed By: AERIS20081


PRINCIPAL 18/05/2012

KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Seerapalayam, Dist:

7th Floor, Chandrosk Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.akre-india.com

Date: 01-09-2019

Sub: Extension of approval for the academic year 2011-12.
Ref: Application of the Institution for Extension of Approval for the Year 2011-12

In terms of the Regulations issued by the Council vide P.N. 37-3/Legal/2011 dated 10/12/2010 and norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the extension of approval of the Council to

To conduct following courses with the intake indicated below for the academic year 2011-12

Application Number: 1-425619482

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

PRINCIPAL _____ Date of visit: 21.08.2014

KARPAGAM INSTITUTE OF TECHNOLOGY
LAT Bypass Road, Bodipalayam-Post,



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrasekhar Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application No: 1401019402			Course	Duration	Attending Body	Intake 2010-11	Intake Approved for 11/12	NTI	PIC	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONIC AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Coimbatore	60	120	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
MANAGEMENT	1st Shift	POSTGRADUATE	BUSINESS ADMINISTRATION	FULL TIME	Anna University, Coimbatore	60	120	No	No	No
MCA	1st Shift	POSTGRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Anna University, Coimbatore	60	60	No	No	No

The above mentioned approval is subject to the condition that KARPAGAM INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved

Application Number: 1401019402

Note: This is a Computer generated Extension of Approval Letter. No signature is required.


PRINCIPAL

Page 2 of 3

21-09-2011

KARPAGAM INSTITUTE OF TECHNOLOGY
L & T Bypass Road, Rindipalayam-Post.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandrasekhar Building, Janpath, New Delhi-110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-35/Legat/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. K P Isaac)

Member Secretary, AICTE

Copy to:-


1. The Regional Officer,
All India Council for Technical Education
Shastri Bhawan 26, Naddows Road
Chennai - 600 098, Tamil Nadu
2. The Director Of Technical Education,
Tamil Nadu
3. The Registrar,
Anna University, Coimbatore
4. The Principal / Director,
KARPAGAM INSTITUTE OF TECHNOLOGY
KARPAGAM INSTITUTE OF TECHNOLOGY
S.P.NO:247,248, L&T BYPASS ROAD
SEERAPALAYAM VILLAGE
BODIPALAYAM POST
COIMBATORE - 641 105
TAMILNADU,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641105
5. The Secretary / Chairman,
KARPAGAM INSTITUTE OF TECHNOLOGY,
L&T BYPASS ROAD, SEERAPALAYAM VILLAGE, BODIPALAYAM POST, COIMBATORE,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641105
6. Guard File(AICTE)

Application Number: 1-4016/20462

Note: This is a Computer generated Extension of Approval Letter. No signature is required. **PRINCIPAL** *P. Hanumanth*
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodinalayam Post,
Date of printing: 21-09-2011

Page 1 of 3

Academic Year 2010-11



All India Council for Technical Education
(A Statutory Body under Ministry of HRD, Govt of India)
7th floor, Chandrasekhar Building, Jangpui, New Delhi 110 001
Phone : 11 23724151-57 FAX : 11 23724153 www.aicte-india.org

No. : Southern Region/1-8932081/2010/EOA August 23, 2010

To:
Principal Secretary (Higher Education) Govt. of Tamil Nadu, N. K. M. Bldg
6th Floor Secretariat, Chennai-600009

Sub: Extension of approval for the academic year 2010-11.

Re:

In terms of the Regulations notified by the Council vide F. No. 37-3/Legal/2010 and norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the extension of approval of the Council to:

KARPAGAM INSTITUTE OF TECHNOLOGY, KARPAGAM INSTITUTE OF TECHNOLOGY, KARPAGAM INSTITUTE OF TECHNOLOGY, F.NO:247,248, L&T BYPASS ROADSEERAPALAYAM VILLAGEBODIPALAYAM POSTCOIMBATORE - 641 105TAMILNADU, COIMBATORE, TAMIL NADU, PIN : 641 105

for conduct of the following courses with the intake indicated below in the academic year 2010-11:

Sr. No.	Program	Level	Shift	Course	Intake 2009-10	Intake 2010-11
1	Engg / Tech	UG	First Shift	MECHANICAL ENGG	60	60
2	Engg / Tech	UG	First Shift	INFORMATION TECH	60	60
3	Engg / Tech	UG	First Shift	ELECTRONICS & COMMUN ENGG	60	60
4	Engg / Tech	UG	First Shift	ELECTRICAL & ELECTRONICS ENGG	60	60
5	Engg / Tech	UG	First Shift	COMPUTER SCIENCE & ENGG	60	60
6	Engg / Tech	UG	First Shift	CIVIL ENGG.	0	0
7	Engg / Tech	UG	First Shift	AERONAUTICAL ENGG	60	60
8	COMPUTER APPLICATION	PG	First Shift	MCA [FULL TIME]	60	60
9	Management	PG	First Shift	MBA [FULL TIME]	60	60

The above mentioned approval is subject to the condition that:

KARPAGAM INSTITUTE OF TECHNOLOGY, KARPAGAM INSTITUTE OF TECHNOLOGY, KARPAGAM INSTITUTE OF TECHNOLOGY, F.NO:247,248, L&T BYPASS ROADSEERAPALAYAM VILLAGEBODIPALAYAM POSTCOIMBATORE - 641 105TAMILNADU, COIMBATORE, TAMIL NADU, PIN : 641 105

shall follow and adhere to the regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and hard copy to Regional Office.

P. Hameed To
PRINCIPAL 14/08/2010 o/s
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road Bodipalayam-P.O.
Coimbatore

Academic Year 2009-10

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION				
STATUS OF APPROVAL (INCLUDING VARIATION IN INTAKE / ADDITIONAL COURSE(S)) FOR AICTE APPROVAL				
ENGINEERING & TECHNOLOGY INSTITUTIONS FOR THE YEAR 2009-10				
(STATUS AS ON 11.07.2009)				
REGION: SOUTHERN		State: Tamil Nadu		
24	KARAIYAL COLLEGE OF ENGINEERING & TECHNOLOGY S.P.G. CHIDAMBARAM NADUR-C. NAGAMMAL C. S.P.G.C. NAGAR, POST BOX NO. 120, VIRUDHUNAGAR - 626 001 Year of Est. : 1998 File No : 730-52-311(E)/ET/98 Univ : Anna University, Trichy Type : PVT Principal : Dr. K. Arumugam Phone No : 04545 - 276791, 171, 174 Fax No : 04562-244978 E-mail : kceet@me3.vsnl.net.in	BIO TECHNOLOGY# COMPUTER SCIENCE & ENGG.# ELECTRICAL & ELECTRONICS ENGG.# ELECTRONICS & COMM. ENGG.# ELECTRONICS & INSTRUMENTATION# INFORMATION TECHNOLOGY# MECHANICAL ENGG. POLYMER TECHNOLOGY* M.E. BIO TECHNOLOGY M.E. POLYMER TECHNOLOGY CIVIL ENGG. # Accredited w.e.f 10.02.2009 *Accredited w.e.f 19.07.2008	60 60 60 60 60 60 30 45 18 18 00 471	60 120 60 60 60 60 60 45 18 18 60 621
25	KANCHI PALLAVAN ENGINEERING COLLEGE, KOLYANKAM, TYPENAKKULAM POST, KANCHI PURAM - 631 502 Year of Est. : 2001 File No : 732-52-426(E)/ET/2001 Univ : Anna University, Chennai Type : PVT Principal : Dr. G.M. Gurusamy DOB: 15.11.1942 Qual: Ph.D Mechanical Engg. Phone No: 066 - 27242223, 27242191 Fax No: 066-27242191 E-mail: principal@kanchi-pallavan.org.in Website: www.kanchi-pallavan.org.in	COMPUTER SCIENCE & ENGG. ELECTRICAL & ELECTRONICS ENGG. ELECTRONICS & COMM. ENGG. INFORMATION TECHNOLOGY MECHANICAL ENGG. MBA	90 60 120 90 60 60 480	90 60 120 90 60 60 480
26	KARPAGA VINAYAGA COLLEGE OF ENGG. & TECH, G.S.T. ROAD, CHINNA KOLLAMBAKKAM PALAYANDUR (PO), ANDUPANTHAGAM (TK), KANCHI PURAM- 603 308 TAMIL NADU	BIO TECHNOLOGY COMPUTER SCIENCE & ENGG. ELECTRICAL & ELECTRONICS ENGG. ELECTRONICS & COMM. ENGG. INFORMATION TECHNOLOGY MBA (FT) MECHANICAL ENGG. MCA	60 90 60 90 60 60 60 60 540	60 90 60 90 60 60 60 60 540
27	KARPAGAM COLLEGE OF ENGINEERING SF NO. 758,759,760 OTTAKALMANDAPAM VILLAGE, COIMBATORE DIST - 641 032 TAMIL NADU Year of Est : 2000 File No : 730-52-363(E)/ET/2K Univ : Anna University, Coimbatore Type : PVT Principal : Dr. K.M. Mohana Sundaram Phone No: 0422 - 2655790, 2000258 Fax No: 0422-2655792 E-mail : karpagam@vsnl.net	COMPUTER SCIENCE & ENGG.* ELECTRICAL & ELECTRONICS ENGG. ELECTRONICS & COMM. ENGG.* INFORMATION TECHNOLOGY ** MECHANICAL ENGG.* ME. MECHATRONICS ENGG. CIVIL ENGG. ELECTRONICS & INSTRUMENTATION ENGG. M.TECH. VLSI DESIGN AUTOMOBILE ENGG. *Accredited w.e.f. March 16, 2007 for 3 Years	120 120 120 120 120 120 18 60 18 00 756	120 120 120 120 120 120 18 90 18 60 876
28	KARPAGAM INSTITUTE OF TECHNOLOGY, SRIPALAYAM VILLAGE, L&T, BP ROAD, COIMBATORE 641 021 Year of Est : 2007 File No : 06/06/TN/EST/2007/37 Type : PVT Principal : Dr. G Chandramohan/30-5-58/ Ph.D Mechanical Ph:0422-2611146 Fax:0422-2611043	COMPUTER SCIENCE & ENGG. ELECTRONICS & COMM. ENGG. INFORMATION TECHNOLOGY AERONAUTICAL ENGG. ELECTRICAL & ELECTRONICS ENGG. MBA MECHANICAL ENGG. MCA	60 60 60 60 60 60 60 00 00 360	60 60 60 60 60 60 60 60 60 450


1. Errors and omissions if any, may immediately be brought to the attention of Adviser E&T, Hqrs., New Delhi -
Fax:011-23724170
2. The deficiency letters in respect of the institutions applied for variation in intake / additional courses(s), but not
approved are being dispatched separately to the respective institutions.

Page 10 of 88

PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Boudipalayam Post,

PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Boudipalayam Post,

Academic Year 2008-09


अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

भारत सरकार का खासियत निकाय (A Statutory body of the Govt. of India)
 Karpagam Institute of Technology
 Lakshmanan Peta, Coimbatore - 641 021

L. No. 86/PS/IN/E&T/2007/31
 Date: 17/07/2008
[Signature]

To,
 The Principal Secretary
 (Education Department)
 Govt. of TAMIL NADU,
 Secretariat, Fort St. George,
 Chennai-600 009.

C.E.
 Principal

Sub: ARCTE Approval for extension/ increase / Variation in intake / introduction of additional courses in
 KARPAGAM INSTITUTE OF TECHNOLOGY, SRUPALAYAM VILLAGE, L&T, BP ROAD,
 COIMBATORE 641 021 for the year 2008-09.

Ref: Letter of even no Dated 2nd May 2008.

Sir,
 In continuation to Council's letter referred above, the Revised Intake* for the year 2008-09 in respect of
 KARPAGAM INSTITUTE OF TECHNOLOGY, SRUPALAYAM VILLAGE, L&T, BP ROAD,
 COIMBATORE 641 021 is as under:

Sr	Name of the Course (s)	Existing Intake 2008-09	Revised Intake* 2008-09	Period of Approval
1	COMPUTER SCIENCE & ENGINEERING	00	00	2008-10
2	IT & IT SERVICES & COMMUNICATION ENGINEERING	00	00	
3	INFORMATION TECHNOLOGY	00	00	
4	IT & IT SERVICES	00	00	
5	IT & IT SERVICES	00	00	
6	MBA	00	60	2008-10
	Total	00	60	

Note: * The appraisal for additional course (s)/ increase in intake/ variation in intake is valid for two years from the date of issue of this letter for getting affiliation with respective university and fulfilling State Government requirements of admission.

The institution is required to submit a joint FDR of Rs. 15 lakhs for the above sanctioned additional course of MBA by 31st August 2008 to the concerned Regional Office.

The additional intake is being granted based on the projection shown in the Detailed Project Report regarding additional built up space, faculty and other facilities for the proposed intake. It may be noted that all facilities including additional built up space and faculty should be made available before the commencement of the next academic session. Random surprise inspection would be carried out to verify facilities and if the institution is found deficient in fulfillment of Norms & Standards of AICTE, appropriate action would be initiated by the Council.

Please note that all other terms & conditions of the earlier letter of even no dated 02.05.2008 will remain unchanged.

Yours faithfully,
[Signature]
 (Prof. Harish C. Rao)
 Advisor- IIG/PG (E&T)

[Signature]
 PRINCIPAL 14/11/2008
KARPAGAM INSTITUTE OF TECHNOLOGY
 LAT Bypass Road, Bodipalayam-Post,
 Coimbatore-641 105.

Copy to:-
✓ KARPAGAM INSTITUTE OF TECHNOLOGY,
SRIPELAYAM VILLAGE, I & C, 80 ROAD, COIMBATORE-641 018

2. The Regional Officer,
AICTE Southern Regional Office, 26, Haddows Road,
Shawar Bhawan, Chennai - 600 086
3. Director of Technical Education,
Govt. of TAMIL NADU, Chennai-600 025.
4. The Registrar, Anna University,
Coimbatore
5. Guard File (UG/PG).

Yours faithfully,

Hee
(Prof. Harish C. Rai)
Advisor: UG/PG (E&T)

P. Jayasingh
PRINCIPAL *11/11/2024*
KARPAGAM INSTITUTE OF TECHNOLOGY
LAT Bypass Road, Bodipalayam-Poal,
Coimbatore-641 105.



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक संवैधानिक निकाय) (A STATUTORY BODY OF THE GOVT OF INDIA)

F. No : 86/85/TN/E&T/2007/37

RESTORATION OF INTAKE

Date: 19/06/2008

To,
The Secretary to Government,
Govt. of Tamil Nadu,
Higher Education Department, Secretariat,
Fort St. George, Chennai - 600 009.

Sub: Extension of Approval to Karpagam Institute of Tech, Srupalayam Village, L&T, BP Road, Coimbatore, 641 021 for the year 2009-2010—Reg.
Ref: (i) Letter of even no dated 29/5/2009

Sir,

In continuation to Council's letter referred above and in pursuance of the compliance submitted by the institution, the revised intake for the year 2009-2010 in respect of Karpagam Institute of Tech, Srupalayam Village, L&T, BP Road, Coimbatore, 641 021, is as under:-

Course(s)	Existing Approved Intake 2009-2010	Revised Approved Intake 2009-2010
COMPUTER SCIENCE & ENGG.	45	60
ELECTRONICS & COMM. ENGG.	30	60
INFORMATION TECHNOLOGY	30	60
AERONAUTICAL ENGG.	30	60
ELECTRICAL & ELECTRONICS ENGG.	45	60
MBA	60	60
Total	240	360

All other terms and conditions in the letter referred above remain unchanged

Yours faithfully,

(Signature)
(Dev Vrat Singh)
Adviser (E&T)
19-6-2008

Copy to:

1. The Regional Officer, AICTE
Southern Regional Office, 26, Haddows Road,
Shanti Bhawan, Chennai-600 006.
2. The Registrar, Anna University, Coimbatore
3. The Principal,
Karpagam Institute of Tech.,
Srupalayam Village, L&T, BP Road.,
Coimbatore, 641 021,
Fax: 0422-2611043
4. Director of Technical Education, Govt. of Tamil Nadu, Chennai-600 025.
5. Head File Section (UK/P/G)


(Signature)
PRINCIPAL 14/12/2007
KARPAGAM INSTITUTE OF TECHNOLOGY
L & T Bypass Road, Sodipalayam Post,
Coimbatore-541 105.

PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
L & T Bypass Road, Sodipalayam Post,
Coimbatore - 641 105

7वीं तल, चन्दलोक भवन, जयपथ नई दिल्ली-110001
7th Floor, Chander Lok Building, Janpath, New Delhi-110001

Academic Year 2007-08

SRO-1-1455632642



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

To,
The Principal Secretary
(Education Department)
Govt. of TAMIL NADU,
Secretariat, Fort St. George,
Chennai-600 009.

File No. 06/05/TN/EBT/2007/37
22nd October 2007

Sd/- AICTE approval to Karpagam Charitable Trust, 14A, LIC Colony, SIDCO, Coimbatore 641 021 for establishment of new Institution in Degree Engg. & Tech. in the name and style of Karpagam Institute of Technology, Srupalayam Village, L&T, BP Road, Coimbatore 641 021.

Sr/-

As per the Regulations notified by the Council vide F. No. 37-3/Legal/2004 dated 14th September 2006 and norms, standards, procedures and conditions prescribed by the Council from time to time and based on the recommendations of the Expert Committee and EC Sub Committee, I am directed to convey the approval of the Council to Karpagam Charitable Trust, 14A, LIC Colony, SIDCO, Coimbatore 641 021 for establishment of Karpagam Institute of Technology, Srupalayam Village, L&T, BP Road, Coimbatore 641 021 for conduct of the following courses and intake.

S.No.	Name of the Course	Intake
1	Computer Science & Engg.	60
2	Electronics & Communication Engg.	60
3	Information Technology	60
4	Aeronautical Engg.	60
Total		240

Note:- The approval is valid for **Two years** from the date of issue of this letter for getting affiliation with respective university and fulfilling State Govt. requirements of admission.

The Society/Trust/Institution shall obtain necessary affiliation/ permission from the concerned affiliating University, as per the prescribed schedule of the University/ Admission Authority etc. The Applicant Society/Trust/Institution shall send information about commencement of the above courses to AICTE. In case the Institution could not commence the above mentioned courses for whatsoever reasons during the two years period from the date of issue of this letter, the approval becomes invalid and the applicant society/trust shall have to make fresh application to AICTE for grant of fresh approval.

The approval is further subject to fulfillment of following conditions.

That the management shall provide adequate funds for development of land and building and for providing related infrastructure, instructional and other facilities as per Council's

PRINCIPAL

KARPAGAM INSTITUTE OF TECHNOLOGY

Indira Gandhi S.R.O. L&T Bypass Road, Budipalayam Post, Coimbatore - 641 105

दूरभाष / Phone : 23382506, 63-6 Coimbatore - 641 105, Fax : 011-23382506

वेबसाइट / Website : www.kit.edu.co


SRO-1-1455632642

Norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2. (a) That the admissions shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.
- (b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.
- (c) That the admissions to the courses shall be made only after the affiliating University /State Board has given permission to start the course.
- (d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course (s) or alter intake capacity of seats without the prior approval of the Council.
- (e) That no excess admissions shall be made by the Institution over and above the approved intake under any circumstances.
- (f) That the institutions shall not have any collaborative arrangements with any Indian and/or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE.
- (g) That the Institution shall not allow conduct of any unapproved course whether technical or non technical in the premises of AICTE approved institution/campus and /or in the name of the Institution without prior permission from AICTE.
3. That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.
4. That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed the Council from time to time. No capitation fee shall be charged from the students/guardians of students in any form.
5. That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or person authorized by it.
6. That the Director/Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are paid as per the norms prescribed by the Council for time to time.
7. (a) That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.


PRINCIPAL 14/11/2024
KARPAGAM INSTITUTE OF TECHNOLOGY PRINCIPAL
LAT Bypass Road, Bodipalayam-Post. KARPAGAM INSTITUTE OF TECHNOLOGY
Coimbatore-641 105. T & T Bypass Road, Bodipalayam Post,
Coimbatore - 641 105

- (b) That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/programmes being conducted and details of infrastructure facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be housed in the Institution Web-Site. The information shall be revised every year with updated information about all aspects of the institution.
- (c) That it shall be mandatory for the technical institution to maintain a web-site providing the prescribed information. The website information must be continuously updated as and when changes take place.
- (d) That a compliance report in the prescribed format along with mandatory disclosure on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time.
- (e) That if Technical Institution fails to disclose the information or suppress and/or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.
8. That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliating University and shall be in operational condition before making admissions.
9. That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.
10. That a computer center with adequate number of terminals, Printers, legal software etc. shall be established as per AICTE norms.
11. That a Refundable Performance Guarantee Fee (RPGF) shall be deposited with AICTE, New Delhi for an amount and period prescribed by the Council from time to time.
12. AICTE may carry out random inspections round the year any time for verifying the status of the Institutions to ensure maintenance of norms and standards.
13. That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.
14. That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.
15. That the Management shall strictly follow further conditions as may be specified by the Council from time to time.



PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
 LAT Bypass Road, Bodipalayam-Post,
 Coimbatore-641 105

PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
 LAT Bypass Road, Bodipalayam Post,

CO-1-1455632642

16. In the event of non-compliance by the Karpagam Institute of Technology, Srupalayam Village, L&T, BP Road, Coimbatore 641 021 with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of the concerned Karpagam Institute of Technology, Srupalayam Village, L&T, BP Road, Coimbatore 641 021.

Yours faithfully,


(Prof. Harish C. Rai)
Adviser UG/PG(E&T)


Copy to:

1. The Principal/ Director
Karpagam Institute of Technology,
Srupalayam Village, L&T, BP Road,
Coimbatore 641 021.

(The Institute is required to submit compliance report as per AICTE norms on or before 31st October, 2007)

2. The Regional Officer,
AICTE Southern Regional Office,
26, Madhav Road,
Shastri Nagar, Chennai - 600 006
3. Director of Technical Education,
Govt. of TAMIL NADU,
Chennai-600 026.
4. The Registrar
Anna University,
Coimbatore -641013
5. The Registrar,
Anna University,
Sardar Patel Road,
Guindy, Chennai-600 025.
6. Guard File (UG/PG).

Yours faithfully,


(Prof. Harish C. Rai)
Adviser UG/PG(E&T)


PRINCIPAL 14/10/2007
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore-641 105.

PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY

20. Best Practices Adopted

1. Industry collaborated Laboratories
2. Placement Initiatives
3. Encouragement to the students for participating in National level project contests like Smart India Hackathon, Toycathon, etc.,
4. Effective Mentor ward System
5. 15:1 Student Faculty Ratio
6. Participation in IIT spoken Tutorial by all the students
7. Participation in MOOC Courses by all the faculty members
8. Awards/Rewards for best faculty performance
9. Green Campus
10. Scholarship for meritorious students