Mandatory Disclosure

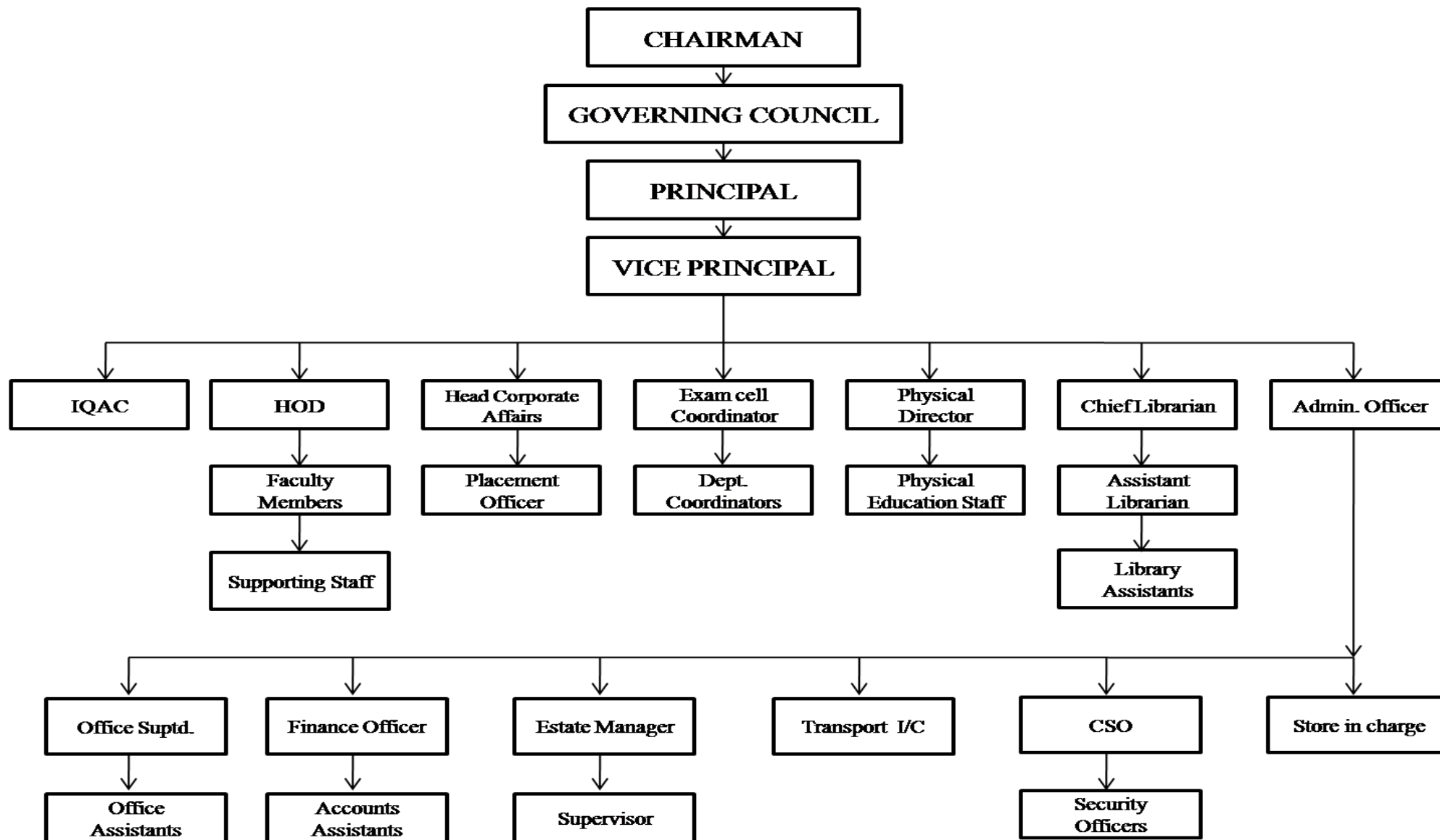| AICTE FILE No.& Approval Date		F.No. Southern/1 -1 0973996982/2022/EOA
1	**Name of the Institution**	**Karpagam Institute of Technology**
	Address of the Institution	S.F.No.247, 248, L & T Bypass Road, Seerapalayam, Bodipalayam Post, Coimbatore
	City & PIN Code	Coimbatore – 641105
	State	Tamil Nadu
	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	drpmanimaran@gmail.com
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 Industrial Estate, Coimbatore - 641021
2.	Member (Trust Nominee)	Mrs.V.Damayanthi 14A, LIC Colony. SIDCO Industrial Estate, Coimbatore - 641021
3.	Member (Trust Nominee)	Mr.V.Karthick 14A, LIC Colony. SIDCO Industrial Estate, Coimbatore - 641021
4.	Member (Trust Nominee)	Mr.K.Murugaiah New No.1056, LIC Colony, SIDCO Industrial Estate, Coimbatore - 641021
5.	Member (Trust - Nominee)	Dr.D.Bhanu No.7,Nakshatra Gardens,Vivekananda Salai Maniyakarampalayam, Coimbatore
6.	Member (Industrial Expert)	Mr.G.Subburaj 5A-1, 4th Street, Chinthamani Nagar, Saibaba Colony, K.K.Pudur, Coimbatore, Tamil Nadu – 641018
7.	Member (Anna University Nominee)	Dr.S.Usa New No.3, Old No.14, Sachidhanandha nagar II Cross Street, Seshadripuram Velachery, Chennai – 42
8.	Member (AICTE Nominee)	Southern Regional Officer AICTE – Southern Regional Office, 'Shastri Bhavan', 26, Haddows Road, Nungambakkam, Chennai – 600 006
9.	Member (DOTE Nominee)	The Director, Directorate of Technical Education, 53, Sardar Patel Road, Guindy, Chennai – 600025.
10.	Member (Faculty)	Mr.M.Murugesan, Assistant Professor/EEE Karpagam Institute of Technology
11.	Member (Faculty)	Dr.S.Padmanaban Professor/S&H Karpagam Institute of Technology
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

```
                        CHAIRMAN
                            │
                   GOVERNING COUNCIL
                            │
                        PRINCIPAL
                            │
                     VICE PRINCIPAL
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IQAC	HOD	Head Corporate Affairs	Exam cell Coordinator	Physical Director	Chief Librarian	Admin. Officer
	Faculty Members	Placement Officer	Dept. Coordinators	Physical Education Staff	Assistant Librarian	
	Supporting Staff				Library Assistants	

Office Suptd.	Finance Officer	Estate Manager	Transport I/C	CSO	Store in charge
Office Assistants	Accounts Assistants	Supervisor		Security Officers	

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

- o Academic Calendar / Academic Schedule
- o Planned Academic Process and Documentation Procedure
- o Accounts and Financial Procedure
- o Staff Attendance Biometric
- o Library Management Information System
- o Daily Attendance Report (Student)
- o Mentor – Mentee Records
- o 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	Category	Designation
1	Dr. S. Sudhakaran	Convener	Assistant Professor / Department of S & H
2	Mrs.S.Chandragandhi	Member	Assistant Professor / Department of AI & DS
3	Mrs.P.G.Banupriya	Member	Assistant Professor / Department of CSE

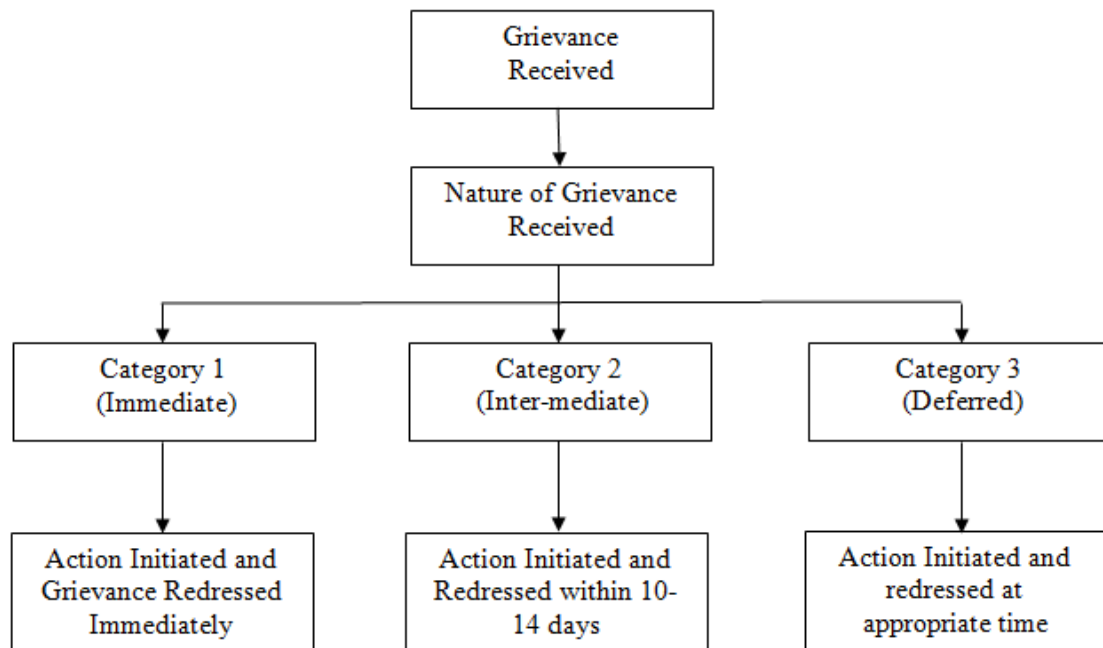| 4	Mrs.R.Kiruthikaa	Member	Associate Professor / Department of ECE
5	Mrs.K.Kiruba	Member	Assistant Professor / Department of EEE
6	Mr.K.Premnath	Member	Assistant Professor / Department of Mech
7	Ms.S.Gokila	Member	Assistant Professor / Department of IT
8	Dr.N.Kasthuri	Member	Assistant Professor / Department of S & H
9	Mr.M.Praveen Flex	Member	Exam Cell
10	Ms.S.Srirajeswari	Member	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	Head / Department of Mech
3	Dr.S. Sudhakaran	Assistant Professor / Department of S & H
Faculty Members		
4	Mrs.S.Chandragandhi	Assistant Professor / Department of AI & DS
5	Mrs.P.G.Banupriya	Assistant Professor / Department of CSE
6	Mr.B.Manojkumar	Assistant Professor / Department of ECE
7	Mr.K.P.Priyanka	Assistant Professor / Department of EEE
8	Mrs.M.Sudha	Assistant Professor / Department of IT
9	Mr.M.Pradeep	Assistant Professor / Department of Mech
10	Ms.Sweatha .A.R	Assistant Professor / Department of S & H
Student Members		

S.No	Name	
10	Mr.Guru Sharan R K	IV Year CSE
11	Mr.Suriyamoorthi K	III Year ECE
12	Mr.Boobalan M	IV Year EEE
13	Ms.Dharshini S	III Year AI & DS
14	Mr.Karan A	III Year Mech
15	Mr.Manimithran K.R.	III Year IT

5.8 Establishment of Anti Ragging Committee

S.No	Name	Designation	Position	Contact Number
1.	Dr.P.Manimaran	Principal	Chairman	7397013331
2.	Dr.S.Padmanaban	HoD / S & H	Member	8428211211
3.	Dr.R.Nallakumar	HoD / AI & DS	Member	9944214858
4.	Dr.K.Karunambiga	HoD / CSE	Member	9384158988
5.	Dr.S.Gopinath	HoD / ECE	Member	9566994805
6.	Dr.A.Saiyathibrahim	HoD / MECH	Member	7538833202
7.	Mr.V.Dineshbabu	HoD$_{(i/c)}$/ IT	Member	9894136128
8.	Dr.R.Ravikumar	HoD/ EEE	Member	9894213952
9.	Dr.M.Selvapandian	Physical Director	Member	9600088210
10.	Mr.S.Pragadeswaran	Deputy Warden	Member	9384794360
11.	Mr.T.Manikandan	Care Taker	Member	9786442084
12.	Mrs.V.Eshwari	Parent	Member	8526517557
13.	Mr. Lakshminarasimman.V	IV Year Mech	Member	9791930030
14.	Ms.R.Priyadharshini	IV Year EEE	Member	8489663111

5.9 Establishment of Online Grievance Redressal Mechanism

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                    ┌─────────────────┐
                    │   Grievance     │
                    │   Received      │
                    └────────┬────────┘
                             │
                             ▼
                    ┌─────────────────┐
                    │ Nature of Grievance │
                    │   Received      │
                    └────────┬────────┘
         ┌───────────────────┼───────────────────┐
         ▼                   ▼                   ▼
  ┌─────────────┐    ┌─────────────┐    ┌─────────────┐
  │ Category 1  │    │ Category 2  │    │ Category 3  │
  │ (Immediate) │    │(Inter-mediate)│   │ (Deferred)  │
  └──────┬──────┘    └──────┬──────┘    └──────┬──────┘
         ▼                  ▼                  ▼
  ┌─────────────┐    ┌─────────────┐    ┌─────────────┐
  │Action Initiated│  │Action Initiated│  │Action Initiated│
  │and Grievance │   │and Redressed │   │and redressed at│
  │Redressed     │   │within 10-    │   │appropriate time│
  │Immediately   │   │14 days       │   │              │
  └─────────────┘    └─────────────┘    └─────────────┘
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5.10 Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

S. No.	Name of the member	Designation
1	Dr.P.Manimaran	Principal
2	Dr.A.Saiyathibrahim	Head / Department of Mech
3	Dr.S. Sudhakaran	Assistant Professor / Department of S & H
4	Mrs.S.Chandragandhi	Assistant Professor / Department of AI & DS
5	Mrs.P.G.Banupriya	Assistant Professor / Department of CSE
6	Mr.B.Manojkumar	Assistant Professor / Department of ECE
7	Mr.K.Kiruba	Assistant Professor / Department of EEE
8	Mrs.M.Sudha	Assistant Professor / Department of IT
9	Mr.M.Pradeep	Assistant Professor / Department of Mech
10	Ms.Sweatha .A.R	Assistant Professor / Department of S & H

5.11 Establishment of Internal Complaint Committee (ICC)

S. No.	Name	Position	Category	Mobile Number	E-Mail D
1	Dr.C.Vimalarani	Professor / IT	Member	9600972490	vimalarani.it@karpagamtech.ac.in
3	Ms.N.Saranya	Assistant Professor / English	Member	8122367645	saranya.ea@karpagamtech.ac.in
4	Mrs.M.Sudha	Assistant Professor / IT	Member	6374643989	sudha.it@karpagamtech.ac.in
5	Dr.S. Godhanavalli	Psychologist	Member	9952255533	godhanavalli@ karpagamtech.ac.in
6	Mrs.D.Anitha	Assistant Professor / Chemistry	Representative	9976069610	anitha.che@ karpagamtech.ac.in
7	Mrs.C.Dhanalakshmi	Non-Teaching	Representative	9159521748	dhanalakshmi@karpagamtech.ac.in
8	Mr.P.Sreenivasan	Parent	Representative	9942512244	pradeepasri2000@gmail.com
9	Ms.V.Kavearhasi	Student	Representative	6369413778	20ita24@ karpagamtech.ac.in
10	Ms.J.Kaviya	Student	Representative	9003359835	21ecea44@ 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
1	Mr.S.N.Vijayan	Assistant Professor / Department of Mech
2	Mr.M.Vignesh	Assistant Professor / Department of AI & DS
3	Mr.N.Senthilprabhu	Assistant Professor / Department of CSE
4	Mr.N.Ragupathi	Assistant Professor / Department of ECE
5	Mr.K.Kiruba	Assistant Professor / Department of EEE
6	Mr.M.Sudha	Assistant Professor / Department of IT

7	Mr.Vyshnavi.B	Student Member
8	Mr.A.Banuprakash	Student Member
9	Mr.A.Chandrapandian	Student Member
10	Ms.S.Haritha	Student Member
11	Ms.S.Sowmiya	Student Member
12	Mr.V.Vishwa Pradeep	Student Member

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.

S.No.	Name	Designation
1	Chairperson	Dr.P.Manimaran, Principal
2	One member from the Management	Shri.K.Karthick, Trustee, Karpagam Group of Institutions.
		Shri.K.Murugaiah, Chief Executive Officer, Karpagam Educational Institutions.
3		Dr.D.Bhanu, Vice Principal.
3	The senior administrative officer (Office Superintendent/Manager)	Mr.S.K.Mohan, Office Manager.
4	One nominee each from the Local Society/Trust	Dr.M.Viswanathan, M.B.B.S. M.D.,
5	One nominee from the Students	Ms.S Karthikeyani, IV Year B.Tech-IT. Mr.R.Naveen, III Year ECE.
6	One nominee from the Alumni	Mr.S.R.Nandhakrishna, Associate Technical Consultant, Perficient Technologies, Bengaluru.

7	One nominee from the Employer	Mr. Gururaj Bhat, Vice President, Consumer Technology, Wells Fargo India Solutions Pvt. Ltd.
8	One nominee from the Industrialists	Mr.Sivakumar Shanmugasundaram Head - Systems Improvement and Integration at Aqua Group of Companies.
9	One nominee from the Parent	Mr.Selvakumar S, Service Manager, Pricol, Coimbatore.
10	Teachers to represent all levels	Dr.S.Padmanaban, Head, Dept. of S & H
11		Dr.S.Gopinath, Head, Dept. of ECE.
12		Dr.K.Karunambiga, Head, Dept. of CSE.
13		Dr.A.Saiyathibrahim, Head, Dept. of Mech.
14		Dr.R.Nallakumar, Head, Dept. of AI & DS.
15		Mr.V.Dineshbabu, AP, Dept. of IT.
16		Dr.R.Ravikumar, Head, Dept. of EEE.
17	One of the senior teachers as the Coordinator of the IQAC	Mr.M.Murugesan, 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- 03 Courses

6.3.3 Status of Accreditation – Applied -01 (Mechanical Engineering)

Sl. No	Name of the Course	Accreditation Status	Duration
UG Courses			
1	B.E. Computer Science and Engineering	Accredited by NBA	3 Years (14.12.2022 to 30.06.2025)
2	B.E. Electronics & Communication Engineering	Accredited by NBA	3 Years (14.12.2022 to 30.06.2025)
3	B.Tech. Information Technology	Accredited by NBA	3 Years (14.12.2022 to 30.06.2025)

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	126	4 Years	2023-24	Max	185.5	172.0	169.5	154.0	55000	95000
				Min	172.0	166.0	157.0	130.0		
B.E.ECE	189	4 Years	2023-24	Max	184.0	168.0	166.0	153.0	55000	95000
				Min	168.0	159.0	149.5	109.0		
B.E.EEE	63	4 Years	2023-24	Max	165.5	159.0	153.5	120.0	50000	90000
				Min	159.0	154.5	146.5	117.0		
B.E. MECH	59	4 Years	2023-24	Max	151.5	139.0	135.0	115.5	50000	90000
				Min	139.0	121.5	128.0	100.0		
B.Tech.IT	63	4 Years	2023-24	Max	182.5	170.5	171.5	157.0	55000	95000
				Min	172.0	166.5	166.5	138.5		
B.Tech. AI&DS	63	4 Years	2023-24	Max	186.5	175.5	175.5	155.0	50000	90000
				Min	176.0	169.5	172.5	145.0		

6.5 Campus Placement in Last Two 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					
		2022 – 2023			2021 – 2022		
		Max	Min	Avg	Max	Min	Avg
CSE	85	6	2	3.81	9.5	2.5	3.41
IT	85	6	2	3.5	5.1	2	3.06
ECE	71	8	1.8	3.30	5.5	2	3.08
EEE	36	4	1.8	2.3	NA	NA	NA
MECH	44	2.6	1.5	1.75	2.5	2	2.02

7. Faculty

7.1 & 7.2 Branch wise list Faculty members

Sl. No	Name of the Faculty	Designation	Qualification
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE			
1	Dr.P. MAYIL VEL KUMAR	Professor	Ph.D.
2	Dr. R.NALLAKUMAR	Associate Professor	Ph.D.
3	Dr. M. SATHIYA	Associate Professor	Ph.D.
4	Dr. M.BABU	Associate Professor	Ph.D.
5	Mr. M.VIGNESH	Assistant Professor	M.E.
6	Mr.K.SUNDARESAN	Assistant Professor	M.E.
7	Ms. G.GOWRI	Assistant Professor	M.E.
8	Ms.S.CHANDRAGANDHI	Assistant Professor	M.E.
9	Mr. S.BOOPATHI	Assistant Professor	M.E.
10	Ms.N.GOMATHI	Assistant Professor	M.E.

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.K.KARUNAMBIGA	Professor	Ph.D.
5	Dr.D.JEBAKUMAR IMMANUEL	Associate Professor	Ph.D.
6	Mrs.K.KALAISELVI	Assistant Professor	M.E.
7	Mr.P.N.RAMESH	Assistant Professor	M.E.
8	Mrs C. KALPANA	Assistant Professor	M.E.
9	Mr C. KARTHIKEYAN	Assistant Professor	M.E.
10	Mrs.N.SUGANYA	Assistant Professor	M.E.
11	Mr.P.VIGNESH KUMAR	Assistant Professor	M.E.
12	Mrs.P.G.BANUPRIYA	Assistant Professor	M.E.
13	Mrs.R.SUBBULAKSHMI	Assistant Professor	M.E.
14	Mr.N.SENTHIL PRABHU	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
ELECTRONICS AND COMMUNICATION ENGINEERING			
1	Dr.S.GOPINATH	Professor	Ph.D.
2	Dr.N.SUMA	Professor	Ph.D.
3	Dr.L.JUBAIR AHMED	Professor	Ph.D.
4	Dr.S.SYED JAMAESHA	Associate Professor	Ph.D.
5	Dr.M.S.GOWTHAM	Associate Professor	Ph.D.
6	Dr.T.MANOJ KUMAR	Associate Professor	Ph.D.
7	Mrs.H.INDRAPRIYADARSINI	Assistant Professor	M.E.
8	Mr.A.MANIKANDAN	Assistant Professor	M.E.
9	Mrs.C.NIVEDITYAA	Assistant Professor	M.E.
10	Mr.K.ASHOK KUMAR	Assistant Professor	M.E.

11	Ms.S.MADHUMITHA	Assistant Professor	M.E.
12	Mr.E.VEERA BOOPATHY	Assistant Professor	M.E.
13	Mr.S.PRAGADESWARAN	Assistant Professor	M.E.
14	Mrs.B.DIVYA PREETHI	Assistant Professor	M.E.
15	Mr.S.JENITON	Assistant Professor	M.E.
16	Mrs.M.AISWARYA	Assistant Professor	M.E.
17	Mr.N.RAGUPATHI	Assistant Professor	M.E.
18	Mrs.R.KIRUTHIKAA	Assistant Professor	M.E.
19	Ms.N.SATHYAPRIYA	Assistant Professor	M.E.
20	Ms.M.SATHIA PRIYA	Assistant Professor	M.E.
21	Ms.G.P.EVANGEKINE PERSIS	Assistant Professor	M.E.
22	Mrs.N.RUMANA	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
ELECTRICAL AND ELECTRONICS ENGINEERING			
1	Dr.R.RAVIKUMAR	Professor	Ph.D.
2	Dr. A. RAJENDRAN	Professor	Ph.D.
3	Dr.T.MANOKARAN	Associate Professor	Ph.D.
4	Dr.C.GNANAVEL	Associate Professor	Ph.D.
5	Mr.M. MURUGESAN	Assistant Professor	M.E.
6	Ms.R. FELSHIYA RAJAKUMARI	Assistant Professor	M.E.
7	Mr.K. SABAREESWARAN	Assistant Professor	M.E.
8	Mr.S. MANIKANDAN	Assistant Professor	M.E.
9	Mr.M.GOWTHAM	Assistant Professor	M.E.
10	Ms.K.DIVYA	Assistant Professor	M.E.
11	Ms.T.SANTHIYA	Assistant Professor	M.E.
12	Mr.C.VISHNU THILACK	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
INFORMATION TECHNOLOGY			
1	Dr.D.BHANU	Professor	Ph.D.
2	Dr.C.VIMALARANI	Professor	Ph.D.
3	Dr.B CHELLAPRABHA	Professor	Ph.D.
4	Dr.A.CHRISTOPHER PAUL	Associate Professor	Ph.D.
5	Mr.V.DINESH BABU	Assistant Professor	M.E.
6	Ms.T.YAWANIKHA	Assistant Professor	M.E.
7	Mr.V.P.ARUL KUMAR	Assistant Professor	M.E.
8	Mrs.M.SUDHA	Assistant Professor	M.E.
9	Mr. K. SRIRAM KUMAR	Assistant Professor	M.E.
10	Mr.M.NAGASURESH	Assistant Professor	M.E.
11	Mr.J.SANTHOSH	Assistant Professor	M.E.
12	Mrs.S.GOKILA	Assistant Professor	M.E.
13	Mrs.S.GANAPATHI AMMAL	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
MECHANICAL ENGINEERING			
1	Dr.P.MANIMARAN	Professor	Ph.D.
2	Dr.S.GOSHTEESWARAN	Professor	Ph.D.
3	Dr.A.SAIYATHIBRAHIM	Associate Professor	Ph.D.
4	Mr.S.N.VIJAYAN	Assistant Professor	M.E.
5	Mr.K.P.HARSHAVARDHAN	Assistant Professor	M.E.
6	Mr.P.PRAKASH	Assistant Professor	M.E.

7	Mr.R.RAMESH BABU	Assistant Professor	M.E.
8	Mr.A.J.INFANT JEGAN RAKESH	Assistant Professor	M.E.
9	Mr.M.PRADEEP	Assistant Professor	M.E.
10	Mr.R.MURALI KRISHNAN	Assistant Professor	M.E.
11	Mrs.K.THRIVENI	Assistant Professor	M.E.
12	Mr.K.KAVIYARASAN	Assistant Professor	M.E.

Sl. No	Name of the Faculty	Designation	Qualification
SCIENCE AND HUMANITIES			
1	Dr.S.PADMANABAN	Professor	Ph.D.
2	Dr. T.NANDHINI	Associate Professor	Ph.D.
3	Dr.S.SUGANYA	Assistant Professor	Ph.D.
4	Dr.P.K.DHANASEKAR	Assistant Professor	Ph.D.
5	Dr.R.RAGUL	Assistant Professor	M.Phil.
6	Ms.S.SHARMILABANU	Assistant Professor	M.Phil.
7	Ms S.KOKILA	Assistant Professor	M.Phil.
8	Ms N.KASTHURI	Assistant Professor	M.Phil.
9	Ms A.R.SWEATHA	Assistant Professor	M.Phil.
10	Ms.V.KARPAGAMANI	Assistant Professor	M.Phil.
11	Dr.A.MYTHILI	Assistant Professor	Ph.D
12	Dr.S.SUTHAKARAN	Assistant Professor	Ph.D.
13	Mrs.A.LATHAMARAGATHAM	Assistant Professor	M.Phil.
14	Mr.K.INBARAJAN	Assistant Professor	M.Phil.
15	Mrs.J.JAYA	Assistant Professor	M.Phil.
16	Dr.N.KASTHURI	Associate Professor	Ph.D.
17	Dr.S.SARITHAMOL	Assistant Professor	Ph.D.
18	Ms. D.ANITHA	Assistant Professor	M.Phil.
19	Mrs. O.A.SRIDEVI	Assistant Professor	M.Phil.
20	Ms.R.JAYANTHI	Assistant Professor	M.Phil.

21	Dr.SANTHIYA JENIFER	S&H-English	Ph.D.
22	Dr.D.ABINAYA	S&H-English	Ph.D.
23	Ms.A.P.APARNA	Assistant Professor	M.Phil.
24	Mr.R.NARESHKUMAR	Assistant Professor	M.Phil.
25	Ms.N.SARANYA	Assistant Professor	M.Phil.
26	Mr.C.CHELLAPANDI	Assistant Professor	M.Phil.
27	Mrs.L.NITHYA	Assistant Professor	M.E.
28	Mrs. S. YAMINI	Assistant Professor	M.E.
29	Mr.N.VIMAL RAJ	Assistant Professor	M.E.
30	Mr.B.MANOJ KUMAR	Assistant Professor	M.E.
31	Ms.G.PREETHI	Assistant Professor	M.E.
32	Mr.K.PREMNATH	Assistant Professor	M.E.
33	Mr.R.VENKATESH	Assistant Professor	M.E.
34	Mr.G.MANISANKAR	Assistant Professor	M.E.
35	Mrs.R.INDUMATHI	Assistant Professor	M.E.
36	Mrs.K.P.PRIYANKA	Assistant Professor	M.E.
37	Mr.P.THAMARAI KANNAN	Assistant Professor	M.E.
38	Mrs.K.KIRUBHA	Assistant Professor	M.E.

7.3 Permanent Faculty: Student Ratio- 1:14.7

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	:	36
	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 National/Inter National Journals/Conferences	:	62
9.	Project carried out	:	Nil
10.	Patents	:	Nil
11.	Technology Transfer	:	Nil
12.	Research publications	:	62
13.	No. of books published with details	:	Nil

9. Fee

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

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/-
3	B.E. / B.Tech. – Govt. Quota	Accredited	Rs.55000/-
4	B.E. / B.Tech. – Management Quota	Accredited	Rs.95000/-

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	2021-22	7485500	177
2	2022-23	7974648	179

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	
		2022-2023	**2023-2024**
1	B.E. Computer Science and Engineering	60	120
2	B.E. Electronics and Communication Engineering	120	180
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 two years

Name of the Dept.	2022-2023			2023-2024		
	GQ	**MQ**	**Total**	**GQ**	**MQ**	**Total**
CSE	54	72	126	27	36	63
ECE	82	107	189	52	73	125
EEE	18	45	63	26	37	63
MECH	25	32	57	20	31	51
IT	28	35	63	27	36	63
AI & DS	26	37	63	24	39	63

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

Name of the Dept.	2022-2023		2023-2024	
	MQ Application Received	MQ Students Admitted	MQ Application Received	MQ Students Admitted
CSE	81	72	43	36
ECE	122	107	82	73
EEE	58	45	44	37
MECH	41	32	39	31
IT	43	35	42	36
AI & DS	45	37	47	39

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.

The Government of Tamil Nadu bears full tuition and hostel fees for students who studied in government schools under the 7.5% reservation category.

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	49	3392.73	79.2
2	Number of Tutorial Rooms	8	866	123
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	112 rooms to accommodate 448 students
2	Ladies Hostel	87 rooms to accommodate 348 students
3	Hostel Mess	2
4	Hostel Office	2
5	Warden Room	2
6	Staff Hostel	6
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	2030	0.00
No. of Volumes added for the year 2021-2022 (M3)	120	250	0.00
Total No. of Volumes (M1+M2+M3)	8800	22720	0.00
Overall Deficiency			0.00
Engineering			
No. of Titles(T)	1200	4875	0.00
No. of Volumes(M2)	7920	20440	0.00

15.3 List of Major Equipments

Sl. No	Name of the Laboratory	Major Equipments
Department of Artificial Intelligence and Data Science		
1	C.V Raman & Srinivasa Ramanujan Laboratory	Computers:70, Printers:3, Printer with Scanner -1, Switches and Network Rack, LCD, 40 kVA UPS (Shared).

Sl. No	Name of the Laboratory	Major Equipments
Department of Computer Science and Engineering		
1	Aryabhata &Vishwakarma Laboratory	Computers:70, Printers:3, Printer with Scanner -1, Switches and Network Rack, LCD, 40 kVA UPS (Shared).
2	Brahmagupta & Vikram Sarabhai Laboratory	Computers:70, Printers:1, Switches, LCD with Screen, 40 kVA UPS (Shared).
3	CSE Research & Project Laboratory	Computers:40, Printers:1, Switches, LCD, 20 kVA UPS (Shared).
4	Repute Powered Laboratory	Computers:20, Printers:1, Switches, LCD, 20 kVA UPS (Shared).

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
7	VLSI Laboratory	Computers: 60, Printers:1, Printer with Scanner -1, Switches and Network Rack, LCD, 20 kVA UPS (Shared).
8	Innovation Laboratory	Computers:5, Printers:1, Switches, LCD, 20 kVA UPS (Shared).
9	System Design Laboratory	Computers:5, Printers:1, Switches, LCD, 20 kVA UPS (Shared).
10	ECE Project Laboratory	Computers:10, Printers:1, Switches, LCD, 20 kVA UPS (Shared).
11	Robotics Laboratory	Computers:10, Printers:1, Switches, LCD, 20 kVA UPS (Shared).

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
6	Computing Laboratory	Computers: 30, Printers: 1, Printer with Scanner -1, Switches and Network Rack, LCD, 20 kVA UPS (Shared).

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- EDGECAM 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, Stefen-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 Standerd 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 torsinal 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.	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.
10.	Computing Laboratory	Computers: 30, Printers:1, Switches and Network Rack, LCD, 20 kVA UPS (Shared).
11.	Mechatronics Lab	Computers:5, Printers:1, Switches, LCD, 20 kVA UPS (Shared).

Sl. No	Name of the Laboratory	Major Equipments
Department of Information Technology		
1	Bhaskaracharya & Subrahmanyan Chandrasekhar Laboratory	Computers:70, Printers:3, Printer with Scanner -1, Switches and Network Rack, LCD, 40 kVA UPS (Shared).
2	IT Research & Project Laboratory	Computers:40, Printers:1, Switches, LCD, 20 kVA UPS (Shared).

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 :30, Printer -1, Software, Video camera -1, Headphone with Mic – 30, Amplifier -1, Speakers-2, LCD, 20 kVA UPS (Shared).
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
4	Computer Laboratory	Computers: 70, Printers:1, Switches and Network Rack, LCD, 20 kVA UPS (Shared).

15.4 Computing Facilities

Sl. No	Particulars	Available No's
1	Internet Bandwidth	512 Mbps
2	Number and Configuration of System	745
3	Total number of system Connected by LAN	745
4	Total number of system connected by WAN	-
5	Major Software Packages Available	Yes
6	Printer Facilities available	44
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
2022-2023					
1.	BHARATHISWARAN.R	Sports	Individual	State Level	BOXING –Gold Medal
2.	KARTHICK KUMAR.S	Sports	Individual	State Level	BOXING-Silver Medal
3.	SANJAY.S	Sports	Individual	Intercollegiate	MARATHON-Gold Medal
4.	SANJAY.S	Sports	Individual	Intercollegiate	MARATHON-Gold Medal
5.	M.P.MANO BHARATH	Sports	Individual	State Level	KUMARI MINNAL SILAMBALAYAM
6.	NITHIN VINESH I M	sports	Individual	University Level	Cycling-Gold Medal
7.	NITHIN VINESH I M	sports	Individual	All India Level	Cycling-Participation
8.	MOHANA ROSHINI DEVI RACHIKA	Sports	Team	University Level	Table Tennis-Runner
9.	PAVITHRA BHARTHI.M	Sports	Individual	University Level	Badminton-Runner
10.	SOWMIYA.D	Sports	Individual	University Level	Badminton-Runner
11.	DHARSHINI.S	Sports	Individual	University Level	Badminton-Runner
12.	JANISHA.M	Sports	Individual	University Level	Badminton-Runner
13.	PAVITHRA BHARTHI.M	Sports	Individual	Intercollegiate-Kongu Trophy	Badminton-WInner
14.	KEERTHANA.G	Sports	Individual	Intercollegiate-Kongu Trophy	Badminton- WInner
15.	RACHIKA.P	Sports	Individual	Intercollegiate-Kongu Trophy	Badminton- WInner
16.	SUBHASHRI.R	Sports(Athletics)	Individual	Intercollegiate	5KM Walk -Gold Medal

17.	BHARATHISWARAN.R	Sports	Individual	State Level	BOXING –Gold Medal
18.	VISHNUPRIYA	Sports	Individual	Intercollegiate	CHESS-RUNNER
19.	ELAKKIYA	Sports	Individual	Intercollegiate	CHESS-RUNNER
20.	DHARANI	Sports	Individual	Intercollegiate	CHESS-RUNNER
21.	THIRUNAVUKKARASU PRASITH DHANUSH PRAGADHEESWARAN SANTHOSH RAGUL GOPALAKRISHNAN NISHANTH KAMALESHWARAN CHANDRU DEVI PRASANTH KUMARAN KAMALAKANNAN SENTHIL	Sports	Team	Intercollegiate	Volley Ball-Runner
2021-2022					
1.	SANJAY.S	SPORTS	INDIVIDUAL	INTERCOLLEGIATE	MARATHON III PLACE
2.	MANOJ.K	SPORTS	INDIVIDUAL	INTERCOLLEGIATE	BOXING III PLACE
3.	MOHAMMED SAFHAR.A	SPORTS	INDIVIDUAL	INTERCOLLEGIATE	BOXING I PLACE
4.	KARTHICK KUMAR.S	SPORTS	INDIVIDUAL	INTERCOLLEGIATE	BOXING II PLACE
5.	SANJAY.S	SPORTS	INDIVIDUAL	INTERCOLLEGIATE	MARATHON III PLACE
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

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

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CHOICE BASED CREDIT SYSTEM

B.TECH. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates can

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.

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.

Think logically, pursue lifelong learning and collaborate with an ethical attitude in a multidisciplinary team.

Design and model AI based solutions to critical problem domains in the real world.

Exhibit innovative thoughts and creative ideas for effective contribution towards economy building.

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.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Graduates should be able to:

evolve AI based efficient domain specific processes for effective decision making in several domains such as business and governance domains.

arrive at actionable Foresight, Insight, hindsight from data for solving business and engineering problems

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

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.

able to carry out fundamental research to cater the critical needs of the society through cutting edge technologies of AI.

Year	Sem	Course name	PO												PSO		
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
I	**I**	Induction Programme															
		Professional English - I	1.6	2.2	1.8	2.2	1.5	3	3	3	1.6	3	3	3	-	-	-
		Matrices and Calculus	3	3	1	1	0	0	0	0	2	0	2	3	-	-	-
		Engineering Physics	3	3	1.6	1.2	1.8	1	-	-	-	-	-	1	-	-	-
		Engineering Chemistry	2.8	1.3	1.6	1	-	1.5	1.8	-		-	-	1.5	-	-	-
		Problem Solving and Python Programming	2	3	3	3	2	-	-	-	-	-	2	2	3	3	
		தமிழர் மரபு /Heritage of Tamils															
		Problem Solving and Python Programming Laboratory	2	3	3	3	2	-	-	-	-	-	2	2	3	3	-
		Physics and Chemistry Laboratory	3	2.4	2.6	1	1										
			2.6	1.3	1.6	1	1	1.4	1.8	-	-	-	-	1.3	-	-	-
		English Laboratory $^{\$}$	3	3	3	3	1	3	3	3	3	3	3	3	-	-	-
	II	Professional English - II	3	3	3	3	2.75	3	3	3	2.2	3	3	3	-	-	-
		Statistics and Numerical Methods	3	3	1	1	1	0	0	0	2	0	2	3	-	-	-
		Physics for Information Science	3	1.3	2	1.3	2.3	1	1.3	-	-	-	-	2	-	-	-
		Basic Electrical and Electronics Engineering	2	1.8	1	-	-	-	-	1	-	-	-	2	-	-	1
		Engineering Graphics	3	1	2	-	2	-	-	-	-	3	-	2	2	2	-
		Data Structures Design															
		தமிழரும் தததொழில் நுட்பமும் /Tamils and Technology															
		Engineering Practices Laboratory	3	2	-	-	1	1	1	-	-	-	-	2	2	1	1
		Data Structures Design Laboratory															
		Communication Laboratory / Foreign Language $^{\$}$	2.4	2.8	3	3	1.8	3	3	3	3	3	3	3	-	-	-
II	**Iii**	Discrete Mathematics	1	3	2	1	-	-	-	-	-	1	-	-	-	-	-
		Digital Principles and Computer Organization	3	3	3	3	1.8	1.6	1	1	1	1	1.6	2.6	1.4	2.6	1.6
		Database Design and Management	2	2	2	2	1	-	-	-	2	2	1	1	2	2	2
		Design and Analysis of Algorithms	3	2	2	2	2	-	-	-	2	2	2	2	2	2	2

Mapping of Course Outcome and Programme Outcome

Year	Sem	Course															
		Data Exploration and Visualization	2	1	2	2	1	-	-	-	2	2	2	2	2	2	2
		Artificial Intelligence	2	1	2	2	1	-	-	-	2	2	2	2	2	2	2
		Database Design and Management Laboratory	2	2	2	2	1	-	-	-	2	2	2	2	2	2	2
		Artificial Intelligence Laboratory	2	1	2	2	1	-	-	-	2	2	2	2	2	2	2
		Professional Development$															
	IV	Probability and Statistics	3	3	1	1	0	0	0	0	2	0	0	2			
		Operating Systems	2	2	2	2	1	-	-	-	2	2	2	2	2	1	2
		Machine Learning	2	2	3	2	2	-	-	-	2	2	2	2	2	2	1
		Fundamentals of Data Science and Analytics	1	1	2	2	2	-	-	-	3	2	2	2	3	2	1
		Computer Networks	2	2	2	2	2	-	-	-	2	2	2	1	2	2	2
		Environmental Sciences and Sustainability	2.8	1.8	1	1	-	2.2	2.4	-	-	-	-	1.8	-	-	-
		Data Science and Analytics Laboratory	2	2	1	2	2	-	-	-	2	2	2	2	2	2	1
		Machine Learning Laboratory	2	2	2	2	2	-	-	-	2	2	2	2	2	2	2
III	V	Deep Learning	2.8	2.4	2	2.4	2.2	-	-	-	1.6	2.4	1.4	2.4	2	1.8	2.6
		Data and Information Security	2.4	2.6	2.4	2.2	1.5	-	-	-	1.4	2.2	1.2	2.2	1.8	2	1.6
		Distributed Computing	1.8	2.4	1.8	2.4	2	-	-	-	2.6	2.2	2.2	1.6	2	1.8	1.6
		Big Data Analytics	2.8	3	2.8	2.8	2.8	-	-	-	2.2	1.8	2.6	2	2.2	2.8	2.6
		Deep Learning Laboratory	2.6	2.6	1.6	2	1.4	-	-	-	2	2.4	2.2	1.6	2.4	2.8	2
		Summer internship															
	VI	Embedded Systems and IoT	2.6	2	3	2.4	1.5	-	-	-	1	2.2	2.2	2.4	2.2	1.6	2.6
IV	VII	Human Values and Ethics															
		Summer internship															
	VIII	Project Work / Internship															

1 - low, 2 - medium, 3 - high, '-' - no correlation

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CHOICE BASED CREDIT SYSTEM

B.TECH. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
CURRICULUM AND SYLLABI FOR SEMESTERS I TO VIII
SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK L	T	P	TOTAL CONTACT PERIODS	CREDITS
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	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 L	T	P	TOTAL CONTACT PERIODS	CREDITS
THEORY								
1.	HS3252	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 தொழில் நுட்பமும் /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

$^{\$}$ **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	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

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.	AD3461	Machine Learning Laboratory	PCC	0	0	4	4	2
TOTAL				17	1	12	30	24

SEMESTER V

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	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	Non-credit course
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

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	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	Non-credit course
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**

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	CATE GORY	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	CATE GORY	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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAC T 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 Risk Reduction and Management	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses

MANDATORY COURSES II[*]

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAC T 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

*Mandatory Courses are offered as Non-Credit Courses

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
	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:

Refer to the Regulations 2021, Clause 6.3. (Amended on 27.07.2023)

PROFESSIONAL ELECTIVE COURSES: VERTICALS

VERTICAL 1: VERTICALS FOR AIDS I

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	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

VERTICAL 2: FULL STACK DEVELOPMENT FOR IT

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	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	3	0	0	3	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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAC T 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAC T 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	AD3001	Bio-Inspired Optimization Techniques	PEC	3	0	0	3	3
2.	CCS332	App Development	PEC	2	0	2	4	3
3.	AD3002	Health Care Analytics	PEC	3	0	0	3	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	CATE GORY	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	Food, Nutrition and Health	OEC	3	0	0	3	3
4.	OCE351	Environmental 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OIE352	Resource Management Techniques	OEC	3	0	0	3	3
2.	OMG351	Fintech Regulation	OEC	3	0	0	3	3
3.	OFD351	Holistic Nutrition	OEC	3	0	0	3	3
4.	AI3021	IT in Agricultural System	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	CATE GORY	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.	CME365	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	3	0	0	3	3
6.	MF3003	Reverse Engineering	OEC	3	0	0	3	3
7.	OPR351	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	AU3791	Electric and Hybrid Vehicles	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.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
25.	OFD353	Introduction to food processing	OEC	3	0	0	3	3
26.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
27.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
28.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
29.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
30.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
31.	CPE334	Energy Conservation and Management	OEC	3	0	0	3	3
32.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
33.	OEC351	Signals and Systems	OEC	3	0	0	3	3
34.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
35.	CBM348	Foundation Skills in Integrated Product Development	OEC	3	0	0	3	3
36.	CBM333	Assistive Technology	OEC	3	0	0	3	3
37.	OMA352	Operations Research	OEC	3	0	0	3	3
38.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
39.	OMA354	Linear Algebra	OEC	3	0	0	3	3
40.	OCE353	Lean Concepts, Tools and Practices	OEC	3	0	0	3	3
41.	OBT352	Basics of Microbial Technology	OEC	3	0	0	3	3
42.	OBT353	Basics of Biomolecules	OEC	3	0	0	3	3
43.	OBT354	Fundamentals of Cell and Molecular Biology	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

SL. 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
7.	OME352	Additive Manufacturing	OEC	3	0	0	3	3
8.	CME343	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	3	0	0	3	3
10.	MF3010	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
12.	AU3002	Batteries and Management system	OEC	3	0	0	3	3
13.	AU3008	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	Concepts in Mobile Robots	OEC	3	0	0	3	3
25.	MV3501	Marine Propulsion	OEC	3	0	0	3	3
26.	OMV351	Marine Merchant Vessels	OEC	3	0	0	3	3
27.	OMV352	Elements of Marine Engineering	OEC	3	0	0	3	3
28.	CRA332	Drone Technologies	OEC	3	0	0	3	3

29.	OGI352	Geographical Information System	OEC	3	0	0	3	3
30.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
31.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
32.	OEE353	Introduction to control systems	OEC	3	0	0	3	3
33.	OEI354	Introduction to Industrial Automation Systems	OEC	3	0	0	3	3
34.	OCH353	Energy Technology	OEC	3	0	0	3	3
35.	OCH354	Surface Science	OEC	3	0	0	3	3
36.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
37.	OFD355	Food safety and Quality Regulations	OEC	3	0	0	3	3
38.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
39.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
40.	FT3201	Fibre Science	OEC	3	0	0	3	3
41.	OTT355	Garment Manufacturing Technology	OEC	3	0	0	3	3
42.	OPE353	Industrial safety	OEC	3	0	0	3	3
43.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
44.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3
45.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
46.	OEC353	VLSI Design	OEC	3	0	0	3	3
47.	CBM370	Wearable Devices	OEC	3	0	0	3	3
48.	CBM356	Medical Informatics	OEC	3	0	0	3	3
49.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3
50.	OBT355	Biotechnology for Waste Management	OEC	3	0	0	3	3
51.	OBT356	Lifestyle Diseases	OEC	3	0	0	3	3
52.	OBT357	Biotechnology in Health Care	OEC	3	0	0	3	3

SUMMARY

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	6					29
3	ESC	5	9							14
4	PCC		5	21	18	14	4			62
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	26	24	22	19	14	10	163

Name of the Programme: B.Tech. Artificial Intelligence and Data Science

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 (Amendments) 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

(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	CATE GORY	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	CATE GORY	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

VERTICAL 5: ENVIRONMENT AND SUSTAINABILITY

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

7.	CES337	Integrated Energy Planning for Sustainable Development	3	0	0	3	3
8.	CES338	Energy Efficiency for Sustainable Development	3	0	0	3	3

ANNA UNIVERSITY, CHENNAI

**NON - AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021**

CHOICE BASED CREDIT SYSTEM

B.E. COMPUTER SCIENCE AND ENGINEERING

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.

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.

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.

Year	Sem	Course name	PO												PSO		
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
I	**I**	Induction Programme															
		Professional English - I	1.6	2.2	1.8	2.2	1.5	3	3	3	1.6	3	3	3	-	-	-
		Matrices and Calculus	3	3	1	1	0	0	0	0	2	0	2	3	-	-	-
		Engineering Physics	3	3	1.6	1.2	1.8	1	-	-	-	-	-	1	-	-	-
		Engineering Chemistry	2.8	1.3	1.6	1	-	1.5	1.8	-		-	-	1.5	-	-	-
		Problem Solving and Python Programming	2	3	3	3	2	-	-	-	-	-	2	2	3	3	
		தமிழர் மரபு /Heritage of Tamils															
		Problem Solving and Python Programming Laboratory	2	3	3	3	2	-	-	-	-	-	2	2	3	3	-
		Physics and Chemistry Laboratory	3	2.4	2.6	1	1										
			2.6	1.3	1.6	1	1	1.4	1.8	-	-	-	-	1.3	-	-	-
		English Laboratory $	3	3	3	3	1	3	3	3	3	3	3	3	-	-	-
	II	Professional English - II	3	3	3	3	2.75	3	3	3	2.2	3	3	3	-	-	-
		Statistics and Numerical Methods	3	3	1	1	1	0	0	0	2	0	2	3	-	-	-
		Physics for Information Science	3	1.3	2	1.3	2.3	1	1.3	-	-	-	-	2	-	-	-
		Basic Electrical and Electronics Engineering	2	1.8	1	-	-	-	-	1	-	-	-	2	-	-	1
		Engineering Graphics	3	1	2	-	2	-	-	-	-	3	-	2	2	2	-
		Programming in C	2	2	2	1	2	1	1	1	2	-	3	2	2	2	-
		தமிழரும் ததொழில் நுட்பமும் /Tamils and Technology															
		Engineering Practices Laboratory	3	2	-	-	1	1	1	-	-	-	-	2	2	1	1
		Programming in C Laboratory	2	2	3	2	1	2	-	-	2	1	2	2	2	2	
		Communication Laboratory / Foreign Language $	2.4	2.8	3	3	1.8	3	3	3	3	3	3	3	-	-	-
II	**III**	Discrete Mathematics	1	3	2	1	-	-	-	-	-	1	-	-	-	-	-
		Digital Principles and Computer Organization	3	3	3	3	1.8	1.6	1	1	1	1	1.6	2.6	1.4	2.6	1.6
		Foundations of Data Science	2	2	1	2	2	1	1	-	1	1	1	2	2	2	2
		Data Structures	2	2	1	2	2	1	1	-	1	1	1	2	2	2	2

Mapping of Course Outcome and Programme Outcome

		Object Oriented Programming	2	1	2	2	2	-	-	-	2	2	1	2	3	2	2
		Data Structures Laboratory	2	2	2	1	2	-	-	-	2	2	2	2	2	2	3
		Object Oriented Programming Laboratory	2	2	2	2	2	-	-	-	2	2	2	2	2	2	2
		Data Science Laboratory	2	2	2	2	1	-	-	-	2	2	2	2	2	3	2
		Professional Development$															
	IV	Theory of Computation	2	2	2	2	1	-	-	-	1	2	2	2	2	2	2
		Artificial Intelligence and Machine Learning	2	1	2	2	1	-	-	-	2	2	2	3	2	2	2
		Database Management Systems	2	2	3	2	1	-	-	-	2	2	2	2	2	2	3
		Algorithms	2.67	1.8	3	1			1.33					1		1	1
		Introduction to Operating Systems	2	2	2	2	1	-	-	-	2	2	2	2	1	2	2
		Environmental Sciences and Sustainability	2.8	1.8	1	1	-	2.2	2.4	-	-	-	-	1.8	-	-	-
		Operating Systems Laboratory	2	2	2	2	2	-	-	-	2	2	2	2	2	2	2
		Database Management Systems Laboratory	2	3	2	2	1	-	-	-	2	1	3	2	2	2	2
III	V	Computer Networks	-	1	-	-	1	-	-	-	-	1	-	-	-	1	1
		Compiler Design	3.00	2.80	2.60	2.20	2.00	-	-	-	2.60	2.00	1.60	2.40	1.80	1.80	2.00
		Cryptography and Cyber Security	3	2.6	2.6	2.6	2.8	-	-	-	2	-	-	1.2	2.8	2.8	3
		Distributed Computing	1.8	2.4	1.8	2.4	2	-	-	-	2.6	2.2	2.2	1.6	2	1.8	1.6
	VI	Object Oriented Software Engineering	2	2	1	2	2	-	-	-	-	1	1	2	2	2	1
		Embedded Systems and IoT	2.6	2	3	2.4	1.5	-	-	-	1	2.2	2.2	2.4	2.2	1.6	2.6
IV	VII	Human Values and Ethics															
		Summer internship															
	VIII	Project Work / Internship															

1 - low, 2 - medium, 3 - high, '-' - no correlation

ANNA UNIVERSITY, CHENNAI

NON- AUTONOMOUS AFFILIATED COLLEGES
REGULATIONS 2021

B. E. COMPUTER SCIENCE AND ENGINEERING
CHOICE BASED CREDIT SYSTEM

CURRICULUM AND SYLLABI FOR SEMESTERS I TO VIII
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.	HS3152	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 CONTAT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	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 தொழில் நுட்பமும் /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 CONTAT 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	Non-credit course
		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	Non-credit course
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 CONTAT 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 CONTAT 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	CATE GORY	PERIODS PERWEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 Risk Reduction and Management	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses

MANDATORY COURSES II[*]

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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

*Mandatory Courses are offered as Non-Credit Courses

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

Refer to the Regulations 2021,

PROFESSIONAL ELECTIVE COURSES: VERTICALS

VERTICAL 1: DATA SCIENCE

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	3	0	0	3	3

VERTICAL 3: CLOUD COMPUTING AND DATA CENTER TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 CONTAT 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 CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	Food, Nutrition and Health	OEC	3	0	0	3	3
4.	OCE351	Environmental 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	OIE352	Resource Management Techniques	OEC	3	0	0	3	3
2.	OMG351	Fintech Regulation	OEC	3	0	0	3	3
3.	OFD351	Holistic Nutrition	OEC	3	0	0	3	3
4.	AI3021	IT in Agricultural System	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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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.	CME365	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	3	0	0	3	3
6.	MF3003	Reverse Engineering	OEC	3	0	0	3	3
7.	OPR351	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	AU3791	Electric and Hybrid Vehicles	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.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
25.	OFD353	Introduction to food processing	OEC	3	0	0	3	3
26.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
27.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
28.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
29.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
30.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
31.	CPE334	Energy Conservation and Management	OEC	3	0	0	3	3
32.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
33.	OEC351	Signals and Systems	OEC	3	0	0	3	3
34.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
35.	CBM348	Foundation Skills in Integrated Product Development	OEC	3	0	0	3	3
36.	CBM333	Assistive Technology	OEC	3	0	0	3	3
37.	OMA352	Operations Research	OEC	3	0	0	3	3
38.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
39.	OMA354	Linear Algebra	OEC	3	0	0	3	3
40.	OCE353	Lean Concepts, Tools and Practices	OEC	3	0	0	3	3
41.	OBT352	Basics of Microbial Technology	OEC	3	0	0	3	3
42.	OBT353	Basics of Biomolecules	OEC	3	0	0	3	3
43.	OBT354	Fundamentals of Cell and Molecular Biology	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.	CME343	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	3	0	0	3	3
10.	MF3010	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
12.	AU3002	Batteries and Management system	OEC	3	0	0	3	3
13.	AU3008	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	Concepts in Mobile Robots	OEC	3	0	0	3	3
25.	MV3501	Marine Propulsion	OEC	3	0	0	3	3
26.	OMV351	Marine Merchant Vessels	OEC	3	0	0	3	3
27.	OMV352	Elements of Marine Engineering	OEC	3	0	0	3	3

28.	CRA332	Drone Technologies	OEC	3	0	0	3	3
29.	OGI352	Geographical Information System	OEC	3	0	0	3	3
30.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
31.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
32.	OEE353	Introduction to control systems	OEC	3	0	0	3	3
33.	OEI354	Introduction to Industrial Automation Systems	OEC	3	0	0	3	3
34.	OCH353	Energy Technology	OEC	3	0	0	3	3
35.	OCH354	Surface Science	OEC	3	0	0	3	3
36.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
37.	OFD355	Food safety and Quality Regulations	OEC	3	0	0	3	3
38.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
39.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
40.	FT3201	Fibre Science	OEC	3	0	0	3	3
41.	OTT355	Garment Manufacturing Technology	OEC	3	0	0	3	3
42.	OPE353	Industrial safety	OEC	3	0	0	3	3
43.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
44.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3
45.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
46.	OEC353	VLSI Design	OEC	3	0	0	3	3
47.	CBM370	Wearable Devices	OEC	3	0	0	3	3
48.	CBM356	Medical Informatics	OEC	3	0	0	3	3
49.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3
50.	OBT355	Biotechnology for Waste Management	OEC	3	0	0	3	3
51.	OBT356	Lifestyle Diseases	OEC	3	0	0	3	3
52.	OBT357	Biotechnology in Health Care	OEC	3	0	0	3	3

SUMMARY

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 (Amendments) 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

VERTICAL 1: FINTECH AND BLOCK CHAIN

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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

B. E. ELECTRONICS AND COMMUNICATION ENGINEERING
CHOICE BASED CREDIT SYSTEM

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

To provide the students with a strong foundation in the required sciences in order to pursue studies in Electronics and Communication Engineering.

To gain adequate knowledge to become good professional in electronic and communication engineering associated industries, higher education and research.

To develop attitude in lifelong learning, applying and adapting new ideas and technologies as their field evolves.

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.

To inculcate in the students a professional and ethical attitude and an ability to visualize the engineering issues in a broader social context.

PROGRAM OUTCOMES (POs)

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

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.

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.

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.

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.

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.

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.

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

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

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.

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.

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)

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

PEO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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

1 - low, 2 - medium, 3 - high, '-' - no correlation

Year	Sem	Course name	PO 1	2	3	4	5	6	7	8	9	10	11	12	PSO 1	2	3
I	I	Induction Programme															
		Professional English - I	1.6	2.2	1.8	2.2	1.5	3	3	3	1.6	3	3	3	-	-	
		Matrices and Calculus	3	3	1	1	0	0	0	0	2	0	2	3	-	-	
		Engineering Physics	3	3	1.6	1.2	1.8	1	-	-	-	-	-	1	-	-	
		Engineering Chemistry	2.8	1.3	1.6	1	-	1.5	1.8	-		-	-	1.5	-	-	
		Problem Solving and Python Programming	2	3	3	3	2	-	-	-	-	-	2	2	3	3	
		தமிழர் மரபு /Heritage of Tamils															
		Problem Solving and Python Programming Laboratory	2	3	3	3	2	-	-	-	-	-	2	2	3	3	
		Physics and Chemistry Laboratory	3	2.4	2.6	1	1										
			2.6	1.3	1.6	1	1	1.4	1.8	-	-	-	-	1.3	-	-	
		English Laboratory $	3	3	3	3	1	3	3	3	3	3	3	3	-	-	
	II	Professional English - II	3	3	3	3	2.75	3	3	3	2.2	3	3	3	-	-	-
		Statistics and Numerical Methods	3	3	1	1	1	0	0	0	2	0	2	3	-	-	-
		Physics for Electronics Engineering	3	2	1.4	1.5	2.5	2	3					1			
		Electrical and Instrumentation Engineering	2	1	1					1					-	-	-
		Engineering Graphics	3	1	2	-	2	-	-	-	-	3	-	2	2	2	-
		Circuit Analysis	3	3	3	2	-	-	-	1	-	1	-	-	-	-	-
		தமிழரும் தொழில் நுட்பமும் /Tamils and Technology															
		Engineering Practices Laboratory	3	2			1	1	1					2	2	1	1
		Circuits Analysis Laboratory	3	3	3	2	-	-	-	1	-	1	-	-	-	-	-
		Communication Laboratory / Foreign Language $	2.4	2.8	3	3	1.8	3	3	3	3	3	3	3	-	-	-
II	Iii	Random Processes and Linear Algebra	3	3	0	0	0	0	0	0	3	0	0	2	-	-	-
		C Programming and Data Structures	2	2	1	2	2	1	1	-	1	1	1	2	2	2	2
		Signals and Systems	3	3	3	3	3	2	-	-	-	-	-	3	2	3	1
		Electronic Devices and Circuits	3	3	3	3	2	2	-	-	-	-	-	1	2	1	1

Mapping of Course Outcome and Programme Outcome

Year	Sem	Course															
		Control Systems	3	3	3	3	2	2	-	-	-	-	2	3	3	3	3
		Digital Systems Design	3	2.6	2.6	2.3	-	2	-	-	-	-	2	2	3	3	2
		Electronic Devices and Circuits Laboratory	2	2	2.6	3	-	-	-	-	-	-	-	-	2	1	1
		C Programming and Data Structures Laboratory	2	2	1	2	2	1	1	-	1	1	1	2	2	2	2
		Professional Development$															
	IV	Electromagnetic Fields	2	2	2	2	2	2	1	-	-	1	1	2			
		Embedded Systems and IOT Design	3	3	2.6	2.2	2.2	-	-	-	-	-	-	-	2.8	2.2	1.4
		Linear Integrated Circuits	1.4	2.5	3	2.2	-	-	-	-	-	-	1	3	2	1	1
		Digital Signal Processing	3	3	2	2	2	2	-	-	-	-	1	1	2	2	2
		Communication Systems	3	3	3	3	2.5	1	1	-	-	-	1	1			
		Environmental Sciences and Sustainability	2.8	1.8	1	1	-	2.2	2.4	-	-	-	-	1.8	-	-	-
		Communication Systems Laboratory	3	3	3	3	3	2.5	-	-	-	1	1	1			
		Linear Integrated Circuits Laboratory	2	3	3	3	2	-	-	-	-	-	1	1			
III	V	Wireless Communication	3	3	2	2	2	2	-	-	-	-	-	1	3	1	2
		VLSI and Chip Design	2	2	2	2	1	1.5	-	-	-	-	1	2	3	3	3
		Transmission lines and RF Systems	3	3	3	3	2	1	-	-	-	1	-	1	2	1	1
		VLSI Laboratory	2.2	2.2	2.2	2.2	1	-	-	-	-	-	1	1	2	2	2
	VI	Telecommunication Switching and Transmission	3	2.6	2.8	2.2	1.2	-	-	-	-	-	-	2	2.8	2.4	2.2
		Artificial Intelligence and Machine Learning	2	1	2	2	1	-	-	-	2	2	2	3	2	2	2
IV	VII	Human Values and Ethics															
		Summer internship															
	VIII	Project Work / Internship															

1 - low, 2 - medium, 3 - high, '-' - no correlation

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REGULATIONS 2021

B. E. ELECTRONICS AND COMMUNICATION ENGINEERING

CHOICE BASED CREDIT

SYSTEM

CURRICULUM AND SYLLABI FOR SEMESTERS I TO VIII

SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE- GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	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 CONTAT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	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 CONTAT 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 CONTAT 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 CONTAT 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	Non-credit course
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 CONTAT 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 IV	PEC	-	-	-	-	3
5.		Professional Elective V	PEC	-	-	-	-	3
6.		Professional Elective VI	PEC	-	-	-	-	3
7.		Mandatory Course-II [&]	MC	3	0	0	3	Non-credit course
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

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 CONTAT 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	CATE GORY	PERIODS PERWEEK			TOTAL CONTAT 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	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 Risk Reduction and Management	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses

MANDATORY COURSES II[*]

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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

*Mandatory Courses are offered as Non-Credit Courses

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:

Refer to the Regulations 2021, Clause 6.3. (Amended on 27.07.2023)

PROFESSIONAL ELECTIVE COURSES: VERTICALS

VERTICAL 1: SEMICONDUCTOR CHIP DESIGN AND TESTING

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	3	0	0	3	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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	CEC332	Advanced Digital Signal Processing	PEC	2	0	2	4	3
2.	CEC366	Image Processing	PEC	3	0	0	3	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

VERTICAL 3: RF TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	RFID System Design and Testing	PEC	2	0	2	4	3

VERTICAL 4: BIO MEDICAL TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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

VERTICAL 5: UNDERWATER TECHNOLOGIES

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	CEC369	IoT Processors	PEC	2	0	2	4	3
2.	CEC368	IoT Based Systems 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	2	0	2	4	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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	Food, Nutrition and Health	OEC	3	0	0	3	3
4.	OCE351	Environmental 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.	CCS355	Neural Networks and Deep Learning	OEC	2	0	2	4	3
9.	CCW332	Digital Marketing	OEC	2	0	2	4	3

OPEN ELECTIVES – II

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	OIE352	Resource Management Techniques	OEC	3	0	0	3	3
2.	OMG351	Fintech Regulation	OEC	3	0	0	3	3
3.	OFD351	Holistic Nutrition	OEC	3	0	0	3	3
4.	AI3021	IT in Agricultural System	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.	CCS342	DevOps	OEC	2	0	2	4	3
9.	CCS361	Robotic Process Automation	OEC	2	0	2	4	3

OPEN ELECTIVES – III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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.	CME365	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	3	0	0	3	3
6.	MF3003	Reverse Engineering	OEC	3	0	0	3	3
7.	OPR351	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	AU3791	Electric and Hybrid Vehicles	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.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
25.	OFD353	Introduction to Food Processing	OEC	3	0	0	3	3
26.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
27.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
28.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
29.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
30.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
31.	CPE334	Energy Conservation and Management	OEC	3	0	0	3	3
32.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
33.	CBM348	Foundation Skills in Integrated Product Development	OEC	3	0	0	3	3
34.	CBM333	Assistive Technology	OEC	3	0	0	3	3
35.	OMA352	Operations Research	OEC	3	0	0	3	3
36.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3

S.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	TOTAL CONTACT PERIODS	CREDITS
37.	OMA354	Linear Algebra	OEC	3	0	0	3	3
38.	OCE353	Lean Concepts, Tools and Practices	OEC	3	0	0	3	3
39.	OBT352	Basics of Microbial Technology	OEC	3	0	0	3	3
40.	OBT353	Basics of Biomolecules	OEC	3	0	0	3	3
41.	OBT354	Fundamentals of Cell and Molecular Biology	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.	CME343	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	3	0	0	3	3
10.	MF3010	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
12.	AU3002	Batteries and Management system	OEC	3	0	0	3	3
13.	AU3008	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	Concepts in Mobile Robots	OEC	3	0	0	3	3
25.	MV3501	Marine Propulsion	OEC	3	0	0	3	3
26.	OMV351	Marine Merchant Vessels	OEC	3	0	0	3	3
27.	OMV352	Elements of Marine Engineering	OEC	3	0	0	3	3
28.	CRA332	Drone Technologies	OEC	3	0	0	3	3

29.	OGI352	Geographical Information System	OEC	3	0	0	3	3
30.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
31.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
32.	OEE353	Introduction to control systems	OEC	3	0	0	3	3
33.	OEI354	Introduction to Industrial Automation Systems	OEC	3	0	0	3	3
34.	OCH353	Energy Technology	OEC	3	0	0	3	3
35.	OCH354	Surface Science	OEC	3	0	0	3	3
36.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
37.	OFD355	Food Safety and Quality Regulations	OEC	3	0	0	3	3
38.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
39.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
40.	FT3201	Fibre Science	OEC	3	0	0	3	3
41.	OTT355	Garment Manufacturing Technology	OEC	3	0	0	3	3
42.	OPE353	Industrial safety	OEC	3	0	0	3	3
43.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
44.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3
45.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
46.	CBM370	Wearable Devices	OEC	3	0	0	3	3
47.	CBM356	Medical Informatics	OEC	3	0	0	3	3
48.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3
49.	OBT355	Biotechnology for Waste Management	OEC	3	0	0	3	3
50.	OBT356	Lifestyle Diseases	OEC	3	0	0	3	3
51.	OBT357	Biotechnology in Health Care	OEC	3	0	0	3	3

SUMMARY

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

Table header spans the programme name:

Name of the Programme: B.E. Electronics and Communication Engineering

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 (Amendments) 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

(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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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
COLLEGESREGULATIONS 2021

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

CHOICE BASED CREDIT SYSTEM

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):

Find employment in Core Electrical and Electronics Engineering and service sectors.

Get elevated to technical lead position and lead the organizationcompetitively.

Enter into higher studies leading to post-graduate and research degrees

Become consultant and provide solutions to the practical problems of core organization.

Become an entrepreneur and be part of electrical and electronics product and serviceindustries.

PROGRAMME OUTCOMES (POs):

After going through the four years of study, our Electrical and Electronics EngineeringGraduates 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 electronicssystems 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 consciousnessand sustainable development.
8	Ethics	Interacting industry, business and society in aprofessional 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 alife-long activity.

PROGRAM SPECIFIC OUTCOMES (PSOs):

On completion of Electrical and Electronics Engineering program, the student will have the

following Program Specific Outcomes.

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.

Foundation of Mathematical Concepts: Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.

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.

EMESTER	COURSE CODE	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMS		
		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	1.6	2.2	1.8	2.2	1.5	3	3	3	1.6	3	3	3	-	-	-
	Matrices and Calculus	3	3	1	1	0	0	0	0	2	0	2	3	-	-	-
	Engineering Physics	3	3	1.6	1.2	1.8	1	-	-	-	-	-	1	-	-	-
	Engineering Chemistry	2.8	1.3	1.6	1	-	1.5	1.8	-		-	-	1.5	-	-	-
	Problem Solving and Python Programming	2	3	3	3	2	c	-	-	-	-	2	2	3	3	
	தமிழர் மரy / Heritage of Tamils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Problem Solving and Python Programming Laboratory	2	3	3	3	2	-	-	-	-	-	2	2	3	3	
	Physics and Chemistry Laboratory	3	2.4	2.6	1	1	-	-	-	-	-	-	-	-	-	-
		2.6	1.3	1.6	1	1	1.4	1.8	-	-	-	-	1.3	-	-	-
	English Laboratory$	3	3	3	3	1	3	3	3	3	3	3	3	-	-	-
II	Professional English - II	3	3	3	3	2.75	3	3	3	2.2	3	3	3	-	-	-
	Statistics and Numerical Methods	3	3	1	1	1	0	0	0	2	0	2	3	-	-	-
	Physics for Electrical Engineering	3	2	1			1	-	-	-	-	-	-	-	-	-
	Basic Civil and Mechanical Engineering	2	-	-	0.2	-	-	1	2	1.2	2	-	-	-	-	-
	Engineering Graphics	3	1	2		2	-	-	-	-	3		2	2	2	
	Electric Circuit Analysis	3	3	3	2.8	2		2	1				3	3	3	3
	தமிழம் தொழல்ட்பம் / Tamils and Technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Engineering Practices Laboratory	3	2	-	-	1	1	1	-	-	-	-	2	2	1	1
	Electric Circuits Laboratory	3	3	3	3	3		2	1.5	3			3	3	3	2
	Communication Laboratory / Foreign Language$	2.4	2.8	3	3	1.8	3	3	3	3	3	3	3	-	-	-
III	Probability and Complex Functions	3	3	0	0	0	0	0	0	2	0	0	2	-	-	-
	Electromagnetic Fields	3	2	1	2	-	-	1.4	1	-	-	-	1	3	2	1
	Digital Logic Circuits	3	3	3	1	3	-	-	1	-	-	-	1	3		1
	Electron Devices and Circuits	2	2	3	2	2	-	-	1	-	-	-	1	3		1

4

	Electrical Machines - I	3	3	1	1	1	-	-	1	-	-	-	1	3	3	3
	C Programming and Data Structures	2	2	1	2	2	1	1	-	1	1	1	2	2	2	2
	Electronic Devices and Circuits Laboratory	-	3	2.7	3	3	-	-	1.5	-	-	3	-	-	3	
	Electrical Machines Laboratory – I	3	3	1	1		-	-		1				2.5	2.6	1.6
	C Programming and Data Structures Laboratory	2	2	1	2	2	1	1	-	1	1	1	2	2	2	2
	Professional Development$															
IV	Environmental Sciences and Sustainability	2.8	1.8	1	1	-	2.2	2.4	-	-	-	-	1.8	-	-	-
	Transmission and Distribution	2.8	1.8	1	1		1	-	1.8	-		-		3	2.4	1
	Linear Integrated Circuits	2	2	3	2	2			1	-			1	3	2	1
	Measurements and Instrumentation	3	2	3	2	3	2		2	-	3	-	3	3	3	3
	Microprocessor and Microcontroller	2	1	2	3		-		1	-	-	-	3	3	1	3
	Electrical Machines - II	3	3	1.6	2.3	2.6	-		1	-	-	-		3	3	2
	Electrical Machines Laboratory - II	3	3	1	1		-		1.5	1	-	-	2.8	3	3	1.6
	Linear and Digital Circuits Laboratory		3	1.6	3	3	-		1.5		-	3	3	2	1	2
	Microprocessor and Microcontroller laboratory	2	1	2	3		-		1.5		-		3	3	1	3
V	Power System Analysis	3	2.6	2.4	1.8	1.4	-			1	-		1	1	1	1.4
	Power Electronics	3	3	3	3		-	1.5	1		-	2.25	3	3	3	3
	Control Systems	3	3	3	3	3	-		1		-		3	3	3	3
	Power Electronics Laboratory	3	3	3	3	3	-		1.5		-		3	3	3	3
	Control and Instrumentation Laboratory	3	3	3	3	3	-		1.5		-		2	3	3	3
VI	Protection and Switchgear	3	1	1	2	1.2	2	1	1	1	1	2		3	1.4	1
	Power System Operation and Control	2	1.6	1	1		1		1.6		2		2	3	2.2	2.86
	Power System Laboratory	3	3	2	2	3	-		2	1	2		3	3	3	3
VII	High Voltage Engineering	2	2	2.33	1		2		1	1		2	3	3	2	2
	Human Values and Ethics															
VIII	Project Work / Internship	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

low, 2-medium, 3-high, '-"- no correlation

**NON-AUTONOMOUS AFFILIATED
COLLEGESREGULATIONS 2021**

CHOICE BASED CREDIT SYSTEM

**B.E. ELECTRICAL AND ELECTRONICS
ENGINEERING CURRICULUM AND SYLLABI
FOR SEMESTERS I TO VIII**

SEMESTER – I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GOY	PERIODS PER WEEK L	T	P	TOTAL CONTAT PERIODS	CREDITS
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	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 மரபy / 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-GOY	PERIODS PER WEEK L	T	P	TOTAL CONTAT PERIODS	CREDITS
THEORY								
1.	HS3252	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	தமிழ்ம் தொழல்ட்ப்ம் / 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

10	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 inthe Mark Sheet, however the same shall not be considered for the computation of CGPA.

$ Skill Based Cours

SEMESTER III

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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**

SEMESTER IV

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 inthe 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 CONTAT 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	Non-Credit Course
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 underMC-I)**

SEMESTER VI

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	Non-Credit Course
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 inthe Mark Sheet, however the same shall not be considered for the computation of CG

SEMESTER VII/VIII *

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 offeredduring 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 CONTAT 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 offeredduring semester VIII.

TOTAL CREDITS: 167

MANDATORY COURSES I*

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

*Mandatory courses are offered as Non-Credit courses

MANDATORY COURSES II*

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

*Mandatory courses are offered as Non-Credit courses

ELECTIVE - MANAGEMENT COURSES

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	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

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
Utilization and Conservation of Electrical Energy	Special Electrical Machines	Embedded System Design	Electric Vehicle Architecture	Process Modeling and Simulation	Energy Storage Systems
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
Substation Engineering and Automation	Multilevel Power Converters	Embedded Processors	Electric Vehicle Design, Mechanics and Control	System Identification	Design and Modelling of Renewable Energy Systems
HVDC and FACTS	Electrical Drives	Embedded Control for Electric Drives	Design of Electric Vehicle Charging System	Model Based Control	Grid integrating Techniques and Challenges
Energy Management and Auditing	SMPS and UPS	Smart System Automation	Testing of Electric Vehicles	Non Linear Control	Sustainable and Environmental Friendly HV Insulation System
Power Quality	Power Electronics for Renewable Energy Systems	Embedded System for Automotive Applications.	Grid Integration of Electric Vehicles	Optimal Control	Power System Transients
Smart Grids	Control of Power Electronics Circuits	VLSI Design	Intelligent control of Electric Vehicles.	Adaptive Control	PLC Programming
Restructured Power Market	-	MEMS and NEMS	-	Machine Monitoring System	Big Data Analytics
-	-	Digital Signal Processing System Design	-		-

Registration of Professional Elective Courses from Verticals:

Refer to the Regulations 2021, Clause 6.3. (Amended on 27.07.2023).

PROFESSIONAL ELECTIVE COURSES : VERTICALS

VERTICAL I : POWER ENGINEERING

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 Automation	PEC	3	0	0	3	3
4.	EE3004	HVDC and FACTS	PEC	3	0	0	3	3
5.	EE3005	Energy Management and Auditing	PEC	3	0	0	3	3
6.	EE3006	Power Quality	PEC	3	0	0	3	3
7.	EE3007	Smart Grid	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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	2	0	2	4	3

VERTICAL III : EMBEDDED SYSTEMS

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 Electric 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 Design	PEC	2	0	2	4	3

VERTICAL IV : ELECTRIC VEHICLE TECHNOLOGY

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	EE3025	Electric Vehicle Architecture	PEC	3	0	0	3	3
2.	EE3026	Design of Motor and Power Converters for Electric Vehicles	PEC	2	0	2	4	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	3	0	0	3	3
7.	EE3031	Intelligent Control of Electric Vehicles	PEC	2	0	2	4	3

VERTICAL V : ADVANCED CONTROL

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	EE3032	Energy Storage Systems	PEC	3	0	0	3	3
2.	EE3033	Hybrid Energy Technology	PEC	3	0	0	3	3
3.	EE3034	Design and Modeling of Renewable Energy Systems	PEC	3	0	0	3	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

(Students shall choose the open elective courses, such that the course contents are notsimilar 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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.	CCS333	Augmented Reality /Virtual Reality	OEC	2	0	2	4	3

OPEN ELECTIVES – III

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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.	CME365	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	3	0	0	3	3
6.	MF3003	Reverse Engineering	OEC	3	0	0	3	3
7.	OPR351	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	AU3791	Electric and Hybrid Vehicles	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

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	TOTAL CONTACT PERIODS	CREDITS
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.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
25.	OFD353	Introduction to food processing	OEC	3	0	0	3	3
26.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
27.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
28.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
29.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
30.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
31.	CPE334	Energy Conservation and Management	OEC	3	0	0	3	3
32.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
33.	OEC351	Signals and Systems	OEC	3	0	0	3	3
34.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
35.	CBM348	Foundation Skills in Integrated Product Development	OEC	3	0	0	3	3
36.	CBM333	Assistive Technology	OEC	3	0	0	3	3
37.	OMA352	Operations Research	OEC	3	0	0	3	3
38.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
39.	OMA354	Linear Algebra	OEC	3	0	0	3	3
40.	OBT352	Basics of Microbial Technology	OEC	3	0	0	3	3
41.	OBT353	Basics of Biomolecules	OEC	3	0	0	3	3
42.	OBT354	Fundamentals of Cell and Molecular Biology	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTAT 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.	CME343	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	3	0	0	3	3
10.	MF3010	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
12.	AU3002	Batteries and Management System	OEC	3	0	0	3	3
13.	AU3008	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	Concepts in Mobile Robots	OEC	3	0	0	3	3
25.	MV3501	Marine Propulsion	OEC	3	0	0	3	3
26.	OMV351	Marine Merchant Vessels	OEC	3	0	0	3	3
27.	OMV352	Elements of Marine Engineering	OEC	3	0	0	3	3
28.	CRA332	Drone Technologies	OEC	3	0	0	3	3
29.	OGI352	Geographical Information System	OEC	3	0	0	3	3
30.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
31.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
32.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3
33.	OEI354	Introduction to Industrial Automation Systems	OEC	3	0	0	3	3
34.	OCH353	Energy Technology	OEC	3	0	0	3	3
35.	OCH354	Surface Science	OEC	3	0	0	3	3
36.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
37.	OFD355	Food Safety and Quality Regulations	OEC	3	0	0	3	3
38.	OPY353	Nutraceuticals	OEC	3	0	0	3	3

39.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
40.	FT3201	Fibre Science	OEC	3	0	0	3	3
41.	OTT355	Garment Manufacturing Technology	OEC	3	0	0	3	3
42.	OPE353	Industrial Safety	OEC	3	0	0	3	3
43.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
44.	OPT352	Plastic Materials forEngineers	OEC	3	0	0	3	3
45.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
46.	OEC353	VLSI Design	OEC	3	0	0	3	3
47.	CBM370	Wearable Devices	OEC	3	0	0	3	3
48.	CBM356	Medical Informatics	OEC	3	0	0	3	3
49.	OBT355	Biotechnology for Waste Management	OEC	3	0	0	3	3
50.	OBT356	Lifestyle Diseases	OEC	3	0	0	3	3
51.	OBT357	Biotechnology in Health Care	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	-	69
5.	PEC	-	-	-	-	9	9	3	-	21
6.	OEC	-	-	-	-	-	3	9	-	12
7.	EEC	1	2	1	-	-	-	-	10	14
	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 (Amendments) of Regulations 2021.

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

VERTICALS FOR MINOR DEGREE

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

VERTICAL I : FINTECH AND BLOCK CHAIN

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	Introducti on to Fintech	PEC	3	0	0	3	3

VERTICAL II : ENTREPRENEURSHIP

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	CMG337	Foundations of Entrepreneruship	PEC	3	0	0	3	3
2.	CMG338	Team Building & Leadership Management for Business	PEC	3	0	0	3	3
3.	CMG339	Creativity & Innovationin 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 V : ENVIRONMENT AND SUSTAINABILITY

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	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
COLLEGESREGULATIONS 2021

B.TECH. INFORMATION TECHNOLOGY

CHOICE BASED CREDIT SYSTEM

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.

PROGRAM OUTCOMES (POs)

1 **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineeringproblems.

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 engineeringactivities 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 orleader 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 andleader 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 technologicalchange.

PROGRAM SPECIFIC OUTCOMES (PSOs)

To ensure graduates

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

Year	Sem	Course name	PO												PSO		
			1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**
I	**I**	Induction Programme															
		Professional English - I	1.6	2.2	1.8	2.2	1.5	3	3	3	1.6	3	3	3	-	-	-
		Matrices and Calculus	3	3	1	1	0	0	0	0	2	0	2	3	-	-	-
		Engineering Physics	3	3	1.6	1.2	1.8	1	-	-	-	-	-	1	-	-	-
		Engineering Chemistry	2.8	1.3	1.6	1	-	1.5	1.8	-		-	-	1.5	-	-	-
		Problem Solving and Python Programming	2	3	3	3	2	-	-	-	-	-	2	2	3	3	
		தமிழர் மரபு /Heritage of Tamils															
		Problem Solving and Python Programming Laboratory	2	3	3	3	2	-	-	-	-	-	2	2	3	3	-
		Physics and Chemistry Laboratory	3	2.4	2.6	1	1										
			2.6	1.3	1.6	1	1	1.4	1.8	-	-	-	-	1.3	-	-	-
		English Laboratory $	3	3	3	3	1	3	3	3	3	3	3	3	-	-	-
	II	Professional English - II	3	3	3	3	2.75	3	3	3	2.2	3	3	3	-	-	-
		Statistics and Numerical Methods	3	3	1	1	1	0	0	0	2	0	2	3	-	-	-
		Physics for Information Science	3	1.3	2	1.3	2.3	1	1.3	-	-	-	-	2	-	-	-
		Basic Electrical and Electronics Engineering	2	1.8	1	-	-	-	-	1	-	-	-	2	-	-	1
		Engineering Graphics	3	1	2	-	2	-	-	-	-	3	-	2	2	2	-
		Programming in C	2	2	2	1	2	1	1	1	2	-	3	2	2	2	-
		தமிழரும் த தொழில் நுட்பமும் /Tamils and Technology															
		Engineering Practices Laboratory	3	2	-	-	1	1	1	-	-	-	-	2	2	1	1
		Programming in C Laboratory	2	2	3	2	1	2	-	-	2	1	2	2	2	2	
		Communication Laboratory / Foreign Language $	2.4	2.8	3	3	1.8	3	3	3	3	3	3	3	-	-	-
II	**III**	Discrete Mathematics	1	3	2	1	-	-	-	-	-	1	-	-	-	-	-
		Digital Principles and Computer Organization	3	3	3	3	1.8	1.6	1	1	1	1	1.6	2.6	1.4	2.6	1.6
		Foundations of Data Science	2	2	1	2	2	1	1	-	1	1	1	2	2	2	2
		Data Structures	2	2	1	2	2	1	1	-	1	1	1	2	2	2	2

		Object Oriented Programming	2	1	2	2	2	-	-	-	2	2	1	2	3	2	2
		Data Structures Laboratory	2	2	2	1	2	-	-	-	2	2	2	2	2	2	3
		Object Oriented Programming Laboratory	2	2	2	2	2	-	-	-	2	2	2	2	2	2	2
		Data Science Laboratory	2	2	2	2	1	-	-	-	2	2	2	2	2	3	2
		Professional Development$															
	IV	Theory of Computation	2	2	2	2	1	-	-	-	1	2	2	2	2	2	2
		Artificial Intelligence and Machine Learning	2	1	2	2	1	-	-	-	2	2	2	3	2	2	2
		Database Management Systems	2	2	3	2	1	-	-	-	2	2	2	2	2	2	3
		Algorithms	2.67	1.8	3	1			1.33					1			1	1
		Introduction to Operating Systems	2	2	2	2	1	-	-	-	2	2	2	2	1	2	2
		Environmental Sciences and Sustainability	2.8	1.8	1	1	-	2.2	2.4	-	-	-	-	1.8	-	-	-
		Operating Systems Laboratory	2	2	2	2	2	-	-	-	2	2	2	2	2	2	2
		Database Management Systems Laboratory	2	3	2	2	1	-	-	-	2	1	3	2	2	2	2
III	V	Computer Networks	-	1	-	-	1	-	-	-	-	1	-	-	-	1	1
		Full Stack Web Development	3	3	3	2	3	1	1	1	1	1	1	1	2	2	1
		Cryptography and Cyber Security	3	2.6	2.6	2.6	2.8	-	-	-	2	-	-	1.2	2.8	2.8	3
		Distributed Computing	1.8	2.4	1.8	2.4	2	-	-	-	2.6	2.2	2.2	1.6	2	1.8	1.6
		Full Stack Web Development Laboratory	3	3	3	2	3	1	1	1	1	1	1	1	2	2	1
	VI	Object Oriented Software Engineering	2	2	1	2	2	-	-	-	-	1	1	2	2	2	1
		Embedded Systems and IoT	2.6	2	3	2.4	1.5	-	-	-	1	2.2	2.2	2.4	2.2	1.6	2.6
IV	VII	Human Values and Ethics															
		Summer internship															
	VIII	Project Work / Internship															

1 - low, 2 - medium, 3 - high, '-' - no correlation

NON- AUTONOMOUS AFFILIATED
COLLEGESREGULATIONS 2021
B. TECH. INFORMATION
TECHNOLOGYCHOICE BASED
CREDIT SYSTEM

CURRICULUM AND SYLLABI FOR SEMESTERS I TO VIII

SEMESTER I

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	L	T	P	TOTAL CONTAT PERIODS	CREDITS
				PERIODS PER WEEK				
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	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	L	T	P	TOTAL CONTAT PERIODS	CREDITS
				PERIODS PER WEEK				
THEORY								
1.	HS3252	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 willbe 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 CONTAT 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

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 ofCGPA.

SEMESTER V

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	Non-credit course
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

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	Non-credit course
8.		NCC Credit Course Level 3[#]	-	3	0	0	3	3 [#]
PRACTICALS								
9.	IT3681	Mobile Applications 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 CONTAT 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 beoffered 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 CONTAT 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 beoffered during semester VIII.

TOTAL CREDITS: 162

ELECTIVE – MANAGEMENT COURSES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PERWEEK			TOTAL CONTAT 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

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 Risk Reduction and Management	MC	3	0	0	3	0

*Mandatory Courses are offered as Non-Credit Courses

MANDATORY COURSES II*

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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

*Mandatory Courses are offered as Non-Credit Courses

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 Privacyin Cloud	Security and Privacy in Cloud	Multimedia Data Compression and Storage	3D Printing and Design	Ethics and AI

<u>Registration of Professional</u>

Refer to the Regulations 2021,

PROFESSIONAL ELECTIVE COURSES
VERTICALS

VERTICAL 1: DATA SCIENCE

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	3	0	0	3	3

VERTICAL 3: CLOUD COMPUTING AND DATA CENTER TECHNOLOGIES

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 Privacyin Cloud	PEC	2	0	2	4	3

VERTICAL 4: CYBER SECURITY AND DATA PRIVACY

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 Privacyin Cloud	PEC	2	0	2	4	3

VERTICAL 5: CREATIVE MEDIA

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 notsimilar to any other course contents/title under other course categories).

OPEN ELECTIVES – I

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	Food, Nutrition and Health	OEC	3	0	0	3	3
4.	OCE351	Environmental 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	OIE352	Resource Management Techniques	OEC	3	0	0	3	3
2.	OMG351	Fintech Regulation	OEC	3	0	0	3	3
3.	OFD351	Holistic Nutrition	OEC	3	0	0	3	3
4.	AI3021	IT in Agricultural System	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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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.	CME365	Renewable Energy Technologies	OEC	3	0	0	3	3
5.	OME354	Applied Design Thinking	OEC	3	0	0	3	3
6.	MF3003	Reverse Engineering	OEC	3	0	0	3	3
7.	OPR351	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	AU3791	Electric and Hybrid Vehicles	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

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	TOTAL CONTACT PERIODS	CREDITS
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.	OFD352	Traditional Indian Foods	OEC	3	0	0	3	3
25.	OFD353	Introduction to food processing	OEC	3	0	0	3	3
26.	OPY352	IPR for Pharma Industry	OEC	3	0	0	3	3
27.	OTT351	Basics of Textile Finishing	OEC	3	0	0	3	3
28.	OTT352	Industrial Engineering for Garment Industry	OEC	3	0	0	3	3
29.	OTT353	Basics of Textile Manufacture	OEC	3	0	0	3	3
30.	OPE351	Introduction to Petroleum Refining and Petrochemicals	OEC	3	0	0	3	3
31.	CPE334	Energy Conservation and Management	OEC	3	0	0	3	3
32.	OPT351	Basics of Plastics Processing	OEC	3	0	0	3	3
33.	OEC351	Signals and Systems	OEC	3	0	0	3	3
34.	OEC352	Fundamentals of Electronic Devices and Circuits	OEC	3	0	0	3	3
35.	CBM348	Foundation Skills in Integrated Product Development	OEC	3	0	0	3	3
36.	CBM333	Assistive Technology	OEC	3	0	0	3	3
37.	OMA352	Operations Research	OEC	3	0	0	3	3
38.	OMA353	Algebra and Number Theory	OEC	3	0	0	3	3
39.	OMA354	Linear Algebra	OEC	3	0	0	3	3
40.	OCE353	Lean Concepts, Tools and Practices	OEC	3	0	0	3	3
41.	OBT352	Basics of Microbial Technology	OEC	3	0	0	3	3
42.	OBT353	Basics of Biomolecules	OEC	3	0	0	3	3
43.	OBT354	Fundamentals of Cell and Molecular Biology	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTAT 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	OEC	3	0	0	3	3

		Management for Entrepreneurs						
6.	OMG355	Multivariate Data Analysis	OEC	3	0	0	3	3
7.	OME352	Additive Manufacturing	OEC	3	0	0	3	3
8.	CME343	New Product Development	OEC	3	0	0	3	3
9.	OME355	Industrial Design & Rapid Prototyping Techniques	OEC	3	0	0	3	3
10.	MF3010	Micro and Precision Engineering	OEC	3	0	0	3	3
11.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
12.	AU3002	Batteries and Management system	OEC	3	0	0	3	3
13.	AU3008	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	Concepts in Mobile Robots	OEC	3	0	0	3	3
25.	MV3501	Marine Propulsion	OEC	3	0	0	3	3
26.	OMV351	Marine Merchant Vessels	OEC	3	0	0	3	3
27.	OMV352	Elements of Marine Engineering	OEC	3	0	0	3	3
28.	CRA332	Drone Technologies	OEC	3	0	0	3	3
29.	OGI352	Geographical Information System	OEC	3	0	0	3	3
30.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
31.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
32.	OEE353	Introduction to control systems	OEC	3	0	0	3	3
33.	OEI354	Introduction to Industrial Automation Systems	OEC	3	0	0	3	3
34.	OCH353	Energy Technology	OEC	3	0	0	3	3
35.	OCH354	Surface Science	OEC	3	0	0	3	3
36.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3

37.	OFD355	Food safety and Quality Regulations	OEC	3	0	0	3	3
38.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
39.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
40.	FT3201	Fibre Science	OEC	3	0	0	3	3
41.	OTT355	Garment Manufacturing Technology	OEC	3	0	0	3	3
42.	OPE353	Industrial safety	OEC	3	0	0	3	3
43.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
44.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3
45.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
46.	OEC353	VLSI Design	OEC	3	0	0	3	3
47.	CBM370	Wearable Devices	OEC	3	0	0	3	3
48.	CBM356	Medical Informatics	OEC	3	0	0	3	3
49.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3
50.	OBT355	Biotechnology for Waste Management	OEC	3	0	0	3	3
51.	OBT356	Lifestyle Diseases	OEC	3	0	0	3	3
52.	OBT357	Biotechnology in Health Care	OEC	3	0	0	3	3

S.No	Subject Area	Credits per Semester								Total Credits
		I	II	III	IV	V	VI	VII/VIII	VIII/VII	
	Name of the Programme: B.Tech. Information Technology									
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 (Amendments) 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

(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	CATE GORY	L	T	P	TOTAL CONTAT PERIODS	CREDITS
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	CATE GORY	L	T	P	TOTAL CONTAT PERIODS	CREDITS
1.	CMG337	Foundations of Entrepreneurship	PEC	3	0	0	3	3
2.	CMG338	Team Building & Leadership Managementfor 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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
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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 teCsting, 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 practice engineering ethically with asolid 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 ofmathematics, 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 ofdata, and synthesis of the information to provide valid conclusions.

5 **Modern tool usage**: Create, select, and apply appropriate techniques, resources, andmodern 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 responsibilitiesrelevant 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 shallexhibit 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 / PO MAPPING:

PEOs	POs												PSOs		
	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

Mapping of Course Outcome and Programme Outcome

Year	Semester	Course name	PO 1	2	3	4	5	6	7	8	9	10	11	12	PSO 1	2	3
I	I	Professional English- I	1.6	2.2	1.8	2.2	1.5	3	3	3	1.6	3	3	3			
		Matrices and Calculus	3	3	1	1	0	0	0	0	2	0	2	3	-	-	-
		Engineering Physics	3	3	1.6	1.2	1.8	1	-	-	-	-	-	1	-	-	-
		Engineering Chemistry	2.8	1.3	1.6	1	-	1.5	1.8	-		-	-	1.5	-	-	-
		Problem Solving and Python Programming	2	3	3	3	2	-	-	-	-	-	2	2	3	3	-
		தமிழர் மரபு /Heritage of Tamils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Problem Solving and Python Programming Laboratory	2	3	3	3	2	-	-	-	-	-	2	2	3	3	-
		Physics and Chemistry Laboratory	3	2.4	2.6	1	1	-	-	-	-	-	-	-	-	-	-
			2.6	1.3	1.6	1	1	1.4	1.8	-	-	-	-	1.3	-	-	-
		English Laboratory$	3	3	3	3	1	3	3	3	3	3	3	3	-	-	-
	II	Professional English- II	3	3	3	3	2.75	3	3	3	2.2	3	3	3	-	-	-
		Statistics and Numerical Methods	3	3	1	1	1	0	0	0	2	0	2	3	-	-	-
		Materials Science	3	2	1.6	1.4	1.8	1.2	1	-	-	-	-	1	-	-	-
		Basic Electrical and Electronics Engineering	2	1.8	1					1				2			1
		Engineering Graphics	3	1	2	-	2	-	-	-	-	3	-	2	2	2	-
		தமிழரும் தத்ழில் நுட்பமும் / Tamils and Technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Engineering Practices Laboratory	3	2	-		1	1	1	-	-	-	-	2	2	1	1
		Basic Electrical and Electronics Engineering Laboratory	3	3	2	1	1	-	-	1.5	2				-	-	1
		Communication Laboratory / Foreign Language$	2.4	2.8	3	3	1.8	3	3	3	3	3	3	3	-	-	-
II	III	Transforms and Partial Differential Equations	3	3	2	2	1	-	-	- -	1	-	-	1	3	3	1
		Engineering Mechanics	3	2	3	1	2	-	-	-	-	-	-	2	3	1	2
		Engineering Thermodynamics	3	3	2			1			1		1	2	3	2	3
		Fluid Mechanics and Machinery	3	2	3	2	2	2	2	1	-	-	-	2	2	2	2
		Engineering Materials and Metallurgy	3	1	3	2	2	2	2	1	-	-	-	2	2	1	2
		Manufacturing Processes	3		2		2	2	2	1	1	-	-	1	3	1	2
		Professional Development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	IV	Theory of Machines	3	2	2		2	-	-	1		-	-	1	3		1
		Thermal Engineering	3	2	1	1	-	-	-	-	-	-	-	1	2	1	1
		Hydraulics and Pneumatics	2	1	1	1	-	-	-	-	-	-	-	1	2	1	1
		Manufacturing Technology	3	3	3	1	1	1	3	-	-	3	-	-	3	2	2
		Strength of Materials	3	3	3	3	2	3	1	3	2	3	1	3	2	1	1
		Environmental Sciences and Sustainability	1	1	1	-	-	3	-	1	-	2	1	2	2	1	-
III	V	Design of Machine Elements	2	2	3	-	-	-	-	1	1	-	-	2	3	2	2
		Metrology and Measurements	3	2	2	2	-	-	-	-	1	-	-	1	3	2	1

	VI	Heat and Mass Transfer	3	3	3	2	-	-	-	-	1	-	-	1	3	2	1
IV	**VII**	Mechatronics and IoT	3	2	2	2	2.		1		1	-	-	2	1	2	3
		Computer Integrated Manufacturing	3	2	2	1	2	-	-	-	1	-	-	1	2	1	3
		Human Values and Ethics	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Industrial Management	-	-	1	1	-	3	2	3	2	3	2	3	1	1	1

ANNA UNIVERSITY, CHENNAI
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CHOICE BASED CREDIT SYSTEM
B. E. MECHANICAL ENGINEERING

CURRICULUM AND SYLLABI FOR I TO

VIIISEMESTERS

SEMESTER I

SL. NO.	COURSE CODE	COURSE TITLE	CATE - GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	IP3151	Induction Programme	-	-	-	-	-	0
THEORY								
2.	HS3152	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

SL. NO.	COURSE CODE	COURSE TITLE	CATE - GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	HS3252	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 தொழில் நுட்பமும் / 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 berecorded in the Mark Sheet, however the same shall not be considered for the computation of CGPA.

$ Skill Based Cours

SEMESTER III

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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 CONTAT 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

SEMESTER V

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	Non-Credit Course
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 andsame 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 CONTAT 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	Non-Credit Course
8.		NCC Credit Couse Level 3[#]		3	0	0	3	3#
PRACTICALS								
9.	ME3681	CAD/CAM Laboratory	PCC	0	0	4	4	2
10.	ME3682	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 recordedin 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 CONTAT 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 andsame will

be evaluated in VII semester.

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

TOTAL CREDITS:167

MANDATORY COURSES I*

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

*Mandatory Courses are offered as Non-Credit courses

MANDATORY COURSES II*

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

*Mandatory Courses are offered as Non-Credit courses

PROFESSIONAL ELECTIVE COURSES: VERTICALS

VERTICAL 1	VERTICAL 2	VERTICAL 3	VERTICAL 4	VERTICAL 5	VERTICAL 6	VERTICAL 7	VERTICAL 8	VERTICAL 9	VERTICAL 10
MODERN MOBILITY SYSTEMS	PRODUCT AND PROCESS DEVELOPMET	ROBOTICS AND AUTOMATION	DIGITAL AND GREEN MANUFACTURIG	PROCESS EQUIPMENT AND PIPING DESIGN	CLEAN AND GREEN ENERGY TECHNOLOGIS	COMPUTATIONAL ENGINEERING	DIVERSIFIE DCOURSES 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	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	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	Design Conceptsin 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	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	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	Power Plant Engineering	Design for Manufacturing	Precision Manufacturing
Thermal Managementof 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	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:

Refer to the Regulations 2021, Clause 6.3. (Amended on 27.07.2023)

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: 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 9: DIVERSIFIED COURSES GROUP 2

Sl. No.	Course Code	Course Title	Category	Periods Per week			Total Contact Periods	Credits
				L	T	P		
1.	CAE353	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 10: 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.	CME386	Gas Dynamics and Jet Propulsion	PEC	3	0	0	3	3
8.	CME399	Operational Research	PEC	3	0	0	3	3

OPEN ELECTIVES

(Students shall choose the open elective courses, such that the course contents are notsimilar 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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.	CCS333	Augmented Reality / Virtual Reality	OEC	2	0	2	4	3

OPEN ELECTIVES – III

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	OCE353	Lean Concepts, Tools And Practices	OEC	3	0	0	3	3
2.	OHS351	English for Competitive Examinations	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	3	0	0	3	3
6.	MF3003	Reverse Engineering	OEC	3	0	0	3	3
7.	OPR351	Sustainable Manufacturing	OEC	3	0	0	3	3
8.	AU3791	Electric and Hybrid Vehicles	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.	OAE352	Fundamentals of Aeronautical engineering	OEC	3	0	0	3	3
14.	OML351	Introduction to non-destructive testing	OEC	3	0	0	3	3
15.	OMR351	Mechatronics	OEC	3	0	0	3	3
16.	ORA351	Foundation of Robotics	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
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.	OPE334	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.	CBM348	Foundation Skills in integrated product Development	OEC	3	0	0	3	3
37.	CBM333	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.	OBT352	Basics of Microbial Technology	OEC	3	0	0	3	3
42.	OBT353	Basics of Biomolecules	OEC	3	0	0	3	3
43.	OBT354	Fundamentals of Cell and Molecular Biology	OEC	3	0	0	3	3

OPEN ELECTIVES – IV

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	OCE354	Basics of Integrated Water Resources Management	OEC	3	0	0	3	3
2.	OHS352	Project Report Writing	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	Queueing 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	3	0	0	3	3
9.	MF3010	Micro and Precision Engineering	OEC	3	0	0	3	3
10.	OMF354	Cost Management of Engineering Projects	OEC	3	0	0	3	3
11.	AU3002	Batteries and Management system	OEC	3	0	0	3	3
12.	AU3008	Sensors and Actuators	OEC	3	0	0	3	3
13.	OAS353	Space Vehicles	OEC	3	0	0	3	3
14.	OIM352	Management Science	OEC	3	0	0	3	3
15.	OIM353	Production Planning and Control	OEC	3	0	0	3	3
16.	OIE353	Operations Management	OEC	3	0	0	3	3
17.	OSF352	Industrial Hygiene	OEC	3	0	0	3	3
18.	OSF353	Chemical Process Safety	OEC	3	0	0	3	3
19.	OML352	Electrical, Electronic and Magnetic materials	OEC	3	0	0	3	3
20.	OML353	Nanomaterials and applications	OEC	3	0	0	3	3
21.	OMR353	Sensors	OEC	3	0	0	3	3
22.	ORA352	Concepts in Mobile Robots	OEC	3	0	0	3	3
23.	MV3501	Marine Propulsion	OEC	3	0	0	3	3
24.	OMV351	Marine Merchant Vessels	OEC	3	0	0	3	3
25.	OMV352	Elements of Marine Engineering	OEC	3	0	0	3	3
26.	CRA332	Drone Technologies	OEC	3	0	0	3	3

27.	OGI352	Geographical Information System	OEC	3	0	0	3	3
28.	OAI352	Agriculture Entrepreneurship Development	OEC	3	0	0	3	3
29.	OEN352	Biodiversity Conservation	OEC	3	0	0	3	3
30.	OEE353	Introduction to control systems	OEC	3	0	0	3	3
31.	OEI354	Introduction to Industrial Automation Systems		3	0	0	3	3
32.	OCH353	Energy Technology	OEC	3	0	0	3	3
33.	OCH354	Surface Science	OEC	3	0	0	3	3
34.	OFD354	Fundamentals of Food Engineering	OEC	3	0	0	3	3
35.	OFD355	Food safety and Quality Regulations	OEC	3	0	0	3	3
36.	OPY353	Nutraceuticals	OEC	3	0	0	3	3
37.	OTT354	Basics of Dyeing and Printing	OEC	3	0	0	3	3
38.	FT3201	Fibre Science	OEC	3	0	0	3	3
39.	OTT355	Garment Manufacturing Technology	OEC	3	0	0	3	3
40.	OPE353	Industrial Safety	OEC	3	0	0	3	3
41.	OPE354	Unit Operations in Petro Chemical Industries	OEC	3	0	0	3	3
42.	OPT352	Plastic Materials for Engineers	OEC	3	0	0	3	3
43.	OPT353	Properties and Testing of Plastics	OEC	3	0	0	3	3
44.	OEC353	VLSI Design	OEC	3	0	0	3	3
45.	CBM370	Wearable devices	OEC	3	0	0	3	3
46.	CBM356	Medical Informatics	OEC	3	0	0	3	3
47.	OBT355	Biotechnology for Waste Management	OEC	3	0	0	3	3
48.	OBT356	Lifestyle Diseases	OEC	3	0	0	3	3
49.	OBT357	Biotechnology in Health Care	OEC	3	0	0	3	3

SUMMARY

S.No	Subject Area	B.E. MECHANICAL ENGINEERING								Total Credits
		Credits per Semester								
		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 (Amendments) 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 Entrepreneruship	Principles of Public Administration	Statistics for Management	Sustainable infrastructure Development
Fundamentalsof 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 otherprogrammes or from anyone of the following verticals)

VERTICAL 1: FINTECH AND BLOCK CHAIN

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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: ENTREPRENERUSHIP

SL. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT PERIODS	CREDITS
				L	T	P		
1.	CMG337	Foundations of Entrepreneruship	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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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	CATE GORY	PERIODS PER WEEK			TOTAL CONTAT 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
2022 – 23 (ODD Semester)
III & IV Year

Date: 02.11.2022

REVISED

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

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (ODD SEMESTER – Except Semester III)

UG Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised	Existing	Revised
1.	B.E. / B.Tech.(Full-Time)	V, VII	10.08.2022	19.11.2022	06.12.2022**	21.11.2022	18.01.2023	01.12.2022	08.12.2022
2.	B.E. / B.Tech (Part-Time)	V, VII	10.08.2022	19.11.2022	-	21.11.2022	-	01.12.2022	-
3.	B.Arch. (Full-Time)	V, VII, IX							

RE - OPENING DAY FOR THE NEXT SEMESTER: 30.01.2023 (Monday)

NOTE:
1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. 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.	20.08.2022	Monday
2.	03.09.2022	Friday
3.	17.09.2022	Wednesday
4.	15.10.2022	Tuesday
5.	29.10.2022	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
6.	05.11.2022	Monday
7.	12.11.2022	Tuesday
8.	19.11.2022	Wednesday
9.	26.11.2022**	Thursday
10.	03.12.2022**	Friday

DIRECTOR
ACADEMIC COURSES

DAC - SB

II Year

Date: 02.11.2022

REVISED - I

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

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

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	
				Existing	Revised	Existing	Revised	Existing	Revised
1.	B.E. / B.Tech. (Full-Time)	III	22.08.2022	08.12.2022	27.12.2022	10.12.2022	18.01.2023	21.12.2022	29.12.2022
2.	B.Arch. (Full-Time)	III							
3.	B.E. / B.Tech (Part-Time)	III	22.08.2022	08.12.2022	-	10.12.2022	18.01.2023	21.12.2022	29.12.2022
4.	M.B.A. (5 Yrs-Integrated)	III							
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	-	21.12.2022	18.01.2023	02.01.2023	29.12.2022

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.02.2023 (Wednesday)

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

DIRECTOR
ACADEMIC COURSES

DAC - SB

I Year

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	14.11.2022	28.11.2022	23.03.2023	25.03.2023	05.04.2023
2.	B.Arch.(Full Time)	I	14.11.2022	28.11.2022	15.03.2023	25.03.2023	05.04.2023
3.	B.E. / B.Tech. (Part Time)	I	-	14.11.2022	01.03.2023	25.03.2023	05.04.2023

RE-OPENING DAY FOR THE NEXT SEMESTER: 15.05.2023 (Monday)

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

02/11/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

2022 – 23 (EVEN Semester)
II, III & IV Year

Sl. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised*	Existing	Revised*
1.	B.E. / B.Tech.(Full-Time)	IV,VI	06.02.2023	12.05.2023	24.05.2023***	15.05.2023	26.05.2023	26.05.2023	05.06.2023
2.	B.E. / B.Tech.(Full-Time)	VIII							
3.	B.Arch. (Full-Time)	IV,VI,VIII,X							
4.	B.E. / B.Tech. (Part-Time)	IV,VI	06.02.2023	12.05.2023**	-	15.05.2023	-	26.05.2023	-
5.	M.B.A.(Full-Time & Part-Time)	IV							
6.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII,X							

RE - OPENING DAY FOR THE NEXT SEMESTER: 07.08.2023 (Monday)

* To provide additional classes for Skill Based Courses.

NOTE:
1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. 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.	11.02.2023	Monday
2.	18.02.2023	Tuesday
3.	25.02.2023	Wednesday
4.	04.03.2023	Thursday
5.	11.03.2023	Friday
6.	18.03.2023	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	25.03.2023	Tuesday
8.	01.04.2023	Wednesday
9.	29.04.2023	Thursday
10.	06.05.2023	Friday
11.	13.05.2023	Monday***
12.	20.05.2023	Tuesday***

30/3/2023

DIRECTOR
ACADEMIC COURSES

DAC - SB

I Year

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				
2.	B.Arch. (Full-Time)	II	10.05.2023	07.08.2023**	09.08.2023	21.08.2023
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.E. / M. Tech. / M. Arch. (FT)	IV				

RE - OPENING DAY FOR THE NEXT SEMESTER: 11.09.2023 (Monday)

NOTE:
1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. 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	Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	13.05.2023	Friday	7.	24.06.2023	Monday
2.	20.05.2023	Monday	8.	01.07.2023	Tuesday
3.	27.05.2023	Tuesday	9.	08.07.2023	Wednesday
4.	03.06.2023	Wednesday	10.	15.07.2023	Thursday
5.	10.06.2023	Thursday	11.	22.07.2023	Friday
6.	17.06.2023	Friday	12.	05.08.2023	Monday

04/05/2023

DIRECTOR
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 100 marks with the duration for 3 hours 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

Tahsildar,
Madukkarai.

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

Signature Not Verified
Digitally signed by
MANIMARAN
Date: 2021.06.03 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. 249/1B, 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 Fifty)

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.

Dateof inspection 18.01.2021inspected by SO FIREWINGis 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 here 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.

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

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

Signature Not Verified
Digitally signed by
MANIMARAN
Date: 2021.03.03 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								
	2022 - 2023			2021 - 2022			2020 - 2021		
	Total	Enrolled	Placed	Total	Enrolled	Placed	Total	Enrolled	Placed
CSE	55	55	51	44	44	42	51	48	41
IT	57	57	50	24	24	21	33	33	31
ECE	60	60	51	28	28	25	55	54	43
EEE	12	12	12	NA	NA	NA	30	22	17
MECH	24	24	24	24	24	21	82	74	56

17. List of Research Projects / Consultancy Works

17.1 Publications

S.No.	Title of paper	Name of the author/s	Dept.	Name of journal
2023				
1	Face Counterfeit Detection in National Identity Cards Using Image Steganography	Senthilkumar.K Dr.Vignesh Ramamoorthy.H Dr.S.Uma Shankari Dr.Nallakumar R	AI&DS	Face Counterfeit Detection in National Identity Cards Using Image Steganography
2	Personality Divination with Profile Analysis and Questionnaire Screening Using Machine Learning	Ramprashath Dr.Nallakumar R Nagajothi Karthiga.N Murugeswari.P	AI&DS	Personality Divination with Profile Analysis and Questionnaire Screening Using Machine Learning
3	Proposed Model for creating Data Repository Using Facial Recognition for better Attendance Management	Mrs.G.Gowri, Mr.D.Anandhasilambarasan, Mrs S Gokila, Dr.D.Satheesh Kumar, Ms R Punitha	AI&DS	Proposed Model for creating Data Repository Using Facial Recognition for better Attendance Management

		gowri		
4	Design of Inception ResNet V2 for Detecting Malarial Infection Using the cell image captured from microscope slide	Dr.P.Mayilvelkumar Anita Venaik Shanmuga Raja John Augustine Mathi Jegan	AI&DS	Design of Inception ResNet V2 for Detecting Malarial Infection Using the cell image captured from microscope slide
5	Classification Of Coral Reefs in Marine Environments Using Deep Encoder-Decoder Mechanism	Dr.K.Sreekumar Dr.C.Aravind Palagati Anusha O.Kiran Kishore Ms. S. Chandragandhi	AI&DS	Classification Of Coral Reefs in Marine Environments Using Deep Encoder-Decoder Mechanism
6	Certain investigation on optimization technique for sensor nodes in the bio medical recording system	Ponsam, J. Godwina	Nimala, K.a; *	Mohammad, Gouse Baigb	Shitharth, S.b	Radha, Vijaya Kumar Reddyc	Rao, Buraga Srinivasad	Srihari, K.e	Chandragandhi, S.	AI&DS	Certain investigation on optimization technique for sensor nodes in the bio medical recording system
7	A Deep Convolutional Neural Network for Automated covid-19 Disease Detection using Chest X-ray Images	Rajasekaran Thangaraj a, Pandiyan P a, Jayabrabu Ramakrishnan b, Dr.Nallakumar R Sivaraman Eswaran	AI&DS	A Deep Convolutional Neural Network for Automated covid-19 Disease Detection using Chest X-ray Images
8	IRIS Scanner Based Computational Methodology For Smart ATM Systems	N.Gomathi, V.Devi, A.S.Narmadha, M.S.Vinu	AI&DS	IRIS Scanner Based Computational Methodology For Smart ATM Systems
9	Carbonic oxide monitoring and control In vehicle using raspberry pi-3	Gomathi N, Suganya.S, M Meenalochini, R. Rathna	AI&DS	Carbonic oxide monitoring and control In vehicle using raspberry pi-3

10	2B Digital Marketing Perspective to Study the Ethical Principles of Organization Behaviour in India	M. Sathiya, R. Sampath Kumar, Dr. V. Manimegalai, Samuel Augustina Lata Jeyaraj, N. Senthilkumar, Dr. B. Girimurugan	AI&DS	2B Digital Marketing Perspective to Study the Ethical Principles of Organization Behaviour in India
11	Performance Analysis of 6.8 GHz Active Integrated Photonic Antenna	K.Kowsalya,S.Kokilavani,Dr.M.Sathiya, S.Athira	AI&DS	Performance Analysis of 6.8 GHz Active Integrated Photonic Antenna
12	Detection of COVID-19 patient based on attention segmental recurrent neural network (ASRNN) Archimedes optimization algorithm using ultra-low-dose CT images	G. Kannan Karunambiga K . J. Sathish Kumar Francis H. Shajin	CSE	Detection of COVID-19 patient based on attention segmental recurrent neural network (ASRNN) Archimedes optimization algorithm using ultra-low-dose CT images
13	Marketing Policy in Service Enterprises Using Deep Learning Model	K. Karunambiga, Syed Ibad Ali, Sajitha L. P., Allen Paul Esteban, Marilou Pascual, Dr. D. Praveenadevi	CSE	Marketing Policy in Service Enterprises Using Deep Learning Model
14	Context-Aware Practice Problem Recommendation Using Learners' Skill Level Navigation Patterns	P. N. Ramesh S. Kannimuthu	CSE	Context-Aware Practice Problem Recommendation Using Learners' Skill Level Navigation Patterns
15	Online Charity Management systems using web based systems	Dr.S. Govindaraju Dr.M. Indirani Senthil Prabhu.N	CSE	Online Charity Management systems using web based systems
16	THz Plasmonic Metamaterial Antenna with High Isolation and Geometrical Performance Optimization for 6G/TWPAN	Shobhit K. Patel Deval Jansari S. Syed Jamaesha Abdulkarem H.	ECE	THz Plasmonic Metamaterial Antenna with High Isolation

	Applications	M. Almawgani Yahya Ali Abdelrahman Ali Sunil Lavadiya		and Geometrical Performance Optimization for 6G/TWPAN Applications
17	Graphene-Based THz Surface Plasmon Resonance Biosensor for Hemoglobin Detection Applicable in Forensic Science	Jacob Wekalao · Arun Kumar U · Gopinath S · Abdulkarem H. M. Almawgani · Yahya Ali Abdelrahman Ali Rinku Manvani · Shobhit K. Patel	ECE	Graphene-Based THz Surface Plasmon Resonance Biosensor for Hemoglobin Detection Applicable in Forensic Science
18	Unlocking the power of recalling enhanced recurrent neural network: channel estimation and data analysis for 5G MIMO communication system	Abdullah Saleh Alqahtani Pankaj Pathak Saravanan Pandiaraj H. Indrapriyadarsini U. Arun Kumar Susheela Nataraju	ECE	Unlocking the power of recalling enhanced recurrent neural network: channel estimation and data analysis for 5G MIMO communication system
19	Highly efficient and sensitive non- enzymatic glucose biosensor based on flower-shaped CuO-colloid nanoparticles decorated with graph ene-modified nano composite electrode	Azath Mubarakali, S. Gopinath, P. Parthasarathy, U. Arun Kumar, A. Alavudeen Basha	ECE	Highly efficient and sensitive non- enzymatic glucose biosensor based on flower-shaped CuO- colloid nanoparticles decorated with graph ene-modified nano composite electrode
20	Novel coding schemes for dual wavelength quantum cascade laser-based free space optical links	P. Ashok, M. Ganesh Madhan, P. M. Siva Raja, S. Gopinath	ECE	Novel coding schemes for dual wavelength quantum cascade laser-based free space optical links
21	Wearable Sensor Data Classification for Identifying Missing Transmission Sequence Using Tree Learning	Kambatty Bojan Gurumoorthy , Arun Sekar, Kaliraj Kalirajan, Gopinath.S, Fadi	ECE	Wearable Sensor Data Classification for Identifying Missing Transmission Sequence Using Tree

		Al-Turjman , Manjur Kolhar and Chadi Altrjman		Learning
22	A novel deep learning-based approach for detecting attacks in social IoT	R. Mohan Das, U. Arun Kumar, S. Gopinath, V. Gomathy, N. A. Natraj, N. K. Anushkannan, Adhavan Balashanmugham	ECE	A novel deep learning-based approach for detecting attacks in social IoT
23	Numerical Investigation on the Temperature dependent Impedence Characteristics of Far-Infrared Quantum Cascade Lasers	P Ashok, M Ganesh Madhan, S Gopinath, T R Premila and N Janaki	ECE	Numerical Investigation on the Temperature dependent Impedence Characteristics of Far-Infrared Quantum Cascade Lasers
24	Location based Energy Efficient Routing Protocol for Improving Network Lifetime in WSN	S. Gopinath, E. Veera Boopathy, S. Pragadeswaran, S. Madhumitha ,N. Sureshkumar	ECE	Location based Energy Efficient Routing Protocol for Improving Network Lifetime in WSN
25	A Review on Evolution of Approximate Truncation Multipliers	Veera Boopathy.E K. Kalirajan, Sathiyapriya. N, Parameshwari. N, Mounitha R	ECE	A Review on Evolution of Approximate Truncation Multipliers
26	An Secured Intrusion Detection System Integrated with the Conditional Random Field For the Manet Network	Burhan R Rexhepi, Avneesh Kumar, M.S. Gowtham, R Rajalakshmi, Ms. Divya Paikaray, Pronab Kumar Adhikari	ECE	An Secured Intrusion Detection System Integrated with the Conditional Random Field For the Manet Network
27	An Analysis Of Route Discovery Based Routing Protocols In Wireless Sensor Network	Gaurav D Saxena, S.Deepa , S.Balaji,Dr. C. Sharanya Dr.Gowtham M S	ECE	An Analysis Of Route Discovery Based Routing Protocols In Wireless Sensor

		Dr. Amit Chauhan , Dr. M. Monisha		Network
28	A Hybrid Cluster based Multicast Routing Approach for detecting active attacks in MANET	Dr. N. Suma, Dr.N.Shanmuga vadivu, L. Jubair Ahmed, Mrs.R.Kiruthikaa, Dr. S. Syed Jamaesha	ECE	A Hybrid Cluster based Multicast Routing Approach for detecting active attacks in MANET
29	Implementation of Smart Health Monitoring System using Edge Computing	Mrs.R.Kiruthikaa, Mrs.V.Pavithra, Mrs.G.S.Deepika, Sangeethapriya.B	ECE	Implementation of Smart Health Monitoring System using Edge Computing
30	Smart farming using IoT & amp data encryption standard With blockchain	Sathia Priya M, Sathiya Priya N	ECE	Smart farming using IoT & amp data encryption standard With blockchain
31	Assessment of a coordinated arrangement of wearable Physiological sensors for stress checking in work Spaces by utilizing organic markers	B.Manojkumar, S.Jeniton, S.Pragadeswaran, N.Ragupathi	ECE	Assessment of a coordinated arrangement of wearable Physiological sensors for stress checking in work Spaces by utilizing organic markers
32	FPGA Based Compressed Heart Rate Changeability Recoding Algorithm	S.Jeniton, Karthick L S, A.Suganya, A.G.Paranthaman, P.Latha, B.Manojkumar	ECE	FPGA Based Compressed Heart Rate Changeability Recoding Algorithm
33	Smart Irrigation Control with Disease Detection Using Machine Learning and Arduino Controller	R. Kiruthikaa , B. Nandhini , R. Anand , Abiksha and Swarna	ECE	Smart Irrigation Control with Disease Detection Using Machine Learning and Arduino Controller
34	Design of Fast, Minimum Power Non-Volatile Master Slave Flip-Flop for	M.Aiswarya ,V.S.Nishok , G.Suresh ,	ECE	Design of Fast, Minimum Power Non-Volatile Master

		Ramesh Raju , B.Murali		Slave Flip-Flop for
	Memory Storage			Memory Storage
35	Wifi Based Location Identification System Using Heart Rate Analysis	Shanmuga Vadivu N, Pavithra V, Suma N, Shanmuga Priya N, Mohan Raj.C	ECE	Wifi Based Location Identification System Using Heart Rate Analysis
36	AES Algorithm for the Next Generation of 5G Network Encryption Standards	Manojkumar T, Tamilarasi K,Mahalakshmi S, Vinayagam P, Mahanthesha U,Mohanraj S	ECE	AES Algorithm for the Next Generation of 5G Network Encryption Standards
37	Advanced Control Techniques for Power Quality Enhancement in Off-Grid Wind Power Systems	T. Devaraju, M. Pala Prasad Reddy, D. Sujatha, R. Ravikumar, A. Munisankar, V. Senthilkumar	EEE	Advanced Control Techniques for Power Quality Enhancement in Off-Grid Wind Power Systems
38	Analysis and Implementation of Switched Capacitor Based Multilevel Inverter for Electric Vehicles Applications	Murugesan M	EEE	Analysis and Implementation of Switched Capacitor Based Multilevel Inverter for Electric Vehicles Applications
39	Design and Implementation of Modified Multilevel Inverter FED BLDC Motor for Electric Vehicle Application	Murugesan M	EEE	Design and Implementation of Modified Multilevel Inverter FED BLDC Motor for Electric Vehicle Application
40	Unravelling the Gait and Balance: A Novel Approach for Detecting depression in young healthy individuals	Manikandan S	EEE	Unravelling the Gait and Balance: A Novel Approach for Detecting depression in young healthy individuals
41	Machine learning enabled optimization techniques for exploring the mechanical properties of stir cast AA6061	Santhiya T	EEE	Machine learning enabled optimization techniques for exploring the

				mechanical properties of stir cast AA6061
42	Fuzzy enhanced location aware secure multicast routing protocol for balancing energy and security in wireless sensor network	D.Bhanu, R.Santhosh	IT	Fuzzy enhanced location aware secure multicast routing protocol for balancing energy and security in wireless sensor network
43	Healthcare Monitoring using Machine Learning Based Data Analytics	S.R.Janani, R. Subramanian, S. Karthik, C. Vimalarani	IT	Healthcare Monitoring using Machine Learning Based Data Analytics
44	Deep Learning Algorithms in Mobile Edge with Real-Time Abnormal Event Detection for 5G-IoT Devices	J. Praveenchandar, S. Vinoth Kumar, A. Christopher Paul, M. A Mukunthan, K. Maharajan	IT	Deep Learning Algorithms in Mobile Edge with Real-Time Abnormal Event Detection for 5G-IoT Devices
45	A Collaborative and adaptive cyber defence strategic assessment for healthcare networks using edge computing	K.Baranitharan, Dineshbabu V,Robert Concepcion Lazaro, Balamanigandan R,K.Selvakumara samy, Mahaveerakannan R, Mohammed Wasim Bhatt	IT	A Collaborative and adaptive cyber defence strategic assessment for healthcare networks using edge computing
46	A Review and Challenges of Leaf Disease Prediction Using Machine Learning and Deep Learning Approach	Ms.Saranya K., Ms. Revathi S., Thenmozhi T.,Mr.Santhosh J., Ms. Meenalochini. M.,Indhumathi S.	IT	A Review and Challenges of Leaf Disease Prediction Using Machine Learning and Deep Learning Approach
47	Static, Dynamic Mechanical and Thermal Characteristics of Luffa, Morinda tinctoria, and Myrobalan Reinforced Epoxy Hybrid Biocomposites	S. Sathees Kumar, V. Mugesh Raja, S. Sudhagar, G. Kanagaraj, V. Vignesh & P.	Mech	Static, Dynamic Mechanical and Thermal Characteristics of Luffa, Morinda

		Manimaran		tinctoria, and Myrobalan Reinforced Epoxy Hybrid Biocomposites
48	Investigation of Mechanical and Morphological analysis of natural fiber hybrid composites	M. K. Marichelvam, K. Kandakodeeswara n & P. Manimaran	Mech	Investigation of Mechanical and Morphological analysis of natural fiber hybrid composites
49	Cellulosic fiber extraction and characterization from derris scandens (Roxb.) benth root for polymer composite reinforcements	M. Prithiviraj, Rathinavel Subbiah, P. Manimaran & K. Kannan	Mech	Cellulosic fiber extraction and characterization from derris scandens (Roxb.) benth root for polymer composite reinforcements
50	Characterization of New Natural Cellulosic Fiber from the Bark of Artocarpus Altilis Plant	Senthilraja R,Sarala R &Manimaran P	Mech	Characterization of New Natural Cellulosic Fiber from the Bark of Artocarpus Altilis Plant
51	Influence of nickel on the microstructural evolution and mechanical properties of LM6-Alloy based functionally graded composite tubes.	Saiyathibrahim, A., Santhosh, S., Kumar, G. R., & Kumar, S. B.	Mech	Influence of nickel on the microstructural evolution and mechanical properties of LM6-Alloy based functionally graded composite tubes.
52	A Comparative study on Annealing and phase transition effect in SS 304 and SSLNA from low Nickel Austenite to Martensite.	R. Vivek, R. Ram eshbabu , V.D. Tamilarasan , P. Arunachalam, A. Vivek Anand	Mech	A Comparative study on Annealing and phase transition effect in SS 304 and SSLNA from low Nickel Austenite to Martensite.
53	Analyzing the characteristics of magnesium based composites for biomedical applications.	Venkatesh R, Kanagasabapath	Mech	Analyzing the characteristics of magnesium based composites for biomedical

				applications.
54	Electrochemical micromaching of hybrid Graphene/silicon nitride reinforced magnesium composite through Integrated Entropy-COPRAS approach.	V. Preethi , V. Kavimani , P.M. Gopal.	Mech	Electrochemical micromachining of hybrid Graphene/silicon nitride reinforced magnesium composite through Integrated Entropy-COPRAS approach.
55	On $\alpha g^{\#}\Psi\mu^{*}$ - closed sets and $\alpha g^{\#}\Psi\mu^{*}$-continuous in hereditary generalized topological spaces	T. Nandhini M. Vigneshwaran	S&H	On $\alpha g^{\#}\Psi\mu^{*}$ - closed sets and $\alpha g^{\#}\Psi\mu^{*}$-continuous in hereditary generalized topological spaces
56	Convergence and stability analysis on the rotating hybrid flow of Cu-Fe_2O_3/water	Kyubok Ahn S. Suganya M. Muthtamilselvan	S&H	Convergence and stability analysis on the rotating hybrid flow of Cu-Fe_2O_3/water
57	Nickel-manganese bimetallic Selenide as an electrode for supercapcitor applications	S. Saranya, S. Dhanapandian S. Suthakaran Sankaranarayanan Nagarajan, N. Krishnakumar, S. Dinesh	S&H	Nickel-manganese bimetallic Selenide as an electrode for supercapcitor applications
58	Hydrothermally developed SnO_2 nanoparticles and its photocatalytic degradation of Alizarin red S, Brilliant green and Methyl orange dyes and electrochemical performances.&quot	Padmaja, B., S. Dhanapandian, S. Suthakaran, K. Ashokkumar, N. Krishnakumar	S&H	Hydrothermally developed SnO_2 nanoparticles and its photocatalytic degradation of Alizarin red S, Brilliant green and Methyl orange dyes and electrochemical performances.&quot
59	A baseline study of temporal and spatial variations of physic-chemical variables in Vellar estuary Parangipettai southeast of	Suthagar Govindaraj*, Saravanakumar Ayyapan*,	S&H	A baseline study of temporal and spatial variations of physic-chemical variables in

	India	Poornima Durai, Priyanka Kandasamy, Loganathan Guganathan, Madhappan Santhamoorthy, Anbazhagan Murugan, Selvakumar Suthakaran, Subbarayan Sathiyamurthy		Vellar estuary Parangipettai southeast of India
60	Potential application of Ce doped NiO green synthesised from husk of Cocos nucifera in various types of DSSCs	K Inbarajan, S Sowmya, B Janarthanan	S&H	Potential application of Ce doped NiO green synthesised from husk of Cocos nucifera in various types of DSSCs
61	Fabrication of Dye-sensitized Solar Cells with the dyeing industrial effluent	K Inbarajan, S Sowmya, B Janarthanan	S&H	Fabrication of Dye-sensitized Solar Cells with the dyeing industrial effluent
62	Detection and Classification of Melanoma Skin Cancer Using	Chandran Kaushik Viknesh, Palanisamy Nirmal Kumar, Ramasamy Seetharaman and Devasahayam Anitha	S&H	Detection and Classification of Melanoma Skin Cancer Using
63	The Representation of Gender and Sexuality In Contemporary English Literature	Dr. D. Abinaya, Dr. Pnnuru Mahesh, Dr. J. Ahamed Meeran, Dr. V.V. Subba Rao, Mr. Punit Pathak	S&H	The Representation of Gender and Sexuality In Contemporary English Literature
64	The Subtle Substitution of Robots for Humans in Isaac Asimov's I Robot	C. Chellapandi, Dr. G. Vinothkumar	S&H	The Subtle Substitution of Robots for Humans in Isaac Asimov's I Robot

	2022			
1	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)
2	Thermal analysis of Alzheimer's disease prediction using random forest classification model	Parameswari, A. Kumar, K.V. Gopinath, S.	ECE	Materials today proceedings
3	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
4	IoT based Air Pollution Tracking System in Vehicles using Raspberry Pi-3	Dr.N.Suma, Dr.C.Vimalarani, Dr.N.Shanmuga Vadivu, Dr.M.Shanmugas undaram	ECE	Natural Volatiles & Essential Oils
5	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.Shenbagharama n, Reena Malik, P.Nagarjuna, Shikha Kuchhal	ECE	IEEE Xplore
6	A Critical Review Analysis of the Opportunities and Potential of Implementing Cloud Computing System for Large Scale Ad Hoc Network	Gowtham M S, A.Shenbagharama n, B.Shanmugapriya Sateesh Nagavarapu, Antonyuk Olga	ECE	IEEE Xplore
7	Implementation of a High-Speed and High-Throughput Advanced Encryption	T. Manoj Kumar, P. Karthigaikumar	ECE	Intelligent Automation & Soft Computing
8	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

9	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)
10	Oscillation of Second Order nonlinear Neutral Difference Equations	S.Sindhuja, J. Daphy Louis Lovenia, A.P.Lavanya	Mathematics	Mathematical Statistician and Engineering
11	Review and Evaluation of Power Devices and Semiconductor Materials Based on Si, SiC, and Ga-N	M. Siva Ramkumar, R. Priya, R. Felshiya Rajakumari, Prajoona Valsalan, M. Kalyan Chakravarthi, G. Charlyn Pushpa Latha, S. Mathupriya, Kavitha Rajan	EEE	Journal of Nanomaterials
12	Machine Learning Algorithm for Soil Analysis and Classification of Micronutrients in IoT-Enabled Automated Farms	T. Blesslin Sheeba, L. D. Vijay Anand , Gunaselvi Manohar, Saravana Selvan , C. Bazil Wilfred, K. Muthukumar, S. Padmavathy, P. Ramesh Kumar,8 Belete Tessema Asfaw	EEE	Journal of Nanomaterials
13	Iterative Dichotomiser Posteriori Method Based Service Attack Detection in Cloud Computing	B. Dhiyanesh, K. Karthick, R. Radha, Anita Venaik	EEE	Tech Science Press - Computer Systems Science & Engineering
14	investigation of mechanical and dynamic mechanical properties of novel Acacia arabica fibre polyester hybrid composites	P.Manimaran	Mech	Polymer Composites

15	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
16	Effect of green hybrid fillers loading on mechanical and thermal properties of vinyl ester composites	P.Manimaran	Mech	Polymer Composites
17	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	AI	Hindawi - Wireless Communications and Mobile Computing
18	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	AI	Hindawi - Wireless Communications and Mobile Computing
2021				
1	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
2	Automated Deep Learning Based Cardiovascular Disease Diagnosis Using ECG Signals	S. Karthik, M. Santhosh , M. S. Kavitha A. Christopher Paul	IT	Tech Science Press
3	An Analysis on Video Steganography Techniques	Ms. J. Mary Jenifer, Ms.A.Mahalakshmi	IT	Journal of Emerging Technologies and Innovative Research
4	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	IT	Nat. Volatiles & Essent. Oils,

5	Fuzzy Logic Based DSR Trust Estimation Routing Protocol for MANET Using Evolutionary Algorithms	Eswaramoorthy Vellingiri*, Vinoth Kumar Kalimuthu, Gopinath Samydurai	ECE	Technical Gazette
6	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
7	An Effective Software Based Method to Analyze SCA Countermeasures for Advanced Encryption Standard	T. Manoj Kumar*, P. Karthigaikumar	ECE	Wireless Personal Communications
8	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
9	Mass diffussion 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
10	Analysis of reliability based on thermal cycle and aging effect in electron devices	R.Seetharaman, D. Anitha	Chemistry	Pramana – J. Phys.
11	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

12	Biosorptive removal of Nickel(II) from aqueous solution by Mangosteen shell activated carbon	D. Anitha,A.Ramade vi R.Seetharaman	Chemistry	Materials Today: Proceedings
13	Activated Mangosteen shell in removal of mercury ion from aqueous solution	D. Anitha,A.Ramade vi R.Seetharaman	Chemistry	Materials Today: Proceedings
14	A comprehensive review on performance and machinability of plant fiber polymer composites.	P.Manimaran	Mech	Polymer Composites
15	Physico-Chemical Properties of Fiber Extracted from the Flower of Celosia Argentea Plant	P.Manimaran	Mech	Journal of Natural Fibres
16	Landmine Detection Using Drone	S.Gayathri, S.Pragadeswaran	ECE	International Journal of Advanced Engineering Science and Information Technology (IJAESIT)
17	Wireless Sensor Networks SecurityIssues, Security Needs and Different Types of Attacks Based on Layers: A Survey	S.Pragadeswaran, S.Gayathri, Dr.S.Gopinath, R.Felshiya Rajakumari	ECE	International Journal of Advanced Engineering Science and Information Technology (IJAESIT)
18	Assessment Work on Blue Brain Technology	S.Gopinath, S.Pragadeswaran, R.Felshiya Rajakumari, S.Gayathri	ECE	International Journal of Advanced Engineering Science and Information Technology (IJAESIT)
19	Cluster based Optimal Energy Efficient Routing Protocol for Wireless Sensor Networks	S. Gopinath, K.B. Gurumoorthy, S. Lakshmi Narayanan, M. Kasiselvanathan, S.Pragadeswaran	ECE	Gestao, Inovaco e Tecnologias (GEINTEC)
20	Security Analysis in Wireless Sensor Networks: Challenges, Threats and Security Issues	S. Pragadeswaran, S. Gopinath, S. Keerthivasan, R. Premkumar, M. Vinoth	ECE	International Journal for Research in Applied Science & Engineering Technology

			(IJRASET)
21	Certain Investigations on Military Applications of Wireless Sensor Networks	Mr. S. Pragadeswaran, Ms. S. Madhumitha and Dr. S. Gopinath	ECE	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
22	Activated Mangosteen shell in removal of mercury ion from aqueous solution	D.Anitha, A.Ramadevi, R.Seetharaman	Chemistry	Materials Today: Proceedings
23	Analysis of reliability based on thermal cycle and aging effect in electron devices	R Seetharaman and D Anitha	Chemistry	Pramana - Journal of Physics
24	Biosorptive removal of Nickel(II) from aqueous solution by Mangosteen shell activated carbon	D.Anitha, A.Ramadevi, R.Seetharaman	Chemistry	Materials Today: Proceedings
25	Design and control of novel multilevel bi directional grid connected inverter	D.Navin Sam M.Nagarajan Santhosh Anandan R.Radha	EEE	International Journal of Electrical and Electronics Engineering
26	Wireless Sensor Networks, Security Issues, Security Needs and Different Types of Attacks based on Layers: A Survey	S.Pragadeswaran, S.Gayathri, S.Gopinath, R.Felshiya Rajakumari	ECE	International Journal of Advanced Engineering Science and Information Technology
27	Assessment Work on Blue Brain Technology	S.Gopinath S.Pragadeswaran R.Felshiya Rajakumari S.Gayathri	ECE	International Journal of Advanced Engineering Science and Information Technology
28	Subversive Power Cable Fault Credential via GSM and GPS Module for Green Energy	G.Ravivarman A.Amudha T.Vandarkuzhali M.Siva Ramkumar R.Felshiya Rajakumari	EEE	Journal of Green Engineering

29	Fine grained sentimental analysis of social network chat using R	J K Kiruthika, A P Janani, T.Yawanikha, M.Sudha	IT	IOPscience:Journal of Physics
30	Fuzzy based Fault Tolerant Routing Protocol for Node Reliability in MANET	S Pragadeswaran, N Suma, S Madhumitha, S Gopinath	ECE	Annals of the Romanian Society for Cell Biology
31	Modified Mangosteen shell carbon in the removal of Pb (II) and Hg (II) from aqueous solution – isotherm and kinetic studies	Anitha D. and Ramadevi A.	Chemistry	Global NEST Journal
32	Performance evaluation of free space optical link driven by gain switched temperature dependent quantum cascade lasers	S Gopinath, P Ashok, M Ganesh Madhan	ECE	Laser Physics Letters
33	SCEER: Secure cluster based efficient energy routing scheme for wireless sensor networks	S. Gopinath, K Vinoth Kumar, P Elayaraja, A Parameswari, S Balakrishnan, M Thiruppathi	ECE	Materials Today Proceedings

17.2 MoU's with Industries

Sl. No.	Name of the institution/ industry/ corporate house with whom MoU is signed
1	Caliber Embedded Technologies, Coimbatore
2	Elysium Academy, Coimbatore
3	Gateway Software Solutions - Delivery partner of HP Enterprise, Coimbatore.
4	Object Automation Software Solutions Pvt Ltd, Chennai
5	Sekar Engineering Works
6	Greenstan Technologies, Madurai
7	Prime Tech Instruments, Chennai
8	Profeena Technologies, Coimbatore
9	Novitech R&D Private Limited, Coimbatore
10	Blue Sky Hose Manufacturing India Pvt Ltd, Coimbatore
11	Rabwin Industries Pvt Ltd, Coimbatore
12	Max CADD, Coimbatore

13	Hyagrivas Technologies, Coimbatore
14	Illuminen Technology Pvt. Ltd.
15	Industrial Electronics Corporation, Madurai
16	lnfosys Limited, Bangalore
17	MAS solar systems private limited
18	New Technology Mobile Phone Service Pvt. Ltd.
19	Pantech ProEd Pvt Ltd., Coimbatore
20	Prolific Systems and Technologies Pvt. Ltd, Coimbatore
21	Repute Digital Business Agency, Coimbatore
22	Sri Sabari Industries
23	Sun Info Media, Coimbatore
24	Techvolt Software Pvt Ltd, Coimbatore
25	Thick India Pvt. Ltd., Coimbatore
26	Times Institute of Management and Technical studies, Chennai.
27	Vlands Best Hub Pvt. Ltd.
28	Waxwing Automation Systems, Sivakasi

18.1 LoA and Subsequent EoA till the current Academic Year

Academic Year 2023 – 24

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 2023-24

Extension of Approval (EoA)

F.No. Southern/1-36500703242/2023/EOA

Date: 02-Jun-2023

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 2023-24

Ref: Online application of the Institution submitted for Extension of Approval for the Academic Year 2023-24

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education) Regulations, 2020 notified on 4th February 2020 and amended on 24th February 2021 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	1-36500703242
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 2023-24

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2022-23	Intake Approved for 2023-24	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	120	NA	NA

Application No:1-36500703242
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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 1 of 4

Letter Printed On:5 June 2023

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2022-23	Intake Approved for 2023-24	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	180	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 2023-24 (Appendix 6)

Application No:1-36500703242
Note: This is a Computer generated Report. No signature is required.
Printed By : ae6523881

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page **2** of **4**

Letter Printed On:5 June 2023

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 2023-24 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 Committee (IC), 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.

5. As per the AICTE Notification dated 29.01.2014 and amended thereto, it shall be mandatory for each Technical Education Institution, University Department and Institution Deemed to be University imparting Technical Education to get accreditation (NBA) for at least 60% of the eligible courses in the next ONE (1) Years' time, otherwise EoA for the subsequent Academic Year (A.Y. 2024-25) shall not be issued by the Council.

6. 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. **Guard File(AICTE)**

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

Application No:1-36500703242   ALL INDIA COUNCIL FOR TECHNICAL EDUCATION   Page 3 of 4
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Printed By : ae6523881   Letter Printed On:5 June 2023

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,COIMBATO RE,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
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
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.
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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
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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 2 of 3

Letter Printed On:9 July 2022

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

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 Indian 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-Post,
Coimbatore-641 105.

Academic Year 2021 – 22

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
Note: This is a Computer generated Report. No signature is required.
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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
PRINCIPAL 4/1/2023
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road. Bodipalayam-Post,
Coimbatore- 641 105.

Page 1 of 3
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

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

Application No:1-9317613598
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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 2 of 3

Letter Printed On:15 July 2021

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-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/1-7015898826/2020/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/AICTE/REG/2020 dated 4th 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	1-7015898826
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,COIMBATO 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	Affiliating Body (University /Body)	Intake Approved for 2019-20	Intake Approved for 2020-21	NRI Approval Status	PIO / 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

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

Application No:1-7015898826
Note: This is a Computer generated Report. No signature is required.
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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Page 1 of 3
Letter Printed On:17 June 2020

ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIO NS 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.Rajive Kumar
Member Secretary, AICTE

Copy to:
1. The Director Of Technical Education**, Tamil Nadu

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

Application No:1-7015898826
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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Page 2 of 3
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,
   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.

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

Application No:1-7015898826
Note: This is a Computer generated Report. No signature is required.
Printed By : ae6523881

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 3 of 3

Letter Printed On:17 June 2020

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	1-8932081	Application Id	1-4267015703
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 BODIPALAYAM POST COIMBATORE - 641 105 TAMILNADU, MADUKKARAI, COIMBATORE, Tamil Nadu, 641105	Society/Trust Address	14A, LIC COLONY, SIDCO,COIMBATORE,COIMBATORE,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	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2019-20	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	COMPUTER SCIENCE AND	FT	Anna University, Chennai	60	NA	NA

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

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

Page 1 of 3

Letter Printed On:2 May 2019

			ENGINEERING					
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	ELECTRICAL AND ELECTRONICS ENGINEERING	FT	Anna University, Chennai	60	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	ELECTRONICS AND COMMUNICATIO NS ENGINEERING	FT	Anna University, Chennai	120	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	INFORMATION TECHNOLOGY	FT	Anna University, Chennai	60	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	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 9(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
   Seerapalayam Village
   Bodipalayam Post
   Coimbatore - 641 105
   Tamilnadu,
   Madukkarai,Coimbatore,
   Tamil Nadu,641105

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

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

Page 2 of 3

Letter Printed On:2 May 2019

4. **The Secretary / Chairman,**
    Karpagam Charitable Trust
    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.

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

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

Page 3 of 3

Letter Printed On:2 May 2019

Academic Year 2018-19

APPROVAL PROCESS 2018-19

Extension of Approval (EoA)

F.No. Southern/1-3512684091/2018/EOA

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	1-8932081	Application Id	1-3512684091
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,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	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/Body)	Intake Approved for 2018-19	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status	Foreign Collaboration /Twining 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

Application No:1-3512684091
Note: This is a Computer generated Report. No signature is required.
Printed By : ae6523881

P. Manim
PRINCIPAL 41|12023
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Post,
Coimbatore- 641 105.

Page **1** of 2

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 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.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:
1. The Regional Officer,
    All India Council for Technical Education
    Shastri 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. 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:1-3512684091
Note: This is a Computer generated Report. No signature is required.
Printed By : ae6523881

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

Page 2 of 2
Letter Printed On:25 April 2018

Academic Year 2017-18

All India Council for Technical Education

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

Nelson Mandela MargVasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-3324570088/2017/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/AICTE/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	1-8932081	Application Id	1-3324570088
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	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
Name of the Society/Trust	KARPAGAM CHARITABLE TRUST	Society/Trust Address	14A, LIC COLONY, SIDCO,COIMBATORE,COIMBATORE,Tamil Nadu,641021
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 site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site 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-a-versa) Approved	Not Applicable

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

Application Id: 1-3324570088			Course	Full/Part Time	Affiliating Body	Intake Approved for 2016-17	Intake Approved for 2017-18	NRI Approval status	PIO / FN / Gulf quota/ OCI/ Approval status	Foreign Collaborarion/Twining Program Approval status
Program	Shift	Level								
ENGINEERIN	1st Shift	UND ER	COMPUTER SCIENCE AND	FULL TIME	Anna University,	60	60	NA	NA	NA

Application Number: 1-3324570088
Note: This is a Computer generated Report.No signature is required.

Printed By : AE6523881

Page **1** of 3
Letter Printed On:21 April 2017

PRINCIPAL 4/1/2023
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)

Nelson Mandela MargVasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

G AND TECHNOLOGY		GRADUATE	ENGINEERING		Chennai					
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	120	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

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 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. A.P Mittal
Member Secretary, AICTE

Copy to:
1. **The Regional Officer,**
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu

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

Application Number: 1-3324570088
Note: This is a Computer generated Report.No signature is required.

Page **2** of **3**
Letter Printed On:21 April 2017

Printed By : AE6523881

All India Council for Technical Education

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

Nelson Mandela MargVasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

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. **Guard File(AICTE)**

Note: ** - Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.

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

Application Number: 1-3324570088
Note: This is a Computer generated Report.No signature is required.

Page **3** of **3**
Letter Printed On:21 April 2017

Printed By : AE6523881

Academic Year 2016-17

F.No. Southern/1-2811107367/2016/EOA

Date: 30-Apr-2016

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 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

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	1-2811107367
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	Permanent Id	1-8932081
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
Institute Type	Unaided - Private	Society/Trust Address	14A, LIC COLONY, SIDCO,COIMBATORE,COIMBATORE,Tamil Nadu,641021

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	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 2016-17

Application Id: 1-2811107367			Course		Affiliating Body		Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaborarice/Twining Program Approval status
Program	Shift	Level		Full/Part Time							
ENGINEERIN	1st Shift	UND ER	COMPUTER SCIENCE AND	FULL TIME	Anna University,		60	60	NA	NA	NA

Application Number: 1-2811107367
Note: This is a Computer generated Report.No signature is required.

Printed By : ae6523881

Page 1 of 3
Letter Printed On:3 May 2016

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

G AND TECHNOLOGY		GRADUATE	ENGINEERING		Chennai					
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

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 00)	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. Manim

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

Page 2 of 3
Letter Printed On:3 May 2016

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.

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
   Shastri 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. **Guard File(AICTE)**

Application Number: 1-2811107367
Note: This is a Computer generated Report.No signature is required.
Printed By : ae6523881

Page 3 of 3
Letter Printed On:3 May 2016

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

Academic Year 2015-16

F.No. Southern/1-2456264368/2015/EOA

Date: 07-Apr-2015

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 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/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	1-2456264368
		Permanent Id	1-8932081
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	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
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 2015-16

Application Number: 1-2456264368*

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

Printed By : ae6523881

Page 1 of 4

Letter Printed On:11 April 2015

PRINCIPAL 14/12/2021.
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: 011-23724183 www.aicte-India.org

Application Id: 1-2456264368			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
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 1-2156264368*

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 : ae6523881

PRINCIPAL 14/12/2021.
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: 011-23724183 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
    Shastri 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 INSTITUTE OF TECHNOLOGY
    L&T BYPASS ROAD,SEERAPALAYAM VILLAGE,BODIPALAYAM POST,COIMBATORE,
    COIMBATORE,COIMBATORE,
    Tamil Nadu,641105

6. **Guard File(AICTE)**

Application Number: 1-2456264368*

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

Letter Printed On:11 April 2015

Printed By : ae6523881

P. Manimal 14/12/2021
PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-Pos.
Coimbatore- 641 105.

Application Number: 1 2156261368*

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

Letter Printed On:11 April 2015

Printed By : ae6523881

PRINCIPAL 14/12/2021.
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam-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. Southern/1-2017234124/2014/EOA

Date: 04-Jun-2014

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 2014-15

Ref: 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	Southern	Application Id	1-2017234124
		Permanent Id	1-8932081
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	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
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

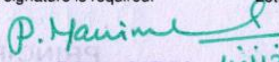to conduct following courses with the intake indicated below for the academic year 2014-15

Application Number: 1-2017234124*

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

Printed By : AE6523881

Page 1 of 4

Letter Printed On:6 June 2014

PRINCIPAL 14/12/2024.
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: 011-23724183 www.aicte-India.org

Application Id: 1-2017234124			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	AERONAUTICAL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	ELECTRONICS AND COMMUNICATION S ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	N
MANAGEMEN T	1st Shift	POST GRADUA TE	BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	120	120	NA	NA	N
MCA	1st Shift	POST GRADUA TE	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 : AE6523881

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

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 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
    Shastri 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 INSTITUTE OF TECHNOLOGY
    L&T BYPASS ROAD,SEERAPALAYAM VILLAGE,BODIPALAYAM POST,COIMBATORE,
    COIMBATORE,COIMBATORE,

Application Number : 1-2017234124*

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

Printed By : AE6523881

Page 3 of 4

Letter Printed On:6 June 2014

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

Tamil Nadu,641105

6. Guard File(AICTE)

Application Number: 1-2017234124*

Letter Printed On:6 June 2014

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

Printed By: AE6523881

PRINCIPAL 14/12/2024 .
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodinalayam-Post.

Academic Year 2013-14

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	1-8932081
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	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
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 2013-14

Application Number: 1-1455632642*

Page 1 of 3

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

Letter Printed On:20 March 2013.

Printed By : ae6523881

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

Application Id: 1-1455632642			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake Approved for 13-14	NRI	PIO	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 /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

Application Number: 1-1455632642*

Note: This is a Computer generated Extension of Approval Letter. No signature is required.   Letter Printed On:20 March 2013.

Printed By : ae6523881

PRINCIPAL 14/12/2021 .
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: 011-23724183 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
   Shastri 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 INSTITUTE OF TECHNOLOGY
   L&T BYPASS ROAD,SEERAPALAYAM VILLAGE,BODIPALAYAM POST,COIMBATORE,
   COIMBATORE,COIMBATORE,
   Tamil Nadu,641105

6. Guard File(AICTE)

Application Number: 1-1455632642*

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 : ae6523881

P. Manime
PRINCIPAL 15/12/2021.
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam Po

Academic Year 2012-13

F.No. Southern/1-706052691/2012/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/Legal2010 dated 10/12/2010 and amendment vide notification number F-No.37-3/Legal2011 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	1-706052691
		Permanent Id	1-6932081
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	Institute Address	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
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 2012-13

Application Number: 1-706052691   Page 1 of 4

Note: This is a Computer generated Extension of Approval Letter. No signature is required.   Letter Printed On:16 May 2012

Printed By : AE6923881

PRINCIPAL 14/12/2021
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, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id 1: 708852891			Course	Full/Part Time	Affiliating Body	Intake 2011-12	Intake Approved for 12-13	NRI 1-9	PIO	Foreign Collaboration
Program	Shi ft	Lev el								
ENGINE ERING AND TECHNO LOGY	1st Shi ft	UN DE R GR AD UA TE	AER ONA UTIC AL ENGI NEE RIN G	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINE ERING AND TECHNO LOGY	1st Shi ft	UN DE R GR AD UA TE	COM PUT ER SCIE NCE AND ENG INEE RIN G	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINE ERING AND TECHNO LOGY	1st Shi ft	UN DE R GR AD UA TE	ELE CTRI CAL AND ELE CTR ONI CS ENG INEE RIN G	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINE ERING AND TECHNO LOGY	1st Shi ft	UN DE R OR AD UA TE	ELE CTR ONI CS AND COM MUN ICAT ION S ENG INEE RIN G	FULL TIME	Anna University, Coimbatore	120	180	No	No	No
ENGINE ERING AND TECHNO LOGY	1st Shi ft	UN DE R GR AD UA TE	INFO RMA TION TEC HNO LOG Y	FULL TIME	Anna University, Coimbatore	60	60	No	No	No

Application Number: 1-708852891*

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

Letter Printed On: 05 May 2012

Printed By: A58523891

P. Manin

PRINCIPAL 14/12/2024
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: 011-23724183 www.aicte-India.org

Application ID: 1-706052801			Cou rse		Affiliating Body	Intake 2011-12	Intake Approved for 12-13	NRI	PIO	Foreign Collaboration
Program	Shi ft	Lev el		Full/Part Time						
ENGINE ERING AND TECHNO LOGY	1st Shi ft	UN DE R GR AD UA TE	MEC HANI CAL ENG INEE RIN G	FULL TIME	Anna University, Coimbatore	60	120	No	No	No
MANAG EMENT	1st Shi ft	PO ST GR AD UA TE	BUSI NES S ADM INIS TRA TION	FULL TIME	Anna University, Coimbatore	120	120	No	No	No
MCA	1st Shi ft	PO ST GR AD UA TE	MAS TER S IN COM PUT ER APP LICA TION S	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 by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approved 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. K P Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education

Application Number: 1-706052801*

Page 3 of 4

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

Letter Printed On:18 May 2012

Printed By : AD0523881

P. Manian
PRINCIPAL, 19/12/2021.
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, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Shastri Bhawan 26, 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: 1-790052891*

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: AE8523861

PRINCIPAL 19/11/2021.
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodipalayam Post

Academic Year 2011-12

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. Southern/1-401619482/2011/EOA   Date: 01-09-2011

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 2011-12.
Ref :   Application of the Institution for Extension of Approval for the Year 2011-12

Sir/Madam,

In terms of the Regulations notified by the Council vide F.No. 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

Regional Office	Southern	Application Id	1-401619482
		Permanent Id	1-6932081
Name of the Institute	KARPAGAM INSTITUTE OF TECHNOLOGY	Institute Address	KARPAGAM INSTITUTE OF TECHNOLOGY S.F.NO.247,248, L&T BYPASS ROAD SEERAPALAYAM VILLAGE BODIPALAYAM POST COIMBATORE - 641 105 TAMIL NADU,COIMBATORE,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		

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

Application Id: 1-401619482			Course	Full/Part Time	Affiliating Body	Intake 2010-11	Intake Approval for 11-12	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AERONAUTICAL ENGINEERING	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Coimbatore	60	60	No	No	No

Application Number: 1-401619482   Page 1 of 3

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

PRINCIPAL   Date of printing: 21-09-2011
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, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-421619482			Course	Full Part Time	Affiliating Body	Intake 2010-11	Intake Approved for 11-12	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRAD UATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRAD UATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	FULL TIME	Anna University, Coimbatore	60	120	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRAD UATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRAD UATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Coimbatore	60	60	No	No	No
MANAGEMENT	1st Shift	POST GRAD UATE	BUSINESS ADMINISTRATION	FULL TIME	Anna University, Coimbatore	60	120	No	No	No
MCA	1st Shift	POST GRAD UATE	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 : 1-421619482

Page 1 of 3

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

PRINCIPAL 14/11/2011 Processing 21-09-2011
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, 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. 37-3/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. K P Isaac)

Member Secretary, AICTE

Copy to:

1. The Regional Officer,
    All India Council for Technical Education
    Shastri Bhawan 26, 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 1-401610482

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

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

Page 3 of 3
Date of printing 21-09-2011

Academic Year 2010-11

No. : Southern Region/1-8932081/2010/EOA

August 23, 2010

To
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 2010-11

Sir,

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 TECHNOLOGYS.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 & COMMN. 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 TECHNOLOGYS.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.

PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY
L&T Bypass Road, Bodinalayam-Pos
Coimbatore
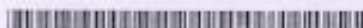
Anti Ragging : The approval is subject to the Institutions strictly complying with all the provisions made under the Anti ragging regulation notified by council vide F No. 37/Legal/AICTE/2009 dated 1.7.2009 failing which, it will be liable to any action defined under clause 9(4) of this regulation.

Yours faithfully,

Dr. S. G. Bhirud
Director

Copy to:

1. The Regional Office, Southern Region, Tamil Nadu
2. The Director of Technical Education, Govt. of Delhi
3. Guard File (AICTE)
4. The Registrar, Affiliating University
5. The Principal / Director,
KARPAGAM INSTITUTE OF TECHNOLOGY, KARPAGAM INSTITUTE OF TECHNOLOGY, KARPAGAM INSTITUTE OF TECHNOLOGY, F NO 247,248 L&T BYPASS ROADSSERAPALAYAM VILLAGEBODIPALAYAM POSTCOIMBATORE, 641105, TAMILNADU, COIMBATORE, TAMIL NADU, PIN 641 105

P. Manine

PRINCIPAL 14/12/2024

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

Academic Year 2009-10

REGION: SOUTHERN

State: Tamil Nadu

Institution	Courses	Intake	Intake
KAMRAJ COLLEGE OF ENGINEERING & TECHNOLOGY S.P.G. CHIDAMBARA 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. Arulmozhi Phone No: 04549 - 278791, 171, 174 Fax No: 04562-244978 E-mail: kcet@md5.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 60 30 45 18 18 00 471	60 120 60 60 60 60 60 60 45 18 18 60 621
KANCHI PALLAVAN ENGINEERING COLLEGE, KOLIVAKKAM, IYYENGARKULAM POST, KANCHEEPURAM - 631 502 Year of Est : 2001 File No : 732-52-428(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: 044 - 27242223, 27242191 Fax No: 044-27242191 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
KARPAGA VINAYAGA COLLEGE OF ENGG. & TECH, G.S.T. ROAD, CHINNA KOLLAMBAKKAM PALAYANOOR (PO), MADURANTHAGAM (TK), KANCHIPURAM- 603 308 TAMILNADU Year of Est : 2001 File No : 732-52-382(E)/ET/2001 Univ : Anna University, Chennai Type : PVT Principal : Prof. T. Rangaraju Phd : Non Ph.D Phone No: 044 - 27565486.	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
KARPAGAM COLLEGE OF ENGINEERING SF NO. 758,759,760 OTTHAKALMANDAPAM 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	120 120 120 170 120 18 60 60 18 00 756	120 120 120 120 120 18 90 90 18 60 876
KARPAGAM INSTITUTE OF TECHNOLOGY, SIRUPALAYAM VILLAGE, L&T, BP ROAD, COIMBATORE 641 021 Year of Est : 2007 File No : 06/06/TN/E&T/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 00 00 360	60 60 60 60 60 60 60 60 480

Note:
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.

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

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

Academic Year 2008-09

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(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.

Sub: AICTE Approval for extension/ increase / Variation in intake / introduction of additional courses to KARPAGAM INSTITUTE OF TECHNOLOGY, SRIPALAYAM VILLAGE, L&T, BP ROAD, COIMBATORE 641 021 for the year 2008-09 reg.

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, SRIPALAYAM VILLAGE, L&T, BP ROAD, COIMBATORE 641 021 is as under.
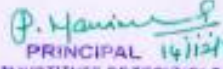
Sr	Name of the Course (s)	Existing Intake 2008-09	Revised Intake* 2008-09	Period of Approval
	COMPUTER SCIENCE & ENGG.	60	60	
	ELECTRONICS & COMM. ENGG.	60	60	
	INFORMATION TECHNOLOGY	60	60	
	MECHANICAL ENGG.	60	60	2008-09
	ELECTRICAL & ELECTRONICS ENGG.	00	60	
	MBA	00	60#	
	Total	**240**	**360**	

Note: * The approval 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 projections 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 area 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 institute 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,

(Prof. Harish C. Rai)
Adviser- UG/PG (E&T)

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

Copy to:

1. KARPAGAM INSTITUTE OF TECHNOLOGY.
   SRIVASAM VILLAGE, L&T BYPASS ROAD, COIMBATORE-641 021

2. The Regional Officer,
   AICTE Southern Regional Office, 26, Haddows Road,
   Shastri Bhavan, Chennai - 600 006

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,

(Prof. Harish C. Raj)
Adviser: UG/PG (E&T)

P. Harish

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

Academic Year 2007-08

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

F. No : 06/05/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.
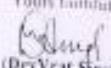
Sub : Extension of Approval to Karpagam Institute of Tech.,Srupalayam Village, L&T, BP Road, Coimbatore, 641 021 for the year 2009-2010—Reg.

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,

(DevVrat Singh)
Adviser (E&T)
19-6-2009

Copy to:

1 The Regional Officer, AICTE
Southern Regional Office, 26, Haddows Road,
Shastri 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 Bureau (UG/PG)

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

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

7वीं तल, चन्दलोक भवन, जनपथ नई दिल्ली- 110001

7th Floor, Chander Lok Building, Janpath, New Delhi-110001

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)

File No. 06/05/TN/E&T/2007/37
22nd October 2007

To,
The Principal Secretary
(Education Department)
Govt. of TAMIL NADU,
Secretariat, Fort St. George.
Chennai-600 009.

Sub: 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.**

Sir,

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. Incase 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
इंदिरा गांधी **KARPAGAM INSTITUTE OF TECHNOLOGY** PRINCIPAL
Indira Gandhi Sp **L&T Bypass Road, Budipalayam Post,** KARPAGAM INSTITUTE OF TECHNOLO
दूरभाष / Phone : 23392506, 63-6 **Coimbatore-641105.** Fax : 01 **L&T Bypass** Road, Budipalayam Post,
वेबसाइट / Website : www.aicte.ernet.in   Coimbatore - 641 105

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.

P. Yau

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

P. Yamin

PRINCIPAL 14/12/202

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

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)
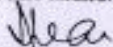Adviser UG/PG(E&T)

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, Haddows Road,
Shastri Bhawan, Chennai - 600 006.

3. Director of Technical Education,
Govt. of TAMIL NADU,
Chennai-600 025.

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)

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

PRINCIPAL
KARPAGAM INSTITUTE OF TECHNOLOGY

20. Best Practices Adopted

1. Career Development Strategies and Placement initiatives

2. Cross functional learning through Club Activities

3. Industry collaborated Laboratories

4. Encouragement to the students for participating in National level project contests like Smart India Hackathon, Toycathon, etc.,

5. Effective Mentor ward System

6. 15:1 Student Faculty Ratio

7. Participation in IIT spoken Tutorial by all the students

8. Participation in MOOC Courses by all the faculty members

9. Awards/Rewards for best faculty performance

10. Green Campus

11. Scholarship for meritorious students