<div align="center">

MANDATORY DISCLOSURE (2022-23)
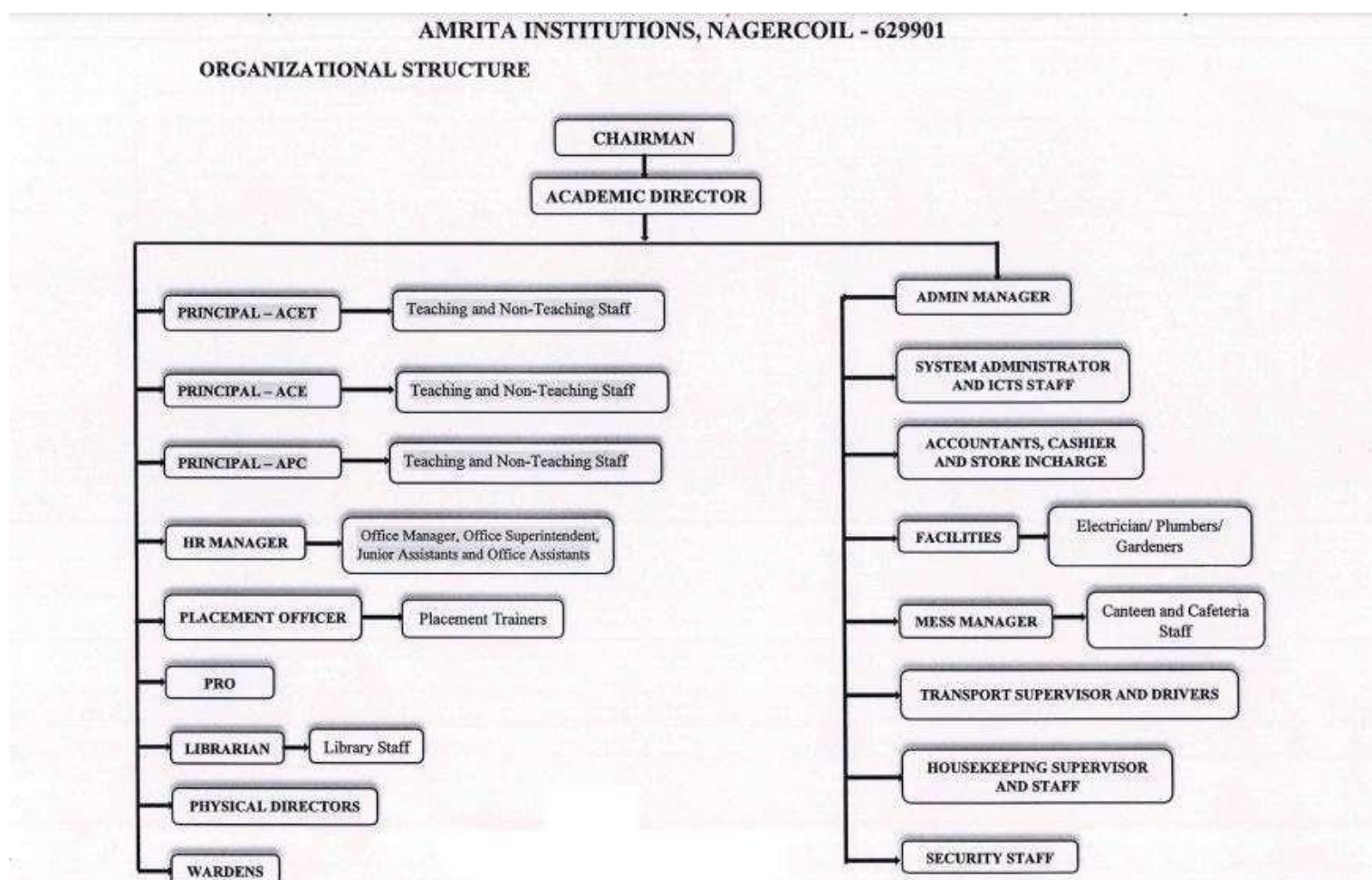
Appendix4

</div>

1	**Name of the institution**	**AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY**	
	Address of the institution	Amritagiri, Erachakulam & Post	
	City & PIN Code	Nagercoil - 629 901	
	State	Tamil Nadu	
	Longitude & Latitude	Latitude - 8, 13, 42, Longitude - 77, 24, 55	
	Phone number	04652 237400	
	Fax Number	04652290466	
	Office Hours at the institution	9:00 AM – 5:00 PM	
	Academic Hours at the institution	9:00 AM – 4:10 PM	
	E mail	principal@amrita.edu.in	
	Web site	https://www.amrita.edu.in	
	Nearest railway station(distance in kms)	Nagercoil Junction (7 Kms)	
	Nearest Airport (distance in Kms)	Thiruvanthapuram (60 Kms)	
2	**Name and address of the Trust/Society/Company and the Trustees**	**Mata Amritanandamayi Math**	
	Type of Organization	Education	
	Address of organization	Amritapuri (PO), Kollam, Kerala, India- 690546	
	Registered with	Charitable Trust	
	Registration date	25-Jan-1988	
	Website of the organization	https://www.amrita.edu.in	
3	**Name and address of the Vice Chancellor/ Principal/ Director**	**Dr. T. KANNAN, M.E., Ph.D.**	
	Exact Designation	Principal	
	Phone number with STD code	04652 269602	
	Fax number with STD code	04652290466	
	E mail	principal@amrita.edu.in	
	Highest degree	Ph.D.	
	Field of specialization	Mechanical Engineering	
4	**Name of the affiliating University**	**Anna University, Chennai**	
5	**Governance**		

- Governing board members

Sl. No.	Name	Position	Qualification	Present Designation /Occupation	E-mail id	Address
1.	Mr. Gopalan G	Members	B.E.-Electrical and Electronics Engineering	Former Telecommunication Officer BSNL	gopusaras @hotmail.com	66B, Kangeyam Main Road, Near I.O.C. Petrol Bunk - Avalpoondurai- 638115 Erode
2.	Dr. Sasangan Ramanathan	Members	Ph.D.-Others-Chemical Engineering	Dean	deanengg@ amrita.edu	Amrita Vishwa Vidyapeetham, Amritanagar, - Ettimadai - 641112 Coimbatore
3.	Dr. Valsalal P	University Nominee	Ph.D.-Electrical and Electronics Engineering	Professor	valsalal@an nauniv.edu	G9, Baid Mehta Complex, New No. 16, Anna Salai - Saidapet - 600015 Chennai
4.	Mr. Ravikumar K	Members	M.Tech.-Others-Electrical Engineering	Former Chairman and Managing Director BHEL	ravikumark 1975@gmail.com	10/12, 4th Street, 3B, Srilakshmi Ramaniyum Apartments, Bhaktavatsalam Nagar - Adayar, 600020 Chennai
5.	Mr. Krishnamurthy TS	Members	OTHERS-MA-Others-Politican Science	Former Chief Election Comissioner of India	krishnamur thysathyad ev@gmail.com	58, Sathyadev Avenue, Opp to Chettinad Vidhyasharam School - MRC Nagar, 600028 Chennai
6.	Mr. Pillai JM	Members	OTHERS-IAS-Others-IAS	Former Chief Secretary Government of Bihar	jmpillaingl @gmail.com	8/68-1, Shanmugha Nagar, Therakalputhoor - Nagercoil, 629901 Kanyakumari
7.	Mr. Raman M	Members	OTHERS-I A S-Others-IAS	Former Secretary to Ministry of Chemical and Fert.	ramanias@ gmail.com	8/68, Kaveri Nagar Kuppam Road, - Kottivakkam, 600041 Chennai
8.	Dr. Mahesh Kumar SV	Members	Ph.D.-Electronics and Communication Engineering	Associate Professor	hodece_ace t@amrita.e du.in	9/57, Eastcar Street - Parakkai, 629601 Kanyakumari
9.	Mr. Ramasubban KS	Chairman	OTHERS-IAS-Others-IAS	Former State Vigilance Comissioner West Bengal	ramamma@ hotmail.com	3A, ISHA Apartment, OMR - Thuraipakkam - 600097 Chennai
10.	Mr. Sw Ramakirshnananadapuri	Members	OTHERS-Others	Treasurer	swamirama krishna@ho tmail.com	Mata Amritanandamayi Math, Parayakadavu, Alappad, - Karunagappally, 690525 Others-Kollam
11.	Dr. Kannan T	Member Secretary	Ph.D.-Mechanical Engineering	Principal	principal@a mrita.edu.in	Hentry Street, Nesamony Nager - Nagercoil - 629001 Kanyakumari

• Members of Academic Advisory body	In the Process of forming Advisory body
• Frequency of the Board Meeting and Academic Advisory Body	Twice in an Academic Year
• Organizational Chart and Processes	

ORGANISATIONAL CHART

AMRITA INSTITUTIONS, NAGERCOIL - 629901

ORGANIZATIONAL STRUCTURE

```
                        CHAIRMAN
                            |
                    ACADEMIC DIRECTOR
                            |
        ┌───────────────────┴───────────────────┐
        |                                        |
  PRINCIPAL – ACET ──► Teaching and         ADMIN MANAGER
                       Non-Teaching Staff         |
  PRINCIPAL – ACE ──► Teaching and          SYSTEM ADMINISTRATOR
                      Non-Teaching Staff      AND ICTS STAFF
  PRINCIPAL – APC ──► Teaching and          ACCOUNTANTS, CASHIER
                      Non-Teaching Staff      AND STORE INCHARGE
  HR MANAGER ──► Office Manager, Office      FACILITIES ──► Electrician/ Plumbers/
                 Superintendent, Junior                     Gardeners
                 Assistants and Office Assistants
  PLACEMENT OFFICER ──► Placement Trainers  MESS MANAGER ──► Canteen and Cafeteria Staff
  PRO                                       TRANSPORT SUPERVISOR AND DRIVERS
  LIBRARIAN ──► Library Staff               HOUSEKEEPING SUPERVISOR AND STAFF
  PHYSICAL DIRECTORS                        SECURITY STAFF
  WARDENS
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• Nature and Extent of involvement of Faculty and students in academic affairs/improvements	Yes
• Mechanism/ Norms and Procedure for democratic/ good Governance	Yes
• Student Feedback on Institutional Governance/ Faculty performance	The faculty performance is adjudged with the help of 1. Student feedback is obtained on every last working day of the semester. 2. Feedback is also obtained through suggestion boxes placed in prominent places
• Grievance Redressal mechanism for Faculty, staff and students	Grievance Redressal committee for Faculty & Staff with the following composition is functioning in the college. 1. Director 2. Principal 3. Manager Every Class Committee is empowered as Grievance Redressal committee for Students and is functioning with the following composition. 1. Head of the Department 2. Staff Advisor of the class 3. A Senior faculty member of the department 4. A faculty member from another department 5. and three student representatives (one of them should be a girl).
• Establishment of Anti Ragging Committee	Yes
• Establishment of Online Grievance Redressal Mechanism	Yes
• Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University	Yes
• Establishment of Internal Complaint Committee (ICC)	Yes
• Establishment of Committee for SC/ST	Yes
• Internal Quality Assurance Cell	Yes

6	**Programmes**	
	Name of the Programme Approved by AICTE	**Yes** 1. ENGINEERING AND TECHNOLOGY 2. MANAGEMENT
	Name of the programmes Accredited by NBA	No

Sl. No.	Course Name	Number of Seats	Duration	Fee	Placement Facilities
UG PROGRAMME					
1	Civil Engineering	30	Four Years	Rs.50,000/-	Yes
2	Computer Science and Engineering	120	Four Years	Rs.85,000/-	Yes
3	Electronics and Communication Engineering	120	Four Years	Rs.85,000/-	Yes
4	Electrical and Electronics Engineering	60	Four Years	Rs.85,000/-	Yes
5	Mechanical Engineering	60	Four Years	Rs.85,000/-	Yes
6	Artificial Intelligence and Data Science	30	Four Years	Rs.85,000/-	Yes
PG PROGRAMME					
1	Computer Science and Engineering	18	Two Years	Rs.50,000/-	Yes
2	Embedded System Technologies	18	Two Years	Rs.50,000/-	Yes
3	Management Studies	60	Two Years	Rs.50,000/-	Yes

- Cut off marks/rank of admission during the last three years:

Sl. No.	Course Name	2022-2023	2021-2022	2020-2021
UG PROGRAMME				
1	Civil Engineering	177.25	168	121
2	Computer Science and Engineering	194.5	184.43	162.50
3	Electronics and Communication Engineering	193.5	179.62	193
4	Electrical and Electronics Engineering	182	173.7	156.50
5	Mechanical Engineering	159	179.5	152.50
6	Artificial Intelligence and Data Science	190	-	-
PG PROGRAMME				
1	Computer Science and Engineering	23.15	-	-
2	Embedded System Technologies	-	-	-
3	Management Studies	97.28	13.333	80

- Campus placement in last three years with minimum salary, maximum salary and average salary

Sl. No.	Course Name	2022-2023			2021-2022			2020-2021		
		Min.	Min.	Min.	Min.	Min.	Avg.	Min.	Max.	Avg.
UG PROGRAMME										
1	Civil Engineering	3	1	2	2	1	1	1	2	1
2	Computer Science and Engineering	7	2	4	7	1	4	2	4	3
3	Electronics and Communication Engineering	7	1	4	5	1	3	1	1	1
4	Electrical and Electronics Engineering	7	1	4	5	1	3	0	0	0
5	Mechanical Engineering	7	1	4	4	1	2	2	2	2
PG PROGRAMME										
1	Computer Science and Engineering	-	-	-	-	-	-	1	2	1
2	Embedded System Technologies	-	-	-	-	-	-	1	2	1
3	Management Studies	12	2	7	3	1	2	2	4	3
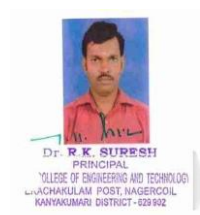
Amount in lakhs

- Name and duration of Programme(s)having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details: **Nil**

7	**Faculty**

- Adjunct Faculty : Nil

- Permanent Faculty: Student Ratio : 1:20

<table>
<tr><td rowspan="2">Name of the faculty member with stamp-size photograph</td><td colspan="3">DR. KANNAN T</td><td rowspan="11"></td></tr>
<tr><td colspan="3" align="center">20.07.1968</td></tr>
</table>

Name of the faculty member with stamp-size photograph	DR. KANNAN T		
Date of Birth	20.07.1968		
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	ME	First
	UG	BE	First
	M.Phil.	-	NA

Work Experience	Teaching	31 years 9 Months	Research	-	Industry	-	Others	-

Area of Specialization	Mechanical Engineering include Manufacturing, Optimization and Surface Engineering

Courses taught at Under Graduate / Post Graduate	

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	185
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	4/3

Projects Carried Out	1
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	185
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	3

Name of the faculty member with stamp-size photograph	Dr. B. Babu							
Date of Birth	30.06.1984							
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PhD	PhD	Awarded					
	PG	ME	First Class With Distinction					
	UG	BE	First Class					
	M.Phil.	-	-					
Work Experience	Teaching	14 Years 7 Months	Research	-	Industry	3	Others	-
Area of Specialization	Manufacturing Engineering ,Composite Materials, Machining							
Courses taught at Under Graduate/Post Graduate	Manufacturing Technology I ,Manufacturing Technology II. Unconventional Machining process, Welding Technology, Composite Materials, Fluid mechanics and machinery, Strength of materials, Designof jig and fixtures, kinematics of machinery							
Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences			-				
	Master (Completed/Ongoing)			-				
	Ph.D. (Completed/Ongoing)			-				
Projects Carried Out	-							
Patents (Filed & Granted)	Filled-1,Published-1							
Technology Transfer	Auto Cad, CNC programming							
Research Publications (No. of papers published in National/ International Journals/ Conference)	56							
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	13							

Name of the faculty member with stamp-size photograph	Dr. Jaya Ram R S							
Date of Birth	02.06.1987							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PhD	PhD	Awarded					
	PG	ME	First Class With Distinction					
	UG	BE	First Class					
	M.Phil.	-	-					

Work Experience	Teaching	7 Years 8 Months	Research	-	Industry	-	Others	-
Area of Specialization	Composite Materials							
Courses taught at Under Graduate/Post Graduate	Manufacturing Technology, Engineering Graphics, Entrepreneurship Development, Fluid Mechanics, Mechatronics							

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	Filled-1,Published-1
Technology Transfer	Auto Cad, CNC programming

Research Publications (No. of papers published in National/ International Journals/ Conference)	9
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Rajesh Kannan M			
Date of Birth	02.04.1990			

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Not registered
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	6 Years 6 Months	Research	-	Industry	-	Others	-

Area of Specialization	Engineering Design

Courses taught at Under Graduate/Post Graduate	Engineering Graphics, Engineering Mechanics, Fluid Mechanics and Machinery, Manufacturing Technology – I, Manufacturing Technology– II, Strength of Materials for Mechanical Engineers, Thermal Engineering, Design of Machine Elements, Metrology and Measurements, Dynamics of Machines, Computer Aided Design and Manufacturing, Hydraulics and Pneumatics, Automobile Engineering.

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	5 (Final year projects)
Patents (Filed & Granted)	-
Technology Transfer	AutoCAD, Solid Works, ANSYS, CNC turning and milling
Research Publications (No. of papers published in National/ International Journals/ Conference)	2
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	G. Saravanaram							
Date of Birth	20.12.1982							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	On progress
	PG	ME	First
	UG	BE	First
	M.Phil.	-	First

Work Experience	Teaching	12 Years 6 Months	Research	-	Industry	4	Others	-

Area of Specialization	
Courses taught at Under Graduate/Post Graduate	Engg. Graphics, Engg. Mechanics, Strength of Materials, Basic Mechanical Engg., Kinematics of Machinery, Design of Machine Elements, Process Planning and Cost Estimation, Hydraulics and Pneumatics, CAD/CAM lab, Simulation and analysis Lab.Computeraided Machine Drawing Lab, Metrology and Measurement Lab, Dynamics lab

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	15
Patents (Filed & Granted)	-
Technology Transfer	Solid Works, Ansys, Autocad
Research Publications (No. of papers published in National/ International Journals/ Conference)	3
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1(A BASIC OVERVIEW OF COMPOSITE MATERIALS AND SOME OF THEIR BIOMEDICAL ENGINEERING APPLICATIONS, Shree Siddhivinayak Global Publication,978-93-91772-11-3,2022)

Name of the faculty member with stamp-size photograph	SARAVANAMUTHUKUMAR P							
Date of Birth	19.05.1992							
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	-	-	-					
	PG	ME	First with Distinction					
	UG	BE	First					
	-	-	-					
Work Experience	Teaching	5 Years 2 Months	Research		Industry		Others	
Area of Specialization	M.E Manufacturing							
Courses taught at Under Graduate/Post Graduate	1. Engineering Graphics 2. Engineering Mechanics 3. Manufacturing Technology – I 4. Welding Technology							
Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences						-	
	Master (Completed/Ongoing)						-	
	Ph.D. (Completed/Ongoing)						-	
Projects Carried Out	-							
Patents (Filed & Granted)	-							
Technology Transfer	-							
Research Publications (No. of papers published in National/ International Journals/ Conference)	5							
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	3							

Name of the faculty member with stamp-size photograph	Dr. M. Navaneetha Krishnan		

Date of Birth	20.05.1990

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	8 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	Computer Aided Design

Courses taught at Under Graduate / Post Graduate	Fluid Mechanics and Machinery, Process planning and cost estimation, Finite Element Analysis, Engineering Economics and cost analysis, Advanced power plant Engineering (PG), Dynamics of Machines, Advanced Engineering Fluid Mechanics (PG), Basic civil and mechanical Engineering, Metrology and Measurements, Engineering materials and Metallurgy, Energy management in thermal system (PG), Strength of materials for mechanical Engineering, Instrumentation for thermal Engineering (PG), Welding Technology, Kinematics of Machinery, Engineering Metallurgy, Design of Transmission Systems, Robotics, Computer Integrated Manufacturing.

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	1
	Master (Completed/Ongoing)	10
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	Experimental analysis on Mechanical, Tribological and Corrosion behavior of sintered Boron Carbide reinforced Magnesium Composite

Patents (Filed & Granted)	Nil

Technology Transfer	Robotics, Response surface Methodology, Image processing and Analysis

Research Publications (No. of papers published in National/ International Journals/ Conference)	11

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1 (A novel eco-reliable hybrid composite laminates for sustainable Kattumaram and Vallam structures, Redshine Publication, Book Chapters for Multidisciplinary subjects for research-XV, Vol. 2, PP. 48-54, ISBN: 978-91-987581-9-1)

Name of the faculty member with stamp-size photograph	Mr. K. Aravinth			
Date of Birth	03.11.1996			
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**	
	PhD	PhD	ONGOING	
	PG	ME	FWD	
	UG	BE	FWD	
	M.Phil.	-	-	

Work Experience	Teaching	2 Years 7 Months	Research	-	Industry	-	Others	-

Area of Specialization	THERMAL ENGINEERING
Courses taught at Under Graduate/Post Graduate	HEAT AND MASS TRANSFER,THERMODYNAMICS,THERMAL ENGINEERING

Research guidance (Number of Students)	No. of papers published in National/InternationalJournals/Conferences	1
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	➢ Completed a Project on "Fabricating and Evaluating the Mechanical Properties of Aluminium Metal Matrix Composites "during the academic year 2015-2016 ➢ Completed a Project on "Multiple Drill Chuck Using Gear Train" during the academic year 2016-2017 ➢ Currently working under a Mini Project on "Metal Composites Using Magnesium and Titanium Dioxide(TiO2)" ➢ Completed a project on "design and Performance analysis of solar refrigeration using peltier effect" ➢ To eradicate the error which occurs in measurement of gear teeth thickness using flange coupling by using special design set up(ongoing)
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	1
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Multidisciplinary subjects for research XV Vol-I, Redshine Publications, K. Aravinth ISBN : 978-91-987582-0-7,

Name of the faculty member with stamp-size photograph	Mr. Anu Subramoniam M						
Date of Birth	16.07.1983						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry	1	Others	-

Area of Specialization	Energy Engineering

Courses taught at Under Graduate/Post Graduate	

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Dr. T. KANNAN, M.E.,Ph.D.,
Principal
Amrita College of Engg. and Tech.,
Amritagiri, Erachakulam,
Nagercoil - 629 901

	Name of the faculty member with stamp-size photograph	Dr. M. S. Sivagama Sundari						
	Date of Birth	14.05.1977						
	Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
		PhD	PhD	Awarded				
		PG	ME	First with Distinction				
		UG	BE	First				
		M.Phil.	-	-				
	Work Experience	Teaching	12 Years 8 Months	Research	3	Industry	1	Others	-
	Area of Specialization	Power Electronics, Renewable Energy						
	Courses taught at Under Graduate / Post Graduate	**Undergraduate** Transmission and Distribution Protection and Switchgear Power Electronics Electrical Drives and Controls Special Electrical Machines Electric Energy Generation, Utilization and Conservation Digital Logic Curcuits Renewable Energy Sources Electrical Machines – II Power System Analysis Circuit theory Electron Devices and Circuits Measurements and Instrumentation High Voltage Engineering Basic Electrical and Electronics Engineering Basic Electrical. Electronics and Measurement Engineering Basic Electrical, Electronics and Instrumentation Engineering Principles of Management Professional Ethics in Engineering Total Quality Management **Post Graduate** Analysis of Inverters Energy Management and Auditing Analysis of Power Converters						
	Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences		International Journal – 4 International Conference – 7 National Conference - 7				
		Master (Completed/Ongoing)		Completed - 2				
		Ph.D. (Completed/Ongoing)		Ongoing - 1				
	Projects Carried Out	1. Cascaded H-Bridge Multilevel Inverter for Industrial Applications, The Institution of Engineers IE (I), Kolkata, July						
	Patents (Filed & Granted)	-						
	Technology Transfer	-						
Research Publications (No. of papers published in National/ International Journals/ Conference)		-						
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)		-						

Name ofthe facultymember with stamp-sizephotograph	Dr. Shyni P Nair			
Date of Birth	26.12.1991			
Education Qualifications withclass obtained starting from thehighest degree	**Degree**		**Class Obtained**	
	PhD	PhD	Awarded	
	PG	ME	First	
	UG	BE	First Class with Distinction	
	M.Phil.	-	-	
Work Experience	Teaching	10 months	Research	-	Industry	-	Others	-
Area of Specialization	Renewable Energy Systems, Power Electronics and Soft Computing			
Courses taught at Under Graduate /Post Graduate	B.E- Electrical and Electronics Engineering M.E-Power Electronics and Drives			
Research guidance (Number of Students)				-
	No. of papers published in National/International Journals/ Conferences			
	Master(Completed/Ongoing)			-
	Ph.D.(Completed/Ongoing)			-
Projects Carried Out	-			
Patents(Filed & Granted)	-			
Technology Transfer	-			

Research Publications (No. of papers published in National/ International Journals/Conference)	International Journals-2 International Conferences-2
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication,etc.)	Name of the book: "MPPT Techniques for Renewable Energy Systems" Publishers: LAP LAMBERT Academic Publishing, Str. Armeneasca 28/1, office 1, Chisinau-2012, Republic of Moldova. ISBN: 978-620-6-14167-9 Year of Publication : 2023

Name of the faculty member with stamp-size photograph	Dr. K. R. SUJA		
Date of Birth	06.06.1976		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	ME	First
	UG	BE	Second
	M.Phil.	-	-

Work Experience	Teaching	22 years 3 months	Research	11 years 8 months	Industry	-	Others	-

Area of Specialization	Power System
Courses taught at Under Graduate / Post Graduate	Measurement & Instrumentation Electromagnetic Theory Control system Transmission &Distribution Power system control Power system operation Power system operation and control Power quality Power Plant Engineering Renewable Energy Sources Special Electrical Machines Electric Energy Generation, Utilization and Conservation

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	13
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	"Enhancing Rural Electrification using Solar Micro Grid Cluster" Received Financial Assistance of Rs 7500 under Student Project scheme from Tamilnadu State Council for Science and Technology, Chennai during March 2020.
Patents (Filed & Granted)	Patent Published during March 2022, Application No. 202241008378. "Fault Detection and Mitigation in Industrial Motors using Deep Learning Technique for Ease of Maintenance".
Technology Transfer	Delivered a Guest lecture on "Protective Relays" for Third year Electrical and Electronics Engineering Department students of Amrita Polytechnic College on 13.11.2020.
Research Publications (No. of papers published in National/ International Journals/ Conference)	Research Publications - 13 (National Journal – 1 International Journals – 5 Conferences – 7)
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	"Power Quality Management" Scientific International *Publishing* House Registered under the Ministry of Micro, Small, Medium Enterprises (MSME), and Government of India. ISBN: 978-93-5625-015-4 Year of publication : 2022

Name of the faculty member with stamp-size photograph	Mr. Jagadish Vijay							
Date of Birth	31.07.1981							
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PhD	PhD	-					
	PG	ME	First					
	UG	BE	First					
	M.Phil.	-	-					
Work Experience	Teaching	18 Years 10 months	Research	-	Industry	-	Others	-
Area of Specialization	Power Electronics and Industrial drives							
Courses taught at Under Graduate / Post Graduate	Transmission and Distribution Protection and Switchgear							
Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences		-					
	Master (Completed/Ongoing)		-					
	Ph.D. (Completed/Ongoing)		-					
Projects Carried Out	-							
Patents (Filed & Granted)	-							
Technology Transfer	-							

Research Publications (No. of papers published in National/ International Journals/ Conference)	1
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Thamil Alagan M		
Date of Birth	08.05.1974		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**ClassObtained**
	PhD	PhD	Awarded
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	15 Years 2 Months	Research	-	Industry	-	Others	-

Area of Specialization	Power Systems & Power Quality

Courses taught at Under Graduate /Post Graduate	**Graduate:** Smart Grid Electric Circuit Analysis Basic Electrical Engineering High Voltage Engineering High Voltage Direct Current Transmission Transmission and Distribution Electrical Machines Control System Engineering Special Electrical Machines Power System Analysis

Research guidance (Number of Students)	No. of papers published in National/International Journals/ Conferences	-
	Master(Completed/Ongoing)	-
	Ph.D.(Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	

Research Publications (No. of papers published in National/ International Journals/Conference)	5
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Ms. Ahila D L			
Date of Birth	12.06.1995			

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**	
	PhD	-	-	
	PG	ME	First	
	UG	BE	First	
	M.Phil.	-	-	

Work Experience	Teaching	3 Years 4 Months	Research	-	Industry	-	Others	-

Area of Specialization	Power Electronics
Courses taught at Under Graduate / Post Graduate	Electrical and Electronics Engineering/Power Electronics and Drives

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Lekshmanan R							
Date of Birth	20.05.1977							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	Instrumentation and Control Engineering							

Courses taught at Under Graduate / Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Nisha K S							
Date of Birth	27.09.1984							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	11 Years 10 Months	Research	-	Industry	-	Others	-

Area of Specialization	-

Courses taught at Under Graduate / Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. SURESH S						

Date of Birth	08.08.1993						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PhD	-	-				
	PG	ME	FWD				
	UG	BE	FWD				
	M.Phil.	-	-				

Work Experience	Teaching	7 Years 5 Months	Research	-	Industry	-	Others	-

Area of Specialization	Structural Engineering

Courses taught at Under Graduate / Post Graduate	Design of Steel Structural Elements Concrete Technology Design of Reinforced Concrete Elements Estimation, Costing and Valuation Engineering Advanced Steel Structures

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	01
	Master (Completed/Ongoing)	03
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	1. Size independent fracture energy of various concrete 2. Durability and fire resistance of concrete coated with intumescent paint. 3. Experimental investigation on the behavior of RC flexural member strengthened with 3D printed fiber. 4. Property evaluation of construction materials using Internet of Things

Patents (Filed & Granted)	-

Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	03

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	01 (Fluid Mechanics, Chess Educational Publishers, 9788193783085, 2017)

Name of the faculty member with stamp-size photograph	Mr. U. Ananth					
Date of Birth	09.09.1991					

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**			
	PhD	-	-			
	PG	ME	First			
	UG	BE	First			
	M.Phil.	-	-			

Work Experience	Teaching	6 Years 4 Months	Research	-	Industry		Others	-

Area of Specialization	Structural Engineering
Courses taught at Under Graduate / Post Graduate	Construction Techniques and practice Prefabricated Structures Design of Reinforced Concrete Elements Structural Analysis I Design of Reinforced and Brick masonry structures Construction materials

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	02
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	Study on effects of copper slag and fly ash in high performance concrete
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	02
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Akiladevi A R		
Date of Birth	25.07.1990		
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	FWD
	UG	BE	FWD
	M.Phil.	-	-

Work Experience	Teaching	5 years 2 months	Research	-	Industry	-	Others	

Area of Specialization	Environmental Engineering
Courses taught at Under Graduate / Post Graduate	Water supply Engineering Wastewater Engineering Engineering Geology Estimation and quantity Surveying Structural Analysis I & II

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	Evolution of water quality index for Thamirabarani River using Fuzzy logic.
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	08
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. S. Anisha						
Date of Birth	22.03.1993						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PhD	-	-				
	PG	ME	First				
	UG	BE	FWD				
	M.Phil.	-	-				

Work Experience	Teaching	4 Years 3 Months	Research	-	Industry	-	Others	-

Area of Specialization	Structural Engineering
Courses taught at Under Graduate / Post Graduate	Foundation Engineering Highway Engineering Design of Reinforced concrete and Brick masonry structures Construction Materials Repair and Rehabilitation of Structures Basic Civil Engineering Traffic Engineering and Management Pavement Engineering

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	01
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

PRINCIPAL
Amrita College of Engg. and
Amritagiri, Erachakul
Nagercoil-629 90

Name of the faculty member with stamp-size photograph	Mrs. S. Geetha
Date of Birth	07-03-1992

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	4 Years 9 Months	Research	-	Industry	-	Others	-

Area of Specialization	Structural Engineering
Courses taught at Under Graduate / Post Graduate	Prestressed Concrete Structures Design of Steel Structures Construction Materials Strength of Materials

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	EXPERIMENTAL STUDY ON REPLACEMENT OF STEEL WITH BAMBOO AS REINFORCEMENT
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	01
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Karthika P							
Date of Birth	21-11-1991							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PhD	-	-					
	PG	ME	First					
	UG	BE	First					
	M.Phil.	-	-					

Work Experience	Teaching	2 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	Structural Engineering

Courses taught at Under Graduate / Post Graduate	1.Estimation Costing and Valuation Engineering 2. Engineering Mechanics 3.Soil Mechanics 4. Disaster Managemen

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Petchikkan M		
Date of Birth	14.04.1985		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Ongoing
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	13 Years 2 Months	Research	-	Industry	-	Others	-

Area of Specialization	Structural Engineering
Courses taught at Under Graduate / Post Graduate	Applied Hydraulics Engineering Strength of Materials

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Muthuvel P	
Date of Birth	07.09.1989	

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry	-	Others	-

Area of Specialization	Structural Engineering
Courses taught at Under Graduate / Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Siva Raja P M				
Date of Birth	21.06.1982				

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**		
	PhD	PhD	Awarded		
	PG	M.Tech.	First		
	UG	B.Tech.	First		

Work Experience	Teaching	17 Years 10 Months	Research	4	Industry	-	Others	-

Area of Specialization	Medical Image

Courses taught at Under Graduate / Post Graduate	**UG:** Compiler Design, Theory of Computation, Information Retrieval Techniques, Software Project Management, Software Quality Assurance, Computer Graphics, Operating Systems, Object oriented analysis and design, Mobile Computing, Principles of Management, Software Engineering **PG:** Network Design Technologies, Machie Learning, Datamining for business Intelligence, Software Quality Management

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	2
	Master (Completed/Ongoing)	5
	Ph.D. (Completed/Ongoing)	

Projects Carried Out	-

Patents (Filed & Granted)	2

Technology Transfer	-

Research Publications (No. of papers published in National/ International / Journals / Conference)	25

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Sasikala T S							

Date of Birth	02-06-1978

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	M.Tech	FWD
	PG	MCA	Second
	UG	B.Sc	First

Work Experience	Teaching	16 Years 11 Months	Research	-	Industry		Others	

Area of Specialization	Mutimodal Biometrics, Image Processing

Courses taught at Under Graduate / Post Graduate	**UG:** Operating Systems, Computer Architecture, Data Structures, Compiler Design, Theory of Computation, Cloud Computing, Computer Graphics, Computer Architecture, Image Processing, Software Engineering **PG** Big Data, Operating System Internals, Social Network Analysis

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	9
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Rejini K							
Date of Birth	28-04-1982							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Ongoing
	PG	ME	First class with Distinction
	UG	BE	First class with Distinction

Work Experience	Teaching	14 Years 7 Months	Research	-	Industry	-	Others	-

Area of Specialization	Internet of Things

Courses taught at Under Graduate / Post Graduate	**UG:** Problem solving and Python programming, C Programming, Object oriented programming, Computer Architecture, Artificial Intelligence, Computer Networks, Internet Programming, Database Management Systems, Digital Principles and System Design, Data Structures. **PG:** Advanced Data Structures and Algorithms

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	2
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Sumithra R P	

Date of Birth	15.07.1987	

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained
	PhD	PhD	perusing
	PG	ME	First
	UG	BE	First

Work Experience	Teaching	11 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	Image Processing

Courses taught at Under Graduate / Post Graduate	**UG:** Problem solving and Python programming, C Programming, Object oriented programming, Artificial Intelligence, Internet Programming, Data warehousing and Datamining, Data Structures, Operating Systems**PG:** Advanced Data Structures and Algorithm,

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-

Patents (Filed & Granted)	-

Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	3

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Vidhya S						
Date of Birth	11-01-1989						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Ongoing
	PG	ME	First
	UG	BE	First

Work Experience	Teaching	10 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	Cloud Computing, Data Security

Courses taught at Under Graduate / Post Graduate	**UG:** Compiler Design, Theory of Computation, Software engineering, Digital Image Processing, Operating System **PG:** Advanced operating system, Image Processing Analysis, Advanced Digital Image Processing, Information Security

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	9
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Software Engineering

Name of the faculty member with stamp-size photograph	Mrs. Jothilakshmi S L						

Date of Birth	20-05-1985						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PhD	PhD	Pursuing				
	PG	ME	FWD				
	UG	B. Tech	FWD				

Work Experience	Teaching	8 Years 10 Months	Research	-	Industry	-	Others	-

Area of Specialization	Image Processing, Cloud Computing

Courses taught at Under Graduate / Post Graduate	**UG:** Cloud computing, Operating systems, Problem solving and python programming, Object oriented programming, software testing, Service oriented architecture, Distributed systems, Design and analysis of algorithms, Computer networks, System software, Software engineering, Data mining and data warehousing **PG:** Machine learning techniques, Cloud computing technologies, Advanced data structures and algorithms

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-

Patents (Filed & Granted)	-

Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	1

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Rajeesh Kumar N V			
Date of Birth	15.04.1981			
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**	
	PhD	PhD	Awarded	
	PG	ME	First class with Distinction	
	UG	BE	First class	
	M.Phil.	-	-	

Work Experience	Teaching	9 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	Computer Networks and Security
Courses taught at Under Graduate / Post Graduate	**UG courses:** Problem solving and Python programming, C Programming, Object oriented programming, Computer Architecture, Computer Networks

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	1
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	20
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Archana V Nair S		
Date of Birth	07-07-1987		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PG	ME	FWD
	UG	B. TECH	First

Work Experience	Teaching	6 Years 6 Months	Research	-	Industry	-	Others	-

Area of Specialization	Network Security

Courses taught at Under Graduate / Post Graduate	**UG:** Principles of Management, Information Security, Computer Architecture, Database Management Systems, Advanced Computer Architecture, Multicore Architectures and Programming, **PG:** Network Design and Technologies, Principles of Programming Languages, Multicore Architecture, Network Security, Networks and Information Security, Communication Network Security,

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	4
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Anant Raj I			
Date of Birth	27/01/1993			

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**	
	PhD	PhD	Ongoing	
	PG	ME	First	
	PG	MBA	First	
	UG	BE	First	
	M.Phil.	-	First	

Work Experience	Teaching	6 Years 2 Months	Research	-	Industry	-	Others	-

Area of Specialization	Image Processing, Artificial Intelligence

Courses taught at Under Graduate / Post Graduate	**UG:** Operating systems, Problem solving and python programming, Object oriented programming, Design and analysis of algorithms, Computer networks, System software, Software engineering, Data mining and data warehousing, Distributed systems, Design and analysis of algorithms, Computer Architecture, Multicore Architecture, Database Management Systems, Advance Computer Architecture, Supply Chain Management, Fundamentals of Data Structures in C, Cryptography and Network Security **PG:** Machine learning Techniques, Software for Embedded systems

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	Ongoing

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	Huawei Mobile Application Development
Research Publications (No. of papers published in National/ International Journals/ Conference)	4
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Saranya R
Date of Birth	25.04.1989

Education Qualifications with class obtained starting from the highest degree		Degree		Class Obtained
	PG		ME	First
	UG		BE	First

Work Experience	Teaching	2 Years 6 Months	Research	-	Industry	-	Others	-

Area of Specialization	DBMS Computer Networks
Courses taught at Under Graduate / Post Graduate	Under Graduate: 1.Foundations of Data Science 2.Problem solving and python programming 3.Algorithms 4.Artificial Intelligence and Machine Learning Post Graduate: 1.Network Technologies 2.IoT and clouds

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	2
Patents (Filed & Granted)	-
Technology Transfer	
Research Publications (No. of papers published in National/ International Journals/ Conference)	2
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Prem Nisha G	
Date of Birth	11.10.1992	

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PG	ME	First
	UG	BE	First

Work Experience	Teaching	7 Months	Research	-	Industry	1 Year 4 Months	Others	-

Area of Specialization	Cloud Computing DBMS Python

Courses taught at Under Graduate / Post Graduate	UG Problem Solving and Python Programming Artificial Intelligence Internet Programming PG Security Practices

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Thangam V		
Date of Birth	18.01.1989		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PG	ME	First
	UG	BE	Distinction

Work Experience	Teaching	8 Months	Research	-	Industry	9 Months	Others	-

Area of Specialization	Networks Security
Courses taught at Under Graduate / Post Graduate	

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Uma S							
Date of Birth	30.04.1984							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PG	ME	Distinction					
	UG	B.TECH.	Distinction					

Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	Network security							

Courses taught at Under Graduate / Post Graduate	

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Ms. Uma Sree U P						
Date of Birth	13.05.1991						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PG	ME	First				
	UG	BE	First				

Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	Computer Networks							

Courses taught at Under Graduate / Post Graduate	Problem Solving and Python Programming

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Ms. Subasini S						
Date of Birth	29.08.1997						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PG	ME	First
	UG	BE	First

Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	-							

Courses taught at Under Graduate / Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Ms. Subashini K M							
Date of Birth	05.05.1996							
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PG	ME	First					
	UG	BE	First					
Work Experience	Teaching	1 Year 1 Month	Research	-	Industry	-	Others	-
Area of Specialization	-							
Courses taught at Under Graduate / Post Graduate	-							

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Kavitha V				
Date of Birth	20.06.1993				
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**		
	PG	ME	First		
	UG	BE	First		
Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	-				
Courses taught at Under Graduate / Post Graduate	-				
Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences			-	
	Master (Completed/Ongoing)			-	
	Ph.D. (Completed/Ongoing)			-	
Projects Carried Out	-				
Patents (Filed & Granted)	-				
Technology Transfer					
Research Publications (No. of papers published in National/ International Journals/ Conference)	-				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-				

Name of the faculty member with stamp-size photograph	Mrs. Agnes Sharmily S				
Date of Birth	12.04.1993				

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PG	ME	First
	UG	BE	First

Work Experience	Teaching	-	Research	-	Industry	-	Others	-

Area of Specialization	-
Courses taught at Under Graduate / Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Thanammal Indu V		
Date of Birth	04.09.1982		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Ongoing
	PG	ME	First class with Distinction
	UG	BE	First class with Distinction

Work Experience	Teaching	6 Years 9 Months	Research	-	Industry	4 Years 8 Months	Others	-

Area of Specialization	Deep learning, Image Processing

Courses taught at Under Graduate / Post Graduate	**UG:** Problem solving and Python programming, C Programming, Object oriented programming, Computer Architecture, Artificial Intelligence, Computer Networks, Internet Programming, Data Analytics, Software Project Management **PG:** Machine Learning Techniques

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	3

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	SOFTWARE PROJECT MANAGEMENT Sri Krishna Publishers 978-93-86590-37-4 December 2018

Name of the faculty member with stamp-size photograph	Mrs. Chithra G				
Date of Birth	05.10.1993				
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**		
	PG	ME	First		
	UG	BE	First		
Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	Artificial Intelligence & Cloud Computing				
Courses taught at Under Graduate / Post Graduate	-				
Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences			-	
	Master (Completed/Ongoing)			-	
	Ph.D. (Completed/Ongoing)			-	
Projects Carried Out	-				
Patents (Filed & Granted)	-				
Technology Transfer					
Research Publications (No. of papers published in National/ International Journals/ Conference)	-				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-				

Name of the faculty member with stamp-size photograph	Dr. Krishna Kumar P					
Date of Birth	10.06.1970					

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**			
	PhD	PhD	Awarded			
	PG	ME	First			
	UG	BE	Second			

Work Experience	Teaching	14 Years 10 Months	Research	-	Industry	9 Years	Others	-

Area of Specialization	Networks Security
Courses taught at Under Graduate / Post Graduate	Under Graduate: 1.Foundations of Data Science 2.C Programming and Data Structure 3. Mobile Computing 4.Distributed Computing Post Graduate: 1.Multicore Architecture and Programming

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	20
Patents (Filed & Granted)	4
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	5
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Anjana S							
Date of Birth	17.09.1996							
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PG	ME	First					
	UG	BE	First					
Work Experience	Teaching	2 Years 4 Months	Research	-	Industry	-	Others	-
Area of Specialization	Computer Science and Engineering							
Courses taught at Under Graduate / Post Graduate	Under Graduate: Problem Solving and Python Programming, Object Oriented Programming, Software Engineering Post Graduate: Network Technologies							
Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences							-
	Master (Completed/Ongoing)							-
	Ph.D. (Completed/Ongoing)							-
Projects Carried Out	-							
Patents (Filed & Granted)	-							
Technology Transfer	-							
Research Publications (No. of papers published in National/ International Journals/ Conference)	2							
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-							

Name of the faculty member withstamp-size photograph	Dr. S. V. Mahesh Kumar							
Date of Birth	11.06.1985							

Education Qualifications with class obtained starting from the highestdegree	Degree		Class Obtained	
	PhD	PhD [ECE]	Awarded	
	PG	ME [Applied Electronics]	First	
	UG	BE[ECE]	First	
	M.Phil.	-	-	

Work Experience	Teaching	10 Years 4 Months	Research	3.5	Industry	-	Others	-

Area of Specialization	Multicore Architecture and Parallel Processing

Courses taught at Under Graduate / Post Graduate	**UG:** Digital Signal Processing Signals and Systems Electromagnetic Fields Antennas and Wave Propagation Microprocessors and Microcontrollers Embedded and Real-Time Systems Machine Learning Techniques Professional Ethics in Engineering **PG:** Microcontroller based system design (for ME-Embedded Systems) Analysis and Design of Analog Integrated Circuits (for ME-VLSI)

Research guidance (Number ofStudents)	No. of papers published in National/International Journals / Conferences	03
	Master (Completed/Ongoing)	03
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	15 (UG projects)

Patents (Filed & Granted)	01

Technology Transfer	**Resource Person of Workshop & FDP:** Workshop: 01 FDP: 01

Research Publications (No. of papers published in National/ International Journals/ Conference)	14

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. A. S. Radhamani								
Date of Birth	08.05.1974								
Education Qualifications with class obtained starting from the highest Degree	**Degree**		**Class Obtained**						
	PhD	PhD[CSE]	Awarded						
	PG	ME[CSE]	FWD						
	UG	BE[ECE]	First						
	M.Phil.	-	-						
Work Experience	Teaching	22 Years 4 Months	Research	7	Industry	1	Others	-
Area of Specialization	Multicore Architecture and Parallel Processing								
Courses taught at Under Graduate / Post Graduate	Embedded and Real Time Systems Microprocessors and Microcontrollers Security Practices Multicore Architectures and Programming Software Quality Assurance and Testing Internet Programming Software Engineering Software Testing Distributed Systems Advanced Computer Architecture Wireless and Mobile Communication Communication Networks Cyber Forensics Satellite Communication								
Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences			5					
	Master (Completed/Ongoing)			-					
	Ph.D. (Completed/Ongoing)			7					
Projects Carried Out	15								
Patents (Filed & Granted)	1								
Technology Transfer									
Research Publications (No. of papers published in National/ International Journals/ Conference)	45								
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1. Handbook of Deep Learning inBiomedical Engineering and Health Informatics,Apple Academic Press-9781771889988, 2021 2. Blockchain Technology Fundamentals Applications and Case Studies,Taylor And Francis-2020024166, 2020 3.Programming in C Simplified Sara Book Publication,978-1-73029-053-4, 2019								

PRINCIPAL
Amrita College of Engg. and Tech.
Amritagiri, Erachakulam
Nagercoil-629 901

Name of the faculty member with stamp-size photograph	Mr. Ramanathan V	
Date of Birth	28.07.1981	

Education Qualifications with class obtained starting from the highestdegree	**Degree**		**Class Obtained**
	PhD	PhD	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	17 Years 9 Months	Research	-	Industry	-	Others	-

Area of Specialization	Optical Communication
Courses taught at Under Graduate / Post Graduate	Optical Communication, Linear Integrated circuits and Applications,Digital Communication, Communication Theory, Opto-Electronic Devices, Communication Engineering, Circuit Analysis, Electronic Circuits-I, Basic Electrical & Electronics Engineering.

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	4
	Master (Completed/Ongoing)	3
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	Filed-1
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	4
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	V. Anusooya		
Date of Birth	30.12.1983		

	Degree	Degree	Class Obtained
Education Qualifications with class obtained starting from the highestdegree	PhD	PhD	Pursuing
	PG	ME	FWD
	UG	BE	FWD
	M.Phil.	-	-

Work Experience	Teaching	15 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	Optical Communication
Courses taught at Under Graduate / Post Graduate	**UG-** Electronic Circuits I & II, Digital Signal Processing, Electron Devices and Circuits, Communication Engineering, Digital Communication, Optical Communication & Networks, Wireless Communication, Computer Networks, RF and Microwave Engineering, Signals and Systems, Principles of Management, Wireless networks, Linear Integrated Circuits, Professional Ethics. **PG-** Image Processing, Advanced digital image processing, Optical Imaging Techniques, Satellite Communication, High performance communication networks, Communication network security.

Research guidance (Number ofStudents)	No. of papers published in National/International Journals / Conferences	11
	Master (Completed/Ongoing)	6
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	Nil
Patents (Filed & Granted)	3 filed and Published
Technology Transfer	Nil
Research Publications (No. of papers published in National/ International Journals/ Conference)	7
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1 (ISBN: 978-81-8472-203-1)

Name of the faculty member withstamp-size photograph	Mr. Srinivasan P							
Date of Birth	26-11-1986							
Education Qualifications with class obtained starting from the highestdegree	**Degree**		**Class Obtained**					
	PhD	PhD	Pursuing					
	PG	ME-EST	First					
	UG	BE-ECE	First					
	M.Phil.	-	-					
Work Experience	Teaching	11 Years 8 Months	Research	-	Industry	-	Others	-
Area of Specialization	Energy generation, distribution and its optimization, Digital Image Processing							
Courses taught at Under Graduate / Post Graduate	Linear Integrated Circuits, Signals and Systems, Optical Communication, Communication Theory, Communication Engineering, Digital Communication, Embedded and Real Time systems, Electric Circuits and Electron Devices & VLSI Design / Design of Embedded System, Real Time Systems, Smart System Design, Cryptography and Network Security.							
Research guidance (Number ofStudents)	No. of papers published in National/International Journals / Conferences					-		
	Master (Completed/Ongoing)					-		
	Ph.D. (Completed/Ongoing)					-		
Projects Carried Out	15							
Patents (Filed & Granted)	4 & Nil							
Technology Transfer	-							
Research Publications (No. of papers published in National/ International Journals/ Conference)	-							
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-							

Name of the faculty member with stamp-size photograph	Arun S						
Date of Birth	21-09-1985						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PhD	-	-				
	PG	ME	First				
	UG	BE	First				
	M.Phil.	-	-				

Work Experience	Teaching	13 Years 4 Months	Research	-	Industry	-	Others	-

Area of Specialization	VLSI Digital Design, Embedded System

Courses taught at Under Graduate / Post Graduate	Microprocessor and Microcontroller, Digital System Design, Digital Electronics, Circuit Analysis, Digital IC Application, Digital Design through Verilog, Advanced Digital Principle and System Design, Circuit Theory.

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	Patent filed: 3
Technology Transfer	
Research Publications (No. of papers published in National/ International Journals/ Conference)	12
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Allan J Wilson							
Date of Birth	07/12/1988							
Education Qualifications with class obtained starting from the highestdegree	**Degree**		**Class Obtained**					
	PhD	PhD	Awarded					
	PG	ME	First					
	UG	BE	First					
	M.Phil.	-	-					
Work Experience	Teaching	10 Years 10 Months	Research	-	Industry	-	Others	-
Area of Specialization	Communication Systems.							
Courses taught at Under Graduate / Post Graduate	**UG** Wireless Networks Wireless CommunicationElectronic Devices Electronic Devices and Circuits Digital Electronics Digital principles and System Design Microprocessor and Microcontroller Communication Engineering Advanced Computer Architecture Analog and Digital Communication Electromagnetic Fields Linear Integrated Circuits **PG** Microcontroller based System Design Wireless and Mobile Communication							
Research guidance (Number ofStudents)	No. of papers published in National/International Journals / Conferences			2				
	Master (Completed/Ongoing)			3				
	Ph.D. (Completed/Ongoing)			-				
Projects Carried Out	-							
Patents (Filed & Granted)	3							
Technology Transfer	-							
Research Publications (No. of papers published in National/ International Journals/ Conference)	21							
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-							

Name of the faculty member with stamp-size photograph	Mr. A Rajendran			
Date of Birth	28/06/1980			
Education Qualifications with class obtained starting from the highestdegree	**Degree**	**Class Obtained**		Dr. R.K. SURESH PRINCIPAL AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY ERACHAKULAM POST, NAGERCOIL KANYAKUMARI DISTRICT - 629 902
	PhD	-	-	
	PG	ME	First	
	UG	BE	First	
	M.Phil.	-	First	

Work Experience	Teaching	10	Research	-	Industry	-	Others -
Area of Specialization	Embedded Computing						
Courses taught at Under Graduate / Post Graduate	Control System Engineering, Mechatronics, Basic Electrical and Electronics Engineering, Computer Architecture and Organizations, VLSI Design, Microprocessor and Micro Controller, Wireless communication, Wireless sensor Network						

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	14
	Master (Completed/Ongoing)	11
	Ph.D. (Completed/Ongoing)	-
Projects Carried Out	-	
Patents (Filed & Granted)	Design and implementation of high speed Brauns multiplier for low power applications filed on 11/03/2022 with Ref. No. 202241013493 and its Published.	
Technology Transfer	-	
Research Publications (No. of papers published in National/ International Journals/ Conference)	14	
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-	

Name of the faculty member with stamp-size photograph	Mrs. Sarika A S						
Date of Birth	03/06/1993						

Education Qualifications with class obtained starting from the highestdegree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	First

Work Experience	Teaching	6 Years 1 Month	Research	-	Industry		Others	

Area of Specialization	Signal Processing
Courses taught at Under Graduate/Post Graduate	Circuit Theory, Circuit analysis, Embedded and real time systems, Microprocessor and Microcontroller, Communication theory, Digial Signal Processing, Electron devices, Electronic Circuits I, Electronic Circuits II, MEMS and NEMS, Digital Instrumentation, Internet of things, Design of Embedded System

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	2
Patents (Filed & Granted)	2
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	2
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Gnanakumar D
Date of Birth	12-03-1992

Education Qualifications with class obtained starting from the highestdegree	Degree		Class Obtained
	PhD	PhD	Nil
	PG	M.Tech.	First Class with Distinction
	UG	BE	First Class
	M.Phil.	-	Nil

Work Experience	Teaching	2 Years 9 Months	Research	Nil	Industry	Nil	Others	Nil

Area of Specialization	Wireless and Optical Communication

Courses taught at Under Graduate / Post Graduate	**Theory Courses:** ☐ Wireless Communication ☐ Research Methodology and IPR ☐ Digital Communication ☐ Digital Principle and System Design ▪ Advanced Digital Communication ▪ Satellite Communication ▪ Microwave Electronics ▪ Transmission Lines and Waveguides ▪ Basic Electrical and Electronics Engineering **Laboratory Courses:** ☐ Communication Systems Laboratory ☐ Circuits Analysis Laboratory ▪ Fiber Optics and Communication Laboratory

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	02

Research Publications (No. of papers published in National/ International Journals/ Conference)	6

Name of the faculty member with stamp-size photograph	Mr. Pon Bharathi A			
Date of Birth	03.09.1991			

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**	
	PhD	-	-	
	PG	ME	First Class with Distinction	
	UG	BE	First Class	
	M.Phil.	-	-	

Work Experience	Teaching	7 Years 2 Months	Research	-	Industry	-	Others	-

Area of Specialization	Communication Systems
Courses taught at Under Graduate/Post Graduate	Antennas and Microwave Engineering

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	12
	Master(Completed/Ongoing)	-
	Ph.D.(Completed/Ongoing)	-

Projects Carried Out	-
Patents(Filed& Granted)	9
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/Conference)	12
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Mohan Kumar S							
Date of Birth	17.12.1989							

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained	
	PhD	-	-	
	PG	ME	First	
	UG	BE	First	
	M.Phil.	-	-	

Work Experience	Teaching	4 Years 1 Months	Research	-	Industry	-	Others	-

Area of Specialization	VLSI and Embedded Systems
Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Valarmathi S		
Date of Birth	03.05.1976		

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained
	PhD	-	-
	PG	ME	First
	UG	BE	Second
	M.Phil.	-	-

Work Experience	Teaching	17 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	-
Courses taught at UnderGraduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-

Name of the faculty member with stamp-size photograph	Dr. Kiran W S	
Date of Birth	13.09.1989	

Education Qualifications with class obtained starting from the highestdegree	Degree		Class Obtained
	PhD	PhD	Awarded
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	9 Years	Research	-	Industry	-	Others	-

Area of Specialization	Wireless Sensor Networks
Courses taught at Under Graduate/Post Graduate	Digital Signal Processing Sensors and Transducers Digital Principles and System Design Wireless Communication

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	2
	Master (Completed/Ongoing)	5
	Ph.D. (Completed/Ongoing)	-

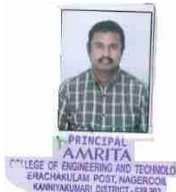|	
Projects Carried Out	-
Patents (Filed & Granted)	1
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	3
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Pradeep							

Date of Birth	01.02.1985

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First Class with Distinction
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry		Others	

Area of Specialization	-

Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-

Patents (Filed & Granted)	-

Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-

Name of the faculty member with stamp-size photograph	Mrs. Brindha P								
Date of Birth	05.02.1986								

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained	
	PhD	-	-	
	PG	ME	First Class with Distinction	
	UG	BE	First	
	M.Phil.	-	-	

Work Experience	Teaching	12 Years 9 Months	Research	-	Industry	-	Others	-

Area of Specialization	-

Courses taught at UnderGraduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	-

Name of the faculty member with stamp-size photograph	Ms. Vidhya S			
Date of Birth	08.10.1989			

Education Qualifications with class obtained starting from the highestdegree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry		Others	
Area of Specialization	-							

Courses taught at UnderGraduate/Post Graduate	-

Research guidance (Number ofStudents)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-

Name of the faculty member with stamp-size photograph	Ms. Shyla R						
Date of Birth	24.05.1992						

Education Qualifications with class obtained starting from the highestdegree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry		Others	

Area of Specialization	-
Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-

Name of the faculty member with stamp-size photograph	Dr. G. Kannan							
Date of Birth	01.06.1973							

Education Qualifications with class obtained starting from the highestdegree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	ME	First
	UG	BE	Second
	M.Phil.	-	-

Work Experience	Teaching	24 Years 1 Month	Research	-	Industry	-	Others	-

Area of Specialization	Digital communication, Electronics instrumentations ,Control system and soft computing
Courses taught at Under Graduate/Post Graduate	Electronics circuits, Digital communication, analog communication,Digital signal processing, control system, Linear integrated circuits, Matlab programming, electric circuits , Soft computing, Neural network and Fuzzy logic, sensor and transducers,

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	18

Name of the faculty member with stamp-size photograph	Mrs. Subathra K V						
Date of Birth	14.02.1990						

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained	
	PhD	-	-	
	PG	M.Tech	FWD	
	UG	BE	FWD	
	M.Phil.	-	-	

Work Experience	Teaching	4 Years 10 Months	Research	-	Industry	-	Others	-

Area of Specialization	Embedded System Technologies

Courses taught at Under Graduate / Post Graduate	Electronic Circuits-I Electronic Circuits-II Linear Integrated Circuits Real Time Embedded Systems Transmission Lines and Waveguides Digital Image Processing VLSI Design

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	2
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Iswarya V.S							
Date of Birth	20.02.1990							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PhD	-	-					
	PG	MBA	First					
	UG	B.Sc.	First					
	M.Phil.	-	-					

Work Experience	Teaching	4 Years 6 Months	Research	-	Industry	_	Others	-

Area of Specialization	Human Resource Management & Finance
Courses taught at Under Graduate/Post Graduate	Strategic Human Resource Management, Principles of Management, Total Quality Management, Organizational Behavior, Security Analysis and Port Folio Management

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	20
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	Nil
Patents (Filed & Granted)	1
Technology Transfer	Nil
Research Publications (No. of papers published in National/ International Journals/ Conference)	Journal – 1 Conference - 1
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1Book. Enterprise Resource Planning Multi Spectrum Publication ISBN:978-81-955229-4-1 Year: 2022
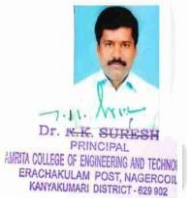
Name of the faculty member with stamp-size photograph	Dr. R. Dhaneesh		
Date of Birth	13.06.1985		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	MBA	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	13 years 5 months	Research	-	Industry	1	Others	-

Area of Specialization	Human Resource Management
Courses taught at Under Graduate/Post Graduate	Statistics for Management, Applied Operations Research, Human Resource Management, Strategic Management. Enterprise Resource Planning, Strategic Human Resource Management.

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	International Journal -3 students Conference – 4 Students
	Master (Completed/Ongoing)	75 students
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	1
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	10
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1Book. Enterprise Resource Planning Multi Spectrum Publication ISBN:978-81-955229-4-1 Year: 2022

Name of the faculty member with stamp-size photograph	Dr. S. Sivakami							
Date of Birth	30.07.1975							
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PhD	PhD	Awarded					
	PG	MBA	First					
	UG	BCom	Second					
	M.Phil.	-	Second					
Work Experience	Teaching	18 Years 5 Months	Research	-	Industry	-	Others	-
Area of Specialization								
Courses taught at Under Graduate/Post Graduate	Financial Accounting, Financial Management, Corporate Finance, Banking Financial Services management, Merchant Banking and Financial Services.							
Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences					6		
	Master (Completed/Ongoing)					30		
	Ph.D. (Completed/Ongoing)							
Projects Carried Out	-							
Patents (Filed & Granted)	-							
Technology Transfer	-							
Research Publications (No. of papers published in National/ International Journals/ Conference)	11							
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-							

Name of the faculty member with stamp-size photograph	Ms. Saranya S. M						
Date of Birth	18.04.1998						
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PhD	-	-				
	PG	MBA	First				
	UG	BBA	First				
	M.Phil.	-	-				
Work Experience	Teaching	2 years	Research	-	Industry	-	Others	-
Area of Specialization	Finance & Human Resource Management						
Courses taught at Under Graduate/Post Graduate	International Business Management, Retail Marketing, Marketing Management, Professional Ethics						
Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences			-			
	Master (Completed/Ongoing)			-			
	Ph.D. (Completed/Ongoing)			-			
Projects Carried Out	-						
Patents (Filed & Granted)	-						
Technology Transfer	-						
Research Publications (No. of papers published in National/ International Journals/ Conference)	-						
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-						

Name of the faculty member with stamp-size photograph	Mr. Dhana Sekaran R						
Date of Birth	05.08.1976						

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained
	PhD	-	-
	PG	MBA	First
	UG	BBA	First
	M.Phil.	-	-

Work Experience	Teaching	7 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	Human Resource Management and Marketing
Courses taught at Under Graduate/Post Graduate	Reward and Compensation Management

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

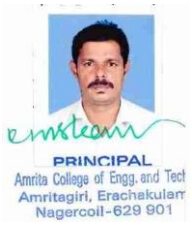| Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mrs. Akshera R V							
Date of Birth	25.08.1994							
Education Qualifications withclass obtained starting from thehighest degree	**Degree**		**Class Obtained**					
	PhD	-	-					
	PG	MBA	First					
	UG	BE	First					
	M.Phil.	-	-					
Work Experience	Teaching	1 year	Research	Nil	Industry	2	Others	Nil
Area of Specialization	HR & Finance							
Courses taught at Under Graduate/Post Graduate	Digital Marketing Social Media Web Analytics Industrial relations relations and labour legislation Legal aspects of Business							
Research guidance (Number ofStudents)	No. of papers published in National/International Journals/Conferences					-		
	Master(Completed/Ongoing)					-		
	Ph.D.(Completed/Ongoing)					-		
Projects Carried Out	-							
Patents(Filed&Granted)	-							
Technology Transfer	-							
Research Publications (No. of papers published in National/ International Journals/Conference)	-							
No. of Books published with details (Name of the book, Publisher withISBN, yearofpublication,etc.)	-							

Name of the faculty member with stamp-size photograph	Dr. S. Raja						
Date of Birth	07.05.1985						
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PhD	PhD	Awarded				
	PG	M. Sc	First				
	UG	B. Sc	First				
	M.Phil.	-	-				
Work Experience	Teaching	9 Year 10 Months	Research	4.4 Years	Industry	Nil	Others	Nil
Area of Specialization	Algebraic Graph Theory						
Courses taught at Under Graduate/Post Graduate	MA8151-Engineering Mathematics-I MA8252- Engineering Mathematics-II MA8351- Discrete Mathematics MA8451- Statistics and Numerical Methods MA8353-Transform and Partial differential equations MA8451-Probability and Random Processes MA7165 -Applied Probability and Statistics						
Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences		-				
	Master (Completed/Ongoing)		-				
	Ph.D. (Completed/Ongoing)		-				
Projects Carried Out	NIL						
Patents (Filed & Granted)	System and method for management of Landfill leachate-Filed						
Technology Transfer	-						
Research Publications (No. of papers published in National/ International Journals/ Conference)	16						
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	**02-Book Chapter** **01. Name of the Book**: Internet of Things and Big Data Applications **Publisher:** *Springer Nature Switzerland AG 2020* ISBN:978-3-030-39119-5 Year of Publication: 2020 *02.***Name of the Book**: Further Advances in Internet of Things in Biomedical and Cyber Physical Systems, Intelligent Systems **Publisher**: *Springer Nature Switzerland AG 2020* ISBN: 978-3-030-57835-0 Year of Publication: 2020						

Name of the faculty member with stamp-size photograph	Dr. S. Anukumar Kathirvel							
Date of Birth	17.02.1992							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	First Class with Distinction
	PG	M.Sc	First Class with Distinction
	UG	B.Sc	First Class with Distinction
	M.Phil.	-	First Class

Work Experience	Teaching	4 Years 1 Month	Research	6	Industry	-	Others	-
Area of Specialization	Algebraic Graph Theory							
Courses taught at Under Graduate / Post Graduate	4							

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Dr. R.K. SURESH
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ERACHAKULAM POST, NAGERCOIL
KANYAKUMARI DISTRICT - 829 902

Name of the faculty member with stamp-size photograph	Dr. S. ARUNA				
Date of Birth	12.07.1982				
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**		
	PhD	PhD	Awarded		
	PG	M.Sc.	First		
	UG	B.Sc.	First		
	M.Phil.	M.Phil.	First		
Work Experience	Teaching	7 Years	Research	-	Industry	-	Others	
Area of Specialization	Computational Fluid Dynamics				
Courses taught at Under Graduate/Post Graduate	Engineering Mathematics I Engineering Mathematics II Numerical Methods				
Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences			-	
	Master (Completed/Ongoing)			-	
	Ph.D. (Completed/Ongoing)			-	
Projects Carried Out	-				
Patents (Filed & Granted)	-				
Technology Transfer	-				
Research Publications (No. of papers published in National/ International Journals/ Conference)	4				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-				

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Nagercoil-629 901

Name of the faculty member with stamp-size photograph	Mr. Suria Prakash S	

	Degree	Class Obtained
Education Qualifications with class obtained starting from the highest degree	PhD —	—
	PG M.Sc.	First
	UG B.Sc.	Second
	M.Phil. M.Phil.	First

Work Experience	Teaching	12 Years	Research	-	Industry	-	Others	

Area of Specialization	Stochastic Process
Courses taught at Under Graduate/Post Graduate	Engineering Mathematics I Matrices Calculus Discrete Mathematics

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Kumara Dhas M					
Date of Birth	26.01.1985					

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	M.Sc	First
	UG	B.Sc	First
	M.Phil.	-	-

Work Experience	Teaching	8 Years 10 Months	Research	-	Industry	--	Others	-

Area of Specialization	Nanomaterials, Spectroscopy

Courses taught at Under Graduate/Post Graduate	UG-Engineering Physics

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-

Patents (Filed & Granted)	Published-1

Technology Transfer	-

Research Publications (No. of papers published in National/ International Journals/ Conference)	20

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Siva Priya M							
Date of Birth	10.04.1987							
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PhD	PhD	Awarded					
	PG	M.Sc	First					
	UG	B.Sc	First Class with Distinction					
	M.Phil.	-	-					
Work Experience	Teaching	3 Years 9 Months	Research	-	Industry	-	Others	-
Area of Specialization	Spectroscopy							
Courses taught at Under Graduate/Post Graduate	Engineering Physics							

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	3
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. S.R.Kalaivani		
Date of Birth	30-07-1981		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	M.Sc	First
	UG	B.Sc	First
	M.Phil.	M.Phil	First

Work Experience	Teaching	15.6 Years	Research	-	Industry	-	Others	-

Area of Specialization	Bio-Inorganic Chemistry
Courses taught at Under Graduate / Post Graduate	CY8151- Engineering Chemistry- I CY8251- Engineering Chemistry-II CY3151- Engineering Chemistry GE8291- Environmental Science and Engineering

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	03
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. A. Kumar		
Date of Birth	04.02.1969		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	M. Sc	First
	UG	B.Sc	First
	M.Phil.	M. Phil-	First

Work Experience	Teaching	30 Years 4 Months	Research	Nil	Industry	Nil	Others	Nil

Area of Specialization	Inorganic Chemistry
Courses taught at Under Graduate/Post Graduate	CY8151- Engineering Chemistry-I CY8251- Engineering Chemistry-II CY3151- Engineering Chemistry GE8291- Environmental Science and Engineering

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	**04**
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	**04** **Name of the Book**: Engineering Chemistry -I **Publisher**: Virutcham Publication Pvt. Ltd **ISBN:** 978-93-80314-01-3 **Year of Publication**:2008 **Name of the Book**: Engineering Chemistry -II **Publisher**: Virutcham Publication Pvt. Ltd **ISBN**: 978-93-80314-01-3 **Year of Publication**:2009 **Name of the Book**: Environmental Chemistry **Publisher**: Virutcham Publication Pvt. Ltd **ISBN**: 978-93-80314-01-3 **Year of Publication**:2009

Name of the faculty member with stamp-size photograph	Mrs. K. S. Priya							
Date of Birth	22.05.1986							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**					
	PhD	Pursuing	-					
	PG	M.A	First					
	UG	B.A	First					
	M.Phil.	English Literature	First with University2nd Rank					

Work Experience	Teaching	13 years 6 Months	Research	-	Industry	-	Others	-
Area of Specialization	English Language Teaching(ELT), Technical English							
Courses taught at Under Graduate/Post Graduate	Communicative English Technical English Professional English Spoken and Written Communication (MBA)							

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	National -3 International-7
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. S. Ajesh Kumar							
Date of Birth	30-05-1982							

Education Qualifications with class obtained starting from thehighest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	MA	First
	UG	BA	Second
	M.Phil.	-	First

Work Experience	Teaching	7 Years 8 Months	Research	-	Industry	-	Others	-

Area of Specialization	Canadian Literature
Courses taught at UnderGraduate/Post Graduate	Professional English I Professional English II Professional Communication Spoken and Written Communication

Research guidance (Number ofStudents)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

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Nagercoil-629 901

Name of the faculty member with stamp-size photograph	Dr. Sreena	
Date of Birth	24.09.1986	

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained
	PhD	PhD	Awarded
	PG	MA	First
	UG	BA	First
	M.Phil.	M.Phil	First

Work Experience	Teaching	5 Years 11 Months	Research	-	Industry	-	Others	-

Area of Specialization	English Language Teaching (ELT)

Courses taught at Under Graduate/Post Graduate	UG- Professional English I and Professional English II

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	21
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	21
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Vairavasamy N							
Date of Birth	06.01.1983							

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Pursuing
	PG	M.Sc.,	First
	UG	B.Sc.,	First
	M.Phil.		First

Work Experience	Teaching	15 Years 9 Months	Research	–	Industry	–	Others	–

Area of Specialization	Graph Theory

Courses taught at Under Graduate / Post Graduate	UG: Engg. Maths – I, Engg. Maths -II, TPDE, PQT, PRP, Discrete Mathematics, SNM, NM PG: Applied Probability and Statistics for CSE

Research guidance (Number of Students)	No. of papers published in National/International Journals / Conferences	0
	Master (Completed/Ongoing)	0
	Ph.D. (Completed/Ongoing)	0

Projects Carried Out	0
Patents (Filed & Granted)	0
Technology Transfer	0

Research Publications (No. of papers published in National/ International Journals/ Conference)	0

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	0

Name of the faculty member with stamp-size photograph	Dr. Prathibha R S						
Date of Birth	21.07.1979						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	M.Sc.	First
	UG	B.Sc.	First
	M.Phil.	-	First

Work Experience	Teaching	17 Years 4 Months	Research	-	Industry	-	Others	-

Area of Specialization	Coordination Chemistry
Courses taught at Under Graduate/Post Graduate	Engineering Chemistry, Environmental Chemistry Applied Chemistry Inorganic Chemistry

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	1
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	4
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	1

Name of the faculty member with stamp-size photograph	Dr. Suganth R		
Date of Birth	11.09.1992		
Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	MA	First
	UG	BA	First
	M.Phil.	-	First

Work Experience	Teaching		Research	-	Industry	-	Others	-

Area of Specialization	-
Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Suresh Kumar G S			
Date of Birth	21.06.1984			

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	M.Sc.	First
	UG	B.Sc.	First
	M.Phil.	-	First

Work Experience	Teaching	4 Years 7 Months	Research	-	Industry	1	Others	-

Area of Specialization	-
Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Dr. Nagendran R						
Date of Birth	28.07.1982						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	PhD	Awarded
	PG	M.Sc.	First
	UG	B.Sc.	First
	M.Phil.	-	First

Work Experience	Teaching	12 Years 3 Months	Research	-	Industry	-	Others	-

Area of Specialization	-

Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Chenthil Kumar C	
Date of Birth	08.09.1990	

Education Qualifications with class obtained starting from the highest degree	Degree		Class Obtained
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	Computer Aided Design							

Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Ms. Shalini A		
Date of Birth	20.11.1993		

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First Class with Distinction
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	-							

Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Nivesh S K						
Date of Birth	12.11.1996						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PhD	-	-				
	PG	ME	First				
	UG	B.TECH.	First				
	M.Phil.	-	-				

Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	-							

Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Mr. Gopi T	
Date of Birth	04.09.1990	

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	ME	First
	UG	BE	First
	M.Phil.	-	-

Work Experience	Teaching	-	Research	-	Industry	-	Others	-

Area of Specialization	-
Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Ms. Aishuwarya R J						
Date of Birth	16.04.1998						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**				
	PhD	-	-				
	PG	ME	First				
	UG	BE	First				
	M.Phil.	-	-				

Work Experience	Teaching	-	Research	-	Industry	-	Others	-
Area of Specialization	-							

Courses taught at Under Graduate/Post Graduate	-

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Name of the faculty member with stamp-size photograph	Ms. Siva Prathesha S						
Date of Birth	20.09.1997						

Education Qualifications with class obtained starting from the highest degree	**Degree**		**Class Obtained**
	PhD	-	-
	PG	MA	First
	UG	BA	First
	M.Phil.	-	First Class with Distinction

Work Experience	Teaching	7 months	Research	-	Industry	-	Others	-
Area of Specialization	Diasporic Literature							

Courses taught at Under Graduate/Post Graduate	Professional English I Professional English II ProfessionalCommunication

Research guidance (Number of Students)	No. of papers published in National/International Journals/Conferences	-
	Master (Completed/Ongoing)	-
	Ph.D. (Completed/Ongoing)	-

Projects Carried Out	-
Patents (Filed & Granted)	-
Technology Transfer	-
Research Publications (No. of papers published in National/ International Journals/ Conference)	-
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-

Dr. T. KANNAN. M.E.,Ph.D.
Principal
Amrita College of Engg. and Tech
Amritagiri, Erachakulam,
Nagercoil - 629 901

8	**Profile of Vice Chancellor/ Director/ Principal/Faculty**	

9	**Fee**	
☐	Details of Fee, as approved by State Fee Committee, for the Institution	**Rs. 85,000/-**
☐	Time schedule for payment of Fee for the entire Programme	**August**
☐	No. of Fee waivers granted with amount and name of students	**1. Abisha P S / Rs. 50,000/-**
☐	Number of scholarship offered by the Institution, duration and amount	**1. BC** **2. SC** **3. NSP** **4. 7.5 % Government School Scholarship**
☐	Criteria for Fee waivers/scholarship	**1**
☐	Estimated cost of Boarding and Lodging in Hostels	**Rs. 50,000 per Annum**
☐	Any other fee please specify	**Nil**

10	**Admission**	
☐	Number of seats sanctioned with the year of approval	**420**
☐	Number of Students admitted under various categories each year in the last three years	**2020-2021 - 179** **2021-2022 - 204** **2022-2023 - 331**
☐	Number of applications received during last two years for admission under Management Quota and number admitted	**2021-2022 - 232** **2022-2023 - 300**

11	**Admission Procedure**	
☐	Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)	**TNEA**
☐	Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)	**Nil**
☐	Calendar for admission against Management/vacant seats:	
	• Last date of request for applications	**30 July**
	• Last date of submission of applications	**05 August**
	• Dates for announcing final results	**10 August**
	• Release of admission list (main list and waiting list shall be announced on the same day)	**10 August**
	• Date for acceptance by the candidate (time given shall in no case be less than 15days)	**25 August**
	• Last date for closing of admission	**30 August**
	• Starting of the Academic session	**September**
	• The waiting list shall be activated only on the expiry of date of main list	**30 August**

	• The policy of refund of the Fee, in case of withdrawal, shall be clearly notified	**Fully Refund as per the policy**

12	**Criteria and Weightages for Admission**	
☐	Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.	**Entrance Exam Conducted by SFA**

☐	Mention the minimum Level of acceptance, if any	**50% of Marks**
☐	Mention the cut-off Levels of percentage and percent ilescore of the candidates in the admission test for the last three years	**2020-2021 – 120** **2021-2022 – 125** **2022-2023 – 140**
☐	Display marks scored in Test etc. and in aggregate for all candidates who were admitted	**Yes**

13	**List of Applicants**	
☐	List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)	**TNEA – 127** **MGT – 105**

14	**Results of Admission Under Management seats/Vacant seats**	
☐	Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)	**Yes**
☐	Score of the individual candidate admitted arranged in order or merit	**Merit**
☐	List of candidate who have been offered admission	**331**
☐	Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate	**30 August**
☐	List of the candidate who joined within the date, vacancy position in each category before operation of waiting list	**331, Vacancy: 89**

15	**Information of Infrastructure and other resources Available**	
☐	No. of Class Rooms and Size of each	**42, 68.85 sqm**
☐	No. of Tutorial Rooms and Size of each	**10, 68.85 sqm**
☐	No. of Laboratory and size of each	**38**

Sl. No.	Name of the Lab	Size in sqm
1.	Chemistry Lab	186
2.	Computer Lab	182
3.	Physics Lab	197
4.	Amrita Centre for Automation& Robotics	95
5.	Integrated Circuits Lab	99
6.	Electronics Circuits Lab	147
7.	Advanced Embedded System Lab	74
8.	Microprocessor & Embeded System Lab	98
9.	Advanced Communication System Lab	74
10.	Digital Signal Processing & VLSI Lab	98
11.	Data Analysis & Business Modeling Lab	74
12.	Electrical Machine Lab	218
13.	Manufacturing Technology Lab	96
14.	Engineering Practice Lab	97
15.	Networks Lab	126
16.	Software Engineering Lab	127
17.	Design and Development lab	127
18.	Android and Cloud Computing Lab	127
19.	Artificial Intelligence & Machine Learning Lab	141
20.	Fluid Mechanics Lab	264
21.	Strength of Material Lab	234
22.	Soil Mechanics Lab	142
23.	Survey Lab	85
24.	Power Electronics Lab	160
25.	Control System Lab	160
26.	Engineering Practice Lab	81
27.	Computer and CAD Lab	170
28.	Environmental Engineering Lab	86
29.	Manufacturing Technology Lab-1	208
30.	Foundary Lab	85
31.	Thermal Lab- I	114
32.	Thermal Lab – II	114
33.	CAD/CAM Lab	114
34.	Mechatronics Lab	114
35.	Kinematics & Dynamic Lab	88
36.	Mechanical Project Lab	60
37.	Metrology & Measurements Lab	93
38.	language Lab	141

☐	Number of Drawing Hall with Capacity of Each	1. 219 2. 212 3. 203
☐	Number of Computer Centres with capacity of each	**Five**
☐	Central Examination Facilities, Number of Rooms and Capacity for each	**Yes, 42**
☐	No. of Class Rooms and Size of each	**19, 81.435**
☐	Online Examination Facilities (No. of nodes, Internet Bandwidth, etc)	**588 Nodes, 300 Mbps**
☐	Barrier free built environment for disabled and elderly Persons	**Yes**
☐	Occupancy Certificate	**Yes**
☐	Fire and Safety Certificate	**Yes**
☐	Hostel Facilities	**Yes**

Library:

1. **Number of Library Books / Title / Journal Available (Programme-wise)**

Sl. No.	Departments	Books		Journals (Print)	
		Title	Volume	National	International
1	Civil Engineering	1080	3113	6	6
2	Computer Science Engineering	6630	12000	6	6
3	Electrical & Electronics Engineering	2350	4702	6	6
4	Electronics and Communications Engineering	1820	4225	6	6
5	Mechanical Engineering	3650	6606	6	6
6	Artificial Intelligence and Data Science	200	800	6	6
7	Management Studies	4735	9764	6	6
8	Computer Science Engineering - PG	1500	3540	6	6
9	Embedded Systems - PG	1815	3055	6	6
10	Science and Humanities	4845	7128	-	-
	Total	**28625**	**55157**	**54**	**54**

Sl. No.	Name of the Journals	Number
1	National (Print)	54
2	International (Print)	54
3	E-Journals	543

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

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

(Managed by Mata Amritanandamayi Math, Kollam)

Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

2. National Journal (Print)

Sl. No.	Name of the Journals	Dept.
1	INCOLD Journal (Journal of Indian Committee on Large Dams)	Civil
2	ISRM Journal (Journal of Indian National Group of ISRM	
3	IWRA – (India) Journal (Journal of Indian Geographical Committee of IWRA)	
4	Water And Energy International Journal	
5	Journal of Structural Engineering	
6	The Indian Concrete Journal	
7	Indian Journal of Computer Science	CSE
8	Journal of Information Technology	
9	Journal of Network Security and Data Mining	
10	Journal of Advancement in Software Engineering and Testing	
11	Journal of Advance Research in Mobile Computing	
12	Indian Journal of Computer Science	
13	Journal of VLSI Design and its Advancement	ECE
14	Journal of Sensor Research and Technologies	
15	IETE Journal of Research	
16	IETE Technical Review	
17	Journal of Telecommunications	
18	Journal of Advance Research in Embedded System	
19	GIGRE –Indian Journal of (The International Council of Large Electric Systems)(CBIPJ)	EEE
20	Journal of The International Association of Electricity Generation Transmission And Distribution (AARO) (CBIPJ)	
21	Power Engineering Journal – The Society of Power Engineers (INDIA) (CBIPJ)	
22	TERI Information Digest on Energy And Environment	
23	IEEMA Journal	
24	Power Research – A Journal of CPRI	
25	Indian Foundry Journal	Mech
26	Indian Journal of Engineering and Materials Science	
27	Industrial Engineering Journal	
28	Manufacturing Technology Today (MTT)	
29	Indian Journal of Product Design and Development	
30	Indian Journal of Thermal and Fluid Engineering	
31	Current Development in Artificial Intelligence	AIDS
32	Global Journal of Computational Intelligence Research	
33	Recent Trends in Artificial Intelligence & Its Applications	
34	Journal of Image Processing and Artificial Intelligence	
35	Journal of Advances in Computational Intelligence Theory	
36	Journal of Innovation in Computer Science and Engineering	
37	International Journal of Computer Science & Engineering	CSE- PG

38	International Journal of Computer Vision & Image Processing	
39	Research and Reviews: Advancement in Robotics	
40	Recent Trends in Androids and IOS Applications	
41	Recent Innovations in Wireless Network Security	
42	Journal of Advancement in Parallel Computing	
43	Research and Applications of Web Development and Design	ECE - PG
44	Research and Applications Embedded System	
45	Journal of Advancement in Communication System	
46	Journal of Embedded Systems and Processing	
47	Journal of Analog and Digital Devices	
48	Journal of Electronics and Communication Systems	
49	Indian Journal of Marketing	MBA
50	Indian Journal of Economics And Research	
51	Indian Journal of Finance	
52	Prabadhan: Indian Journal of Management	
53	Finance India	
54	IIMB Management Review	

3. International Journal (Print)

Sl. No.	Name of the Journals	Dept.
1	International Journal of Advance in Civil Engineering	Civil
2	International Journal of Civil Engineering and Construction Technology	
3	International Journal of Engineering and Architectural Engineering	
4	International Journal of Civil Engineering Research	
5	International Journal of Materials in Civil Engineering	
6	International Journal of Civil Engineering and Materials & Construction	
7	International Journal of Computer Science and Communication	CSE
8	International Journal of Computer Science and Information Technology	
9	International Journal of Computer Science & Knowledge Engineering	
10	International Journal of Computer Science & Management Systems	
11	International Journal of Computer Science & Software Technology	
12	International Journal of Computer Science & Engineering Systems	
13	International Journal of Electronics & Communication Engineering	ECE
14	International Journal of Electronic Networks Device and Fields	
15	International Journal of Microcircuits and Electronic	
16	International Journal of Electronics Engineering Research	
17	International Journal of Electronic and Communication Research	
18	International Journal of Electronic Engineering and Communication Engineering	

19	International Journal of Advance in Power Electronics	EEE
20	International Journal of Electric Power Systems and Energy Conversion	
21	International Journal of Electrical & Computer Engineering	
22	International Journal of Electrical Energy Systems	
23	International Journal of Electrical Engineering & Embedded Systems	
24	International Journal of Electrical Systems and Control	
25	International Journal of Mechanical Engineering	Mech
26	International Journal of Materials Science & Engineering	
27	International Journal of Mechanics and Thermodynamics	
28	International Journal of Mechanical Engineering and Research	
29	International Journal of Machine Tools & Maintenance Engineering	
30	International Journal of Mechanics and Solids	
31	International Journal of Applied Artificial Intelligence in Engineering System	AIDS
32	International Journal of Information Technology and Data Base Systems	
33	International Journal of Applied Artificial Intelligence and Computational Research	
34	International Journal of Data Analysis and Information Systems	
35	International Journal of Computational Intelligence Research and Application	
36	Journal of Computational Intelligence in Bioinformatics	
37	International Journal of Computer and Internet Security	CSE- PG
38	International Journal of Computer Simulation	
39	International Journal of Computational Intelligence Research	
40	International Journal of Computer & Digital Techniques	
41	International Journal of Soft Computing Processing and Technique	
42	International Journal of Secure Internet and Computer Security	
43	International Journal of Electrical Engineering & Embedded Systems	ECE - PG
44	International Journal of Embedded Software & Open Source Systems	
45	International Journal of Advances in Embedded System Research	
46	International Journal of Embedded Systems and Communication Systems	
47	International Journal of Embedded System in Power Control	
48	Global Journal of Embedded System in Engineering Research	
49	International Journal of Business and Retail Management Research	MBA
50	International Journal of Business Intelligence and Management	
51	International Journal of Business Management Economics & Information Technology	
52	International Journal of Business Statistics & Finance	
53	International Journal of Human Resource & Business Management	
54	International Journal of Market Research & Market Technology	

4. List of Online National / International Journal subscribed

Sr. No.	Name of Journals
1	Advanced Modeling and Simulation in Engineering Sciences
2	Advances in Automobile Engineering
3	Automotive Experiences
4	Open Engineering
5	Engine & Automotive Engineering
6	European Transport Research Review
7	Frontiers in Mechanical Engineering
8	IEEE Open Journal of Vehicular Technology
9	International Journal of Automotive and Mechanical Engineering
10	International Journal of Automotive engineering
11	International Journal of Automotive Engineering & Technologies
12	International Journal of Automotive Science and Technology
13	International Journal of Mechanical and Materials Engineering
14	International Journal of Research in Mechanical Mechatronics and automobile engineering (IJRMMAE)
15	LOGI - Scientific Journal on Transport and Logistics
16	Advanced Computing : an International Journal
17	Advances in Distributed Computing and Artificial Intelligence Journal
18	Advances in Electrical and Computer Engineering
19	Advances in Human-Computer Interaction
20	Advances in Internet of Things
21	Advances in Multimedia
22	African Journal of Information Systems
23	Ajis : Australasian Journal of Information Systems
24	Annals of computer science and information systems
25	Applied Computational Intelligence and Soft Computing
26	Applied Computer Science
27	Applied Computer Systems
28	Baltic Journal of Modern Computing
29	Brain. Broad Research in Artificial Intelligence and Neuroscience
30	CAAI Transactions on Intelligence Technology
31	Cognitive Computation and Systems
32	Communications and Network
33	Computation
34	Computational Communication Research
35	Computational Ecology and Software
36	Computational Engineering and Physical Modeling
37	Computational Intelligence and Neuroscience
38	Computational Social Networks

39	Computer and Information Science
40	Computer Science
41	Computer Science and Information Systems
42	Computers
43	Computers and Education Open
44	Crosstalk : Journal of Defense Software Engineering
45	Digital Studies
46	Database : the Journal of Biological Databases and Curation
47	Digital Culture & Education
48	Data Science and Engineering
49	Discover Internet of Things
50	Discrete and Continuous Models and Applied Computational Science
51	EAI Endorsed Transactions on Cloud Systems
52	Egyptian Informatics Journal
53	e-Informatica Software Engineering Journal
54	E-learning and Education
55	Electronic Communications of the EASST
56	Electronic Proceedings in Theoretical Computer Science
57	Engineering Letters
58	EURASIP Journal on Information Security
59	First Monday
60	Foundations of Computing and Decision Sciences
61	Frontiers in Artificial Intelligence
62	Frontiers in Computer Science
63	Frontiers in Robotics and AI
64	Future Internet
65	Game Studies
66	GigaByte
67	Graphics and Visual Computing
68	Human Technology
69	IAENG International Journal of Computer Science
70	IEEE Open Journal of the Computer Society
71	IET Computers & Digital Techniques
72	IET Cyber-systems and Robotics
73	IET Image Processing
74	IJAIN (International Journal of Advances in Intelligent Informatics)
75	IJID (International Journal on Informatics for Development)
76	Indian Journal of Computer Science and Engineering
77	IJIE (Indonesian Journal of Informatics Education)
78	Information Technology Journal
79	Intelligent Control and Automation
80	Intelligent Information Management
81	Interdisciplinary Journal of Information, Knowledge, and Management
82	The International Arab Journal of Information Technology

83	International Journal of Ad Hoc, Sensor & Ubiquitous Computing
84	Informatics in Education
85	International Journal of Advanced Computer Sciences and Applications
86	International Journal of Artificial Intelligence & Applications
87	International Journal of Applied Mathematics and Computer Science
88	International Journal of Communication Networks and Information Security
89	International Journal of Computer Games Technology
90	International Journal of Computer Networks & Communications
91	International Journal of Computer Science & Information Technology
92	International Journal of Computer Science and Communication
93	International Journal of Computer Science and Engineering Survey
94	International Journal of Computer Science and Information Technologies
95	International Journal of Computer Science and Management Studies
96	International Journal of Computer Science Issues
97	International Journal of Computer Science, Engineering and Applications (IJCSEA)
98	International Journal of Computational Methods and Experimental Measurements
99	International Journal of Computer Applications Technology and Research
100	International Journal of Database Management Systems
101	International Journal of Distributed and Parallel Systems
102	International Journal of Distributed Sensor Networks
103	International Journal of Doctoral Studies
104	International Journal of Education and Development using Information and Communication Technology
105	International Journal of Future Generation Communication and Networking
106	International Journal of Hybrid Information Technology
107	International Journal of Image, Graphics and Signal Processing
108	International Journal of Computers Communications & Control
109	International Journal of Information Engineering and Electronic Business
110	nternational Journal of Information Technology and Computer Science
111	International Journal of Intelligent Systems and Applications
112	International Journal of Managing Information Technology
113	International Journal of Modern Education and Computer Science
114	International Journal of Multimedia & Its Applications
115	International Journal of Network Security
116	International Journal of Network Security & Its Applications
117	International Journal of Reconfigurable Computing
118	International Journal of Signal and Image Processing
119	International Journal of Simulation : Systems, Science and Technology
120	International Journal of Web & Semantic Technology
121	International Journal on Electrical Engineering and Informatics
122	International Journal of Information Security Science
123	IoT
124	ISEL Academic Journal of Electronics, Telecommunications and Computers
125	Issues in Information Systems

126	JITeCS (Journal of Information Technology and Computer Science)
127	JOIV: International Journal on Informatics Visualization
128	Jordanian Journal of Computers and Information Technology
129	Journal of Applied Computer Science & Mathematics
130	Journal of Artificial Intelligence and Data Mining
131	Journal of Cloud Computing: Advances, Systems and Applications
132	Journal of Communications Software and Systems
133	Journal of Computational Geometry
134	Journal of Computer and Robotics
135	Journal of Computer Networks and Communications
136	Journal of Computer Science and Technology
137	Journal of Computer Systems, Networks, and Communications
138	Journal of Computing Research and Innovation
139	Journal of Data and Information Science
140	Journal of Electrical Systems and Information Technology
141	Journal of Intelligent Systems
142	International Journal on Smart Sensing and Intelligent Systems
143	Journal of Internet Services and Information Security
144	International Journal on Soft Computing
145	Journal of Open Source Software
146	The Journal of Artificial Intelligence Research
147	Journal of Machine Learning Research
148	Journal of Software Engineering Research and Development
149	Journal of Universal Computer Science
150	Knowledge Engineering and Data Science
151	Logical Methods in Computer Science
152	Machine Learning: Science and Technology
153	Mathematical and Computer Modelling of Dynamical Systems
154	Journal of Software Engineering and Applications
155	Journal of Systemics, Cybernetics and Informatics
156	Journal of Theoretical and Applied Information Technology
157	Neuromorphic Computing and Engineering
158	Open Computer Science
159	Peer J Computer Science
160	Proceedings on Privacy Enhancing Technologies
161	Scientific Phone Apps and Mobile Devices
162	Scientific Programming
163	Soft Computing Letters
164	Software X
165	South African Computer Journal
166	Signal & Image Processing
167	Supercomputing Frontiers and Innovations
168	Systems, Signs & Actions
169	Theory and Applications of Mathematics & Computer Science

170	Transactions on Data Privacy
171	The International Journal on Advances in ICT for Emerging Regions
172	Vietnam Journal of Computer Science
173	Virtual Reality & Intelligent Hardware
174	Wireless Sensor Network
175	Acta Polytechnica CTU Proceedings
176	Advanced Industrial and Engineering Polymer Research
177	Advances in Civil Engineering
178	Advances in Materials Physics and Chemistry
179	Advances in Materials Science and Engineering
180	Ain Shams Engineering Journal
181	Alexandria Engineering Journal
182	American Journal of Engineering and Applied Sciences
183	Annals of the Faculty of Engineering Hunedoara
184	Applications of Modelling and Simulation
185	Applied Computational Intelligence and Soft Computing
186	Archives of Civil Engineering
187	Arid Zone Journal of Engineering, Technology and Environment
188	ARPN Journal of Engineering and Applied Sciences
189	Atmospheric Measurement Techniques
190	Australasian Journal of Construction Economics and Building
191	AUT Journal of Civil Engineering
192	Bulletin of Materials Science
193	Civil and Environmental Engineering
194	Civil and Environmental Engineering Reports
195	Civil and Environmental Science Journal
196	Civil Engineering Dimension
197	Civil Engineering Infrastructures Journal
198	Civil Engineering Journal
199	Cleaner Engineering and Technology
200	Coatings
201	Cogent Engineering
202	Computational Engineering and Physical Modeling
203	Construction Economics and Building
204	Curved and Layered Structures
205	Design Science
206	Designs
207	Detritus Journal
208	Developments in the Built Environment
209	Electronic Journal of the Faculty of Civil Engineering Osijek
210	Engineering
211	Engineering Heritage Journal
212	Engineering Journal
213	Engineering Reports

214	Engineering, Technology & Applied Science Research
215	eXPRESS Polymer Letters
216	FME Transactions
217	Fracture and Structural Intregrity
218	Frontiers in Built Environment
219	Geodinamica Acta
220	Graevinar Civil Engineer
221	Heritage and Sustainable Development
222	IET Smart Cities
223	IETI Transactions on Ergonomics and Safety
224	Indian Journal of Engineering & Materials Sciences
225	Infrastructures
226	International Journal for Computational Civil and Structural Engineering
227	International Journal for Service Learning in Engineering
228	International Journal of Concrete Structures and Materials
229	International Journal of Corrosion
230	International Journal of Disaster Risk Science
231	International Journal of Engineering and Geosciences
232	International Journal of Engineering and Technology Innovation
233	International Journal of Engineering Research and Applications
234	International Journal of Geo-Engineering
235	International Journal of Nano Dimension
236	International Journal of Rotating Machinery
237	ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences
238	Japan Architectural Review
239	Journal of Accessibility and Design for All
240	Journal of Applied Engineering and Technological Science
241	Journal of Applied Volcanology
242	Journal of Civil Engineering and Management
243	Journal of Civil Engineering, Science and Technology
244	Journal of Design and the Built Environment
245	Journal of Disaster and Emergency Research
246	Journal of Engineering and Technological Sciences
247	Journal of Engineering Science
248	Journal of Engineering Science and Technology Review
249	Journal of Engineering Sciences and Innovation
250	Journal of Environmental Engineering and Landscape Management
251	Journal of Flood Risk Management
252	Journal of Infrastructure Preservation and Resilience
253	Journal of Materials and Engineering Structures
254	Journal of Nanomaterials
255	Journal of Pipeline Science and Engineering
256	Journal of Rehabilitation in Civil Engineering

257	Journal of Research and Innovation for Sustainable Society
258	Journal of Risk Analysis and Crisis Response
259	Journal of Rock Mechanics and Geotechnical Engineering
260	Journal of Soft Computing in Civil Engineering
261	Journal of Sustainable Architecture and Civil Engineering
262	Journal of Sustainable Construction Materials and Technologies
263	Journal of Sustainable Design and Applied Research in Innovative Engineering of the Built Environment
264	Journal of the Civil Engineering Forum
265	Latin American Journal of Solids and Structures
266	Magazine of Civil Engineering
267	Maintenance and Reliability
268	Materials Sciences and Applications
269	Mathematical Problems in Engineering
270	Modelling and Simulation in Engineering
271	Nordic Journal of Surveying and Real Estate Research
272	Open Civil Engineering Journal
273	Organization, Technology and Management in Construction: An International Journal
274	Research Journal of Applied Sciences, Engineering and Technology
275	Research Letters in Nanotechnology
276	Safety & Fire Technique
277	Selected Scientific Papers: Journal of Civil Engineering
278	Slovak Journal of Civil Engineering
279	Smart Cities
280	Soils and Rocks
281	Sustainable Engineering and Innovation
282	TeMA: Journal of Land Use, Mobility and Environment
283	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences
284	AIMS Electronics and Electrical Engineering
285	American Journal of Electrical and Electronic Engineering
286	American Journal of Embedded Systems and Application
287	EAI Endorsed Transactions on Industrial Networks and Intelligent Systems
288	Electrical, Control and Communication Engineering
289	Electronics
290	Electronics Letters
291	Facta Universitatis. Series: Electronics and Energetics
292	ICTACT Journal on Communication Technology
293	IEEE Open Journal of Power Electronics
294	IEEE Open Journal of the Communications Society
295	IEEE Open Journal of the Industrial Electronics Society
296	IET Communications
297	IET Optoelectronics

298	IET Power Electronics
299	IET Quantum Communication
300	International Journal of Computer and Communication Engineering
301	International Journal of Computers Communications & Control
302	International Journal of Electrical and Electronic Engineering & Telecommunication
303	International Journal of Electrical, Electronics and Data Communication(IJEEDC)
304	International Journal of Electronics and Telecommunications
305	International Journal of Engineering Research in Electronics and Communication Engineering
306	International Journal of Wireless & Mobile Network (IJWMN)
307	IOSR Journal of Electronics and Communication Engineering(IOSR-JECE)
308	Iranian Journal of Electrical and Electronic Engineering
309	ISEL Academic Journal of Electronics, Telecommunications and Computers
310	ITB Journal of Information and Communication Technology
311	Journal of Computer Systems, Networks, and Communications
312	Journal of Electronics and Information Science
313	Journal of Electronics, Electromedical Engineering, and Medical Informatics
314	Journal of ICT
315	Journal of Information Systems and Telecommunication
316	Journal of Internet Services and Applications
317	Journal of Low Power Electronics and Applications
318	npj Flexible Electronics
319	Power Electronics and Drives
320	Research Briefs on Information & Communication Technology Evolution
321	Semiconductor Physics, Quantum Electronics & Optoelectronics
322	Solid State Electronics Letters
323	The African Journal of Information and Communication
324	Acta Mechatronica
325	Advances in Mechanical Engineering
326	Advances in Tribology
327	American Journal of Mechanical Engineering
328	Archive of Mechanical Engineering
329	Chinese Journal of Mechanical Engineering
330	Engineering Applications of Computational Fluid Mechanics
331	Facta Universitatis. Series: Mechanical Engineering
332	Friction
333	Frontiers in Mechanical Engineering
334	International Journal of Automotive and Mechanical Engineering
335	International Journal of Mechanical and Materials Engineering
336	International Journal of Mechanical Engineering and Applications
337	International Journal of Mechanical Engineering and Robotics Research
338	International Journal of Turbomachinery, Propulsion and Power
339	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)
340	JEMMME (Journal of Energy, Mechanical, Material, and Manufacturing Engineering)
341	Jordan Journal of Mechanical and Industrial Engineering
342	Journal of Applied Fluid Mechanics

343	Journal of Computational and Applied Mechanics
344	Journal of Engineering Mechanics and Machinery
345	Journal of Low Frequency Noise, Vibration and Active Control
346	Journal of Mechanical Engineering
347	Journal of Mechanical Engineering and Sciences
348	Journal of Mechanical Engineering and Technology
349	Journal of Mechanical Engineering Research and Developments
350	Journal of Mechanics
351	Journal of Mechatronics, Electrical Power, and Vehicular Technology
352	Journal of Renewable Energy and Mechanics
353	Journal of Robotics
354	Journal of the Mechanical Behavior of Materials
355	Machines
356	Mechanical Engineering Journal
357	Mechanical Sciences
358	Mechanics & Industry
359	Modern Mechanical Engineering
360	Periodica Polytechnica Mechanical Engineering
361	ROBOMECH Journal
362	Theoretical and Applied Mechanics Letters
363	Tribology in Industry
364	Academic Finance
365	Academic Journal of Business, Administration, Law and Social Sciences
366	Academy of Accounting and Financial Studies Journal
367	Account and Financial Management Journal
368	Accounting & Finance Research
369	Accounting Analysis Journal
370	Accounting Research Journal
371	African Journal of Business Management
372	AGRARIS-Journal of Agribusiness and Rural Development Research
373	American Journal of Industrial and Business Management
374	Arabian Journal of Business and Management Review
375	Asian Academy of Management Journal of Accounting and Finance(Scopus)
376	Asian Journal of Accounting Research
377	Asian Journal of Business and Accounting
378	Asian Journal of Business and Management
379	Asian Journal of Finance & Accounting
380	Asian Journal of Shipping and Logistics(Scopus)
381	Australasian Accounting, Business and Finance Journal(Scopus)
382	B Quest
383	Banks and Bank Systems(Scopus)
384	BAR - Brazilian Administration Review(Scopus)
385	Binus Business Review
386	British Journal of Economics, Finance and Management Sciences
387	Business & Economic Journal
388	Central European Journal of Labour Law and Personnel Management

389	China Journal of Accounting Research(Scopus)
390	Cogent Business & Management
391	Communications of the IBIMA
392	Construction Economics and Building(Scopus)
393	Econometric Research in Finance
394	Economic and Business Review
395	e-Finanse
396	Electronic Journal of Business Ethics and Organization Studies
397	Electronic Journal of Knowledge Management
398	Eurasian Journal of Business and Economics
399	European Journal of Islamic Finance
400	European Journal of Management Issues
401	European Research on Management and Business Economics(Scopus)
402	Finance, Accounting and Business Analysis
403	Financial Internet Quarterly
404	Financial Markets, Institutions and Risks
405	Financial Studies
406	Foundations of Management(Scopus)
407	Frontiers Journal of Accounting and Business Research
408	Gadjah Mada International Journal of Business(Scopus)
409	Global Business and Finance Review
410	Global Business Languages
411	Global Journal of Accounting and Finance
412	Green Finance
413	Harvard Deusto Business Research
414	IIMB Management Review(Scopus)
415	Indian Journal of Finance and Banking
416	Industrial Marketing Management
417	Informatics
418	Information Management and Business Review
419	Innovative and Economic Research Journal
420	Intangible Capital(Scopus)(Web of Sciences)
421	International Business Management
422	International food and agribusiness management review(Scopus)
423	International Journal of Academic Research in Accounting, Finance and Management Sciences
424	International Journal of Accounting & Finance Review
425	International Journal of Accounting Research
426	International Journal of Banking, Accounting and Finance
427	International Journal of Business & Economic Development
428	International Journal of Business Administration
429	International Journal of Business and Economic Sciences Applied Research
430	International Journal of Business and General Management
431	International Journal of Business and Management

432	International Journal of Business and Management Studies
433	International Journal of Business and Social Research
434	International Journal of Business Marketing and Management
435	International Journal of Business Research and Management
436	International Journal of Business Science and Applied Management
437	International Journal of Communication
438	International Journal of Computer Information Systems and Industrial Management Applications(Scopus)
439	International Journal of Design(Scopus)
440	International Journal of e Business and e Government Studies
441	International Journal of Econometrics and Financial Management
442	International Journal of Economics & Management Sciences
443	International Journal of Economics and Financial Issues
444	International Journal of Economics, Commerce and Management
445	International Journal of Educational Leadership and Management
446	International journal of engineering business management(Scopus)
447	International Journal of Entrepreneurial Knowledge
448	International Journal of Finance & Banking Studies
449	International Journal of Financial Management
450	International Journal of Financial Management and Economics
451	International Journal of Financial Research
452	International Journal of Financial Studies
453	International Journal of Health Geographics (Scopus)

5. E-Library – **Available**

6. National Digital Library (NDL) Subscription Details

INTNNC3YF4MWITY

Laboratory and Workshop:

List of Major Equipment's/facilities in each laboratory/workshop:

SL. No	Degree	Course	Semester	Regulation	Name of the Laboratory subject	Name of the Equipments / Software	Available
1	B.E.	General Engineering	1	2021	GE3171 PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	Server with Python (3 interpreter for Windows/Linux)	1
2	B.E.	General Engineering	1	2021	GE3171 PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	Stand alone desktops (Windows/Linux) with Python 3 interpreter	30
3	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Drilling Machines	5
4	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Gas welding unit	2
5	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Bench hold fastens	15
6	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Centrifugal pump	2
7	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Continuity tester	15
8	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Firmer Chisel	15
9	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Hand Saw	15
10	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Household mixer	2
11	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used Laptop	2
12	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used desktop computer	2
13	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Die Holder with Die set	15

14	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Divider	5
15	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wood Cutting Machine	2
16	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wige gauges	2
17	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Raising hammer	5
18	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Prick Punches	5
19	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pipe Vice	15
20	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Emergency lamp wiring setup	2
21	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pattern	5
22	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pliers	5
23	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Multi meter	15
24	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Motrin Chisel	15
25	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Mallet	15
26	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Lathe Machines	5
27	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Iron Jack	15
28	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Iron box wiring setup	2
29	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Air-conditioner unit	2

30	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Anvil	3
31	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Arc welding unit	5
32	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Ball pean hammer	5
33	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Bend snips	5
34	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Capacitors	200
35	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Carpentry bench wise	15
36	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Centre punches	5
37	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Cope and Drag Box	5
38	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	DC Multi-output power supply (0-5V),(0-30V)(+15V,-15V)	2
39	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Diodes	200
40	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Trowel	5
41	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Tri Square	15
42	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Transistors	200
43	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Trammel	5
44	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Swage block	3
45	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Straight snips	5

46	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Steel rule	2
47	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Staircase wiring setup	2
48	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Square free hammer	5
49	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Sprue	5
50	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Split pattern	5
51	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Solid pattern	5
52	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Soldering Iron, Lead	15
53	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Single phase house wiring setup	2
54	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Scriber	5
55	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Sand reamer	5
56	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Runner	5
57	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Riverting hammer	5
58	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Riser	5
59	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Three phase house wiring setup	2
60	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Resistors	200
61	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Emergency lamp wiring setup	2

62	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used LED TV	2
63	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Fluorescent lamp wiring setup	5
64	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wooden Bench Hook	15
65	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	45 inclined glass plate set-up, two optically plane glass plates, sodium vapour lamp, travelling microscope, thin wire/thin strip of paper	5
66	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Hot Air Oven	1
67	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Flame photometer	3
68	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Diode laser (green or red), iron stand, compact disc, 1m-wooden scale, screen, stand	5
69	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Electronic Balance (Four digit)	1
70	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	He-Ne/Diode laser (red), Green diode laser, Grating, Screen, Iron stand (3 Nos), 1m wooden scale, thread.	5
71	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Hotplate with temperature controller	5
72	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Lattice dynamics kit with built-in audio oscillator and electrical transmission line(for mono and di-atomic lattices), general purpose CRO having XY mode.	0
73	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Michelson interferometer set-up, sodium vapour lamp and accessories	0
74	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Muffle furnace	1
75	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Non-uniform bending: 1 meter wooden scale, two-knife edges, travelling microscope, weight hanger with slotted weights, screw gauge, Vernier calliper, pin	5
76	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Photoelectric effect apparatus with necessary accessories, tungsten-halogen lamp, Cesium-type vacuum photodiode.	0
77	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Post office box, 5V power supply, thermometer, galvanometer, semiconductor (thermistor), variable temperature bath set-up (oil, temperature controller, vessel, hot plate.	5
78	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Simple harmonic oscillations of cantilever: 1 meter wooden scale, G-clamp, weight hanger with slotted weights, Vernier calliper, Screw gauge, stop clock	5

79	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Torsional Pendulum, stop clock, suspension metallic wire: two different thickness, two identical cylindrical mass, screw gauge, wooden scale	5
80	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Ultrasonic interferometer apparatus with high frequency wave generator, cell, micrometer, PZ crystal, water or other liquids	5
81	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Uniform bending: 1 meter wooden scale, two-knife edges, travelling microscope, two weight hanger with slotted weights, screw gauge, Vernier calliper, pin	5
82	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	PH meter	15
83	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	He-Ne laser, CCl4 liquid or Benzene liquid, Glass cell with sample liquid (kerosene/Toluene/Turpentine/Benzene or CCl4 liquid), RF oscillator fitted with a frequency meter, Piezoelectric crystal, Electrodes (crystal holder), Screen, iron stand (two numbers), 1m wooden scale, thread.	2
84	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Melde's string apparatus, thread and weight pan, weight hanger and slotted weights.	5
85	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Magnetic stirrer	2
86	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Potentiometer	15
87	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Conductivity meter	15
88	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Diode laser (green or red), fiber optic cable, movable arrangement with a screen for measuring spot size (zig), meter scale, stand	5
89	B.E.	Computer Science and Engineering	2	2021	CS3271 PROGRAMMING IN C LABORATORY	Systems with Linux Operating System with GNU compiler	30
90	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Theodolite	10
91	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Total Station	4
92	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Tilting Level	3
93	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Steel Arrows	100
94	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Ranging Rod	50
95	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Prismatic Compass	10
96	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Levelling Staff	10

97	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Dumpy Level	5
98	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Cross Staff	10
99	B.E.	Civil Engineering	3	2021	CE3361 SURVEYING AND LEVELLING LABORATORY	Chain	10
100	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Multimeter	1
101	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Multimeter	1
102	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Bread board	1
103	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Autotransformer	1
104	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Ammeters 0-10 A, MI	2
105	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Ammeters (0-100mA, 0-25mA, 0-1mA)	1
106	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Ammeter MI (0-20A)	1
107	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Ammeter MC (0-20A)	1
108	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Ammeter (0-30) A, (0-5) A	1
109	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Ammeter (0-30 A), (0-2A)	1

110	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Bread board	1
111	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Wattmeters 0-5 A, 300V	2
112	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Bread board	1
113	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Wattmeter – 300V, 5A, UPF	1
114	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Wattmeter – 300V, 30 A	1
115	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Voltmeter MI (0-300)V	1
116	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Voltmeter MC (0-300)V	1
117	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Voltmeter (0-30V)	1
118	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Voltmeter 0-300v,MI	1
119	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Voltmeter(0- 300V)	1
120	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Voltmeter (0-150)V, (0-300)V	1

121	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Voltmeter (0-100V)	1
122	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Transistor (No-BC548)	1
123	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Transformer (6-0-6)V	1
124	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Three Phase Variable Load	1
125	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Tachometer – Digital	1
126	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Tachometer	1
127	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Tachometer	1
128	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Single phase Transformer	1
129	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Single phase Induction motor	1
130	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	SCR TYN604	1
131	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Rheostat 7.5 Ω, 10 A	1

132	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Rheostat 175Ω, 250 Ω	1
133	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Resistors- 1kΩ, 470KΩ, 1MΩ	1
134	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Resistors 1KΩ, 1KΩ	1
135	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Resistors	1
136	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	resistor (1KΩ, 100KΩ)	1
137	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Bread Board	1
138	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Bread Board	1
139	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Bread Board	1
140	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Bread Board	1
141	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Capacitor 100μF	1
142	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting wires	1

143	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting wires	1
144	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting wires	1
145	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting wires	1
146	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting wires	1
147	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting Wires	1
148	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting Wires	1
149	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting Wires	1
150	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting Wires	1
151	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting Wires	1
152	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Connecting Wires	1
153	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	CRO	1

154	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Resistor 1 KΩ, 100Ω	1
155	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Resistor 1KΩ	1
156	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	PN Diode (BY127, OA79), Zener diode (6.8V, 1A)	1
157	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	D C Power Supply (0-128 V), (0-32V)	1
158	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	DC power supply (0-30V)	1
159	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1
160	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1
161	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1
162	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	DC Shunt Motor	1
163	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	DC Shunt Motor coupled with DC shut Generator	1
164	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Digital multimeter	1

165	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Digital Multimeter	1
166	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Diodes (Si-1N4007) – 4	1
167	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Field Rheostat 175 Ω, 1.5 A	1
168	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	LVDT Kit	1
169	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	MOSFET (2N7000)	1
170	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Multimeter	1
171	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Multimeter	1
172	B.E.	Civil Engineering	2	2021	BE3272 BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING LABORATORY	Multimeter	1
173	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-10.00MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 10 MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I.TEST SIEVE SIZE: 10 MM	1
174	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-12.50MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 12.50MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TEST SIEVE SIZE: 12.50MM	1
175	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	TAMPING ROD-16MM DIA X 600MMLONG-GRADUATED-(FOR SLUMP TEST) Made of S.S.304 A Tamping rod 16mm diameter and 60cm long with one end rounded and graduated from 0-30 cm in 0.5 cm spacing to measure the slump	1

176	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	SLUMP TEST APPARATUS WITH TAMPING ROD 16MM DIA X 600MM LONG GRADUATED* The apparatus will comprise of a slump cone with handles made of mild steel sheet, a chrome plated steel tamping rod of 16 mm diameter X 600 mm long, rounded off at one end, with a scale marked on it and a steel base plate with a carrying handle. As per IS:1199 and IS:7320 with test certificate for conformity. APPARATUS : MOULD: The mould for the test specimen will be in the form of frustum of a cone having the following inte	1
177	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	PYCNOMETER BOTTLE Compliance Standards: BS 812, BS 1377:2, ASTMD854, IS 2386 (Part-III, Method-III)	1
178	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	MASONARY TROWEL MEDIUM -6"HSN : 82060090	1
179	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	LENGTH GAUGE (ELONGATIONGAUGE) As per IS:2386 (Part I) Complies with following International Standards: IS : 2386 (PART-1) Distance between nails (mm) Passing/Retained (mm) -- 63/50, 81.0 50/40, 58.5 40/31.5, -- 31.5/25, 40.5 25/20,32.4 20/16,25.6 16/12.5, 20.2 12.5/10,14.7 10/6.3	1
180	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	High Precision Table Top Balance Capacity : 3kg, Readability : 0.1g	1
181	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	High Precision Table Top Balance Capacity : 20kg, Readability : 0.5g	1
182	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	G.I.TRAY – 450 X 450 X 50MM (18" X 18" X 2")	1
183	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	FLEXURAL STRENGTH TESTING MACHINE ANALOG – MOTORISED Although generally not such an important property of concrete than compressive strength tensile strength values are often important to know when the concrete used is free of reinforcement and may be subjected to some tensile force. The machine consists of a motorized load frame. Thelower platen has two rollers, the distance between which is adjustable. For 150 mm x 150 mm x 700	1
184	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	FINE SIEVE -20 CM DIA-BRASS- 4.75 MM Salient Features · Test Sieve Brass · 200mm diameter (20 cm) · Made out of rolled Brass material · Spun Body frame without any joint · Folded bottom having beading at top · Tight fitting with each other · Mountedwith stainless steel cloth OR punched steel sheet FINE SIEVE - 20CM DIA TEST SIEVES MOC: BRASS TEST SIEVE SIZE: 4.75 MM	1

185	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	FINE SIEVE - 20 CM DIA-BRASS-2.36 MM Salient Features · Test Sieve Brass · 200mm diameter (20 cm) · Made out of rolled Brass material · Spun Body frame without any joint · Folded bottom having beading at top · Tight fitting with each other · Mountedwith stainless steel cloth OR punched steel sheet FINE SIEVE - 20CM DIA TEST SIEVES MOC: BRASS TEST SIEVE SIZE: 2.36 MM	1
186	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	EVAPORATING BASIN - PORCELAIN DISH - 150 MM DIA Evaporating Basins (Porcelain Dish) With spout, both sides glazed 150	1
187	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	FINE SIEVE - 20 CM DIA-BRASS-1.18 MM Salient Features · Test Sieve Brass · 200mm diameter (20 cm) · Made out of rolled Brass material · Spun Body frame without any joint · Folded bottom having beading at top · Tight fitting with each other · Mountedwith stainless steel cloth OR punched steel sheet FINE SIEVE - 20CM DIA TEST SIEVES MOC: BRASS TEST SIEVE SIZE: 1,18 MM	1
188	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	FINE SIEVE - 20 CM DIA-BRASS-0.600MM (600 MIC) Salient Features · Test Sieve Brass · 200mm diameter (20 cm) · Made out of rolled Brass material · Spun Body frame without any joint · Folded bottom having beading at top · Tight fitting with each other · Mounted with stainless steel cloth OR punched steelsheet Test Sieves Size: 0.600mm (600mic)	1
189	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	FINE SIEVE - 20 CM DIA-BRASS-0.300MM (300 MIC) Salient Features · Test Sieve Brass 200mm diameter (20 cm) Made out of rolled Brass material Spun Body frame without any joint Folded bottom havingbeading at top Tight fitting with each other Mounted with stainless steel cloth OR punched steel sheet	1
190	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	FINE SIEVE - 20 CM DIA-BRASS-0.150MM (150 MIC) Salient Features · Test Sieve Brass · 200mm diameter (20 cm) · Made out of rolled Brass material · Spun Body frame without any joint · Folded bottom having beading at top · Tight fitting with each other · Mounted with stainless steel cloth OR punched steelsheet	1
191	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	FINE SIEVE - 20 CM DIA-BRASS-0.075MM (75 MIC) Salient Features · Test Sieve Brass · 200mm diameter (20 cm) · Made out of rolled Brass material · Spun Body frame without any joint · Folded bottom having beading at top · Tight fitting with each other · Mounted with stainless steel cloth OR punched steel sheet FINE SIEVE -20CM DIA TEST SIEVES MOC: BRASS TEST SIEVE SIZE: 0.075MM (75 MIC)	1

192	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	ELECTRONIC WEIGHING BALANCE -50 KG-1 GM Salient Features : Constructed from High Impact FRP Sheet Heavy Duty & Industrial, Stainless Steel Pan Bright & Clear, Wide Angle LED display Multi Weighing Units Like Gram, Tola, Piece Counting Multi Function Series Extra Display Connector Ready Alert Audio - Visual Indications Display Intensity Adjustment Fast Response < 2 Seconds 100% Tare Facility Battery Save Mode Inbuilt Battery Pack Technical Specificat	1
193	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	CYLINDRICAL MOULD-150 MM DIA X 300 MM HT Made of cast iron, 150 mm dia x 300 mm height, Split Lengthwise, Supplied with base plate, Weight : 12 kg approx. IS-10086-82 Compliance Standards EN 12390-1, EN 12390-3	1
194	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COMPRESSION TESTING MACHINE - 2000 KN-ANALOG - SINGLE GAUGE Compliance with following international standards - IS 516, IS 14858. Detailed specification as follows: Compliance with following international standards: IS 516, IS 14858 Salient Features: Aesthetically designed unit The electric pumping unit is fixed with a micro? switch to switch off the motor automatically as the load on the machine approaches the rated capac	1
195	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COMPACTION FACTOR APPARATUS -IS 1199 COMPLIANCE STANDARDS: IS 5515: IS 1199 The apparatus consist of two conical hoppers and a cylinder, mounted on a rigid metal frame. The lower openings of the hoppers are fitted with hinged trap doors for release and during the fall of the material. Complete with trowel andtamping bar 0-60 cm long X 16mm dia.	1
196	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COATING THICKNESS GAUGE - DIGITAL - MODEL ELECOAT-M For Measuring Coating Thickness on Ferrous (Magnetic) Substrate. Range: 0-1500 Microns. Standard Features : Latest technology with use of smart micro-controller. Direct Measurement - No Calibration Required for Most Of Surfaces. Highest Accuracy and Resolution. "Zero" and "SET" functions along with Foils and Zero base simplicities Calibration. Calibration Retaining System. Pr	0
197	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-40.00MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 40 MM. TEST SIEVES MOC: G.I. TEST SIEVE SIZE: 40 MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TEST SIEVE SIZE:40 MM	1
198	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-31.50MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 31.50MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TEST SIEVE SIZE: 31.50MM	1

199	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-25.00MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 25.00MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TEST SIEVE SIZE: 25.00MM	1
200	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-2.36 MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 2.36 MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TEST SIEVE SIZE: 2.36 MM	1
201	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-20.00MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 20MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TEST SIEVE SIZE: 20MM	1
202	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-16.00MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 16.00 MM COARSE SIEVES – 45 CM DIA TEST SIEVES MOC: G.I. TEST SIEVE SIZE: 16.00 MM	1
203	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-12.50MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 12.50MM COARSE SIEVES – 45 CM DIA TEST SIEVES MOC: G.I. TEST SIEVE SIZE: 12.50MM	1
204	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	BEAM MOULD-15 X 15 X 70 CM-CAST IRON Weight approx.28-30 kg. Made of Cast Iron Compliance with following International Standards: IS :516	1
205	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	BULK DENSITY CYLINDERICAL METAL MEASURE-3 LTR. Compliancewith following International Standards:IS : 1199, IS : 10079, BS : 1881, ASTM C29, ASTM C138	1
206	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-10.00MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I. TESTSIEVE SIZE: 10 MM COARSE SIEVES - 45 CM DIA TEST SIEVES MOC: G.I.TEST SIEVE SIZE: 10 MM	1
207	B.E.	Civil Engineering	4	2021	CE3412 MATERIALSTESTING LABORATORY	COARSE SIEVES - 45 CM DIA-G.I.-6.30MM COARSE SIEVES 45MM	1
208	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Reciprocating pump	1
209	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Orifice meter/mouthpiece,Venturimeter andNotches	1
210	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	minor losses	1
211	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	metacentric height of floating bodies	1
212	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Gear pump	1

213	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	friction factor in pipes	1
214	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Francis turbine	1
215	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Centrifugal pumps	1
216	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Bernoullis	1
217	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Rotometer	1
218	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Pelton wheel turbine	1
219	B.E.	Civil Engineering	4	2021	CE3411 HYDRAULIC ENGINEERING LABORATORY	Submersible pump	1
220	B.E.	Civil Engineering	6	2021	CE3611 BUILDING DRAWING AND DETAILING	AUTOCAD	30
221	B.E.	Civil Engineering	6	2021	CE3611 BUILDING DRAWING AND DETAILING	Revit	10
222	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	California bearing ratio test apparatus	1
223	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Van Shear apparatus	1
224	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Weighing machine – 1 kg capacity	3
225	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	UTM of minimum of 20 kN capacity	1
226	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Weighing machine 20 kg capacity	1
227	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Triaxial shear apparatus	1
228	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Three Gang Consolidation test device	1
229	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Thermometer	2
230	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Sieves	2
231	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Shrinkage limit apparatus	3
232	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Sand replacement method accessories and core cutter method accessories	2
233	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Relative Density apparatus	1

1

234	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Proctor Compaction apparatus	2
235	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Permeability determination i. Constant head method	1
236	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Liquid and Plastic limit apparatus	2
237	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	ii. Falling head method	1
238	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Hydrometer	2
239	B.E.	Civil Engineering	4	2021	CE3413 SOIL MECHANICS LABORATORY	Direct Shear apparatus	1
240	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Weighing Machine	1
241	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Mould Assembly	6
242	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Weighing Scale	1
243	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Weighing Machine	1
244	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Beaker	1
245	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Breaking Head	1
246	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Briquette Mould	2
247	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Centrifuge Extractor	1
248	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Compaction Pedestal and Hammer	1
249	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Ductility Machine	1
250	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Hot Air Oven	1
251	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	IS Sieves	1
252	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Los Angeles Abrasion Testing Machine	1
253	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Marshall Stability Test Machine	1
254	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Orifice Viscometer	1

255	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Oven with Rotating Shelf	1
256	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Penetrometer	1
257	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Pycnometer/Specific gravity bottle	4
258	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Ring and Ball Apparatus	1
259	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Sample Extractor	1
260	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Sieve	1
261	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Specific Gravity bottle	4
262	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Steel Balls – 2 nos (9.5mm dia)	1
263	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Stirrer	1
264	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Thermometer	1
265	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Thermometer	1
266	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Thermometer	1
267	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Time Measuring Device	3
268	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Weighing Machine	1
269	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Weighing Machine	1
270	B.E.	Civil Engineering	5	2021	CE3511 HIGHWAY ENGINEERING LABORATORY	Weighing Machine	1
271	B.E.	Mechanical Engineering	3	2021	ME3381 COMPUTER AIDED MACHINE DRAWING	Intel Octa core i9 processor (6 GHz, 16 GB Ram, 600 s8D HD- 50)	30
272	B.E.	Mechanical Engineering	3	2021	ME3381 COMPUTER AIDED MACHINE DRAWING	Windows 11, Creo 9.0, Solid Works 2023, Autodesk Inventor 2023.1.1, Auto CAD 2023 (50 S7D Acad License)	30
273	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Moulding table, Moulding equipments	2
274	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Milling Tool Dynamometer	1

275	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Lathe Tool Dynamometer	1
276	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Arc welding transformer with cables and holders	2
277	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Centre Lathes	7
278	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Cylindrical Grinding Machine	1
279	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Gear Hobbing Machine	1
280	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Gear Shaping Machine	1
281	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Horizontal Milling Machine	1
282	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Vertical Milling Machine	1
283	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Surface Grinding Machine	1
284	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Shaper	1
285	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Radial Drilling Machine	1
286	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Oxygen and Acetylene gas cylinders, blow pipe and other welding outfit	1
287	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Tachometer	1
288	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Stop watch	15
289	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Reciprocation pump set up	1
290	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Pelton Wheel turbine set up	1

291	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Metacentric Height apparatus setup	1
292	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	IM wooden seal	15
293	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Impact of jet setup	1
294	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Friction Apparatus setup	1
295	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Centrifugal pump set up	1
296	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS ANDFLUID MACHINERY LABORATORY	Venturimeter setup	1
297	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with mechanical loading	1
298	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Apparatus for Flash and Fire point	1
299	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Data Acquisition system with any one of the above engines	0
300	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	I.C Engine – 2 stroke and 4 strokemodel	1
301	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Multi-Cylinder Petrol Engine	1
302	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Single Cylinder Petrol Engine	1
303	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Steam Boiler with turbine setup	0
304	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with electrical loading	1
305	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with hydraulic loading	1
306	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Turn table apparatus	1
307	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Gear Tooth Vernier	1
308	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Govenor apparatus – Watt, Porter, Proell and Hartnell governors	1

309	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Kinematic Models to study various mechanisms	1
310	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Mechanical / Electrical / Pneumatic Comparator	1
311	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Micrometer	5
312	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Motorised gyroscope	1
313	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Profile Projector / Tool Makers Microscope	1
314	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Sine Bar	1
315	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Slip Gauge Set	1
316	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Spring mass vibration system	1
317	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Gear Models	1
318	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Floating Carriage Micrometer	1
319	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Dynamic balancing machine	1
320	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Coordinator Measuring Machine	0
321	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Cam follower setup	1
322	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Bore Gauge	1
323	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Autocollimator	1
324	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Surface finish Measuring Equipment	1

325	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Telescope Gauge	1
326	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Torsional Vibration of single rotor system setup	1
327	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Transverse vibration setup of a)cantilever	1
328	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Two rotor vibration setup	1
329	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Vernier Caliper	5
330	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Vernier Depth Gauge	2
331	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Vernier Height Gauge	2
332	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY ANDDYNAMICS LABORATORY	Whirling of shaft apparatus	1
333	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CNC Lathe	1
334	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CNC Milling Machine	1
335	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Computer nodes or systems (High end CPU with atleast 1 GB main memory) networked to the server	30
336	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	A3 size plotter	1
337	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Computer Server	1
338	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Licensed operating system	1
339	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Laser Printer	1
340	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CAM Software for machining centre and turning centre (CNC Programmingand tool path simulation for FANUC / Sinumeric and Heidenhain controller)	0
341	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Any High end integrated modeling and manufacturing CAD / CAM software	15
342	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Support for CAPP	0
343	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Parallel/counter flow heat exchanger apparatus	1
344	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Refrigeration test rig	1

345	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Single / two stage reciprocating air compressor	1
346	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Stefan-Boltzmann apparatus	1
347	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Thermal conductivity of insulating powder apparatus	1
348	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Lagged pipe apparatus	1
349	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Natural convection – vertical cylinder apparatus	1
350	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Pin-fin apparatus	1
351	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Air-conditioning test rig	1
352	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Composite wall apparatus	1
353	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Emissivity measurement apparatus	1
354	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Forced convection inside tube apparatus	1
355	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Guarded plate apparatus	1
356	B.E.	Computer Science and Engineering	3	2021	CS3311 DataStructures Laboratory	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1
357	B.E.	Computer Science and Engineering	3	2021	CS3311 DataStructures Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse	30
358	B.E.	Computer Science and Engineering	3	2021	CS3311 DataStructures Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
359	B.E.	Computer Science and Engineering	3	2021	CS3361 Data ScienceLaboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse	30
360	B.E.	Computer Science and Engineering	3	2021	CS3361 Data ScienceLaboratory	Python 3.9 or later, Anaconda Distribution	1
361	B.E.	Computer Science and Engineering	3	2021	CS3361 Data ScienceLaboratory	Scipy, statmodels, seaborn, plotly	1
362	B.E.	Computer Science and Engineering	3	2021	CS3361 Data ScienceLaboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
363	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	DevC++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1
364	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	Linux Ubuntu 20 or higher	30

365	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse	30
366	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
367	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse	30
368	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
369	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	Oracle Database 12 or higher, MySQL 5.7 or higher versions, SQL Server 2022(16.x)	1
370	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	CRO (30MHz)	10
371	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Ammeter(0-30mA)	30
372	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Voltmeter(0-30v)	30
373	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Function Generators (3MHz)	10
374	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Resistors, Capacitors, Inductors – sufficient quantities. Bread Boards	15
375	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Dual Regulated Power Supplies (0 – 30V)	10
376	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Decade Resistance Box	10
377	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and CircuitsLaboratory	Dual Regulated Power Supplies (0-30v)	15
378	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and CircuitsLaboratory	BC107, BC547, BF195C, BFW10,IN4001, IN4007	25
379	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and CircuitsLaboratory	Bread Boards	15
380	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and CircuitsLaboratory	Standalone desktops PC	15
381	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and CircuitsLaboratory	SPICE Simulator	15
382	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and CircuitsLaboratory	Signal Generators / Function Generators (3 MHz)	15
383	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and CircuitsLaboratory	CRO/DSO (30 MHz)	15

384	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	Standalone desktops PC	15
385	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30
386	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
387	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Standalone desktops PC	15
388	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	CRO/DSO (30 MHz)	15
389	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Signal Generators / Function Generators (3 MHz)	15
390	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	MATLAB or equivalent open source software package for simulation Experiments	15
391	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Trainer Kits for AM, FM, Signal Sampling, TDM, PCM, PAM, PPM, PWM, DM and Line Coding Schemes (Each 2)	2
392	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Trainer Kits for ASK, FSK and PSK (Each 2)	2
393	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Power Supplies (0 – 30V/3A)(0-30V/3A)(0-5V/3A) (+/-15V)	15
394	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Resistors, Capacitors, Inductors	1
395	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	IC Tester	5
396	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	IC741, IC565, AD620 (Each 15)	15
397	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Digital Multimeter	15
398	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Digital LCR Meter	2
399	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Bread Boards	15
400	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	70MHz DSO and 50 MHz Arbitrary Function Generator/ signal generator	14
401	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Transistor/MOSFET (BJT-NPN-PNP and NMOS/PMOS)	50
402	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Standalone desktops PC	15

403	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Power Supplies (0 – 30V/3A)(0-30V/3A)(0-5V/3A) (+/-15V)	15
404	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Xilinx ISE/Altera Quartus/ equivalent EDA Tools (User License)	15
405	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Xilinx/Altera/equivalent FPGA Boards	15
406	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Personal Computer	15
407	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Cadence/ Mentor Graphics/Open Source equivalent CAD VLSI designtool	5
408	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	70MHz DSO and 50 MHz Arbitrary Function Generator/ signal generator	14
409	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	70MHz DSO and 50 MHz Arbitrary Function Generator/ signal generator	14
410	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Circuit Connection Boards	20
411	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Capacitance Box	6
412	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Function Generator (MHz Range)	5
413	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Multimeters	10
414	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Necessary Quantities of Resistors, Inductors, Capacitors of various capacities (Quarter Watt to 10 Watt)	1
415	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Oscilloscope (20 MHz)	10
416	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	10 Nos of PC loaded with Pspice/ Matlab/e-Sim / Scilab/Equivalent Software Package	10
417	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	AC/DC -Ammeters of required rating	10
418	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	AC/DC – Voltmeters of required rating	10
419	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Connecting Wires	1
420	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Three phase star & delta connected load / Single phase load bank of suitable rating	3
421	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Inductance Box	6
422	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Single Phase Wattmeter of suitablerating	5
423	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Regulated Power Supply (0-30V)	15

424	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Printer	1
425	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Resistance Box	6
426	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Digital Storage Oscilloscope (20 MHz)	2
427	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Levelling Boards	10
428	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Adjustable Spirit Level	1
429	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Serviceable aircraft with all abovesystems	10
430	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Hydraulic Jacks (Screw Jack)	10
431	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Trestle adjustable	10
432	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Spirit Level	10
433	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Plumb Bob	10
434	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Cable Tensiometer	10
435	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Static and Dynamic balancing apparatus	10
436	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Printer	8
437	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	High End system/Work station with necessary storage system	10
438	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Universal vibration apparatus setup	10
439	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	UPS	10
440	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Torsional Vibration setup a) Singlerotor system	10
441	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Modelling and CFD & FE Analysis packages with Licence	9

442	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Cam analysis apparatus	1
443	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Arc welding transformer with cables and holders	10
444	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Universal Governor apparatus – Watt, Porter, Proell and Hartnell governors	10
445	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Oxygen and Acetylene gas cylinders, blow pipe and other welding outfit	10
446	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Moulding table, Moulding equipments	10
447	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Gear Shaping Machine	10
448	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Reciprocating balancing apparatus	10
449	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Vibrating table apparatus setup	10
450	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Gear Hobbing Machine	10
451	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Whirling of shaft apparatus	10
452	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	c) Damped torsional vibration setup	10
453	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	b) Double rotor system	10
454	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Motorized gyroscope apparatus	2
455	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Spring mass vibration system setup	10
456	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	CRO	10
457	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Function Generators	10

458	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Storage Oscilloscope	1
459	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Semiconductor devices like Diode, Zener Diode, NPN Transistors, JFET, UJT, Photo diode, Photo Transistor	10
460	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Resistors, Capacitors and inductors	10
461	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Regulated 3 output Power Supply 5, ± 15V	10
462	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Necessary digital IC 8	10
463	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Bread boards	10
464	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Three Phase Resistive Loading Bank	3
465	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Compound motor with loading arrangement	1
466	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Series Motor with Loading Arrangement	1
467	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With DC Compound Generator	2
468	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With DC Shunt Generator	2
469	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With Three phase Alternator	1
470	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor with Loading Arrangement	3
471	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Rheostats	20
472	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Auto Transformer	5
473	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Resistive Loading Bank	3
474	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Transformer	4

475	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Tachometer -Digital/Analog	13
476	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Three Phase Auto Transformer	3
477	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Rheostats	20
478	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Auto Transformer	5
479	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Induction Motor with Loading Arrangement	2
480	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase Slip ring Induction motor	1
481	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase Salient Pole Alternator	1
482	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase non-salient pole Alternator	3
483	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Capacitor Bank	2
484	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Resistive Loading Bank	3
485	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Tachometer -Digital/Analog	13
486	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Auto Transformer	3
487	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Induction Motor with Loading Arrangement	2
488	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three phase inductive load	1
489	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Resistive Loading Bank	3
490	B.E.	Electrical and Electronics Engineering	5	2021	EE3512 CONTROL AND INSTRUMENTATION LABORATORY	Desktop	30
491	B.E.	Electrical and Electronics Engineering	5	2021	EE3512 CONTROL AND INSTRUMENTATION LABORATORY	Mat Lab Latest Version	30
492	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWERSYSTEM LABORATORY	Compilers: C / C++ / Matlab	30
493	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWERSYSTEM LABORATORY	Dot matrix Printer	1
494	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWERSYSTEM LABORATORY	Laser Printer	1

495	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Personal Computers (Intel Core i5 ori7, 500 GB, 8 GB RAM)	30
496	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Server (Intel Core i7, 2 TB, 8 GB RAMor higher) (High Speed Processor)	1
497	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Software: EMTP / ETAP / CYME /MIPOWER / any Power system simulation software	5
498	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Capacitor	1
499	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Zener diodes	1
500	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Transistor	1
501	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Step-down Transformer 230V/12-0-12V	1
502	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Single strand wire	1
503	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Resistors ¼ Watt Assorted	1
504	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Regulated Power supply +12/-12V,5V	15
505	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Potentiometer	1
506	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LM723	1
507	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LM317	1
508	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LED	1
509	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	ICSG3524/SG3525	1
510	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	IC 741/ICNE555/566/565	1
511	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Function Generator	5
512	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Diodes, IN4001, BY126	1
513	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Digital Multimeter	10
514	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Digital IC Types	1
515	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Cathode Ray Oscilloscope (CRO) 50Mhz	10

516	B.E.	Electrical and Electronics Engineering	4		2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Bread Board	1
517	B.E.	Electrical and Electronics Engineering	4		2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Analog and Digital IC Tester (2nos.each)	2
518	M.E.	Embedded System Technologies	2		2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Labview/ any other software package /open source tools for instrumentationand control	5
519	M.E.	Embedded System Technologies	2		2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Linux OS (Ubuntu/any other Linux OS)	25
520	M.E.	Embedded System Technologies	2		2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	NS2/NS3/optNet	25
521	M.E.	Embedded System Technologies	2		2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Open source IDE for programming (Visual Studio code/code blocks/anyother IDE)	25
522	M.E.	Embedded System Technologies	2		2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Any CAD package/open source	1
523	M.E.	Embedded System Technologies	2		2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Any MEMS simulation package /Opensource	1
524	M.E.	Embedded System Technologies	2		2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Python compilers	25
525	M.E.	Embedded System Technologies	2		2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Desktop computer/Laptop	25
526	B.Tech.	Artificial Intelligenceand Data Science	4		2021	AD3381 Database Design and Management Laboratory	Oracle Database 12 or higher, MySQL 5.7 or higher, SQL Server 2022(16.x)	1
527	B.Tech.	Artificial Intelligenceand Data Science	4		2021	AD3381 Database Design and Management Laboratory	INTEL based desktop PC with min.8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse	30
528	B.Tech.	Artificial Intelligenceand Data Science	4		2021	AD3381 Database Design and Management Laboratory	UMLLET Version 15 and above, JetUMl, version 8.0 and above, Star UML version v5.0 and above	1
529	B.Tech.	Artificial Intelligenceand Data Science	4		2021	AD3381 Database Design and Management Laboratory	PostgreSQL, NetBeans / Visual Studio	1
530	B.Tech.	Artificial Intelligenceand Data Science	4		2021	AD3381 Database Design and Management Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
531	B.Tech.	Artificial Intelligenceand Data Science	3		2021	AD3311 Artificial Intelligence Laboratory	INTEL based desktop PC with min.8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse	30
532	B.Tech.	Artificial Intelligenceand Data Science	3		2021	AD3311 Artificial Intelligence Laboratory	Python3.9 and above	1
533	B.Tech.	Artificial Intelligenceand Data Science	3		2021	AD3311 Artificial Intelligence Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30

534	B.Tech.	Artificial Intelligenceand Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	Python, Numpy, Scipy, Matplotlib, Pandas, seaborn	1
535	B.Tech.	Artificial Intelligenceand Data Science	4	2021	AD3411 Data Scienceand Analytics Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
536	B.Tech.	Artificial Intelligenceand Data Science	4	2021	AD3411 Data Scienceand Analytics Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse	30
537	B.Tech.	Artificial Intelligenceand Data Science	4	2021	AD3411 Data Scienceand Analytics Laboratory	Python3.9 and above	1
538	B.Tech.	Artificial Intelligenceand Data Science	4	2021	AD3411 Data Scienceand Analytics Laboratory	Python , Numpy, Scipy ,Matplotlib,Pandas, seaborn, statmodels	1
539	B.Tech.	Artificial Intelligenceand Data Science	4	2021	AL3461 MACHINE LEARNING LABORATORY	Dev C++ / Eclipse CDT / Code Blocks /CodeLite / equivalent open source IDE	30
540	B.Tech.	Artificial Intelligenceand Data Science	4	2021	AL3461 MACHINE LEARNING LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
541	B.Tech.	Artificial Intelligenceand Data Science	4	2021	AL3461 MACHINE LEARNING LABORATORY	The programs can be implemented ineither Python or R	1
542	B.Tech.	Artificial Intelligenceand Data Science	4	2021	AL3461 MACHINE LEARNING LABORATORY	Python , Numpy, Scipy ,Matplotlib,Pandas, seaborn, statsmodels Python3.9 and above, Anaconda Distribution	1
543	B.Tech.	Artificial Intelligenceand Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
544	B.Tech.	Artificial Intelligenceand Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse	30
545	B.Tech.	Artificial Intelligenceand Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	Python , Numpy, Scipy ,Matplotlib,Pandas, seaborn, statsmodels Python3.9 and above, Anaconda Distribution	1
546	B.Tech.	Artificial Intelligenceand Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	sci-kit learn	1
547	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	1
548	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	ArgoUML/ STARUML/JetUML thatsupports UML 1.4 and higher Selenium, JUnit or Apache JMeter, Bugzilla, testDirector, TestLink	1
549	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard andmouse and GPU as required	25
550	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	8 Bit CISC/RISC microcontroller Compatible DAC interface Unit	3

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551	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	Stepper Motors and Interface	3
552	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	Sensors and Interfacing (6 sets)	6
553	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	LCD interface	3
554	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	Desktop computer/Laptop	10
555	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	CRO	1
556	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	BLDC motor & Interface	2
557	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	8 Bit CISC/RISC microcontroller Compatible ADC interface Unit	3
558	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	8051 Microcontrollers/ any other CISC8 bit microcontroller with peripherals;IDE, Board Support Software Tools , Assembler , C Compiler/suitable open source software	10
559	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	PIC Microcontrollers/ any other RISC 8bit microcontroller with peripherals; IDE, Board Support Software Tools , Assembler , C Compiler/suitable open source software	6
560	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Arduino Boards with peripherals ;IDE,Board Support Software Tools /Compiler/others	10
561	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	ARM7 / ARM9/ARM Cortex/ any otherARM higher end processor with peripherals; IDE, Board Support Software Tools , Assembler , C Compiler/suitable open source software	5
562	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	BLDC motor & Interface	2
563	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Stepper Motors and Interface	3
564	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Sensors and Interfacing	6
565	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Real Time Operating Systems (RTOS)- Any open source RTOS/ VXWorks/ Keil/Android/Tiny OS/ RT Linux	1
566	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Rasperry Pi Boards with peripherals ;IDE, Board Support Software Tools /Compiler/others	3
567	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	LCD Interface	2
568	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	DSP Processor Boards with BoardSupport Tools & Interfaces	5
569	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Desktop computer/Laptop	25

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AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

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

(Managed by Mata Amritanandamayi Math, Kollam)

Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

570	M.E.	Computer Science and Engineering	1	2021	CP4161 ADVANCED DATA STRUCTURES AND ALGORITHMS LABORATORY	Open Source C++ Programming tool like G++/GCC	25
571	M.E.	Computer Science and Engineering	1	2021	CP4161 ADVANCED DATA STRUCTURES AND ALGORITHMS LABORATORY	64-bit Open source Linux or its derivative	25
572	B.Tech.	Artificial Intelligence and Data Science	2	2021	AD3271 DATA STRUCTURES DESIGN LABORATORY	Python 3 interpreter for Windows/Linux	30
573	M.B.A.	Master of Business Administration	2	2017	BA4212 Data Analysis and Business Modelling laboratory	computer with (processor P-V or above)	30
574	M.B.A.	Master of Business Administration	2	2017	BA4212 Data Analysis and Business Modelling laboratory	Any Licensed Spread Sheet and Analysis Software like Microsoft Excel,SPSS etc	30
575	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	Server (PV System, 1 GB RAM/40 GB HDD, OS:Winwods server, Audio Card with headphones (With mike), JRE 1.3	1
576	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	Audio Mixer	1
577	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	a)Interactive Teacher Control Software	1
578	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	b)English Language Lab Software	1
579	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	c)Career Lab software	1
580	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	Client Systems (PIV or above, 512 MB RAM/40 GB, OS:Winwods, Audio card with headphones(with mike) JRE 1.3	1
581	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	Collar mike	1
582	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	Cordless mikes	1
583	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	DVD Recorder / Player	1
584	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	Handicam Video Camera (with video lights and mic input)	1
585	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	Interactive White Board	1
586	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	LCD Projector with MP3 /CD /DVD provision for audio / video facility - Desirable	1
587	M.B.A.	Master of Business Administration	1	2017	BA4112 Business Communication Laboratory	Television-29 or above	1
588	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Evaporation dishes	1

589	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Filteration Equipment	1
590	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Filter paper	1
591	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Funnel (glass)	1
592	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Conical Flask	1
593	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Glues & Eye protection glass	2
594	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Hot air oven	1
595	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Hot air Oven	1
596	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Imhoff cone	1
597	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Incubator	2
598	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Incubator Electrical	1
599	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Kjeldhal Nitrogen Analyser(Digital)	0
600	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Laminar Flue hood	0
601	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Measuring cylinder	1
602	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Measuring cylinder (100ml)	2
603	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Measuring cylinder (100ml)	2
604	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Measuring cylinder (50ml)	2

605	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Measuring cylinder (50ml)	1
606	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Measuring cylinders 100ml	1
607	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Measuring Jar	1
608	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Measuring Jar	1
609	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Micro Pipettes	1
610	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Muffle furnaces	1
611	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Pipette & Bulb	1
612	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Pipette & bulb (2ml)	4
613	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Pipette & bulb (2ml)	4
614	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Pipette & Bulb (2ml)	4
615	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Pipette & bulb (5ml)	2
616	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Pipette & Bulb (5ml)	2
617	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Porcelain weighing dishes	1
618	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Porcelain weighting dishes	1
619	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Reflexing Apparatus	1
620	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Sample container	2

621	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Spectrophoto meter/ (UVvisible)	1
622	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Spectrophotometer/ (UV visible)	1
623	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Test tubes (5ml,10ml)	1
624	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Turbidity meter	2
625	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Volumetric Flask (1000ml)	1
626	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Volumetric Flask (25ml/50ml)	7
627	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beakers	2
628	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beakers	1
629	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beakers	1
630	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beakers	1
631	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beakers	1
632	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beakers	1
633	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beakers	1
634	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beakers & Pipette & bulb	1
635	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	BOD bottle (300ml)	2
636	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Burette	2

637	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	BOD bottles (300ml)	6
638	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Volumetric Measuring cylinder	1
639	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Volumetric Measuring cylinder (100ml)	2
640	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Whatman filter paper No.42	1
641	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Burette & Pipette	1
642	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Burette	2
643	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Burette	2
644	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Burette	1
645	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Burette	2
646	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Autoclave	1
647	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Beaker	1
648	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	beakers	1
649	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Conical Flask (250ml)	2
650	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Conical Flask (250ml)	2
651	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Conical Flask (250ml)	1
652	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Conical Flask (250ml)	2

653	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Conical Flask (250ml)	2
654	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Cuvette	1
655	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Cuvette	1
656	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Desiccator	1
657	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Digital Flocculator	1
658	B.E.	Civil Engineering	3	2021	CE3311 WATER AND WASTEWATER ANALYSIS LABORATORY	Electrical Conductivity meter	2
659	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Traffic light interface board	5
660	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	8051 Microcontroller trainer kit with power supply	15
661	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	8085 Trainer kit with power supply	15
662	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	ADC and DAC Interface boards	5
663	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Software tool for 8085,8051,PIC assemblers loaded in computers (5nos. PC with software license)	5
664	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Stepper motor interface board	5
665	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
666	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	INTEL based desktop PC with min.8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30
667	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	Standalone desktops PC	15
668	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Three phase PWM Inverter	2

669	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Step up chopper	1
670	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Step down chopper	1
671	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase Semi converter	2
672	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase PWM Inverter	2
673	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase Full converter	2
674	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	SCR, TRIAC, IGBT, MOSFET (10 nos. Each)	10
675	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Regulated DC power supply	10
676	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Patchchords	20
677	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Multimeter	10
678	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	CRO	10
679	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Computer	10
680	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Buck converter	1
681	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Buck Boost converter	1
682	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Boost Converter	1
683	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Bread board	15
684	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	AC Voltage Controller	1
685	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Voltmeter, Ammeter	10
686	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors	1
687	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors 1KΩ, 1KΩ	1

688	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors- 1kΩ, 470KΩ, 1MΩ	1
689	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Rheostat 175Ω, 250 Ω	1
690	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Rheostat 7.5 Ω, 10 A	1
691	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	SCR TYN604	1
692	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Single phase Induction motor	1
693	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer	1
694	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer	1
695	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer – Digital	1
696	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Transformer (6-0-6)V	1
697	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Transistor (No-BC548)	1
698	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter (0-100V)	1
699	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter (0-30V)	1
700	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter MC (0-300)V	1

701	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC shunt generator(0- 300V)	1
702	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Wattmeter – 300V, 30 A	1
703	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	X-OR Gate IC 7486	1
704	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1
705	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1
706	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1
707	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC power supply (0-30V)	1
708	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	D C Power Supply (0-128 V), (0-32V)	1
709	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	CRO	1
710	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1
711	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1
712	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1
713	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1

714	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1
715	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1
716	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1
717	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1
718	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1
719	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Capacitor 100µF	1
720	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1
721	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1
722	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1
723	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1
724	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread board	1
725	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread board	1
726	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread board	1

727	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	AND Gate IC 7408	1
728	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeters (0-100mA, 0-25mA, 0-1mA)	1
729	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter MI (0-20A)	1
730	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter MC (0-20A)	1
731	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter (0-30 A), (0-2A)	1
732	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter MI (0-300)V	1
733	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Digital IC trainer	1
734	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Digital multimeter	1
735	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Digital Multimeter	1
736	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Diodes (Si-1N4007) – 4	1
737	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Field Rheostat 175 Ω, 1.5 A	1
738	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	IC 7400, 7402, 7404,7408,7432,7486	1
739	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	IC Trainer Kit	1

740	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	MOSFET (2N7000)	1
741	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1
742	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1
743	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1
744	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1
745	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	NOT Gate IC 7404	1
746	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	OR Gate IC 7432	1
747	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Patch chords	1
748	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Patch Chords	1
749	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	PN Diode (BY127, OA79), Zener diode(6.8V, 1A)	1
750	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistor 1KΩ	1
751	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistor 1 KΩ, 100Ω	1
752	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	resistor (1KΩ, 100KΩ)	1
753	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	Arduino Boards with peripherals ;IDE,Board Support Software Tools /Compiler/others	10

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754	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	C/C++/Java/Embedded C/Embedded Java/ Compilers &Platforms/cloud	20
755	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	FPGA Processor Boards with BoardSupport Tools & Interfaces	3
756	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	Desktop computer/Laptop	20
757	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	Simulation Tools Proteus/ ORCAD	5
758	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	Simulation Tools MATLAB /any other suitable Simulation software packages for programming/open source simulators	5

List of Experimental setup in each laboratory/workshop   :

DEPARTMENT OF CIVIL ENGINEERING

CE8311 Construction Materials Laboratory

I. TEST ON FINE AGGREGATES   15
1. Grading of fine aggregates
2. Test for specific gravity and test for bulk density
3. Compacted and loose bulk density of fine aggregate

II.TEST ON COARSE AGGREGATE   15
1. Determination of impact value of coarse aggregate
2. Determination of elongation index
3. Determination of flakiness index
4. Determination of aggregate crushing value of coarse aggregate

TEST ON CONCRETE   15
1. Test for Slump
2. Test for Compaction factor
3. Test for Compressive strength - Cube & Cylinder
4. Test for Flexural strength

TEST ON BRICKS AND BLOCKS   15
1. Test for compressive strength of bricks and blocks
2. Test for Water absorption of bricks and blocks
3. Determination of Efflorescence of bricks
4. Test on tiles

CE8361 SURVEYING LABORATORY

LIST OF EXPERIMENTS:
Chain Survey

1. Study of chains and its accessories, Aligning, Ranging, Chaining and Marking Perpendicular offset
2. Setting out works – Foundation marking using tapes single Room and Double Room

Compass Survey

3. Compass Traversing – Measuring Bearings & arriving included angles

Levelling - Study of levels and levelling staff

4. Fly levelling using Dumpy level &Tilting level
5. Check levelling

Theodolite - Study of Theodolite

6. Measurements of horizontal angles by reiteration and repetition and vertical angles
7. Determination of elevation of an object using single plane method when base isaccessible/inaccessible.

Tacheometry – Tangential system – Stadia system

8. Determination of Tacheometric Constants
9. Heights and distances by stadia Tacheometry
10. Heights and distances by Tangential Tacheometry

Total Station - Study of Total Station, Measuring Horizontal and vertical angles

11. Traverse using Total station and Area of Traverse
12. Determination of distance and difference in elevation between two inaccessible pointsusing Total station

CE8481 STRENGTH OF MATERIALS LABORATORY

LIST OF EXPERIMENTS

1. Tension test on steel rod
2. Compression test on wood
3. Double shear test on metal
4. Torsion test on mild steel rod
5. Impact test on metal specimen (Izod and Charpy)
6. Hardness test on metals (Rockwell and Brinell Hardness Tests)
7. Deflection test on metal beam
8. Compression test on helical spring
9. Deflection test on carriage spring

CE8461 HYDRAULIC ENGINEERING LABORATORY

LIST OF EXPERIMENTS

A. Flow Measurement

1. Calibration of Rotameter

2. Calibration of Venturimeter / Orificemeter

3. Bernoulli's Experiment

B.Losses in Pipes

4. Determination of friction factor in pipes

5. Determination of min or losses

C. Pumps

6. Characteristics of Centrifugal pumps

7. Characteristics of Gear pump

8. Characteristics of Submersible pump

9. Characteristics of Reciprocating pump

D. Turbines

10. Characteristics of Pelton wheel turbine

11. Characteristics of Francis turbine/Kaplan turbine

E. Determination of Metacentric height

12. Determination of Metacentric height of floating bodies

CE8511 SOIL MECHANICS LABORATORY

EXERCISES:

1. DETERMINATION OF INDEX PROPERTIES   **20**

a. Specific gravity of soil solids

b. Grain size distribution – Sieve analysis

c. Grain size distribution - Hydrometer analysis

d. Liquid limit and Plastic limit tests

e. Shrinkage limit and Differential free swell tests

2. DETERMINATION OF INSITU DENSITY AND COMPACTION CHARACTERISTICS
   12

a. Field density Test (Sand replacement method and core cutter method)

b. Determination of moisture – density relationship using standard Proctor compaction test.

c. Determination of relative density (Demonstration only)

3. DETERMINATION OF ENGINEERING PROPERTIES   28

a. Permeability determination (constant head and falling head methods)

b. One dimensional consolidation test (Determination of Co-efficient of consolidation only)

c. Direct shear test in cohesionless soil

d. Unconfined compression test in cohesive soil

e. Laboratory vane shear test in cohesive soil

f. Tri-axial compression test in cohesionless soil (Demonstration only)

g. California Bearing Ratio Test

CE8512 WATER AND WASTE WATER ANALYSIS LABORATORY

List of Experiments:

1. Determination of pH, Turbidity and conductivity
2. Determination of Hardness
3. Determination of Alkalinity and Acidity
4. Determination of Chlorides
5. Determination of Phosphates and Sulphates
6. Determination of iron and fluoride
7. Determination of Optimum Coagulant dosage
8. Determination of residual chlorine and available chlorine in bleaching powder
9. Determination of Oil, and Grease
10. Determination of suspended, settleable, volatile and fixed solids
11. Determination Dissolved Oxygen and BOD for the given sample
12. Determination of COD for given sample
13. Determination of SVI of Biological sludge and microscopic examination
14. Determination of MPN index of given water sample

CE8611 HIGHWAY ENGINEERING LABORATORY

I TEST ON AGGREGATES

    a) Specific Gravity
    b) Los Angeles Abrasion Test
    c) Water Absorption of Aggregates

II TEST ON BITUMEN

    a) Specific Gravity of Bitumen
    b) Penetration Test
    c) Viscosity Test
    d) Softening Point Test
    e) Ductility Test

III TESTS ON BITUMINOUS MIXES

    a) Stripping Test

    b) Determination of Binder Content

    c) Marshall Stability and Flow Values

IV DEMONSTRATION OF ANY ONE FIELD TESTING EQUIPMENT LIKE SKID RESISTANCETESTER/ BENKELMAN BEAM ETC

SCIENCE AND HUMANITIES

REGULATIONS – 2021

Course: GE3171 Problem Solving and Python Programming Laboratory

Class: I Year/ I Semester

Exp. No.	Experiment Title
1.	Identification and solving of simple real life or scientific or technical problems, and developing flow charts for the same. (Electricity Billing, Retail shop billing, Sin series, weight of a motorbike, Weight of a steel bar, compute Electrical Current in Three Phase AC Circuit, etc.)
2.	Python programming using simple statements and expressions (exchange the values of two variables, circulate the values of n variables, distance between two points).
3.	Scientific problems using Conditionals and Iterative loops. (Number series, Number Patterns, pyramid pattern)
4.	Implementing real-time/technical applications using Lists, Tuples. (Items present in a library/Components of a car/ Materials required for construction of a building – operations of list & tuples)
5.	Implementing real-time/technical applications using Sets, Dictionaries. (Language, components of an automobile, Elements of a civil structure, etc.- operations of Sets & Dictionaries)
6.	Implementing programs using Functions. (Factorial, largest number in a list, area of shape)
7.	Implementing programs using Strings. (reverse, palindrome, character count, replacing characters)
8.	Implementing programs using written modules and Python Standard Libraries (pandas, numpy, Matplotlib, scipy)
9.	Implementing real-time/technical applications using File handling. (copy from one file to another, word count, longest word)
10.	Implementing real-time/technical applications using Exception handling. (divide by zero error, voter's age validity, student mark range validation)
11.	Exploring Pygame tool.
12.	Developing a game activity using Pygame like bouncing ball, car race etc.

Course: BS3171 PHYSICS AND CHEMISTRY LABORATORY

Class: I Year/ I Semester

PHYSICS LABORATORY : (Any Seven Experiments)

Ex. No.	Experiment Title
1.	Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia of regular and irregular objects.
2.	Simple harmonic oscillations of cantilever.
3.	Non-uniform bending - Determination of Young's modulus
4.	Uniform bending – Determination of Young's modulus
5.	Laser- Determination of the wave length of the laser using grating
6.	Air wedge - Determination of thickness of a thin sheet/wire
7.	a) Optical fibre -Determination of Numerical Aperture and acceptance angle b) Compact disc- Determination of width of the groove using laser.
8.	Acoustic grating- Determination of velocity of ultrasonic waves in liquids.
9.	Ultrasonic interferometer – determination of the velocity of sound and compressibility of liquids
10.	Post office box -Determination of Band gap of a semiconductor.
11.	Photoelectric effect
12.	Michelson Interferometer.
13.	Melde's string experiment
14.	Experiment with lattice dynamics kit.

Course: BS3171 PHYSICS AND CHEMISTRY LABORATORY
Class: I Year/ I Semester

CHEMISTRY LABORATORY: (Any seven experiments to be conducted)

Exp. No.	Experiment Title
1.	Preparation of Na_2CO_3 as a primary standard and estimation of acidity of a water sample using the primary standard
2.	Determination of types and amount of alkalinity in water sample - Split the first experiment into two
3.	Determination of total, temporary & permanent hardness of water by EDTA method.
4.	Determination of DO content of water sample by Winkler's method.
5.	Determination of chloride content of water sample by Argentometric method.
6.	Estimation of copper content of the given solution by Iodometry.
7.	Estimation of TDS of a water sample by gravimetry.
8.	Determination of strength of given hydrochloric acid using pH meter.
9.	Determination of strength of acids in a mixture of acids using conductivity meter.
10.	Conduct metric titration of barium chloride against sodium sulphate (precipitation titration)
11.	Estimation of iron content of the given solution using potentiometer.
12.	Estimation of sodium /potassium present in water using flame photometer.
13.	Preparation of nanoparticles (TiO2/ZnO/CuO) by Sol-Gel method.
14.	Estimation of Nickel in steel

15.	Proximate analysis of Coal

Course: GE3271 Engineering Practices Laboratory Group A (Civil & Electrical)

Class: I Year/ II Semester

Exp. No.	Experiment Title
CIVIL ENGINEERING PRACTICE	
PLUMBING WORK:	
1.	Connecting various basic pipe fittings like valves, taps, coupling, unions, reducers, elbows and other components which are commonly used in household.
2.	Preparing plumbing line sketches.
3.	Laying pipe connection to the suction side of a pump
4.	Laying pipe connection to the delivery side of a pump.
5.	Connecting pipes of different materials: Metal, plastic and flexible pipes used in household appliances.
WOOD WORK:	
6.	Sawing,
7.	Planing and
8.	Making joints like T-Joint, Mortise joint and Tenon joint and Dovetail joint.
WOOD WORK STUDY	
9.	A) Studying Joints In Door Panels And Wooden Furniture
10.	B) Studying Common Industrial Trusses Using Models.
ELECTRICAL ENGINEERING PRACTICE	
1.	Introduction to switches, fuses, indicators and lamps - Basic switch board wiring with lamp, fan and three pin socket
2.	Staircase wiring
3.	Fluorescent Lamp wiring with introduction to CFL and LED types.
4.	Energy meter wiring and related calculations/ calibration
5.	Study of Iron Box wiring and assembly
6.	Study of Fan Regulator (Resistor type and Electronic type using Diac/Triac/quadrac)
7.	Study of emergency lamp wiring/Water heater

Course: GE3271 Engineering Practices Laboratory

GROUP – B (MECHANICAL AND ELECTRONICS)

Class:I Year/ II Semester

Exp. No.	Experiment Title
MECHANICAL ENGINEERING PRACTICE	
WELDING WORK:	
1.	Welding of Butt Joints, Lap Joints, and Tee Joints using arc welding.

2.	Practicing gas welding.
BASIC MACHINING WORK:	
3.	(simple)Turning.
4.	(simple)Drilling.
5.	(simple)Tapping.
ASSEMBLY WORK:	
6.	Assembling a centrifugal pump.
7.	Assembling a household mixer.
8.	Assembling an airconditioner.
SHEET METAL WORK:	
9.	Making of a square tray
FOUNDRY WORK:	
10.	Demonstrating basic foundry operations.
ELECTRONICS ENGINEERING PRACTICE	
SOLDERING WORK:	
1.	Soldering simple electronic circuits and checking continuity.
ELECTRONIC ASSEMBLY AND TESTING WORK:	
2.	Assembling and testing electronic components on a small PCB.
ELECTRONIC EQUIPMENT STUDY:	
3.	Study an elements of smart phone.
4.	Assembly and dismantle of LED TV.
5.	Assembly and dismantle of computer/ laptop

Course: EE3271 ELECTRIC CIRCUITS LABORATORY

Class:I Year/ II Semester

Exp. No.	Experiment Title
1.	Simulation and experimental verification of series and parallel electrical circuit using fundamental laws.
2.	Simulation and experimental verification of electrical circuit problems using Thevenin's theorem.
3.	Simulation and experimental verification of electrical circuit problems using Norton's theorem.
4.	Simulation and experimental verification of electrical circuit problems using Superposition theorem.
5.	Simulation and experimental verification of Maximum Power transfer theorem.
6.	Simulation and Experimental validation of R-C,R-L and RLC electric circuit transients
7.	Simulation and Experimental validation of frequency response of RLC electric circuit.

8.	Design and implementation of series and parallel resonance circuit.
9.	Simulation and experimental verification of three phase balanced and unbalanced star, delta networks circuit (Power and Power factor calculations).

Department of Computer Science and Engineering

Regulation 2017 Laboratory Subjects

List of Experiments for individual laboratory subjects

I Semester

1. GE8161   Problem Solving and Python Programming Laboratory

      1. Compute the GCD of two numbers.

      2. Find the square root of a number (Newton 's method)

      3. Exponentiation (power of a number)

      4. Find the maximum of a list of numbers

      5. Linear search and Binary search

      6. Selection sort, Insertion sort

      7. Merge sort

      8. First n prime numbers

      9. Multiply matrices

      10. Programs that take command line arguments (word count)

      11. Find the most frequent words in a text read from a file

      12. Simulate elliptical orbits in Py game

      13. Simulate bouncing ball using Py game

2. BS8161   Physics and Chemistry Laboratory

    Physics Laboratory

1. Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia of regular and irregular objects.
2. Non-uniform bending - Determination of Young's modulus
3. Uniform bending – Determination of Young's modulus
4. Laser- Determination of the wave length of the laser using grating
5. Air wedge - Determination of thickness of a thin sheet/wire
6. Optical fibre -Determination of Numerical Aperture and acceptance angle b) Compact disc- Determination of width of the groove using laser.
7. Ultrasonic interferometer – determination of the velocity of sound and compressibility of liquids

Chemistry Laboratory

1. Determination of types and amount of alkalinity in water sample.
2. Determination of total, temporary & permanent hardness of water by EDTA method.
3. Determination of chloride content of water sample by Argentometric method.
4. Determination of strength of given hydrochloric acid using pH meter.
5. Determination of strength of acids in a mixture of acids using conductivity meter.
6. Conductometric titration of barium chloride against sodium sulphate (precipitation titration)
7. Estimation of iron content of the given solution using potentiometer.

II Semester

3. GE3271- ENGINEERING PRACTICES LABORATORY

GROUP – A (CIVIL & MECHANICAL)

1. Prepare a Pipe line connection for the wash basin.
2. Prepare a model of metallic pipe layout for water supply in a house from the given service connection.
3. Make a T lap joint from the given wood pieces
4. Make a Mortise joint and Tenon joint from the given wood pieces
5. Make a dovetail halving joint from the given work piece.
6. Make a butt joint on the given work pieces using arc welding.
7. Make a lap joint on the given work pieces using arc welding.
8. Make a T joint on the given work pieces using arc welding.
9. Perform step turning on a cylindrical work piece.
10. Perform tapping operation on a given work piece using Tapping tool.

11. Make a hole in a given work piece as per the required dimensions using drilling machine.
12. Prepare a square tray from the given thick metal sheet.
13. Demonstration on Foundry operation

GROUP – A _ ELECTRICAL &ELECTRONICS)

(Part II Electrical Engineering Practices)

1. Introduction to switches, fuses, indicators and lamps-Basic switch board wiring with lamp, fan and three pin socket
2. Staircase wiring
3. Fluorescent Lamp wiring with introduction to CFL and LED types.
4. Energy meter wiring and related calculations/ calibration
5. Study of Iron Box wiring and assembly
6. Study of Fan Regulator (Resistor type and Electronic type using Diac/ Triac/ Quadrac)
7. Study of emergency lamp wiring/Water heater

GROUP – A _ ELECTRONICS

(Part IV Electronic Engineering Practices)

1. Soldering Work:
2. Soldering simple electronic circuits and checking continuity.
3. Electronic Assembly and Testing Work:
4. Assembling and testing electronic components on a small PCB.
5. Electronic Equipment Study:
6. Study elements of smart phone.
7. Assembly and dismantle of LED TV.
8. Assembly and dismantle of computer/ laptop

4. CS3271 - PROGRAMMING IN C LABORATORY

1. Simple programs using I/O statements and expressions.
2. Program to check whether the given number is a positive number or negative number.
3. Program to check whether the given year is a LEAP year or not.
4. Program to design a menu-based calculator
5. Program to check whether the given number is an Armstrong number or not.

6. Program to sort the numbers based on the weight
7. Program to populate a 1D array with height of persons and find how many persons are above the average height.
8. Program to perform various string operations using built-in functions.
9. Program to reverse the given string without using predefined function.
10. Program to convert the given number from one number system to another number system using function in pass-by-value method.
11. Program to sort the list of numbers using function in pass-by-reference method.
12. Program to implement the Tower of Hanoi problem using recursion technique.
13. Program to generate salary slip of employees using structures.
14. Program to compute internal marks of students for 5 subjects using structures and functions.
15. Program to implement railway ticket reservation system.
16. Program to implement the telephone directory application.

III Semester

5. CS8381 Data Structures Laboratory

1. Array implementation of Stack and Queue ADTs
2. Array implementation of List ADT
3. Linked list implementation of List, Stack and Queue ADTs
4. Applications of List, Stack and Queue ADTs
5. Implementation of Binary Trees and operations of Binary Trees
6. Implementation of Binary Search Trees
7. Implementation of AVL Trees
8. Implementation of Heaps using Priority Queues.
9. Graph representation and Traversal algorithms
10. Applications of Graphs
11. Implementation of searching and sorting algorithms
12. Hashing – any two collision techniques

6. CS8383 Object Oriented Programming Laboratory

1. Develop a Java application to generate Electricity bill. Create a class with the following members: Consumer no., consumer name, previous month reading, current month reading, type of EB connection (i.e domestic or commercial). Compute the bill amount using the following tariff.
   If the type of the EB connection is domestic, calculate the amount to be paid as follows:
   First 100 units - Rs. 1 per unit

101-200 units - Rs. 2.50 per unit

201 -500 units - Rs. 4 per unit

501 units - Rs. 6 per unit

If the type of the EB connection is commercial, calculate the amount to be paid as follows:

First 100 units - Rs. 2 per unit

101-200 units - Rs. 4.50 per unit

201 -500 units - Rs. 6 per unit

501 units - Rs. 7 per unit

2. Develop a java application to implement currency converter (Dollar to INR, EURO to INR, Yen to INR and vice versa), distance converter (meter to KM, miles to KM and vice versa), time converter (hours to minutes, seconds and vice versa) using packages.

3. Develop a java application with Employee class with Emp_name, Emp_id, Address, Mail_id, Mobile_no as members. Inherit the classes, Programmer, Assistant Professor, Associate Professor and Professor from employee class. Add Basic Pay (BP) as the member of all the inherited classes with 97% of BP as DA, 10 % of BP as HRA, 12% of BP as PF, 0.1% of BP for staff club fund. Generate pay slips for the employees with their gross and net salary.

4. Design a Java interface for ADT Stack. Implement this interface using array. Provide necessary exception handling in both the implementations.

5. Write a program to perform string operations using ArrayList. Write functions for the following
    a. Append - add at end
    b. Insert – add at particular index
    c. Search
    d. List all string starts with given letter

6. Write a Java Program to create an abstract class named Shape that contains two integers and an empty method named print Area(). Provide three classes named Rectangle, Triangle and Circle such that each one of the classes extends the class Shape. Each one of the classes contains only the method print Area () that prints the area of the given shape.

7. Write a Java program to implement user defined exception handling.

8. Write a Java program that reads a file name from the user, displays information about whether the file exists, whether the file is readable, or writable, the type of file and the length of the file in bytes.

9. Write a java program that implements a multi-threaded application that has three threads. First thread generates a random integer every 1 second and if the value is even, second thread computes the square of the number and prints. If the value is odd, the third thread will print the value of cube of the number.

10. Write a java program to find the maximum value from the given type of elements using a generic function.
11. Design a calculator using event-driven programming paradigm of Java with the following options.
    a) Decimal manipulations
    b) Scientific manipulations
12. Develop a mini project for any application using Java concepts.

7. CS8382 Digital Systems Laboratory

1. Verification of Boolean Theorems using basic gates.

2. Design and implementation of combinational circuits using basic gates for arbitrary

   functions, code converters.

3. Design and implement Half/Full Adder and Subtractor.

4. Design and implement combinational circuits using MSI devices:

   4 – bit binary adder / subtractor

   Parity generator / checker

   Magnitude Comparator

   Application using multiplexers

5. Design and implement shift-registers.

6. Design and implement synchronous counters.

7. Design and implement asynchronous counters.

8. Coding combinational circuits using HDL.

9. Coding sequential circuits using HDL.

10. Design and implementation of a simple digital system (Mini Project).

8. HS8381 Interpersonal Skills/Listening &Speaking

1. Giving Personal Information

2. Find Someone Who
3. Listening to TED Talks and Speaking
4. Just A Minute (JAM) - Articulating Ideas
5. Giving and Receiving Information
6. Short Conversations
7. Compare and Contrast Information - Peer Evaluation and Presentation
8. Describing Health and Symptoms
9. Phatic Communication
10. Listening and Taking Part in a Telephonic Conversation
11. Creative Writing and Speaking
12. Group Discussion
13. Delivering a Formal Speech
14. Debate – Argumentative Speech
15. Presentation using Collage/ Seminar Presentation

IV Semester

9. CS8481 Database Management Systems Laboratory

1. Data Definition Commands, Data Manipulation Commands for inserting, deleting, updating and retrieving Tables and Transaction Control statements.
2. Database Querying – Simple queries, Nested queries, Sub queries and Joins
3. Views, Sequences, Synonyms
4. Database Programming: Implicit and Explicit Cursors
5. Procedures and Functions
6. Triggers
7. Exception Handling
8. Database Design using ER modeling, normalization and Implementation for any application
9. Database Connectivity with Front End Tools
10. Case Study using real life database applications

10. CS8461 Operating Systems Laboratory

1. Basics of UNIX commands

2. Write programs using the following system calls of UNIX operating system fork, exec, getpid, exit, wait, close, stat, opendir, readdir

3. Write C programs to simulate UNIX commands like cp, ls, grep, etc.

4. Shell Programming
5. Write C programs to implement the various CPU Scheduling Algorithms
6. Implementation of Semaphores
7. Implementation of Shared memory and IPC
8. Bankers Algorithm for Deadlock Avoidance
9. Implementation of Deadlock Detection Algorithm
10. Write C program to implement Threading & Synchronization Applications
11. Implementation of the following Memory Allocation Methods for fixed partition a) First Fit b) Worst Fit c) Best Fit
12. Implementation of Paging Technique of Memory Management
13. Implementation of the following Page Replacement Algorithms
     a) FIFO b) LRU c) LFU
14. Implementation of the various File Organization Techniques
15. Implementation of the following File Allocation Strategies
     a) Sequential b) Indexed c) Linked

11. HS8461 Advanced Reading and Writing

1. Reading Comprehension
2. Read and Interpret
3. Reading Different Genres
4. Reading and Note Taking
5. Pleasure Reading
6. Critical Reading
7. Paragraph writing
8. Email Writing
9. Writing Proposals
10. Creative Writing
11. Writing Reports
12. Job Application and Resumes
13. Article Writing
14. Summary writing
15. Interview Question

V Semester

12 EC8681 Microprocessors and Microcontrollers Laboratory

1(A). ADDITION OF TWO 8 BIT NUMBERS
1(B). ADDITION OF TWO 16 BIT NUMBERS
2(A). SUBTRACTION OF TWO 8 BIT NUMBERS
2(B). SUBTRACTION OF TWO 16 BIT NUMBERS
3(A). MULTIPLICATION OF TWO 8 -BIT NUMBERS

3(B). MULTIPLICATION OF TWO 16 BIT NUMBERS

4(A). DIVISION OF 16 BIT NUMBER BY 8 BIT NUMBER

4(B). DIVISION OF 32 BIT NUMBER BY 16 BIT NUMBER

5(A). LARGEST NUMBER

5(B). SMALLEST NUMBER

6(A). ASCENDING ORDER

6(B). DESCENDING ORDER

7(A). HEXADECIMAL TO ASCII CONVERSION

7(B). BINARY TO BCD CONVERSION

8(A). MATRIX ADDITION

8(B). MATRIX SUBTRACTION

9. MOVING THE BLOCK OF DATA

10(A). BCD ADDITION (DECIMAL ADJUSTMENT AFTER ADDITION)

10(B). LOGICAL OPERATION USING 8086

11. ADDITION OF TWO ARRAYS

12(A). 2'S COMPLIMENT

12(B). ADITION OF TWO 8-BIT NUMBERS USING 8051 MC

12(C). SUBTRACTION OF TWO 8-BIT NUMBERS USING 8051 MC

13(A). 8 BIT MULTIPLICATION USING 8051

13(B). 8 BIT DIVISION USING 8051

14. UNPACKED BCD TO ASCII USING 8051

15. TRAFFIC LIGHT INTERFACING

16(A). ADC INTERFACING WITH 8086

16(B). DAC INTERFACING WITH 8086 MICROPROCESSOR

13. CS8582 Object Oriented Analysis and Design Laboratory

1. Passport automation system.
2. Book bank
3. Exam registration
4. Stock maintenance system.
5. Online course reservation system
6. Airline/Railway reservation system
7. Software personnel management system
8. Credit card processing
9. e-book management system
10. Recruitment system
11. Foreign trading system
12. Conference management system

13. BPO management system
14. Library management system
15. Student information system

14. CS8581 Networks Laboratory

1. Learn to use commands like tcpdump, netstat, ifconfig, nslookup and traceroute. Capture ping and traceroute PDUs using a network protocol analyzer and examine.
2. Write a HTTP web client program to download a webpage using TCP sockets.
3. Applications using TCP sockets like:
4. Echo client and echo server
5. Chat
6. File Transfer
7. Simulation of DNS using UDP sockets.
8. Write a code simulating ARP/RARP protocols.
9. Study of Network simulator (NS) and Simulation of Congestion Control Algorithms using NS.
10. Study of TCP/UDP performance using Simulation tool.
11. Simulation of Distance Vector/ Link State Routing algorithm.
12. Performance evaluation of Routing protocols using Simulation tool.
13. Simulation of error correction code(likeCRC).

VI Semester

14. CS8661 Internet Programming Laboratory

1. Create a web page with the following using HTML a. To embed a map in a web page b. To fix the hot spots in that map c. Show all the related information when the hot spots are clicked.
2. Create a web page with the following. a. Cascading style sheets. b. Embedded style sheets. c. Inline style sheets. Use our college information for the web pages.
3. Validate the Registration, user login, user profile and payment by credit card pages using JavaScript.
4. Write programs in Java using Servlets: i. To invoke servlets from HTML forms ii. Session tracking using hidden form fields and Session tracking for a hit count
5. Write programs in Java to create three-tier applications using servlets for conducting on-line examination for displaying student mark list. Assume that

student information is available in a database which has been stored in a database server.

6. Install TOMCAT web server. Convert the static web pages of programs into dynamic web pages using servlets (or JSP) and cookies. Hint: Users information (user id, password, credit card number) would be stored in web.xml. Each user should have a separate Shopping Cart.

7. Redo the previous task using JSP by converting the static web pages into dynamic web pages. Create a database with user information and books information. The books catalogue should be dynamically loaded from the database.

8. Create and save an XML document at the server, which contains 10 users Information. Write a Program, which takes user Id as an input and returns the User details by taking the user information from the XML document.

9. Validate the form using PHP regular expression.

10. PHP stores a form data into database.

11. Write a web service for finding what people think by asking 500 people's opinion for any consumer product.

15. CS8662 Mobile Application Development Laboratory

1. Develop an application that uses GUI components, Font and Colors.
2. Develop an application that uses Layout Managers and event listeners.
3. Write an application that draws basic graphical primitives on the screen.
4. Develop an application that makes use of databases.
5. Develop an application for Native Calculator
6. Implement an application that uses Multi-threading.
7. Develop a native application that uses GPS location information.
8. Implement an application that writes data to the SD card.
9. Implement an application that creates an alert upon receiving a message.
10. Write a mobile application that makes use of RSS feed.
11. Develop a mobile application to send an email.
12. Develop a Mobile application for simple needs (Alarm Clock)

16. CS8611 Mini Project

17. HS8581 Professional Communication

1. Introduction to Soft Skills
2. Grooming as a Professional with values

3. Introducing Oneself
4. Effective Presentation
5. Group Discussion
6. Brainstorming - Questioning and Clarifying
7. Creative Writing and Speaking
8. Professional Skills- Checklist
9. Listening and Taking Part in a Telephonic Conversation
10. Interview Etiquette

VII Semester

18. CS8711 Cloud Computing Laboratory

1. Install Virtualbox/VMware Workstation with different flavours of linux or windows OS on top of windows7 or 8.
2. Install a C compiler in the virtual machine created using virtual box and execute Simple Programs
3. Install Google App Engine. Create hello world app and other simple web applications using python/java.
4. Use GAE launcher to launch web applications.
5. Simulate a cloud scenario using CloudSim and run a scheduling algorithm that is not present in CloudSim.
6. Find a procedure to transfer the files from one virtual machine to another virtual machine.
7. Find a procedure to launch virtual machine using trystack (Online Openstack Demo Version)
8. Install Hadoop single node cluster and run simple applications like wordcount.

19. IT8761 Security Laboratory

1. Perform encryption, decryption using the following substitution techniques
   i. Ceaser cipher
   ii. Playfair cipher
   iii. Hill Cipher
   iv. Vigenere cipher
2. Perform encryption and decryption using following transposition techniques Rail fence - Row & Column Transformation
3. Apply DES algorithm for practical applications.
4. Apply AES algorithm for practical applications
5. Implement RSA Algorithm using HTML and JavaScript
6. Implement the Diffie-Hellman Key Exchange algorithm for a given problem.
7. Calculate the message digest of a text using the SHA-1 algorithm
8. Implement the SIGNATURE SCHEME - Digital Signature Standard.

9. Demonstrate intrusion detection system (ids) using any tool eg. Snort or any other s/w.
10. Automated Attack and Penetration Tools Exploring N-Stalker, a Vulnerability Assessment Tool
11. Defeating Malware - Building Trojans, Rootkit Hunter

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EC8261 CIRCUITS AND DEVICES LABORATORY

1. Characteristics of PN Junction Diode

2. Zener diode Characteristics & Regulator using Zener diode

3. Common Emitter input-output Characteristics

4. Common Base input-output Characteristics

5. FET Characteristics

6. SCR Characteristics

7. Clipper and Clamper & FWR

8. Verifications Of Thevinin & Norton theorem

9. Verifications Of KVL & KCL

10. Verifications Of Super Position Theorem

11. verifications of maximum power transfer & reciprocity theorem

12. Determination Of Resonance Frequency of Series & Parallel RLC Circuits

13. Transient analysis of RL and RC circuits

GE8261 ENGINEERING PRACTICES LABORATORY

GROUP A (CIVIL & MECHANICAL) I CIVIL ENGINEERING PRACTICE

Buildings:

(a) Study of plumbing and carpentry components of residential and industrial buildings. Safety aspects.

Plumbing Works:

(a) Study of pipeline joints, its location and functions: valves, taps, couplings, unions, reducers, elbows in household fittings.

(b) Study of pipe connections requirements for pumps and turbines.

(c) Preparation of plumbing line sketches for water supply and sewage works.

(d) Hands-on-exercise: Basic pipe connections – Mixed pipe material connection – Pipe connections with different joining components.

(e) Demonstration of plumbing requirements of high-rise buildings.

Carpentry using Power Tools only:

(a) Study of the joints in roofs, doors, windows and furniture.

(b) Hands-on-exercise: Wood work, joints by sawing, planing and cutting.

II MECHANICAL ENGINEERING PRACTICE

Welding:

(a) Preparation of butt joints, lap joints and T- joints by Shielded metal arc welding.

Gas welding practice Basic Machining:

(a) Simple Turning and Taper turning

(b) Drilling Practice Sheet Metal Work:

(a) Forming & Bending:

(b) Model making – Trays and funnels.

(c) Different type of joints.

Machine assembly practice:

(a) Study of centrifugal pump

(b) Study of air conditioner

Demonstration on:

(a) Smithy operations, upsetting, swaging, setting down and bending. Example – Exercise – Production of hexagonal headed bolt.

(b) Foundry operations like mould preparation for gear and step cone pulley. (c) Fitting – Exercises – Preparation of square fitting and V – fitting models.

GROUP B (ELECTRICAL & ELECTRONICS)
III ELECTRICAL ENGINEERING PRACTICE

1. Residential house wiring using switches, fuse, indicator, lamp and energy meter.

2. Fluorescent lamp wiring.

3. Stair case wiring

4. Measurement of electrical quantities – voltage, current, power & power factor in RLC circuit.

5. Measurement of energy using single phase energy meter.

6. Measurement of resistance to earth of an electrical equipment.

IV ELECTRONICS ENGINEERING PRACTICE

1. Study of Electronic components and equipments – Resistor, colour coding measurement of AC signal parameter (peak-peak, rms period, frequency) using CR.

2. Study of logic gates AND, OR, EX-OR and NOT. 3. Generation of Clock Signal. 4. Soldering practice – Components Devices and Circuits – Using general purpose PCB. 5. Measurement of ripple factor of HWR and FWR.

EC8381 FUNDAMENTALS OF DATA STRUCTURES IN C LABORATORY
LIST OF EXERCISES
1. Basic C Programs – looping, data manipulations, arrays
2. Programs using strings – string function implementation
3. Programs using structures and pointers
4. Programs involving dynamic memory allocations
5. Array implementation of stacks and queues
6. Linked list implementation of stacks and queues
7. Application of Stacks and Queues
8. Implementation of Trees, Tree Traversals
9. Implementation of Binary Search trees
10. Implementation of Linear search and binary search
11. Implementation Insertion sort, Bubble sort, Quick sort and Merge Sort
12. Implementation Hash functions, collision resolution technique

EC8361 ANALOG AND DIGITAL CIRCUITS LABORATORY
LIST OF ANALOG EXPERIMENTS:
1. Design of Regulated Power supplies
2. Frequency Response of CE, CB, CC and CS amplifiers
3. Darlington Amplifier
4. Differential Amplifiers - Transfer characteristics, CMRR Measurement
5. Cascode and Cascade amplifiers
6. Determination of bandwidth of single stage and multistage amplifiers
7. Analysis of BJT with Fixed bias and Voltage divider bias using Spice
8. Analysis of FET, MOSFET with fixed bias, self-bias and voltage divider bias using simulation software like Spice
9. Analysis of Cascode and Cascade amplifiers using Spice
10. Analysis of Frequency Response of BJT and FET using Spice

HS8381 INTERPERSONAL SKILLS/LISTENING&SPEAKING
UNIT I
Listening as a key skill- its importance- speaking - give personal information - ask for personal information - express ability - enquire about ability - ask for clarification Improving pronunciation- pronunciation basics taking lecture notes - preparing to listen to a lecture - articulate a complete idea as opposed to producing fragmented utterances.

UNIT II
Listen to a process information- give information, as part of a simple explanation – conversation starters: small talk - stressing syllables and speaking clearly - intonation patterns - compare and contrast information and ideas from multiple sources- converse with reasonable accuracy over a wide range of everyday topics.

UNIT III
Lexical chunking for accuracy and fluency- factors influence fluency, deliver a five-minute informal talk - greet - respond to greetings - describe health and symptoms - invite and offer -accept - decline - take leave - listen for and follow the gist- listen for detail

UNIT IV

Being an active listener: giving verbal and non-verbal feedback - participating in a group discussion - summarizing academic readings and lectures conversational speech listening toand participating in conversations - persuade.

UNIT V

Formal and informal talk - listen to follow and respond to explanations, directions and instructions in academic and business contexts - strategies for presentations and interactive communication -group/pair presentations - negotiate disagreement in group work.

EC8461 CIRCUITS DESIGN AND SIMULATION LABORATORY

DESIGN AND ANALYSIS OF THE FOLLOWING CIRCUITS
1. Series and Shunt feedback amplifiers-Frequency response, Input and output impedance
2. RC Phase shift oscillator and Wien Bridge Oscillator
3. Hartley Oscillator and Colpitts Oscillator
4. Single Tuned Amplifier
5. RC Integrator and Differentiator circuits
6. Astable and Monostable multivibrators
7. Clippers and Clampers

SIMULATION USING SPICE (Using Transistor):
1. Tuned Collector Oscillator
2. Twin -T Oscillator / Wein Bridge Oscillator
3. Double and Stagger tuned Amplifiers
 4. Bistable Multivibrator
5. Schmitt Trigger circuit with Predictable hysteresis
6. Analysis of power amplifier

EC8462 LINEAR INTEGRATED CIRCUITS LABORATORY
DESIGN AND TESTING OF THE FOLLOWING CIRCUITS
1. Inverting, Non inverting and differential amplifiers.
2. Integrator and Differentiator.
3. Instrumentation amplifier
 4. Active low-pass, High-pass and band-pass filters.
5. Astable & Monostable multivibrators using Op-amp
6. Schmitt Trigger using op-amp.
7. Phase shift and Wien bridge oscillators using Op-amp.
8. Astable and Monostable multivibrators using NE555 Timer.
9. PLL characteristics and its use as Frequency Multiplier, Clock synchronization
10. R-2R Ladder Type D- A Converter using Op-amp.
11. DC power supply using LM317 and LM723.
12. Study of SMPS
SIMULATION USING SPICE:
 1. Active low-pass, High-pass and band-pass filters using Op-amp
 2. Astable and Monostable multivibrators using NE555 Timer.

3. A/ D converter 4. Analog multiplier

EC8562 DIGITAL SIGNAL PROCESSING LABORATORY

LIST OF EXPERIMENTS: MATLAB / EQUIVALENT SOFTWARE PACKAGE
1. Generation of elementary Discrete-Time sequences
2. Linear and Circular convolutions
3. Auto correlation and Cross Correlation
4. Frequency Analysis using DFT
5. Design of FIR filters (LPF/HPF/BPF/BSF) and demonstrates the filtering operation
6. Design of Butterworth and Chebyshev IIR filters (LPF/HPF/BPF/BSF) and demonstrate the filtering operations

 DSP PROCESSOR BASED IMPLEMENTATION
1. Study of architecture of Digital Signal Processor
2. Perform MAC operation using various addressing modes
3. Generation of various signals and random noise
4. Design and demonstration of FIR Filter for Low pass, High pass, Band pass and Band stop filtering
5. Design and demonstration of Butter worth and Chebyshev IIR Filters for Low pass, High pass, Band pass and Band stop filtering
6. Implement an Up-sampling and Down-sampling operation in DSP Processor

EC8561 COMMUNICATION SYSTEMS LABORATORY

LIST OF EXPERIMENTS:
 1. Signal Sampling and reconstruction
 2. Time Division Multiplexing
3. AM Modulator and Demodulator
4. FM Modulator and Demodulator
5. Pulse Code Modulation and Demodulation
6. Delta Modulation and Demodulation
7. Line coding schemes
 8. Simulation of ASK, FSK, and BPSK generation schemes
9. Simulation of DPSK, QPSK and QAM generation schemes
10. Simulation of signal constellations of BPSK, QPSK and QAM
11. Simulation of ASK, FSK and BPSK detection schemes
12. Simulation of Linear Block and Cyclic error control coding schemes
13. Simulation of Convolutional coding scheme
 14. Communication link simulation

EC8563 COMMUNICATION NETWORKS LABORATORY
LIST OF EXPERIMENTS:
1. Implementation of Error Detection / Error Correction Techniques
2. Implementation of Stop and Wait Protocol and sliding window
3. Implementation and study of Goback-N and selective repeat protocols
4. Implementation of High Level Data Link Control
5. Implementation of IP Commands such as ping, Traceroute, nslookup.
6. Implementation of IP address configuration.

7. To create scenario and study the performance of network with CSMA / CA protocol and compare with CSMA/CD protocols.

8. Network Topology - Star, Bus, Ring

9. Implementation of distance vector routing algorithm

10. Implementation of Link state routing algorithm

11. Study of Network simulator (NS) and simulation of Congestion Control Algorithms using NS

12. Implementation of Encryption and Decryption Algorithms using any programming language

EC8681 MICROPROCESSORS AND MICROCONTROLLERS LABORATORY

LIST OF EXPERIMENTS: 8086 Programs using kits and MASM

1. Basic arithmetic and Logical operations

2. Move a data block without overlap

3. Code conversion, decimal arithmetic and Matrix operations.

4. Floating point operations, string manipulations, sorting and searching

5. Password checking, Print RAM size and system date

6. Counters and Time Delay Peripherals and Interfacing Experiments

7. Traffic light controller

8. Stepper motor control

9. Digital clock

10. Key board and Display

11. Printer status

12. Serial interface and Parallel interface

13. A/D and D/A interface and Waveform Generation 8051 Experiments using kits and MASM

14. Basic arithmetic and Logical operations

15. Square and Cube program, Find 2's complement of a number

16. Unpacked BCD to ASCII

EC8661 VLSI DESIGN LABORATORY

LIST OF EXPERIMENTS:

Part I: Digital System Design using HDL & FPGA (24 Periods)

1. Design an Adder (Min 8 Bit) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA

2. Design a Multiplier (4 Bit Min) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA

3. Design an ALU using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA

4. Design a Universal Shift Register using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA

5. Design Finite State Machine (Moore/Mealy) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA

6. Design Memories using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA Compare pre synthesis and post synthesis simulation for experiments 1 to 6.

Part-II Digital Circuit Design

7. Design and simulate a CMOS inverter using digital flow

8. Design and simulate a CMOS Basic Gates & Flip-Flops

9. Design and simulate a 4-bit synchronous counter using a Flip-Flops Manual/Automatic Layout

Generation and Post Layout Extraction for experiments 7 to 9 Analyze the power, area and timing for experiments 7 to 9 by performing Pre Layout and Post Layout Simulations.

Part-III Analog Circuit Design
10. Design and Simulate a CMOS Inverting Amplifier.
11. Design and Simulate basic Common Source, Common Gate and Common Drain Amplifiers. Analyze the input impedance, output impedance, gain and bandwidth for experiments 10 and 11 by performing Schematic Simulations.
12. Design and simulate simple 5 transistor differential amplifier. Analyze Gain, Bandwidth and CMRR by performing Schematic Simulations.

EC8711 EMBEDDED LABORATORY

LIST OF EXPERIMENTS:
1. Study of ARM evaluation system
2. Interfacing ADC and DAC.
3. Interfacing LED and PWM.
4. Interfacing real time clock and serial port.
5. Interfacing keyboard and LCD.
6. Interfacing EPROM and interrupt.
7. Mailbox.
8. Interrupt performance characteristics of ARM and FPGA.
9. Flashing of LEDS.
10. Interfacing stepper motor and temperature sensor.
11. Implementing zigbee protocol with ARM.

EC8761 ADVANCED COMMUNICATION LABORATORY

LIST OF OPTICAL EXPERIMENTS
1. Measurement of connector, bending and fiber attenuation losses.
2. Numerical Aperture and Mode Characteristics of Fibers.
3. DC Characteristics of LED and PIN Photo diode.
4. Fiber optic Analog and Digital Link Characterization - frequency response(analog), eye diagram and BER (digital)
LIST OF WIRELESS COMMUNICATION EXPERIMENTS
 1. Wireless Channel Simulation including fading and Doppler effects
2. Simulation of Channel Estimation, Synchronization & Equalization techniques
3. Analysing Impact of Pulse Shaping and Matched Filtering using Software Defined Radios
4. OFDM Signal Transmission and Reception using Software Defined Radios
LIST OF MICROWAVE EXPERIMENTS
1. VSWR and Impedance Measurement and Impedance Matching
2. Characterization of Directional Couplers, Isolators, Circulators
3. Gunn Diode Characteristics
4. Microwave IC – Filter Characteristics

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course: EC811/ELECTRONICS LABORATORY

Class:II Year/ III Semester

Exp. No.	Experiment Title
1.	Characteristics of Semiconductor diode and Zener diode
2.	Characteristics of a NPN Transistor under common emitter , common collector and common base configurations
3.	Characteristics of JFET and draw the equivalent circuit
4.	Characteristics of UJT and generation of saw tooth waveforms
5.	Design and Frequency response characteristics of a Common Emitter amplifier
6.	Characteristics of photo diode & photo transistor, Study of light activated relay circuit
7.	Design and testing of RC phase shift and LC oscillators
8.	Single Phase half-wave and full wave rectifiers with inductive and capacitive filters
9.	Differential amplifiers using FET
10.	Study of CRO for frequency and phase measurements

Course: EE8311 Electrical Machines Laboratory-I

Class:II Year/ III Semester

Exp. No.	Experiment Title
1.	Open circuit and load characteristics of DC shunt generator- critical resistance and critical speed
2.	Load characteristics of DC compound generator with differential and cumulative connections
3.	Load test on DC shunt motor
4.	Load test on DC compound motor
5.	Load test on DC series motor
6.	Swinburne's test and speed control of DC shunt motor
7.	Hopkinson's test on DC motor –generator set
8.	Load test on single-phase transformer and three phase transformers
9.	Open circuit and short circuit tests on single phase transformer
10.	Sumpner's test on single phase transformers
11.	Separation of no-load losses in single phase transformer
12.	Study of starters and 3-phase transformers connections

Course: EE8311 Electrical Machines Laboratory-II

Class: II Year/ IV Semester

Exp. No.	Experiment Title
1.	Regulation of three phase alternator by EMF and MMF methods
2.	Regulation of three phase alternator by ZPF and ASA methods
3.	Regulation of three phase salient pole alternator by slip test
4.	Measurements of negative sequence and zero sequence impedance of alternators
5.	V and Inverted V curves of Three Phase Synchronous Motor
6.	Load test on three-phase induction motor
7.	No load and blocked rotor tests on three-phase induction motor (Determination of equivalent circuit parameters)
8.	Separation of no-load losses of three-phase induction motor
9.	Load test on single-phase induction motor
10.	No load and blocked rotor test on single-phase induction motor
11.	Study of Induction motor Starters

Course: Ee8461 Linear and Digital Integrated Circuits Laboratory

Class: II Year/ IV Semester

Exp. No.	Experiment Title
1.	Implementation of Boolean Functions, Adder and Subtractor circuits.
2.	Code converters: Excess-3 to BCD and Binary to Gray code converter and vice-versa
3.	Parity generator and parity checking
4.	Encoders and Decoders
5.	Counters: Design and implementation of 3-bit modulo counters as synchronous and Asynchronous types using FF IC's and specific counter IC.
6.	Shift Registers: Design and implementation of 4-bit shift registers in SISO, SIPO, PISO, PIPO modes using suitability IC's.
7.	Study of multiplexer and de multiplexer
8.	Timer IC application: Study of NE/SE 555 timer in Astability, Monostability operation.
9.	Application of Op-Amp: inverting and non-inverting amplifier, Adder, comparator, Integrator and Differentiator.
10.	Voltage to frequency characteristics of NE/ SE 566 IC.
11.	Variability Voltage Regulator using IC LM317.

Course: Cs8383 Object Oriented Programming Laboratory

Class: I Year/ II Semester

Exp. No.	Experiment Title
1.	Develop a Java application to generate Electricity bill. Create a class with the following members: Consumer no., consumer name, previous month reading, current month reading, type of EB connection(i.e domestic or commercial). Compute the bill amount using the following tariff. If the type of the EB connection is domestic, calculate the amount to be paid as follows: • First 100 units - Rs. 1 per unit • 101-200 units - Rs. 2.50 per unit • 201 -500 units - Rs. 4 per unit • > 501 units - Rs. 6 per unit If the type of the EB connection is commercial, calculate the amount to be paid as follows: • First 100 units - Rs. 2 per unit • 101-200 units - Rs. 4.50 per unit • 201 -500 units - Rs. 6 per unit • > 501 units - Rs. 7 per unit
2.	Develop a java application to implement currency converter (Dollar to INR, EURO to INR, Yen to INR and vice versa), distance converter (meter to KM, miles to KM and vice versa) , time converter (hours to minutes, seconds and vice versa) using packages.
3.	Develop a java application with Employee class with Emp_name, Emp_id, Address, Mail_id, Mobile_no as members. Inherit the classes, Programmer, Assistant Professor, Associate Professor and Professor from employee class. Add Basic Pay (BP) as the member of all the inherited classes with 97% of BP as DA, 10 % of BP as HRA, 12% of BP as PF, 0.1% of BP for staff club fund. Generate pay slips for the employees with their gross and net salary.
4.	Design a Java interface for ADT Stack. Implement this interface using array. Provide necessary exception handling in both the implementations.
5.	Write a program to perform string operations using Array List. Write functions for the following a. Append - add at end b. Insert – add at particular index c. Search d. List all string starts with given letter
6.	Write a Java Program to create an abstract class named Shape that contains two integers and an empty method named print Area(). Provide three classes named Rectangle, Triangle and Circle such that each one of the classes extends the class Shape. Each one of the classes contains only the method print Area () that prints the area of the given shape.
7.	Write a Java program to implement user defined exception handling.
8.	Write a Java program that reads a file name from the user, displays information about whether the file exists, whether the file is readable, or writable, the type of file and the length of the file in bytes.

9.	Write a java program that implements a multi-threaded application that has three threads. First thread generates a random integer every 1 second and if the value is even, second thread computes the square of the number and prints. If the value is odd, the third thread will print the value of cube of the number.
10.	Write a java program to find the maximum value from the given type of elements using a generic function.
11.	Design a calculator using event-driven programming paradigm of Java with the following options. a) Decimal manipulations b) Scientific manipulations
12.	Develop a mini project for any application using Java concepts

Course: EE8511 Control and Instrumentation Laboratory
Class: III Year/ V Semester

Exp. No.	Experiment Title
CONTROLSYSTEMS:	
1.	P, PI and PID controllers
2.	Stability Analysis
3.	Modeling of Systems – Machines, Sensors and Transducers
4.	Design of Lag, Lead and Lag-Lead Compensators
5.	Position Control Systems
6.	Synchro-Transmitter- Receiver and Characteristics
7.	Simulation of Control Systems by Mathematical development tools.
INSTRUMENTATION:	
8.	Bridge Networks –AC and DC Bridges
9.	Dynamics of Sensors/Transducers (a) Temperature (b) pressure (c) Displacement (d) Optical (e) Strain (f) Flow
10.	Power and Energy Measurement
11.	Signal Conditioning (a) Instrumentation Amplifier (b) Analog – Digital and Digital –Analog converters (ADC and DACs)
12.	Process Simulation

Course: EE8661 Power Electronics and Drives Laboratory
Class: III Year/ VI Semester

Exp. No.	Experiment Title
1.	Gate Pulse Generation using R, RC and UJT
2.	Characteristics of SCR and TRIAC
3.	Characteristics of MOSFET and IGBT

4.	AC to DC half controlled converter
5.	AC to DC fully controlled Converter
6.	Step down and step up MOSFET based choppers
7.	IGBT based single phase PWM inverter
8.	IGBT based three phase PWM inverter
9.	AC Voltage controller
10.	Switched mode power converter.
11.	Simulation of PE circuits (1Φ & 3Φ semi converters, 1Φ & 3Φ full converters, DC-DC converters, AC voltage controllers).
12.	Characteristics of GTO & IGCT.
13.	Characteristics of PMBLDC motor

Course: EE8711 Power System Simulation Laboratory

Class: IV Year/ VII Semester

Exp. No.	Experiment Title
1.	Computation of Transmission Line Parameters
2.	Formation of Bus Admittance and Impedance Matrices and Solution of Networks
3.	Power Flow Analysis using Gauss-Seidel Method
4.	Power Flow Analysis using Newton Raphson Method
5.	Symmetric and unsymmetrical fault analysis
6.	Transient stability analysis of SMIB System
7.	Economic Dispatch in Power Systems
8.	Load – Frequency Dynamics of Single- Area and Two-Area Power Systems
9.	State estimation: Weighted least square estimation
10.	Electromagnetic Transients in Power Systems : Transmission Line Energization

Name of the Laboratory: EEE Computer Laboratory

Course: EE8712 Renewable Energy Systems Laboratory

Class: IV Year/ VII Semester

Exp. No.	Experiment Title
1.	Simulation study on Solar PV Energy System.
2.	Experiment on "VI-Characteristics and Efficiency of 1kWp Solar PV System".
3.	Experiment on "Shadowing effect & diode based solution in 1kWp Solar PV System".
4.	Experiment on Performance assessment of Grid connected and Standalone 1kWp Solar Power System.
5.	Simulation study on Wind Energy Generator.
6.	Experiment on Performance assessment of micro Wind Energy Generator.

7.	Simulation study on Hybrid (Solar-Wind) Power System.
8.	Experiment on Performance Assessment of Hybrid (Solar-Wind) Power System.
9.	Simulation study on Hydel Power.
10.	Experiment on Performance Assessment of 100W Fuel Cell.
11.	Simulation study on Intelligent Controllers for Hybrid Systems.

Course: Hs8581 Professional Communication
Class: III Year/ V Semester

UNIT I

Introduction to Soft Skills-- Hard skills & soft skills - employability and career Skills— Grooming as a professional with values—Time Management—General awareness of Current Affairs

UNIT II

Self-Introduction-organizing the material - Introducing oneself to the audience – introducing the topic – answering questions – individual presentation practice— presenting the visuals effectively – 5 minute presentations

UNIT III

Introduction to Group Discussion— Participating in group discussions – understanding group dynamics - brainstorming the topic -– questioning and clarifying –GD strategies- activities to improve GD skills

UNIT IV

Interview etiquette – dress code – body language – attending job interviews– telephone/skype interview -one to one interview &panel interview – FAQs related to job interviews

UNIT V

Recognizing differences between groups and teams- managing time-managing stress-networking professionally- respecting social protocols-understanding career management-developing a longterm career plan-making career changes.

MECHANICAL ENGINEERING

ME8361 MANUFACTURING TECHNOLOGY LABORATORY

LIST OF EXPERIMENTS

- Machining and Machining time estimations for:
- Taper Turning
- External Thread cutting
- Internal Thread Cutting
- Eccentric Turning

- Knurling
- Square Head Shaping
- Hexagonal Head Shaping
- Fabrication of simple structural shapes using Gas Metal Arc Welding
- Joining of plates and pipes using Gas Metal Arc Welding/ Arc Welding /Submerged arc welding
- Preparation of green sand moulds
- 11 Manufacturing of simple sheet metal components using shearing and bending operations.
- Manufacturing of sheet metal components using metal spinning on a lathe

ME8381 COMPUTER AIDED MACHINE DRAWING

LIST OF EXPERIMENTS

- Study of Drawing standards and fits and tolerances
- Introduction to CADD
- Introduction to modeling software SOLID WORKS
- 2D Drafting of Plummer block bearing
- 2D Drafting of Non-return valves
- 2D Drafting of Safety valve
- 3D Assembly of Flange Coupling
- 3D Assembly of Universal Coupling
- 3D Assembly of Oldham's Coupling
- 3D Assembly of Knuckle joint
- 3D Assembly of Socket and Spigot joint
- 3D Assembly of Gib and Cotter joint
- 3D Assembly of Connecting rod
- 3D Assembly of Piston
- 3D Assembly of Stuffing box
- 3D Assembly of Screw jack
- 3D Assembly of Machine vice
- 3D Assembly of Tail stock
- 3D Assembly of Gear pump

EE8361 ELECTRICAL ENGINEERING LABORATORY

LIST OF EXPERIMENTS

- Load test on DC Shunt & DC Series motor
- O.C.C & Load characteristics of DC Shunt and DC Series generator
- Speed control of DC shunt motor (Armature, Field control)
- Load test on single phase transformer
- O.C & S.C Test on a single phase transformer

- Regulation of an alternator by EMF & MMF methods.
- V curves and inverted V curves of synchronous Motor
- Load test on three phase squirrel cage Induction motor
- Speed control of three phase slip ring Induction Motor
- Study of DC & AC Starters

HS8381 Interpersonal Skills/Listening &Speaking
LIST OF EXPERIMENTS

- Giving Personal Information
- Find Someone Who
- Listening to TED Talks and Speaking
- Just A Minute (JAM) - Articulating Ideas
- Giving and Receiving Information
- Short Conversations
- Compare and Contrast Information - Peer Evaluation and Presentation
- Describing Health and Symptoms
- Phatic Communication
- Listening and Taking Part in a Telephonic Conversation
- Creative Writing and Speaking
- Group Discussion
- Delivering a Formal Speech
- Debate – Argumentative Speech
- Presentation using Collage/ Seminar Presentation

IV   **Semester**

ME8462 MANUFACTURING TECHNOLOGY LABORATORY – II

LIST OF EXPERIMENTS:

- Contour milling using vertical milling machine
- Spur gear cutting in milling machine
- Helical Gear Cutting in milling machine
- Gear generation in hobbing machine
- Gear generation in gear shaping machine
- Plain Surface grinding
- Cylindrical grinding
- Tool angle grinding with tool and Cutter Grinder
- Measurement of cutting forces in Milling / Turning Process
- CNC Part Programming

CE8381 STRENGTH OF MATERIALS AND FLUID MECHANICS AND MACHINERY
LABORATORY

STRENGTH OF MATERIALS

LIST OF EXPERIMENTS

- o Tension test on a mild steel rod
- o Double shear test on Mild steel and Aluminium rods
- o Torsion test on mild steel rod
- o Impact test on metal specimen
- o Hardness test on metals - Brinnell and Rockwell Hardness Number
- o Deflection test on beams
- o Compression test on helical springs
- o Strain Measurement using Rosette strain gauge
- o Effect of hardening- Improvement in hardness and impact resistance of steels.
- o Tempering- Improvement Mechanical Properties Comparison

    (i) Unhardened specimen

    (ii) Quenched Specimen and

    (iii) Quenched and tempered specimen.

- 11. Microscopic Examination of

    (i) Hardened samples and

    (ii) Hardened and tempered samples.

FLUID MECHANICS AND MACHINES LABORATORY

LIST OF EXPERIMENTS

- o Determination of the Coefficient of discharge of given Orifice meter.
- o Determination of the Coefficient of discharge of given Venturimeter.
- o Calculation of the rate of flow using Rotameter.
- o Determination of friction factor for a given set of pipes.
- o Conducting experiments and drawing the characteristic curves of centrifugal pump/ submergible pump
- o Conducting experiments and drawing the characteristic curves of reciprocating pump.
- o Conducting experiments and drawing the characteristic curves of Gear pump.
- o Conducting experiments and drawing the characteristic curves of Pelton wheel.
- o Conducting experiments and drawing the characteristics curves of Francis turbine.
- o Conducting experiments and drawing the characteristic curves of Kaplan turbine

V   **Semester**

ME8511 KINEMATICS AND DYNAMICS LABORATORY

LIST OF EXPERIMENTS

- a) Study of gear parameters. b) Experimental study of velocity ratios of simple, compound, Epicyclic and differential gear trains.
- a) Kinematics of Four Bar, Slider Crank, Crank Rocker, Double crank, Double rocker, Oscillating cylinder Mechanisms. b) Kinematics of single and double universal joints.
- a) Determination of Mass moment of inertia of Fly wheel and Axle system. b) Determination of Mass Moment of Inertia of axisymmetric bodies using Turn Table apparatus. c) Determination of Mass Moment of Inertia using bifilar suspension and compound pendulum.
- Motorized gyroscope – Study of gyroscopic effect and couple.
- Governor - Determination of range sensitivity, effort etc., for Watts, Porter, Proell, and Hartnell Governors.
- Cams – Cam profile drawing, Motion curves and study of jump phenomenon
- a) Single degree of freedom Spring Mass System – Determination of natural Frequency and verification of Laws of springs – Damping coefficient determination. b) Multi degree freedom suspension system – Determination of influence coefficient.
- a) Determination of torsional natural frequency of single and Double Rotor systems. - Undamped and Damped Natural frequencies. b) Vibration Absorber – Tuned vibration absorber.
- Vibration of Equivalent Spring mass system – undamped and damped vibration.
- Whirling of shafts – Determination of critical speeds of shafts with concentrated loads.
- a) Balancing of rotating masses. (b) Balancing of reciprocating masses.
- a) Transverse vibration of Free-Free beam – with and without concentrated masses. b) Forced Vibration of Cantilever beam – Mode shapes and natural frequencies. c) Determination of transmissibility ratio using vibrating table.

ME8512 THERMAL ENGINEERING LABORATORY

LIST OF EXPERIMENTS

I.C. ENGINE LAB

- Valve Timing and Port Timing diagrams.
- Actual p-v diagrams of IC engines.
- Performance Test on 4 – stroke Diesel Engine.
- Heat Balance Test on 4 – stroke Diesel Engine.
- Morse Test on Multi-Cylinder Petrol Engine.
- Retardation Test on a Diesel Engine.
- Determination of Flash Point and Fire Point of various fuels / lubricants.

STEAM LAB

- Study on Steam Generators and Turbines.
- Performance and Energy Balance Test on a Steam Generator.
- Performance and Energy Balance Test on Steam Turbine.

HEAT TRANSFER LAB:

- o Thermal conductivity measurement using guarded plate apparatus.
- o Thermal conductivity measurement of pipe insulation using lagged pipe apparatus.
- o Determination of heat transfer coefficient under natural convection from a vertical cylinder.
- o Determination of heat transfer coefficient under forced convection from a tube.
- o Determination of Thermal conductivity of composite wall.
- o Determination of Thermal conductivity of insulating powder.
- o Heat transfer from pin-fin apparatus (natural & forced convection modes)
- o Determination of Stefan – Boltzmann constant.
- o Determination of emissivity of a grey surface.
- o Effectiveness of Parallel / counter flow heat exchanger.

REFRIGERATION AND AIR CONDITIONING LAB

- o Determination of COP of a refrigeration system
- o Experiments on Psychometric processes
- o Performance test on a reciprocating air compressor
- o Performance test in a HC Refrigeration System
- o Performance test in a fluidized Bed Cooling Tower

ME8513 METROLOGY AND MEASUREMENTS LABORATORY

LIST OF EXPERIMENTS

- o Calibration and use of measuring instruments – Vernier caliper, micrometer, Vernier height gauge – using gauge blocks
- o Calibration and use of measuring instruments – depth micrometer, bore gauge, telescopic gauge
- o Measurement of linear dimensions using Comparators
- o Measurement of angles using bevel protractor and sine bar
- o Measurement of screw thread parameters – Screw thread Micrometers and Three wire method '(floating carriage micrometer)
- o Measurement of gear parameters – disc micrometers, gear tooth vernier caliper
- o Measurement of features in a prismatic component using Coordinate Measuring Machine (CMM)
- o Programming of CNC Coordinate Measuring Machines for repeated measurements of identical components
- o Non-contact (Optical) measurement using Toolmaker's microscope / Profile projector and Video measurement system
- o Measurement of Surface finish in components manufactured using various processes (turning, milling, grinding, etc.,) using stylus based instruments.
- o Machine tool metrology – Level tests using precision level; Testing of straightness of a machine tool guide way using Autocollimator, spindle tests.
- o Measurement of force, torque and temperature

VI   **Semester**

ME8681 CAD / CAM LABORATORY

LIST OF EXPERIMENTS

- o   Introduction of 3D Modelling software Creation of 3D assembly model of following machine elements using 3D Modelling software
- o   Flange Coupling
- o   Plummer Block
- o   Screw Jack
- o   Lathe Tailstock
- o   Universal Joint
- o   Machine Vice
- o   Stuffing box
- o   Crosshead
- o   Safety Valves
- o   Non-return valves
- o   Connecting rod
- o   Piston
- o   Crankshaft

 Students may also be trained in manual drawing of some of the above components

- •   2. Manual Part Programming.

(i) Part Programming - CNC Machining Centre a) Linear Cutting. b) Circular cutting. c) Cutter Radius Compensation. d) Canned Cycle Operations.

(ii) Part Programming - CNC Turning Centre a) Straight, Taper and Radius Turning. b) Thread Cutting.

c) Rough and Finish Turning Cycle. d) Drilling and Tapping Cycle.

- •   3. Computer Aided Part Programming e) CL Data and Post process generation using CAM packages. f) Application of CAPP in Machining and Turning Centre

HS8581 PROFESSIONAL COMMUNICATION

- •   Introduction to Soft Skills
- •   Grooming as a Professional with values
- •   Introducing Oneself
- •   Effective Presentation
- •   Group Discussion
- •   Brainstorming - Questioning and Clarifying
- •   Creative Writing and Speaking
- •   Professional Skills- Checklist

- Listening and Taking Part in a Telephonic Conversation
- Interview Etiquette

VII Semester

ME8711 SIMULATION AND ANALYSIS LABORATORY

LIST OF EXPERIMENTS A. SIMULATION

- MATLAB basics, Dealing with matrices, Graphing-Functions of one variable and two variables
- Use of Matlab to solve simple problems in vibration
- Mechanism Simulation using Multibody Dynamic software
- B. ANALYSIS
- Force and Stress analysis using link elements in Trusses, cables etc.
- Stress and deflection analysis in beams with different support conditions.
- Stress analysis of flat plates and simple shells.
- Stress analysis of axi – symmetric components.
- Thermal stress and heat transfer analysis of plates.
- Thermal stress analysis of cylindrical shells.
- Vibration analysis of spring-mass systems.
- Model analysis of Beams.
- Harmonic, transient and spectrum analysis of simple systems

ME8781 MECHATRONICS LABORATORY

LIST OF EXPERIMENTS:

o Assembly language programming of 8085 – Addition – Subtraction – Multiplication – Division – Sorting – Code Conversion.
o Stepper motor interface.
o Traffic light interface.
o Speed control of DC motor.
o Study of various types of transducers.
o Study of hydraulic, pneumatic and electro-pneumatic circuits.
o Modelling and analysis of basic hydraulic, pneumatic and electrical circuits using Software.
o Study of PLC and its applications.
o Study of image processing technique.

Computing Facilities:

Internet Broad bandwidth	: 300 Mbps
Number and configuration of System	488

I7/8GB/ITB

I3/8GB/ITB

Core 2 Duo/4GB/320 GB

Total Number of system connected by LAN	488
Total Number of system connected by WAN	488

Major Software Available:

SL. NO.	SYSTEM SOFTWARE NAME
1	WINDOWS SERVER
2	WINDOWS
3	LEX
4	GCC
5	YACC
6	DEV C PLUS PLUS
7	UBUNTU

Major Software Packages Available:

SL. NO.	APPLICATION SOFTWARE NAME
1	WEKA
2	JDK
3	ARGO UML
4	PYTHON
5	PYGAME
6	NETBEANS
7	ANDROID STUDIO
8	ECLIPSE
9	XAMPP
10	APACHE
11	MY SQL WORKBENCH
12	PHP MYADMIN

SL. NO.	APPLICATION SOFTWARE NAME
13	MY SQL
14	VISUAL STUDIO
15	TOMCAT
16	HADOOP
17	NS2
18	NS3
19	LIBRE OFFICE
20	AUTOCAD
21	XILINX
22	ANSYS
23	SOLID WORKS
24	SCI LAB
25	OFFICE 365
26	GIMP
27	INKSCAPE
28	VISUAL BASIC 6.0
29	SERIBUS
30	JDK 13
31	CLOUD SIM
32	MY OFFICE

Special purpose of facilities Available (conduct of online meeting/webinars/workshop, etc)

Available

Facilities for conduct of classes/courses in Online Mode(Theory and Practical)

Available

Innovation Cell   **: Available**

The main functions of AIIC will be

- Encourage, Inspire and Nurture young students by supporting them to work with new ideas and transform them to prototypes.
- Organize periodic Workshops / Seminars / Interactions with Entrepreneurs, Investors, Professionals and create a mentor pool for student innovators.

AIIC will work on both MHRD IIC driven as well as Self driven activities which are listed below.

MHRD IIC Driven Activities

- Leadership Talk series
- Smart India Hackathon
- Workshop on IPR
- Innovation Day Campaign

Institution Activities

- Amrita Innovative Awards
- To prepare institution for Atal Ranking of Institutions on Innovation Achievements (ARIIA) Framework
- Entrepreneurs and Innovators Motivational speech
- Field/Industry visit to identify real time problems
- Design thinking workshop
- Develop the idea to product with Amrita Start-up cell, Amrita Technology Business Incubator (TBI) through Create Design Build Operate (CDBO) centre
- Support for application of various grants in Government and Central Government sectors

Social Media Cell   **: Available**

Amrita College of Engineering and Technology Communication include Website and social media handles in Facebook, Linkedin, twitter and Instagram. Amrita takes care of all marketing and promotion activities of the universities including the digital marketing.

Complaints of the National Academic Depository(NAD),
applicable to PGCM/PGDM institutions and University Department   : NA

List of facilities available:

Games and Sports facilities:

SL. NO.	OUTDOR GAMES
1	TRACK AND FIELD
2	BASKETBALL
3	FOOTBALL
4	KABADDI
5	VOLLEYBALL
6	CRICKET
7	HANDBALLl
SL. NO.	**INDOOR GAMES**
1	CHESS
2	CARROM
3	BATMINTON
4	TABLETENNIS
ONE GYMNASIUM AVAILBLE FOR MEN	

Details of gymnasium available

Sl. No.	Particulars of Gymnasium
1.	Leg Press Hack Squat
2.	Tier Dumbbell Rack
3.	Dumbbells
4.	Commercial Elliptical Trainer
5.	Hyper Extension
6.	Multi AB Bench
7.	Smith Machine with Counter Balance
8.	Parrallel Bar
9.	Cable Cross Over
10.	Flat Olympic Bench Press
11.	Spin Bike
12.	Flat Incline Decline Bench
13.	Pecfly Rear Delt
14.	Combo Prone Leg Curl Leg Extension
15.	Lat Pulldown Low Row
16.	Commercial Treadmill
17.	Servo Stbilizer
18.	Weight Plates

Extra-curricular activities:

NSS/YRC

Code Club

ESDC Club

Ekalavya Club

FOSS Club

Go-Kart Club

Maths Circle

Prachodana (Quiz Club)

Raagasudha

Green Club

Sanskriti Club

Shristi Club

Natyasudha Club

தமிழ் இலக்கிய மன்றம்

Expected Outcome

- Communication skills
- Connecting co-curricular experiences with academic lessons
- Creativity
- Critical thinking about issues
- Delegation
- Event planning
- Financial management & budgeting
- Hard Skills
- Knowledge of resources and available "tools"
- Record-keeping
- Self-awareness

- **Soft-skill Development facilities**:

Soft Skill Development Facilities Life skills is defined by the World Health Organization (WHO) as "abilities for adaptive and positive behavior that enable individuals to deal effectively with the demands and challenges of everyday life". This includes skills and knowledge related to problem solving, critical thinking, communication, interpersonal aspects and self-management. Life skills are the abilities that help to promote mental well-being and competence in young people as they face the realities of life. This skill set is one of the essential criteria for a fruitful life irrespective of career lines.

The recruitment process is generally in three stages, with each stage having elimination of candidates who do not meet the expected performance level. The first stage is an online test of typically one to one and half hour duration, evaluating the candidate's numerical ability, logical reasoning and verbal skills. The candidate's numerical skill, data interpretation skill, problem solving skill, verbal communication skill, her/his command over language, reading comprehension skill etc., are tested. Subsequent to the online test, the successful candidates move to the next stage and generally the first step in this stage is Group Discussion (GD), though some of the companies are not very particular about GD. In this step the candidate's attributes like clarity in thinking, communication and interpersonal skills are tested, again bringing out the importance of life skills. In the second step of this stage, i.e., subsequent to GD, there will be one to three rounds of technical interviews and the candidate's technical knowledge is tested. During this stage the core technical competencies developed by the candidate become very useful. And the last stage is personality assessment, typically conducted by the HR personnel. In this stage the candidate's attributes like integrity, communication, assertiveness, etc., are tested.

Further, if one studies the career progression of a person in the later stages of life, it can be seen that the life skills play an important role. It is very common to see that the yearly or half yearly performance appraisal of employees have assessment areas such as:

1

a) Communication

 b) Team building

c) Problem solving

d) Coaching

e) Customer focus

f) Quality orientation

g) Negotiation, etc.,

All these vividly bring out the importance of life skills in the career of a person.

Teaching Learning Process:

Curricula and syllabus for each of the programmes as approved by the University

Sl. No.	Course Name	Remarks
UG PROGRAMME		
1	Civil Engineering	
2	Computer Science and Engineering	
3	Electronics and Communication Engineering	
4	Electrical and Electronics Engineering	

5	Mechanical Engineering	
PG PROGRAMME		
1	Computer Science and Engineering	
2	Embedded System Technologies	
3	Management Studies	

Academic Calendar of the University:

B.E./B.TECH. III & IV YEAR, II MBA:

Date: 30.03.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

REVISED

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

February 2023 – June 2023 (Even Semester – Except Semester II)

UG / 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)	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***

DIRECTOR
ACADEMIC COURSES

DAC - SB

1

PG Second Semester Academic Schedule:

Date: 27.02.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

March 2023 – July 2023 (Even Semester)

PG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.E. / M. Tech. / M. Arch.(FT)	II				
2.	M.B.A. (Full-Time & Part-Time)	II				
3.	M.B.A. (5 years Integrated)	II	13.03.2023	03.07.2023	06.07.2023	17.07.2023
4.	M.C.A.	IV				

RE-OPENING DAY FOR THE NEXT SEMESTER: 20.09.2023 (Wednesday)

1. 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

1

B.E/B.TECH. Second Semester & M.E. Fourth Semester Academic Schedule:

Date: 04.05.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

May 2023 – August 2023 (Even Semester)

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

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	10.05.2023	07.08.2023**	09.08.2023	21.08.2023
2.	B.Arch. (Full-Time)	II				
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

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

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

(Managed by Mata Amritanandamayi Math, Kollam)

Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

Academic Timetable with the Name of the faculty members handling the course

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

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

(Managed by Mata Amritanandamayi Math, Kollam)

Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY, NAGERCOIL

Master Time Table - EVEN Semester 2022-23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No	Staff Name	Monday							Tuesday							Wednesday							Thursday							
		1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
1	Dr. Siva Raja P M																													
2	Dr. P. Krishna Kumar																													
3	Dr Rajeesh Kumar N V																													
4	Mrs. K Rejini																													
5	Mrs. Sumithra R P																													
6	Mrs. Thanamenal Indu V																													
7	Mrs. Vidhya S																													
8	Dr. Sasikala T S																													
9	Mrs. Jothilakshmi S L																													
10	Mr. J Anandraj																													
11	Mrs. Anjana S																													
12	Mrs. Saranya R																													
13	Mrs. Prem Nisha																													
14	Mrs Uma																													
15	Mrs.G.Chitra																													

Time table coordinator

[Mrs. R. Saranya]

HOD

[P.m. SIVA Raja]

1

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

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

(Managed by Mata Amritanandamayi Math, Kollam)

Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY, NAGERCOIL

Master Timetable Even Semester AY (2022-2023)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

[V. Anusooya]

AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY, NAGERCOIL
Master Time Table - EVEN Semester 2022-23

AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY, NAGERCOIL
Master Time Table - EVEN Semester 2022-23

Teaching load of each faculty

CIVIL ENGINEERING:

AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY, Nagercoil – 629 901
Faculty Workload AY 2022-23

Department: Civil Engineering   **Semester: Even**

Sl. No	Name of the Faculty Designation and Total years of experience	SUBJECT CODE	SUBJECT NAME	Year/Dept/Section	Number of Students	As Per University L	As Per University T	As Per University P	As per Timetable L	As per Timetable T	As per Timetable P	Total Work Load (Hrs)	Administrative activities at department level	Administrative activities at Institutional Level
1	Mr. Suresh S Assistant Professor & 8 years 1month	CE8601	Design of Steel Structural Elements	III/Civil Engg	04	3	2	0	4	2	0	15	• AICTE / Anna University In-charge • Class Committee, Parents Teachers Meeting In – charge	• HOD • Career guidance program @ schools (Admission)
		BE3255	Basic Civil and Mechanical Engineering (Civil Portion)	I/EEE	40	3	0	0	3	0	0			
		GE3271	Engineering Practices Laboratory	I/EEE	40	0	0	4	0	0	3			
		CE8811	Project Work	IV/Civil Engg	23	0	0	20	0	0	3			
2	Mr. Petchikkan M Assistant Professor & 8 years 5 months	CE3401	Applied Hydraulics Engineering	II/Civil Engg	09	3	1	0	5	1	0	21	• Lab In charge- Soil Lab • MoU Implementation In – charge • Placement in-charge • Department NSS coordinator	• Deputy Controller of Examination
		CE 3491	Strength of Materials	II/ Mech. Engg	31	3	0	0	6	0	0			
		CE3411	Hydraulic Engineering Laboratory	II/Civil Engg	09	0	0	3	0	0	3			
		GE3271	Engineering Practices Laboratory	I /Civil Engg, Mech Engg., AI&DS	58	0	0	4	0	0	3			
		CE8811	Project Work	IV/Civil Engg	3	0	0	20	0	0	1			
		PT	Placement Training	IV/Civil Engg	23	-	-	-	2	-	-			
3	Mrs. Akiladevi A R Assistant Professor & 6 years	EN8592	Wastewater Engineering	III/Civil Engg	04	3	0	0	5	0	0	21	• Class Advisor – IV year • Lab In charge – Environmental Engineering Lab • Time Table Coordinator • Academic Coordinator • Mentor Follow up Coordinator • Industrial Visit In charge • Editor for Department Newsletter	
		CE8020	Maintenance, Repair and Rehabilitation of Structures	IV/Civil Engg	23	3	0	0	6	0	0			
		CE8612	Irrigation and Environmental Engineering Drawing	III/Civil Engg	04	0	0	4	0	0	3			
		GE3271	Engineering Practices Laboratory	I /CSE A	60	0	0	4	0	0	3			
		CE8811	Project Work	IV/Civil Engg	4	0	0	20	0	0	1			
		PT	Placement Training	III/Civil Engg	04	-	-	-	2	-	-			
		L/M	Library/ Mentor Hour	IV/Civil Engg	23	-	-	-	1	-	-			

AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY, Nagercoil – 629 901
Faculty Workload AY 2022-23

Department: Civil Engineering **Semester: Even**

Sl. No	Name of the Faculty Designation and Total years of experience	SUBJECT CODE	SUBJECT NAME	Year/Dept/Section	Number of Students	As Per University L	T	P	As per Timetable L	T	P	Total Work Load (Hrs)	Administrative activities at department level	Administrative activities at Institutional Level
4	Mr. Ananth U Assistant Professor & 5 years 9 months	CE8602	Structural Analysis II	III/Civil Engg	04	3	0	0	5	0	0	19	• Class Advisor- III year • Lab In charge- Concrete & Highway Engg. Lab • Department Exam cell Coordinator • Naan Mudhalvan Program • Admission work	
		CE3403	Concrete Technology	II/Civil Engg.	09	3	0	0	6	0	0			
		CE3481	Strength of Materials and Fluid Machinery Laboratory	II/ Mech. Engg.	31	0	0	4	0	0	3			
		GE3271	Engineering Practices Laboratory	I /ECE A	57	0	0	4	0	0	3			
		CE8811	Project Work	IV/Civil Engg	4	0	0	20	0	0	1			
		L/M	Library/ Mentor hour	III/Civil Engg	04	-	-	-	1	-	-			
5	Mrs. Geetha S Assistant Professor & 4 years 6 months	CE8603	Irrigation Engineering	III/Civil Engg	04	3	0	0	5	0	0	19	• Class Advisor- II year • Lab In charge- FM Lab • Website in-charge • In Plant Training In-charge • Maintenance Coordinator	
		CE3402	Strength of Materials	II/Civil Engg	09	3	0	0	6	0	0			
		CE3412	Materials Testing Laboratory	II/Civil Engg	09	0	0	4	0	0	3			
		GE3271	Engineering Practices Laboratory	I / CSE B	61	0	0	4	0	0	3			
		CE8811	Project Work	IV/Civil Engg	3	0	0	20	0	0	1			
		L/M	Library/ Mentor Hour	II/Civil Engg	09	-	-	-	1	-	-			
6	Mrs. Anisha S Assistant Professor & 4 years 1 month	CE8604	Highway Engineering	III/Civil Engg	04	3	0	0	4	0	0	17	• Lab In charge- SOM Lab • MOODLE In-charge • Minutes of Meeting in-charge • Social media in charge	Nature club Coordinator
		CE3405	Highway and Railway Engineering	II/Civil Engg	09	3	0	0	6	0	0			
		CE8611	Highway Engineering Laboratory	III/Civil Engg	04	0	0	4	0	0	3			
		CE8811	Project Work	IV/Civil Engg	4	0	0	20	0	0	1			
		PT	Placement Training	IV/Civil Engg	23	-	-	-	2	-	-			
		L/M	Library/ Mentor hour	IV/Civil Engg.	23	-	-	-	1	-				
7	Mrs. Karthika P Assistant Professor & 2 years 6 months	CE 8004	Urban Planning and Development	III/Civil Engg	04	3	0	0	4	0	0	20	• Lab In charge- Survey Lab • Library In charge • IIC Coordinator • NIRF Coordinator	Indian Green Building Council Students Chapter Coordinator
		CE3404	Soil Mechanics	II/Civil Engg	9	3	0	0	5	0	0			
		CE3413	Soil Mechanics Laboratory	II/Civil Engg	9	0	0	4	0	0	3			
		GE3271	Engineering Practices Laboratory	I /ECE B	55	0	0	4	0	0	3			
		CE8811	Project Work	IV/Civil Engg	4	0	0	20	0	0	1			
		CVA 015	Safety Aspects in Construction	III/Civil Engg	04	2	0	0	2	0	0			
		CVA 015	Safety Aspects in Construction	IV/Civil Engg	23	2	0	0	2	0	0			

HOD

PRINCIPAL

COMPUTER SCIENCE AND ENGINEERING:

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Faculty Workload AY 2022-2023 (Even Semester)

Sl. No	Name of the Faculty Designation and Total years of experience	CODE	NAME	Year/ Dept./ Section	Number of Students	As Per University L	T	P	As per Timetable L	T	P	Total Work Load (Hrs)	Administrative activities at department level	Administrative activities at Institutional Level
1	Dr. Siva Raja P M Associate Professor/HOD & 14 Years	CS3451	Introduction to Operating System(T)	II CSE A	65	3	0	0	5	0	0	16	1.HOD In Charge 2.Mentor (II CSE A)	1.NAAC Criteria 4 Coordinator
		IF4071	Deep learning(T)	II M.E. CSE	2	3	0	2	3	0	2			
		CS3461	Operating Systems Laboratory(P)	II CSE A	65	0	0	3	0	0	3			
		CP4311	Project Work I (Guidance)	II M.E. CSE	2	0	0	12	0	0	2			
			Library/Mentor	II CSE A	65						1			
2	Dr. P. Krishna Kumar Associate Professor/CSE & 28 Years 6 Months	CS8601	Mobile Computing(T)	III CSE B	41	3	0	0	4	0	0	24	1.Naan Mudhalvan –faculty in charge (Microsoft Office Course) 2.Mentor (II CSE A & B)	1.Academic Coordinator
		CS8603	Distributed Systems(T)	III CSE A	50	3	0	0	4	0	0			
		CP4292	Multicore Architectures and Programming(T)	I M.E. CSE	2	3	0	2	3	0	2			
		CS8662	Mobile Application Development Laboratory(P)	III CSE B	41	0	0	4	0	0	3			
		CS8661	Internet Programming Laboratory(P)	III CSE B	41	0	0	4	0	0	3			
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
			Placement Training	III CSE A	50						2			
			Library/Mentor	II CSE A	65						1			
3	Dr. Rajeesh Kumar N.V Assistant Professor/CSE & 9 Years	CS3452	Theory of Computation(T)	II CSE B	64	3	0	0	5	0	0	26	1.Discipline Committee Member Secretary 2.Mentor (II CSE A)	1.NAAC Criteria 6 Coordinator
		CS3251	Programming in C(T)	I CSE B	58	3	0	0	4	0	0			
		CP4252	Machine Learning(T)	I M.E. CSE	2	3	0	2	3	0	2			
		CS3271	Programming in C Laboratory(P)	I CSE B	58	0	0	4	0	0	3			
		CS3271	Programming in C Laboratory(P) (Skilled)	I CSE A	58	0	0	4	0	0	3			
		AD3271	Data Structures Design Laboratory(P)(Skilled)	I AI & DS	30	0	0	4	0	0	3			
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
			Library/Mentor	II CSE A	65						1			

1

AMRITA College of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Faculty Workload AY 2022-2023 (Even Semester)

Sl. No	Name of the Faculty Designation and Total years of experience	CODE	SUBJECT NAME	Year/ Dept./ Section	Number of Students	As Per University L	T	P	As per Timetable L	T	P	Total Work Load (Hrs)	Administrative activities at department level	Administrative activities at Institutional Level
4	Mrs. K Rejini Assistant Professor/CSE & 14 Years	CS3492	Database Management Systems(T)	II CSE B	64	3	0	0	4	0	0	24	1. Lab In-charge- Computer Programming Lab 1. 2.Department Placement Coordinator 3.Mentor (III CSE B) 4.Naalaiya Thiran project (Evaluator) 5.Naan Mudhalvan –faculty in charge (Full Stack Course)	1. ISTE Staff Chapter - Coordinator 2. Faculty Incharge NAAC Criteria 2.3.1
		IT8076	Software Testing(T)	III CSE A	50	3	0	0	4	0	0			
		CP4291	Internet of Things(T)	I M.E. CSE	2	3	0	2	3	0	2			
		CS3481	Database Management Systems Laboratory(P)	II CSE B	64	0	0	3	0	0	3			
		CS3481	Database Management Systems Laboratory(P) (Skilled)	II CSE A	65	0	0	3	0	0	3			
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
			Placement Training	IV CSE B	50						2			
			Library/Mentor	III CSE A	50						1			
5	Mrs. Sumithra R.P Assistant Professor/CSE & 11 Years 5 Months	CS3491	Artificial Intelligence and Machine Learning(T)	II CSE B	64	3	0	2	5	0	2	25	1.Class Advisor 2.Department Placement Coordinator 3.Mentor II CSE B 4.Faculty-in-charge NAAC Criter.1	1.ISTE Student Chapter, Faculty Advisor 2.College Website In charge
		CS8080	Information Retrieval Techniques(T)	IV CSE B	50	3	0	0	5	0	0			
		CS8811	Project Work(Coordinator)	IV CSE B	50	0	0	20	0	0	3			
		CS8811	Project Work I (Guidance)	IV CSE A& B	12	0	0	20	0	0	2			
		IVA011	Data Science with Python (VAC)	IV CSE B	50						2			
		CP4096	Software Quality Assurance(T)	I M.E. CSE	2	3	0	0	3	0	0			
			Placement Training	II CSE B	64	0	0	0	0	0	2			
			Library/Mentor	II CSE B	64	0	0	0	0	0	1			
6	Mrs. Thanammal Indu V Assistant Professor/CSE & 11 Years 6 Months	CS3492	Database Management Systems(T)	II CSE A	65	3	0	0	4	0	0	19	1. Class Advisor 2. Department Mentor Head 3. NBA coordinator 4. EDC coordinator 5. Naalaiya Thiran project(Evaluator) 6. Faculty Incharge NAAC Cri.5&6 7.Mentor-IV CSE	1. Moodle Coordinator 2. Music Club Coordinator 3. IIRS eLearning Coordinator 4. HOD (AI&DS)
		CS8691	Artificial Intelligence(T)	III CSE B	41	3	0	0	4	0	0			
		CS3481	Database Management Systems Laboratory(P)	II CSE A	65	0	0	3	0	0	3			
		CS3481	Database Management Systems Laboratory(P) (Skilled)	II CSE B	64	0	0	3	0	0	3			
		CS8811	Project Work I (Guidance)	IV CSE A& B	12	0	0	20	0	0	2			
			Placement Training	IV CSE A	51						2			
			Library/Mentor	IV CSE A	51						1			

2

AMRITA College of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Faculty Workload AY 2022-2023 (Even Semester)

Sl. No	Name of the Faculty Designation and Total years of experience	SUBJECT CODE	SUBJECT NAME	Year/ Dept./ Section	Number of Students	As Per University L	As Per University T	As Per University P	As per Timetable L	As per Timetable T	As per Timetable P	Total Work Load (Hrs)	Administrative activities at department level	Administrative activities at Institutional Level
7	Mrs. Vidhya S Assistant Professor/CSE & 10 Years 4 Months	CS8602	Compiler Design(T)	III CSE A	50	3	0	2	5	0	2	24	1 Class Advisor 2. Faculty-in-charge-NAAC Cri. 4 3 Mentor IV CSE A	1 Code Club Coordinator
		CS8080	Information Retrieval Techniques(T)	IV CSE A	51	3	0	0	5	0	0			
		CS8811	Project Work (Coordinator)	IV CSE A	51	0	0	20	0	0	3			
		CS8811	Project Work I (Guidance)	IV CSE A& B	12	0	0	20	0	0	2			
		CS3461	Operating Systems Laboratory(P) (Skilled)	II CSE A	65	0	0	3	0	0	3			
		CS8662	Mobile Application Development Laboratory(P) (Skilled)	III CSE A	50	0	0	4	0	0	3			
			Library/Mentor	IV CSE A	51						1			
8	Mr. I Anantraj Assistant Professor/CSE & 6 Years	CS3401	Algorithms(T)	II CSE A	65	3	0	2	5	0	2	27	1 Class Advisor 2 NAAC Criteria 2 and 7 member 3 Naalaiya Thiran Project(MENTOR) 4 Department Maintenance Coordinator	1 Android Club Coordinator 2 Infrastructure Development Committee Member 3 Huawei ICT Academy (SPOC and Coordinator)
		CS8601	Mobile Computing(T)	III CSE A	50	3	0	0	4	0	0			
		CP4094	Mobile and Pervasive Computing(T)	II M.E. CSE	2	3	0	0	3	0	0			
		CS8662	Mobile Application Development Laboratory(P)	III CSE A	50	0	0	4	0	0	3			
		CS8662	Mobile Application Development Laboratory(P) (Skilled)	III CSE B	41	0	0	4	0	0	3			
		CS8611	Mini Project	III CSE A	50	0	0	2	0	0	2			
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
		IVA026	Advanced Java Programming (VAC)	III CSE B	41						2			
			Library/Mentor	III CSE A	50						1			
9	Mrs. Archana V Nair S Assistant Professor/CSE & 6 Years	CS3251	Programming in C(T)	I CSE A	58	3	0	0	4	0	0	17	1.Timetable Coordinator 2.Class advisor-I M.E. (CSE) 3.NIRF Coordinator 4 GATE Coordinator 5.Magazine Coordinator	NIL
		AD3251	Data Structures Design(T)	I AI & DS	30	3	0	0	4	0	0			
		AD3271	Data Structures Design Laboratory(P)	I AI & DS	30	0	0	4	0	0	3			
		CS3271	Programming in C Laboratory(P)	I CSE A	58	0	0	4	0	0	3			
		CS3271	Programming in C Laboratory(P) (Skilled)	I CSE B	58	0	0	4	0	0	3			

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AMRITA College of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Faculty Workload AY 2022-2023 (Even Semester)

Sl. No	Name of the Faculty Designation and Total years of experience	SUBJECT CODE	SUBJECT NAME	Year/ Dept./ Section	Number of Students	As Per University L	As Per University T	As Per University P	As per Timetable L	As per Timetable T	As per Timetable P	Total Work Load (Hrs)	Administrative activities at department level	Administrative activities at Institutional Level
10	Mrs. Jothilakshmi. S.L Assistant Professor/CSE & 8 Years 4 Months	CS3452	Theory of Computation(T)	II CSE B	64	3	0	0	5	0	0	25	1.Class advisor (III CSE B) 2.Research Coordinator 3.Professional Bodies In-charge (IE(I)) 4.Naalaiya Thiran project (SPOC and Evaluator) 5.Mentor (IV CSE B) 6.Naan Muthalvan –Faculty Incharge (Cloud essentials course) 7.Faculty in charge NAAC Criteria 1and 2 8.Disipline committee coordinator	1.Timetable Coordinator 2.ICT Academy Coordinator 3.Academic calendar In Charge
		CS8603	Distributed Systems(T)	III CSE A	50	3	0	0	4	0	0			
		MP4251	Cloud Computing Technologies(T)	I M.E. CSE	2	3	0	0	3	0	0			
		CS3461	Operating Systems Laboratory(P)(Skilled)	II CSE B	64	0	0	3	0	0	3			
		CP4211	Term Paper Writing and seminar	I M.E. CSE	2	0	0	2	0	0	3			
		CS8611	Mini Project	III CSE B	41	0	0	2	0	0	2			
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
			Placement Training	III CSE B	41						2			
			Library/Mentor	IV CSE B	50						1			
11	Dr. Sasikala T S Assistant Professor/CSE & 16 Years 6 Months	CS8602	Compiler Design(T)	III CSE B	41	3	0	2	5	0	2	26	1. Exam Cell Coordinator 2. FOSS Club Coordinator 3. Naan Muthalvan Coordinator 4. Naalaiya Thiran project (Mentor) 5. Mentor III CSE-B	1.Newsletter Coordinator
		CS3451	Introduction to Operating System(T)	II CSE B	64	3	0	0	5	0	0			
		CS3461	Operating Systems Laboratory(P)	II CSE B	64	0	0	3	0	0	3			
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
		SE4151	Advanced Software Engineering(T)	I M.E. CSE	2	3	0	0	3	0	0			
		CP4212	Software Engineering Laboratory	I M.E. CSE	2	0	0	2	0	0	3			
		IVA026	Advanced Java Programming (VAC)	III CSE A	50						2			
			Library/Mentor	III CSE B	41						1			
12	Mrs. Anjana S Assistant Professor/CSE & 2 Years	CS3491	Artificial Intelligence and Machine Learning(T)	II CSE A	65	3	0	2	5	0	2	12	1.ARIIA coordinator 2.Social Media Coordinator 3.Moodle coordinator 4.NSS coordinator 5.IIIC coordinator	1.Cyber Security Coordinator
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
		IVA011	Data Science with Python (VAC)	IV CSE A	51						2			
			Library/Mentor	III CSE B	41						1			

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AMRITA College of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Faculty Workload AY 2022-2023 (Even Semester)

Sl. No	Name of the Faculty Designation and Total years of experience	CODE	NAME	Year/ Dept./ Section	Number of Students	As Per University L	As Per University T	As Per University P	As per Timetable L	As per Timetable T	As per Timetable P	Total Work Load (Hrs)	Administrative activities at department level	Administrative activities at Institutional Level
13	Mrs. Saranya R Assistant Professor/CSE & 2 Year 2 Months	CS3401	Algorithms(T)	II CSE B	64	3	0	2	5	0	2	22	1.Department Newsletter coordinator 2.Department Library Incharge 3.Member NAAC Criteria 4.3.2 4.Timetable Coordinator	1.CSI Coordinator
		CS8651	Internet Programming(T)	III CSE A	41	3	0	0	4	0	0			
		NC4201	Internet of Things and Cloud(T)	II M.E. CSE	2	3	0	0	3	0	0			
		CS8661	Internet Programming Laboratory(P)	III CSE A	50	0	0	4	0	0	3			
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
			Placement Training	II CSE A	65						2			
			Library/Mentor	II CSE B	64						1			
14	Mrs. Prem Nisha G Assistant Professor/CSE	CS8691	Artificial Intelligence(T)	III CSE A	50	3	0	0	4	0	0	9	NIL	NIL
		CP4391	Security Practices(T)	II M.E. CSE	2	3	0	0	3	0	0			
		CS8811	Project Work I (Guidance)	IV CSE A& B	8	0	0	20	0	0	2			
15.	Mrs.Uma Assistant Professor/CSE	CS8651	Internet Programming(T)	III CSE B	41	3	0	0	4	0	0	7	NIL	NIL
		CS8661	Internet Programming Laboratory(P)(Skilled)	III CSE A	50	0	0	4	0	0	3			
16	Mrs.G.Chitra Assistant Professor/CSE	IT8076	Software Testing(T)	III CSE B	41	3	0	0	4	0	0	7	NIL	NIL
		CS8661	Internet Programming Laboratory(P)(Skilled)	III CSE B	41	0	0	4	0	0	3			

HOD
22/2/23
[P. m. Siva Raja]

PRINCIPAL
22/2/2023

5

Internal Continuous evaluation system and place:

Reforms in Continuous Internal Evaluation (CIE) system at the institutional level:

 The Institute is affiliated to Anna University, Chennai and follows the Examination pattern of the university. Anna University guidelines are strictly adhered to with respect to evaluation process. There are three Internal Assessment tests conducted. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester through institute academic calendar which is prepared based on the university academic calendar.

The institute has reformed the continuous internal evaluation system from faculty centric to student centric. The Institute Exam cell framed guidelines for conducting the CIE in line with calendar of the Affiliate University and the Institutions. As per the guidelines, the following reforms have been carried out effectively conducting CIE:

- Scheduling of Internal Examination, Seating arrangements, hall invigilators listed for every examination.
- Preparing the question paper for the internal examination in the prescribed pattern based on Knowledge level using revised Bloom's taxonomy.
- Scrutiny of the prepared question paper is carried out by HoD/ Subject expert to ensure quality of the Question paper.
- Monitoring the attendance of the students for the Examination.
- Internal Assessment has to be carried out within the stipulated time.
- After completion of the internal examination, the faculty evaluate the answer scripts and distribute to the students for doubt clarifications or re-correction. The faculty submits the re-corrected scripts to the examination branch and marks are displayed on the notice board.
- Result review meetings are conducted with result analysis and the remedial actions for further improvements are arrived after discussion with faculty, HoD and Principal.
- Upload of assessment marks in university web portal and subsequently communicated to parents.

The evaluation for theory courses are assessed in direct mode (80%) covering both internal and university examinations and indirect (20%) covers survey.

The evaluation for laboratory courses are assessed in the similar pattern followed for theory courses. For each laboratory sessions, the student is assessed through viva questions, observations.

The evaluation for project course is assessed by conducting periodical project reviews covering key parameters like problem formulations , understanding of the project, presentation skills, communication of ideas , technical knowledge , team work and project management. Major

project consists of 200 marks. The project review committee organizes review meetings to assess the progress of all the project batches.

Performance of the students in Internal Assessment is used for Faculties to identify slow and advanced learners in their respective subjects. Slow Learners are encouraged to improve their performance in future by counseling. Counseling Sessions are used to sort out the personal issues, academic and non-academic problems.

GUIDELINES FOR INVIGILATORS

1. Invigilators are required to be present in the Examination hall at least 5 minutes before the commencement of the Unit test / IAT / Model exam.

2. Invigilators are not permitted to take any leave without making any prior alternative arrangements. The copy of alternative arrangements made should be submitted to the Exam Coordinator at least a day before the exam.

3. Invigilators should not carry their cell phones to the examination halls.

4. Invigilators should instruct the candidates to keep manuals, note books, guides and text books outside the examination hall.

5. Invigilators must be vigilant and alert to find out any malpractice.

6. Candidates are not to be permitted to leave the examination hall entire duration of the examination for any purpose.

7. Invigilators should not leave the Examination hall under any circumstance without making an alternate arrangement. In case of any doubts, the Exam Coordinator can be called through the attender's.

8. Invigilators should make an announcement for every 30 minutes and the last 5 minutes.

9. Invigilators should instruct the candidates to restrain from writing anything on the question paper other than their Roll/Register Number.

10. Invigilators must initial on the first page of the answer sheet.

11. Candidates shall not be allowed to borrow pens, pencils, eraser, calculator and other materials.

12. Strict silence should be maintained in the examination hall.

13. Unused question papers and answer sheets should be returned to the Exam Coordinator/Office immediately after the completion of the examination along with the answer books in order of the Roll Numbers.

14. Candidates found guilty of malpractice of any nature is liable for strict disciplinary action. Any such incident should be brought to the notice of the Examination Coordinator immediately.

Student's assessment of Faculty, System in place:

1. Alumni Feedback is taken from Alumni for the academic year. The analysis helped the institute in development of curriculum for 'Autonomy'.

2. Feedback about Faculty is taken from students twice a semester. The various parameters on which teaching is assessed are: Communication Skills, Quality of Teaching/ Academic input, Subject Knowledge, Content and Method of Delivery, Resourcefulness, Readiness of teacher, Accessibility and Availability of Teacher in Campus/ Department. Feedback is signed by the Director and conveyed to the faculty by respected Head of the Department. Counseling of faculty having feedback count less than 7(out of 10) is carried out by Head of the Department as well as by the Director for his/ her improvement.

3. An Institute level Parent Teacher meeting is conducted once every semester. During the meeting, parents are made aware about their wards' attendance, academic performance for the semester as well as about the various learning processes conducted in the institute. In academic year 2021-22, Parent Teacher meeting for the first semester was conducted on ………..and for second semester on.................Suggestions given by parents were taken into consideration for further actions. Also this helped in identifying the parents who would help in providing support to the institute in terms of Projects, internship and placement etc.

4. Feedback about Institute is also taken from all students once in a year. This includes the feedback about the facilities and the infrastructure of the institute.

5. Various companies visit the campus of the institute for the placement of the students. Based on this feedback, Guest lectures, workshops, seminars are organized for students to help them to be ready for industry.

For each Post Graduate Courses give the following:

Title of the Course: **ME Computer Science and Engineering**

Curricula and Syllabi

Laboratory facilities exclusive to the post graduate course

M.E. Computer Science and Engineering(R 2021) Semester – I

Course Code: CP4161 Course Title: Advanced Data Structures and Algorithms Laboratory		
Sl. No.	**Description of Equipment**	**Required numbers (for batch of 25 students)**
1.	**HARDWARE/SOFTWARE REQUIREMENTS** 1. 64-bit Open source Linux or its derivative 2. Open Source C++ Programming tool like G++/GCC	25

Title of the Course: **ME Embedded Systems Technologies**

Curricula and Syllabi

Laboratory facilities exclusive to the post graduate course

M.E. Embedded System Technologies (R 2021) Semester – I

Course Code: ET4111 Course Title: Embedded System Laboratory – I		
Sl. No.	**Description of Equipment**	**Required numbers (for batch of 25 students)**
1.	8051 Microcontrollers/ any other CISC 8 bit microcontrollerwith peripherals; IDE, Board Support Software Tools , Assembler , C Compiler/suitable open source software	**10**
2.	PIC Microcontrollers/ any other RISC 8 bit microcontroller with peripherals; IDE, Board Support Software Tools , Assembler , CCompiler/suitable open source software	**6**
3.	8 Bit CISC/RISC microcontroller Compatible ADC interface Unit	**3**
4.	8 Bit CISC/RISC microcontroller Compatible DAC interface Unit	**3**
5.	LCD interface	**3**
6.	Sensors and Interfacing	**6 sets**
7.	Stepper Motors and Interface	**3**
8.	BLDC motor & Interface	**2**
9.	Desktop computer/Laptop	**10**
10.	CRO	**1**

M.E. Embedded System Technologies (R 2021) Semester – I

Course Code: ET4112	Course Title: Embedded Programming Laboratory – I	
Sl. No.	**Description of Equipment**	**Required numbers (for batch of 25 students)**
1	Desktop computer/Laptop	**20**
2	C/C++/Java/Embedded C/Embedded Java/ Compilers &Platforms/cloud	**20**
3	Arduino Boards with peripherals ;IDE, Board Support Software Tools /Compiler/others	**10**
4	FPGA Processor Boards with Board Support Tools & Interfaces	**3**
5	Simulation Tools Proteus/ ORCAD	**5 users**
6	Simulation Tools MATLAB /any other suitable Simulation software packages for programming/open source simulators	**5 users**

Special Purpose:

Software, all design tools in case

Academic Calendar and framework

UG Fourth Semester Academic Schedule:

AMRITA College of Engineering & Technology

Nagercoil - 629 901

Date: 03-02-2023

ACADEMIC AND ASSESSMENT SCHEDULE : 2022-2023 (February to May 2023)

UG (Semester IV)

Sl. No.	Description	Working Day	Date
1	Commencement of Regular Classes	1	06-02-2023
2	First course committee meeting	10	16-02-2023
3	First class committee meeting	10	16-02-2023
4	Continuous Assessment Test – I (Unit- I)	17	27-02-2023
5	Internal Assessment Test 01 (Unit I & II)	38	27-03-2023
6	Sending IAT01 progress & Attendance Report to the Parents	47	10-04-2023
7	Parents meeting with HoD and Faculty Members	48	11-04-2023
8	Mid Semester Feedback	48	11-04-2023
9	Second class and course committee meeting	49	12-04-2023
10	Continuous Assessment Test – II (Unit -III)	51	17-04-2023
11	Third class and course committee meeting	62	02-05-2023
12	Internal Assessment Test 02 (Unit III to V)	64	04-05-2023
13	Model Practicals	70	11-05-2023
14	End Semester Feedback	71	12-05-2023
15	Last Working Day & Issue of hall tickets	71	12-05-2023
16	Sending IAT2 progress & Attendance Report to the Parents	-	15-05-2023
17	Commencement of Practical Examinations	-	15-05-2023
18	Commencement of End Semester Examinations	-	26-05-2023

Prepared by Mrs.S. L. Jothilakshmi

PRINCIPAL
Dr. T. KANNAN, M.E.,Ph.D.,
Principal
Amrita College of Engg. and Tech.,
Amritagiri, Erachakulam,
Nagercoil - 629 901

Copy to

    All HoDs

    Academic coordinator

    Department Academic coordinator

    Examinations Coordinator

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PG Second Semester Academic Schedule:

AMRITA College of Engineering & Technology
Nagercoil - 629 901.

Date: 09-03-2023

ACADEMIC AND ASSESSMENT SCHEDULE: 2022-2023 (March 2023 to July 2023)
PG (Semester II)

Sl. No.	Description	PG(ME)		PG(MBA)	
		Working Day	Date	Working Day	Date
1	Commencement of Classes	1	13-03-2023	1	13-03-2023
2	First course committee meeting	5	20-03-2023	5	20-03-2023
3	First class committee meeting	6	21-03-2023	6	21-03-2023
4	Continuous Assessment Test – I (Unit- I)	17	-	17	03-04-2023
6	Internal Assessment Test 01 (Unit I & II)	36	02-05-2023	36	02-05-2023
7	Mid Semester Feedback	44	11-05-2023	44	11-05-2023
8	Second class committee meeting	55	26-05-2023	55	26-05-2023
9	Continuous Assessment Test – II (Unit -III)	57	-	57	29-05-2023
10	Internal Assessment Test 02 (Unit III to V)	74	19-06-2023	74	19-06-2023
11	Model Practical	84	03-07-2023	84	03-07-2023
12	End Semester Feedback	84	03-07-2023	84	03-07-2023
13	Last Working Day & Issue of hall tickets	84	03-07-2023	84	03-07-2023
14	Commencement of Practical Examinations	-	06-07-2023	-	06-07-2023
15	Commencement of End Semester Examinations	-	17-07-2023	-	17-07-2023

Prepared by Mrs. S L Jothilakshmi, AP/CSE

PRINCIPAL
Dr. T. KANNAN, M.E.,Ph.D.,
Principal
Amrita College of Engg. and Tech.,
Amritagiri, Erachakulam,
Nagercoil - 629 901

Copy to

All HoDs

Academic Coordinator

Department Academic Coordinator

Examinations Coordinator

UG Second Semester Academic Schedule:

AMRITA College of Engineering & Technology

Nagercoil - 629 901

Date: 11-05-2023

ACADEMIC AND ASSESSMENT SCHEDULE : 2022-2023
UG (Semester II)

Sl. No.	DESCRIPTION	Date
1	Commencement of regular classes	08-05-2023
2	First course committee meeting	12-05-2023
3	First class committee meeting	12-05-2023
4	Continuous Assessment Test – I (Unit- I)	01-06-2023
5	Internal Assessment Test 01 (Unit I & II)	19-06-2023
6	Sending IAT01 progress & attendance report to the parents	27-06-2023
7	Parents meeting with HOD and faculty members	28-06-2023
8	Mid semester feedback collection	28-06-2023
9	Second class and course committee meeting	07-07-2023
10	Continuous Assessment Test – II (Unit -III)	10-07-2023
11	Third class and course committee meeting	28-07-2023
12	Internal Assessment Test 02 (Unit III to V)	31-07-2023
13	Model practicals lab	07-08-2023
14	End semester feedback collection	07-08-2023
15	Last working day & issue of hall tickets	07-08-2023
16	Sending IAT2 progress & attendance report to the parents	11-08-2023
17	Commencement of practical examinations	09-08-2023
18	Commencement of end semester examinations	21-08-2023

Prepared by Mrs.S. L. Jothilakshmi

PRINCIPAL
Dr. T. KANNAN, M.E.,Ph.D.,
Principal
Amrita College of Engg. and Tech.,
Amritagiri, Erachakulam,
Nagercoil - 629 901

Copy to

All HoDs
Academic Coordinator
Department Academic Coordinator
Examinations Coordinator

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16. Enrolment and placement details of students in the last three years

Sl. No.	Course Name	2022-2023		2021-2022		2020-2021	
		Enrolment	Placement	Enrolment	Placement	Enrolment	Placement
UG PROGRAMME							
1	Civil Engineering	23	15	19	17	6	4
2	Computer Science and Engineering	100	76	63	51	6	4
3	Electronics and Communication Engineering	41	36	43	38	0	0
4	Electrical and Electronics Engineering	19	19	25	25	0	0
5	Mechanical Engineering	55	55	51	34	20	2
PG PROGRAMME							
1	Computer Science and Engineering	-	-	-	-	-	0
2	Embedded System Technologies	-	-	-	-	-	0
3	Management Studies	60	39	53	13	38	8

17. List of research projects/Consultancy Works

Number of projects carried out, funding agency, and grant received

Publications (if any) out of research in last three years out of masters projects

Industry Linkage

MoUs with Industries (Minimum 3 (10))

S. No.	MoU signed with (Mention company name & Address)	Category (Training, Research, etc.)	Date
1.	Fabtech Enginiers, Coimbatore	Training	22/12/2022

Fund Received from Student Projects Scheme 2022-2023:

Sl. No.	Faculty Name / Designation/ Department	Fund received from	Title	Student Name	Project Code	Amount
1	**Dr.K.R.Suja,** Professor, Department of Electrical and Electronics Engineering	Tamil Nadu State Council For Science and Technology	Building Energy Efficiency using Carbon Dioxide Feelers	1. Gowsik Ram R. S. 2. Raahul Krishna P. 3. Abinaya R. M. 4. Ahil Ram S.	EEE-061	Rs. 7500/-
2	**Mrs.S.Geetha** Assistant Professor, Department of Civil Engineering	Tamil Nadu State Council For Science and Technology	Experimental Investigation on Bamboo Reinforcement Concrete Beam	1. Abhisekh K. P. 2. Ajay A.R. 3. Deepak Singh U. 4. Diwahar S.	ECV - 015	Rs. 7500/-
3	**Dr.R.Dhaneesh** Assistant Professor Dept. of Management Studies	Tamil Nadu State Council For Science and Technology	A study on factors inducing road accidents in urban cities	1. Harish J. 2. M. Saroj Krishna Priya	SS-010	Rs. 7500/-
4	**Mr.K Aravinth** Assistant Professor, Department of Mechanical Engineering	Tamil Nadu State Council For Science and Technology	A novel non-toxic antibacterial and biocompatible AZ91-TiO2-ZrO2 hybrid orthopaedic implant composites for Biomedical applications	1. Nageshwari B. 2. Sivamurugan N. 3. Siva Subramani P.A. 4. Subramoniam S. R.	EME-0033	Rs. 7500/-
5	**Mrs.R.P.Sumithra** Assistant Professor, Department of Computer Science and Engineering	Tamil Nadu State Council For Science and Technology	IOT based SRSN Security System	1. Sridevi M. I. 2. Rebisha S. 3. Sharan B. 4. Nivetha R.	CSE-070	Rs. 7500/-

Fund Received by Faculty Members to Organize National Seminars 2022-2023:

Sl. No.	Faculty Name / Designation/ Department	Fund received from	Title	Amount
1	**Dr.S.Sivakami** Assistant Professor, Dept. of Management Studies. **Dr. S. Sreena, Assistant Professor,** Dept. of S&H.	Indian Council of Social Science Research, New Delhi	Atmanirbhar Bharat Through Design Thinking	Rs. 2,10,000/-
2	**Dr.M.S.Sivagama Sundari,** Associate Professor, Department of Electrical and Electronics Engineering. **Dr.A.S.Radhamani** Professor, Department of Electronics and Communication Engineering. **Dr.Shyni P Nair** Assistant Professor, Department of Electrical and Electronics Engineering.	Indian Council of Social Science Research, New Delhi	Research Methodology and Intellectual Property Rights	Rs. 2,00,000/-
3	**Dr.M.S.Sivagama Sundari,** Associate Professor, Department of Electrical and Electronics Engineering. **Dr.Shyni P Nair** Assistant Professor, Department of Electrical and Electronics Engineering.	Indian Council of Medical Research	Artificial Intelligence and Machine Learning Techniques for Biomedical Research	Rs. 3,78,500/-

18. LoA and subsequent EoA till the current Academic year

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/1-10981238981/2022/EOA

Date: 03-Jul-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	1-454166791	Application Id	1-10981238981
Name of the Institution	AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY	Name of the Society/Trust	MATA AMRITANANDAMAYI MATH
Institution Address	SUN NAGAR, ERACHAKULAM POST, NAGERCOIL, PIN-629902, NAGERCOIL, KANYAKUMARI, Tamil Nadu, 629902	Society/Trust Address	MATA AMRITANANDAMAYI MATH, AMRITAPURI PO, KOLLAM, KERALA, INDIA - 690546, NAGERCOIL, KANYAKUMARI, Tamil Nadu, 629001
Institution Type	Private-Self Financing	Region	Southern
Year of Establishment	1999		

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 (AI) AND DATA SCIENCE	Anna University, Chennai	0	30##	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Anna University, Chennai	60	30	Yes	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	Anna University, Chennai	120	120	Yes	NA

Application No:1-10981238981

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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Letter Printed On:7 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	ENGINEERI NG AND TECHNOLO GY	ELECTRICAL AND ELECTRONICS ENGINEERING	Anna University, Chennai	60	60	Yes	NA
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	ELECTRONICS & COMMUNICATIO N ENGG	Anna University, Chennai	120	120	Yes	NA
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	MECHANICAL ENGINEERING	Anna University, Chennai	60	60	Yes	NA
POST GRADUATE	MANAGEM ENT	MBA	Anna University, Chennai	60	60	Yes	NA
POST GRADUATE	ENGINEERI NG AND TECHNOLO GY	COMPUTER SCIENCE AND ENGINEERING	Anna University, Chennai	18	18	Yes	NA
POST GRADUATE	ENGINEERI NG AND TECHNOLO GY	EMBEDDED SYSTEMS	Anna University, Chennai	18	18	Yes	NA

Approved New Course(s)

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

Application No:1-10981238981

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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Letter Printed On:7 July 2022

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AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
(Managed by Mata Amritanandamayi Math, Kollam)
Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

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.

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,
   AMRITA COLLEGE OF ENGINEERING AND TECHNOLOGY
   Sun Nagar,
   Erachakulam Post,
   Nagercoil,
   Pin-629902,
   Nagercoil,Kanyakumari,
   Tamil Nadu,629902

4. The Secretary / Chairman,
   MATA AMRITANANDAMAYI MATH, AMRITAPURI PO, KOLLAM, KERALA, INDIA -690546
   NAGERCOIL,KANYAKUMARI
   Tamil Nadu,629001

Application No:1-10981238981   **ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**   Page 3 of 4
Note: This is a Computer generated Report. No signature is required.
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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

Application No:1-10981238981   ALL INDIA COUNCIL FOR TECHNICAL EDUCATION   Page 4 of 4
Note: This is a Computer generated Report. No signature is required.
Printed By : ae856021   Letter Printed On:7 July 2022

19. **Accounted Audited Statement for the last three years :**

Audit Statement 2019:

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AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL
(Managed by Mata Amritanandamayi Math)

Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Receipt and Payments A/c for the year ended 31st March 2019

RECEIPTS	Rs.P.	Rs.P.	PAYMENTS	Rs.P.	Rs.P.
Opening Balance			Purchase of Assets		
Cash in Hand	0.00		Building	16,33,46,250.00	
Cash at Bank	0.00	0.00	Computer & Accessories	1,03,74,017.00	
			Electrical Equipments	1,00,00,000.00	
Head Office A/c			Electronic Equipments	1,42,500.00	
ASE Ettimadai	1,44,552.00		Lab Equipments	50,26,606.00	
AV Kanyakumari	1,32,12,783.00		Library Books	13,28,733.00	19,02,18,106.00
Ettimadai Centre	20,56,86,940.00				
Hostel Nagercoil	9,64,472.00		Expenses		
Peeliad Centre	1,72,23,592.00		Advertisement & Publicity	35,77,472.00	
SCE Nagercoil	2,17,900.00		Affiliation Expenses	22,48,350.00	
Amritapuri	-20,00,000.00	23,54,50,239.00	Bank Charges	18,921.45	
			Building Maintenance	3,03,49,514.60	
Accounts Receivable			Computer Supplies	1,32,833.00	
Security Deposits	-2,84,000.00	-2,84,000.00	Electrical Maintenance	21,04,299.00	
			Electricity Charges	17,53,698.00	
Accounts Payable			ESIC	2,76,138.00	
Caution Deposits	30,000.00	30,000.00	Insurance	9,41,413.00	
			Internet Charges	19,15,630.00	
Receipts			Lab Consumables	5,04,362.00	
Fees Collection	4,44,83,967.46		Medical Supplies	11,577.00	
Interest	4,50,057.00		Newspaper & Periodicals	38,102.00	
Van Fees Collection	38,62,812.00	4,87,96,836.46	Postage & Courier	1,27,701.00	
			Printing & Stationery	10,22,327.00	
			Program & Seminars	2,67,201.00	
			Provident Fund	16,25,399.00	
			Rates & Taxes	2,10,341.00	
			Repairs & Maintenance	3,58,815.00	
			Salary & Allowances	3,04,55,870.00	
			Sports & Games	79,303.00	
			Staff welfare	12,57,169.00	
			TDS	13,539.00	
			Telephone Charges	5,23,847.00	
			Travelling Expenses	7,11,091.60	
			Vehicle Maintenance	69,11,095.00	
			Water Charges	13,745.00	8,74,49,753.65
			Closing Balance		
			Cash in Hand	0.00	
			Cash at Bank	63,25,215.81	63,25,215.81
TOTAL		28,39,93,075.46	TOTAL		28,39,93,075.46

For M.A.Math

Authorised Signatory

Place : Chennai

Date : 11th September 2019

Auditors' Report

Prepared from the books of account produced before us for Audit.

For N. Raja & Associates,
Chartered Accountants

N. Raja (Partner)

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
(Managed by Mata Amritanandamayi Math, Kollam)
Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

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AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL

(Managed by Mata Amritanandamayi Math)
Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Income and Expenditure for the year ended 31st March 2019

EXPENDITURE	Rs.P.	Rs.P.	INCOME	Rs.P.	Rs.P.
Advertisement & Publicity	35,77,472.00		Fees Collection	4,44,83,967.46	
Affiliation Expenses	22,48,350.00		Interest	4,50,057.00	
Bank Charges	18,921.45		Van Fees Collection	38,62,812.00	4,87,96,836.46
Building Maintenance	3,03,49,514.60				
Computer Supplies	1,32,833.00		Excess of Expenditure		5,24,76,057.54
Electrical Maintenance	21,04,299.00				
Electricity Charges	17,53,698.00				
ESIC	2,76,138.00				
Insurance	9,41,413.00				
Internet Charges	19,15,630.00				
Lab Consumables	5,04,362.00				
Medical Supplies	11,577.00				
Newspaper & Periodicals	38,102.00				
Postage & Courier	1,27,701.00				
Printing & Stationery	10,22,327.00				
Program & Seminars	2,67,201.00				
Provident Fund	16,25,399.00				
Rates & Taxes	2,10,341.00				
Repairs & Maintenance	3,58,815.00				
Salary & Allowances	3,04,55,870.00				
Sports & Games	79,303.00				
Staff welfare	12,57,169.00				
TDS	13,539.00				
Telephone Charges	5,23,847.00				
Travelling Expenses	7,11,091.60				
Vehicle Maintenance	69,11,095.00				
Water Charges	13,745.00				
Depreciation	1,38,23,140.35	10,12,72,894.00			
TOTAL		10,12,72,894.00	**TOTAL**		10,12,72,894.00

Auditors' Report
Prepared from the books of account produced before us for Audit.

For M.A.Math

Authorised Signatory
Place : Chennai
Date : 11th September 2019

For N. Raja & Associates,
Chartered Accountants

N. Raja (Partner)

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AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL

(Managed by Mata Amritanandamayi Math)

Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Balance Sheet as on 31st March 2019

LIABILITIES	Rs.P.	Rs.P.	ASSETS	Rs.P.	Rs.P.
General Fund			Fixed Assets		
Capital Fund	0.00		Buildings	15,51,78,937.50	
Head Office A/c			Computers & Accessories	62,24,410.20	
ASE Ettimadai	1,44,552.00		Electrical Equipments	92,50,000.00	
AV Kanyakumari	1,32,12,783.00		Electronic Equipments	1,21,125.00	
Ettimadai Centre	20,56,86,940.00		Lab Equipments	46,49,610.55	
Hostel Nagercoil	9,64,472.00		Library Books	9,70,882.40	17,63,94,965.65
Peeliad Centre	1,72,23,592.00				
SCE Nagercoil	2,17,900.00		Accounts Receivable		
Less: Amritapuri	20,00,000.00		Security Deposits	2,84,000.00	2,84,000.00
Excess of Exp.	5,24,76,057.54	18,29,74,181.46			
			Current Assets		
Fund Account			Cash in Hand	0.00	
Fund Account	0.00	0.00	Cash at Bank	63,25,215.81	63,25,215.81
Accounts Payable					
Caution Deposits	30,000.00	30,000.00			
TOTAL		18,30,04,181.46	TOTAL		18,30,04,181.46

Auditors' Report

Prepared from the books of account produced before us for Audit.

For M.A.Math

Authorised Signatory

Place : Chennai

Date : 11th September 2019

For N. Raja & Associates,

Chartered Accountants

N. Raja (Partner)

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
(Managed by Mata Amritanandamayi Math, Kollam)
Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

Audit Statement 2020:

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL
(Managed by Mata Amritanandamayi Math)
Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Receipt and Payments A/c for the year ended 31st March 2020

RECEIPTS	Rs.P.	Rs.P.	PAYMENTS	Rs.P.	Rs.P.
Opening Balance			Purchase of Assets		
Cash in Hand	0.00		Electronic Equipments	2,26,600.00	
Cash at Bank	63,25,215.81	63,25,215.81	Furniture & Fittings	10,310.00	
			Library books	2,30,570.00	4,67,480.00
Head Office A/c					
AIT Nagercoil	14,69,759.00		Expenses		
Amritapuri Centre	30,00,000.00		Advertisement & Publicity	19,12,153.00	
APC Nagercoil	42,99,700.00		Affiliation Expenses	10,02,756.95	
Hostel Nagercoil	7,94,847.00		Bank Charges	81,037.29	
SCE Nagercoil	33,07,572.00		Building Maintenance	1,26,21,492.32	
SIP Nagercoil	44,78,285.42	1,73,50,163.42	Computer Supplies	1,30,690.00	
			Electrical Maintenance	1,71,354.00	
Accounts Receivable			Electricity Charges	12,17,689.00	
Security Deposits	0.00	0.00	ESIC	2,36,466.00	
			Freight Charges	65,591.00	
Accounts Payable			Lab Supplies	2,63,437.00	
Caution Deposits	0.00	0.00	Medical Expenses	10,037.00	
			Newspaper & Periodicals	36,618.00	
Receipts			Postage & Courier	50,292.00	
Fees Collection	3,92,37,600.95		Printing & Stationery	7,75,336.00	
Insurance	616.00		Program & Seminars	8,40,135.00	
Van Fees Collection	60,22,674.00		Provident Fund	8,23,348.00	
Interest	5,09,347.00	4,57,70,237.95	Rates & Taxes	87,900.00	
			Repairs & Maintenance	1,61,861.00	
			Salaries & Allowances	3,21,37,489.00	
			Sports & Games	2,32,787.00	
			Staff Welfare	4,05,549.00	
			Students Welfare	13,19,052.00	
			Telephone Charges	1,51,407.75	
			Travelling Expenses	3,76,551.40	
			Vehicle Maintenance	67,34,051.00	
			Water Charges	11,575.00	6,18,56,655.71
			Closing Balance		
			Cash in Hand	5,098.00	
			Cash at Bank	71,16,383.47	71,21,481.47
TOTAL		**6,94,45,617.18**	**TOTAL**		**6,94,45,617.18**

Auditors' Report
Prepared from the books of account produced before us for Audit.

For M.A.Math

For N. Raja & Associates,
Chartered Accountants

Authorised Signatory
Place : Chennai
Date : 10th October 2020

N. Raja (Partner)

N. RAJA & ASSOCIATES
CHENNAI
600 017
FRN:0033885
CHARTERED ACCOUNTANTS

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AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL

(Managed by Mata Amritanandamayi Math)

Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Income and Expenditure for the year ended 31st March 2020

EXPENDITURE	Rs.P.	Rs.P.	INCOME	Rs.P.	Rs.P.
Advertisement & Publicity	19,12,153.00		Fees Collection	3,92,37,600.95	
Affiliation Expenses	10,02,756.95		Insurance	616.00	
Bank Charges	81,037.29		Van Fees Collection	60,22,674.00	
Building Maintenance	1,26,21,492.32		Interest	5,09,347.00	4,57,70,237.95
Computer Supplies	1,30,690.00				
Electrical Maintenance	1,71,354.00				
Electricity Charges	12,17,689.00		Excess of Expenditure		3,66,55,892.03
ESIC	2,36,466.00				
Freight Charges	65,591.00				
Lab Supplies	2,63,437.00				
Medical Expenses	10,037.00				
Newspaper & Periodicals	36,618.00				
Postage & Courier	50,292.00				
Printing & Stationery	7,75,336.00				
Program & Seminars	8,40,135.00				
Provident Fund	8,23,348.00				
Rates & Taxes	87,900.00				
Repairs & Maintenance	1,61,861.00				
Salaries & Allowances	3,21,37,489.00				
Sports & Games	2,32,787.00				
Staff Welfare	4,05,549.00				
Students Welfare	13,19,052.00				
Telephone Charges	1,51,407.75				
Travelling Expenses	3,76,551.40				
Vehicle Maintenance	67,34,051.00				
Water Charges	11,575.00				
Depreciation	2,05,69,474.27	8,24,26,129.98			
TOTAL		8,24,26,129.98	TOTAL		8,24,26,129.98

Auditors' Report

For M.A.Math

Prepared from the books of account produced before us for Audit.

For N. Raja & Associates,
Chartered Accountants

Authorised Signatory

Place : Chennai

Date : 10th October 2020

N. Raja (Partner)

CHENNAI
600 017
FRN:0033885

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AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL
(Managed by Mata Amritanandamayi Math)
Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Balance Sheet as on 31st March 2020

LIABILITIES	Rs.P.	Rs.P.	ASSETS	Rs.P.	Rs.P
General Fund			**Fixed Assets**		
Capital Fund	16,29,74,181.46		Buildings	13,96,61,043.75	
Head Office A/c			Computers & Accessories	37,34,646.12	
AIT Nagercoil	14,69,759.00		Electrical Equipments	78,62,500.00	
Amritapuri Centre	30,00,000.00		Electronic Equipments	3,06,348.10	
APC Nagercoil	42,99,700.00		Furniture & Fittings	9,279.00	
Hostel Nagercoil	7,94,847.00		Lab Equipments	39,52,168.97	
SCE Nagercoil	33,07,572.00		Library Books	7,66,985.44	15,62,92,971.38
SIP Nagercoil	44,78,285.42				
Less: Excess of Exp.	3,66,55,892.03	16,36,68,452.85	**Accounts Receivable**		
			Security Deposits	2,84,000.00	2,84,000.00
Fund Account					
Fund Account	0.00	0.00	**Current Assets**		
			Cash in Hand	5,098.00	
Accounts Payable			Cash at Bank	71,16,383.47	71,21,481.47
Caution Deposits	30,000.00	30,000.00			
TOTAL		16,36,98,452.85	**TOTAL**		16,36,98,452.85

Auditors' Report
Prepared from the books of account produced before us for Audit.

For M.A.Math

For N. Raja & Associates,
Chartered Accountants

Authorised Signatory
Place : Chennai
Date : 10th October 2020

N. Raja (Partner)

CHENNAI
600 017
FRN.0033885

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
(Managed by Mata Amritanandamayi Math, Kollam)
Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

Audit Statement 2021:

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL
(Managed by Mata Amritanandamayi Math)
Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Receipt and Payments A/c for the year ended 31st March 2021

RECEIPTS	Rs.P.	Rs.P.	PAYMENTS	Rs.P.	Rs.P.
Opening Balance			Purchase of Assets		
Cash in Hand	5,098.00		Electronic Equipments	1,41,633.00	
Cash at Bank	71,16,383.47	71,21,481.47	Library Books	1,46,948.00	
			Lab Equipments	1,09,227.00	
Head Office A/c			Computer & Accessories	19,49,847.00	23,47,655.00
AIT Nagercoil	12,89,990.00		Expenses		
Ettimadai Centre	45,08,055.75		Advertisement & Publicity	2,44,091.00	
APC Nagercoil	36,78,900.00		Affiliation Expenses	32,47,357.00	
ACEdu Nagercoil	1,21,000.00	95,97,945.75	Bank Charges	89,956.47	
			Building Maintenance	49,70,618.75	
Receipts			Computer Supplies	11,576.00	
Fees Collection	4,38,44,273.59		Electrical Maintenance	3,79,201.00	
Interest	6,88,278.29	4,45,32,551.88	Electricity Charges	8,04,201.00	
			ESIC	1,61,143.00	
			Freight Charges	10,605.00	
			Lab Supplies	41,109.00	
			Medical Expenses	12,537.00	
			Newspaper & Periodicals	10,616.00	
			Postage & Courier	38,293.00	
			Printing & Stationery	5,25,905.00	
			Program & Seminars	1,84,963.00	
			Provident Fund	10,30,704.00	
			Rates & Taxes	11,94,648.00	
			Repairs & Maintenance	95,595.00	
			Cleaning & Sanitation	5,94,616.00	
			Honorarium	1,39,457.87	
			Internet Charges	4,19,251.66	
			Salaries & Allowances	2,18,44,677.00	
			Sports & Games	8,360.00	
			Mess Expenses	10,65,894.00	
			Staff welfare	1,02,253.00	
			Students Welfare	3,67,869.00	
			Teaching Aids	2,94,529.00	
			Travelling Expenses	1,49,167.08	
			Vehicle Maintenance	27,39,286.00	
			Water Charges	1,725.00	4,07,80,204.83
			Closing Balance		
			Cash in Hand	9,440.00	
			Cash at Bank	1,81,14,679.27	1,81,24,119.27
TOTAL	6,12,51,979.10		TOTAL		6,12,51,979.10

Auditors' Report
Prepared from the books of account produced before us for Audit.

For M.A.Math

Authorised Signatory
Place : Chennai
Date : 10th October 2021

For N. Raja & Associates,
Chartered Accountants

N. Raja (Partner)

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
(Managed by Mata Amritanandamayi Math, Kollam)
Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL
(Managed by Mata Amritanandamayi Math)
Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Income and Expenditure for the year ended 31st March 2021

EXPENDITURE	Rs.P.	Rs.P.	INCOME	Rs.P.	Rs.P.
Advertisement & Publicity	2,44,091.00		Fees Collection	4,38,44,273.59	
Affiliation Expenses	32,47,357.00		Interest	6,88,278.29	4,45,32,551.88
Bank Charges	89,956.47				
Building Maintenance	49,70,618.75				
Computer Supplies	11,576.00				
Electrical Maintenance	3,79,201.00		Excess of Expenditure	1,42,72,541.41	1,42,72,541.41
Electricity Charges	8,04,201.00				
ESIC	1,61,143.00				
Freight Charges	10,605.00				
Lab Supplies	41,109.00				
Medical Expenses	12,537.00				
Newspaper & Periodicals	10,616.00				
Postage & Courier	38,293.00				
Printing & Stationery	5,25,905.00				
Program & Seminars	1,84,963.00				
Provident Fund	10,30,704.00				
Rates & Taxes	11,94,648.00				
Repairs & Maintenance	95,595.00				
Cleaning & Sanitation	5,94,616.00				
Honorarium	1,39,457.87				
Internet Charges	4,19,251.66				
Salaries & Allowances	2,18,44,677.00				
Sports & Games	8,360.00				
Mess Expenses	10,65,894.00				
Staff welfare	1,02,253.00				
Students Welfare	3,67,869.00				
Teaching Aids	2,94,529.00				
Travelling Expenses	1,49,167.08				
Vehicle Maintenance	27,39,286.00				
Water Charges	1,725.00				
Depreciation	1,80,24,888.46	5,88,05,093.29			
TOTAL		**5,88,05,093.29**	**TOTAL**		**5,88,05,093.29**

For M.A.Math

Authorised Signatory
Place : Chennai
Date : 10th October 2021

Auditors' Report
Prepared from the books of account produced before us for Audit.

For N. Raja & Associates,
Chartered Accountants

N. Raja (Partner)

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY

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

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Amritagiri, Erachakulam (PO), Nagercoil - 629 901, Kanyakumari (Dt), Tamil Nadu, INDIA

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY - NAGERCOIL

(Managed by Mata Amritanandamayi Math)

Amritagiri, Erachakulam Post, Nagercoil, Tamilnadu - 629902

Balance Sheet as on 31st March 2021

LIABILITIES	Rs.P.	Rs.P.	ASSETS	Rs.P.	Rs.P.
General Fund			Fixed Assets		
Capital Fund	16,36,68,452.85		Buildings	12,56,94,939.38	
Head Office A/c			Computers & Accessories	38,00,665.27	
AIT Nagercoil	12,89,990.00		Electrical Equipments	66,83,125.00	
APC Nagercoil	36,78,900.00		Electronic Equipments	3,90,528.91	
Ettimdai Centre	45,08,055.75		Furniture & Fittings	8,351.10	
ACEdu Nagercoil	1,21,000.00		Lab Equipments	34,60,378.60	
Less: Excess of Exp.	-1,42,72,541.41	15,89,93,857.19	Library Books	5,77,749.66	14,06,15,737.92
			Accounts Receivable		
Accounts Payable			Security Deposits	2,84,000.00	2,84,000.00
Caution Deposits	30,000.00	30,000.00			
			Current Assets		
			Cash in Hand	9,440.00	
			Cash at Bank	1,81,14,679.27	1,81,24,119.27
TOTAL		15,90,23,857.19	TOTAL		15,90,23,857.19

For M.A.Math

Authorised Signatory

Place : Chennai

Date : 10th October 2021

Auditors' Report

Prepared from the books of account produced before us for Audit.

For N. Raja & Associates,
Chartered Accountants

N. Raja (Partner)

20. Best practices adopted, if any

Best Practice – I: Academic Calendar

- A detailed academic calendar is prepared at the beginning of every academic year and adhered to it that include the academic sessions and the Continuous Assessment Test, Internal Assessment Test.

Best Practice – II: Orientation Programme

- Orientation programmes for first year students are conducted for three to four weeks at the beginning of every academic year. The students are made aware of the College Vision, Mission and the value system and ethics to be followed. Special emphasis is givento enhance the communication skills to the. They are familiarized with the Laboratory and other facilities. They are introduced to the Library services including digital library. They get familiarized with the faculty member and office staff.
- The lateral entry students who directly join the second year of the program are also given orientation for a brief period as they join after the academic session began. However, bridge courses to them are conducted after class hours without disturbing the regular course work.

Best Practice – III: Preparation of Course Plan and communicating tostudents at the beginning of the Semester

- Every teacher prepares/reviews the course plan before thecommencement of the semester which is mapping of week-wise

topic to be taught with the intended learning outcomes, teaching methods, assessment methods and the date(s) of submission/written examination. It also includes the scheme of evaluation giving the details of assessment method, type/mode of questions, weightage of marks, and date of submission/examination. It also includes the self-evaluation questions. This is communicated to the students at the beginning of the semester.

Best Practice – IV: Peer review of Course Plan

- The course plan prepared by the concerned teacher is reviewed by another teacher who has taught the course before and prepares the Report in the Template given in T-L Policy and submits to the Head of the Department. The teacher is asked to revise the plan as per suggestions given in the Report and submit the final version to the Head of the Department. This ensures the complete preparation of the pan in all respects, the coverage of the entire syllabus, and all the ILOs. It also ensures the selection of appropriate teaching and Assessment methods, appropriateness of the teaching and assessment methods and the scheme of assessment.

Best Practice – V: Monitoring the course delivery

- Class coordination committees of each class meet once every month to discuss the status of syllabus coverage, continuous evaluation, discipline problems, if any, nonperforming students, students with chronic absenteeism etc. They also take up

corrective actions and these are reviewed by the department committee and also by the academic monitoring team. They plan the remedial classes where necessary.

Best Practice – VI: Verification of Question papers

- The Cat and IAT question papers are peer reviewed for the easy/toughness of questions, appropriate weightage of marks to the question, ILO to be tested with each question, proper wording of the questions for clarity and uniform understanding of the question, etc. The examiner must submit the scheme of valuation along with the question paper. The reviewer verifies the appropriateness of the answers or brief note of valuation. The Reviewer submits a report in the Template given in the Assessment and Evaluation Policy of the College to the Examiner who revises based on the suggestions. The IAT question paper is also subjectedto the external review before the Examination along with the Scheme of valuation.

- The reviewers, both internal and external, reviews a sample of answer scripts of the CAT AND IAT for the uniform evaluation and the completion of evaluation in all respects. They also look into the bias, fairness and correctness.

Best Practice – VII: Distribution of evaluated answer scripts to studentsfor scrutiny

- The evaluation schemes are placed on the website for the students to evaluate themselves. The answer scripts, after the evaluation of

all the assessments are shown to the students including the semester end examination. The student can check the valuation as per the scheme. Any deviation of the actual evaluation from the scheme can be reported to the subject teacher so that the claims made by the student can be considered and the paper is reevaluated as per the claims without any fee. This is a measure taken as part of the transparency in the evaluation system.

Best Practice – VIII: UG Internship and final Project

- Provision is made for industry based projects where the students can work in the Company for four to five months for their project. Students are allowed to take MOOC courses of the equivalent subjects of the final semester with the approval of the Department. Internship is made mandatory and a credit course in the R2017 regulations and the Department make proactive special efforts to get the students internship opportunities.

Best Practice – IX: Mentoring system

- The mentoring system is designed to assist the students in academic and general issues they face during the four year periodof the degree. A faculty member is assigned as a mentor for a group of 15 to 20 students in the first year itself. The same mentor may continue with the group till the final year. The mentoring is

conducted in a structured way. The mentor and the students meet at least one hour in every week as per the schedule in the time table. The mentor counsels the students in not only the issues related academics but also some of their personal issues and a proper guidance and support is provided to ensure the comfort of the students in the campus. In the cases where advanced counseling is needed, the student is referred to the psychological counselor. The mentors also participate in the class review meetings and discuss about the students with the teachers of the class.

Best Practice – X: Assistance to special category Students

- College formed the SC/ST Committee, OBC committee, and the women welfare committee to assist the students in getting assistance through Central and State Government schemes, to provide skills training, and in any specific issues.

Best Practice – XI: Innovation, Incubation and Entrepreneurship

- The Centre for Innovation, Incubation and Entrepreneurship of the College organizes training programmes, workshops and Seminars on innovation and idea generation. College has started incubation activities where the students are provided space as needed and

encouraged to utilize all the facilities, equipment and software, of the College to develop the idea into a product/service.

- The College also makes special efforts to get the students mentored for innovation and entrepreneurship. Forty students have been chosen by ten entrepreneurs to mentor the students for innovation and entrepreneurship during the current academic year.

- Entrepreneurship is introduced as a chapter in a core subject and special lectures/workshops are arranged on entrepreneurship.

Best Practice – XII: Green Practices

- The College installed a solar power system in the College thatcaters to the half of the energy requirement. It is also replacingthe conventional lights with the energy efficient LED lights. The College also makes special efforts for solid waste management and the optimal use of water resources. The College has hundreds of trees and plants maintaining a green campus.

Best Practice – XIII: Health services

- The College has a clinic and the Doctor visits twice a month. College has an understanding with a Hospital which is ten minute away from the Campus to cater to any emergency service. The First Aid Boxes are placed in all the Departments and Hostels. The College facilitates health insurance for all the students and strictly maintains a 'No smoking' and 'No Drugs/Alcohol' Policy in the campus.

Best Practice–XIV: Interaction with Industries and foreign Universities/Institutes

- For giving an international exposure to the students, and young teachers, the College is making attempts to develop relations with reputed Universities abroad. An MOU has already been signed with different companies
- The College has a separate Cell for Industry Interaction and has undertaken MOU with nine Industries for student projects and internship.

Other Best Practices - XV

i. Teachers use ICT system for teaching-learning. Every class room is provided with a LCD Projector and Wi-Fi to make them digital classrooms.

ii. College has installed Teacher and Student awards as recognition of merit and yeoman service to academics and the College.

iii. College has Professional society chapters where members organize Seminars/workshops /conferences.

iv. Engineering Graphics (manual) is completely replaced by Computerized Engineering Graphics Lab with AutoCAD for the Firstyear Students of all UG Engineering programs.

v. The students participate in the Community Engagement through NSS, and also in the awareness rallies organized by the Govt. departmentsor NGOs.