Mandatory Disclosure 31-12-2025

1	**Name of the Institution**	Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women
	Address of the Institution	Karvenagar, Pune – 411052
	Telephone	020-25311000
	Email	administrator@cumminscollege.in

2	**Name of the Trust Address including Telephone, E-mail**	Maharshi Karve Stree Shikshan Samstha Karvenagar, Pune – 411 052. 020 25313000 / mkssho@gmail.com
	Trustees	1) Shri. Rajendra Jog 2) Shri. Purushottam Lele

3	**Name of the Principal Address**	Dr. Madhuri Khambete Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women Karvenagar, Pune – 411 052.
.	**Phone number with STD Code**	020 – 25311100
	Fax number with STD Code	020 – 25311499
	Mobile No.	9225517613
	E-mail	principal@cumminscollege.in

4   **Name of Affiliating University** Savitribai Phule Pune University, Pune

5   **Governance**

5.1   Members of the Governing Body

Sr. No.	Name	Designation	Category
1	Mr. Jayant Inamdar Management Committee Member, MKSSS	Chairman Governing Body	Management
2	Shri. Ravindra Deo Chairman, MKSSS	Member	Management
3	Shri Rajendra Jog Trustee, MKSSS	Member	Management
4	Dr. Dhananjay Kulkarni, Management Committee Member, MKSSS	Member	Management
5	Mr. Atul Nagras Management Committee Member, MKSSS	Member	Management
6	Dr. P.V.S. Shastry Secretary, MKSSS	Member	Management

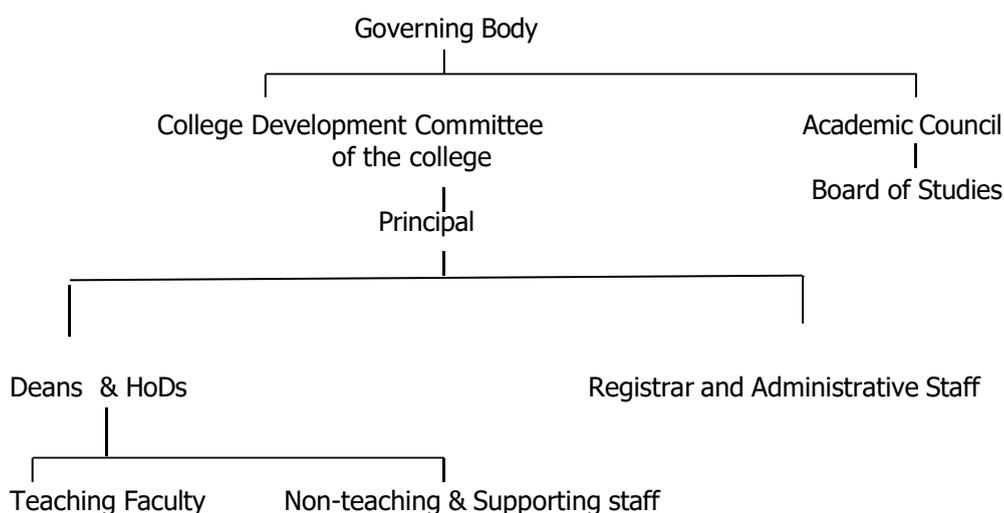| 7	UGC Nominee	Member	University Grant Commission (UGC) Nominee
8	DTE Nominee	Member	State Government Nominee (Ex-officio)
9	Dr. Rajeshwari Deshpande Prof. Dept. of Politics and Public administration SPPU, Pune	Member	Savitribai Phule Pune University Nominee
10	Mr. Ashish Aggarwal, Chief administrative Officer, Cummins India Ltd.	Member	Industry Expert Management Nominee
11	Dr. Anand Bewoor Dean Academics Professor, Cummins College	Member	Teachers of the College Nominated by the Principal
12	Dr. Sandeep Musale Dean Administration Professor, Cummins College	Member	Teachers of the College Nominated by the Principal
13	Mr. Prashant Renushe Registrar, Cummins College	Member	Registrar of the College Nominated by the Principal
13	Dr Madhuri Khambete Principal, Cummins College	Member	Principal of the College

5.2 Members of Academic Advisory Body

Sr. No.	Name	Designation	Category
1	Dr. Madhuri Khambete Principal, Cummins College of Engineering	Chairman	Principal
2	Dr. B.B. Ahuja Director, College of Engineering , Pune	Member	University Nominee
3	Dr. Sunil Thakre Principal, Anantrao Pawar College ofEngineering , Pune	Member	University Nominee
4	Prof. Dr. Kalyani Joshi Principal, PES's Modern College ofEngineering	Member	University Nomine
5	Dr. Bhalchandra Puranik HoD, IIT, Bombay (Academic Expert,Mechanical Engineering Domain)	Member	G.B. Nominee
6	Dr. Nilesh Powar Cummins India Ltd. (Industry Expert – AI &ML (Comp/IT) Domain)	Member	G.B. Nominee
7	Mr. Ajay Deshmukh Executive Director, PWC(India) (Industry Expert- Instru. & Control Domain)	Member	G.B. Nominee
8	Dr. Sharda Ohatkar HOD - Electronics & Telecommunications Engineering Dept.	Member	Chairman, BoS, E&TC

9	Dr. Sunita Jahirabadkar HOD - Computer Engineering Dept.	Member	Chairman, BoS, Computer
10	Dr. Dipali Ramdasi HOD –Instrumentation & Control Engineering Dept.	Member	Chairman, BoS, Instru.
11	Dr. Anagha Kulkarni HOD - Information Technology Dept	Member	Chairman, BoS, Info. Tech.
12	Dr. Ajit Bhosale HOD - Mechanical Engineering Dept.	Member	Chairman, BoS, Mech.
13	Dr. Madhuri Purandare HOD - Basic Sciences & Humanities Dept.	Member	Chairman, BoS, BSH
14	Prof. Amit Rajurkar Training & Placement Officer	Member	T&P Officer
15	Dr. Anand Bewoor Dean Academics Professor, Cummins College	Member	Member Secretary
16	Dr. Ashok Khedkar	Member	Den Examination
17	Dr. Dipti Patil	Member	Dean Student Affairs
18	Dr. Prachi Mukherji	Member	Dean R&D
19	Prof. Hitendra Khairnar	Member	Dean Quality Assurance
20	Dr. Anita Patil	Member	Associate Professor, E&TC
21	Dr. Sandeep Musale	Member	Dean Administration

1.1 Frequency of the Board meetings and Academic Advisory Body meetings
Twice in a year (Minimum)

1.2 Organization Chart

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                        Governing Body
          ┌──────────────────┴──────────────────┐
   College Development Committee          Academic Council
         of the college                         │
              │                           Board of Studies
          Principal
     ┌────────┴────────────────────────┐
 Deans  & HoDs                  Registrar and Administrative Staff
     ┌────┴────────┐
Teaching Faculty   Non-teaching & Supporting staff
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1.3 Grievance Redressal mechanisms for faculty, staff & students

1. College has ‗Teacher mentor' scheme. Under this scheme students can approach their mentor for any grievance.

2. College has also Anti-ragging committee, cell for SC/ST, staff grievance committee students' grievance redressal committee and Internal complaint committee for grievance redressal of staff and students.

1.4 Establishment of Anti Ragging Committee

Sr.No.	Name	Designation
1	Dr. Madhuri Khambete	Principal, Cummins College of Engineering for Women (Chairperson)
2	Police Inspector Warje Malwadi Police Station	Representative of Civil and Police administration
3	Mrs. Saranga A. Pophale	Representative of Non- Government Organization
4	Prof. Vaishali Salgar	Nodal Officer, Coordinator
5	Dr. Madhuri Purandare	Representative of Faculty Members
6	Mrs. Daundkar Manjusha	Rector Girls Hostel
7	Shri. Renushe Prashant	Registrar, Cummins College of Engineering for Women
8	Shri Saurabhe Mangale	Representative of Parents
9	Ms. Rucha Joshi Final Year	Representative of Students' (Senior Student)
10	Ms. Hrushita Mulaokar Third Year	Representative of Students' (Senior Student)
11	Ms. Manasvi Pensalwar SY	Representative of Students' (Senior Student)
12	Ms. Ruchika Rangari	Representative of Students' (Hostel)
13	Ms. Mohan Liya Ramesh ENTC	Representative of Students' (Junior Student)

1.4 Establishment of Online Grievance Redressal Mechanism

College has established online Grievance procedure. Link for registering the grievance is published on the website. Students can file their grievance anonymously. Grievances are analyzed and appropriate actions are taken to sort out grievances.

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

SN	Name	Post	E-mail
1	Dr. Madhuri Khambete	Chairman	principal@cumminscollege.in
2	Dr. Manoj S. Nagmode	Member	manoj.nagmode@gmail.com
3	University Nomineee	Member	To be nominated by VC
4	Dr. Ajit Bhosale	Member	ajit.bhosale@cumminscollege.in
5	Mr. Prashant Renushe	Member	registrar@cumminscollege.in

1.6 Establishment of Internal Complaint Committee (ICC)

SN	Name	Designation	E-Mail
1	Dr. Seema Rajput	Senior Faculty	Seema.rajput@cumminscollege.in
2	Dr. Vaishali Upadhye	Faculty	Vaishali.upadhye@cumminscollege.in
3	Prof. Mrunal Mohrir	Faculty	mrunal.mahrir@cumminscollege.in
4	Mr. Arun Kale	Non-Teaching Staff	arun.kale@cumminscollege.in
5	Mrs. Jyoti Tamhankar	Non-Teaching Staff	jyoti.tamhankar@cumminscollege.in
6	Ms. Manasvi Pensalwar SY	Student representative	administrator@cumminscollege.in
7	Ms. Ruchika Rangari	Student representative	administrator@cumminscollege.in
8	Ms. Mohan Liya Ramesh ENTC	Student representative	administrator@cumminscollege.in

1.6 Establishment of Committee for SC/ ST

SN	Name	Post	E-mail
1	Prof. Shashikant Sahare	Assistant Profesor, Cummins College of Engineering for Women (Chairman)	shashikant.sahare@cumminscollege.in
2	Prof. Prachi Waghmare	Assistant Profesor, Cummins College of Engineering for Women	prachi.waghmare@cumminscollege.in
3	Prof. Harish Shinde	Assistant Profesor, Cummins College of Engineering for Women	harish.shinde@cumminscollege.in
4	Shri Arvind Shirsat	Non-teaching Staff Member, Cummins College of Engineering for Women	arvind.shirsat@cumminscollege.in
5	Shri. Santosh Waghmare	Non-teaching Staff Member, CumminsCollege of Engineering for Women	santosh.waghmare@cumminscollege.in

1.7 Internal Quality Assurance Cell

SN	Name	Designation
1	Dr. Madhuri Khambete	Principal, Cummins College of Engineering for Women, Pune
2	Dr. Anand Bewoor	Dean academics
3	Dr. Prachi Mukherji	Dean R & D
4	Dr. Nivedita Daimiwal	Associate Dean, Quality Assurance
5	Dr. Ashok Khedkar	Dean Examination
6	Dr. Sandeep Musale	Dean – Administration
7	Dr. Mrudul Dixit	Dean - Alumnae
8	Dr. Supriya Kelkar	Dean - International Relations
9	Dr. Dipti Patil	Dean - Student Affairs
10	Dr. Sharda Ohatkar	HoD, Electronics & Telecom
11	Dr. Sunita Jahirabadkar	HoD, Computer Engineering

12	Dr. Dipali Ramdasi	HoD, Instrumentation & Control
13	Dr. Anagha Kulkarni	HoD, Information Technology
14	Dr. Ajit Bhosale	HoD, Mechanical Engineering
15	Dr. Madhuri Purandare	HoD, Basics Sciences & Humanities
16	Mrs. Jyoti Chitale	Librarian
17	Dr. P.V.S. Shastry	Secretary, Management Committee of MKSSS
18	Shri. Prashant Renushe	Registrar, Cummins College of Engineering for Women
19	Ms. Vaijayanti Kherdekar	President, Alumnae Association
20	Shri C. Shekhar Dhamankar	Industry- Nominee
21	Ms. Kajal Israni	Technical Secretary
22	Miss. Rujuta Kulkarni	Operations Secretary
23	Miss. Rucha Joshi	Cultural Secretary
24	Prof. Hitendra Khairnar	IQAC-Co-ordinator

1.8 Equal Opportunity Cell:

SN	Name	Designation
1	Dr. Madhuri Khambete	Principal, Cummins College of Engineering for Women(Chairperson)
2	Prof. Shashikant Sahare	Assistant Professor
3	Dr. Gosavi Chhaya Santosh	Associate Professor
4	Dr. Madhe Swati Prashant	Assistant Professor
5	Mrs. Anuradha Kolekar	Head Clerk

6. Programmes

6.1 Name of the Programs approved by AICTE:- Engineering & Technology

6.2 Name of the Courses Accredited by NBA:-

Following programs are accredited by National Board of Accreditation (NBA)

- B.Tech. (Electronics &Telecommunication Engineering)

- B.Tech. (Computer Engineering)

- B.Tech. (Instrumentation & Control Engineering)

- B.Tech. (Mechanical Engineering)

- B.Tech. (Information Technology Engineering)

All Courses are accredited by NAAC, valid up to 1st June 2028 with Grade —A

6.3 Status of Accreditation of the courses: -

NBA Accredited Status		
1	Courses Accredited	B.Tech Electronics & Telecommunications Engineering Accreditation valid up to 30th June, 2028
		B.Tech Computer Engineering Accreditation valid upto 30th June, 2028
		B.Tech Instrumentation & Control Engineering Accreditation valid upto 30th June, 2028
		B.Tech Mechanical Engineering - Accreditation valid upto 30th June, 2028 B.Tech Information Technology Accreditation valid upto 30th June, 2031

2	Applied for Accreditation	NA
	A. Applied but visit not happened	NA
	B. Visit happened but result awaited	NA

	NAAC Accredited Status	
1	Accredited	B.Tech Electronics & Telecommunications Engineering
		B.Tech Computer Engineering
		B.Tech Instrumentation and Control Engineering
		B.Tech Information Technology
		B.Tech Mechanical Engineering
		Accreditation of all the above courses are valid upto 1st June,2028 with Grade - A
2	Applied for Accreditation	NA
	A. Applied but visit not happened	NA
	B. Visit happened but result awaited	NA

6.3 Program Details :-B.Tech. Programs

SN	Details			
1	Name of the Programme	**B. Tech.** **Electronics and Telecommunications Engineering**		
2	Number of Seats	180		
3	Duration	Four Year		
4	Cut-off Marks /Rank of Admission during last three year	2023-24	2024-25	2025-26
		96.97	98.02	98.54
5	Fees	166000	169000/-	192500/-
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	201	164	174
	Minimum salary	4.0	4.5	3.25
	Maximum salary			47.64
	Average salary	12.90	11.51	25.44

1	Name of the Programme	**B. Tech. Computer Engineering**		
2	Number of Seats	180		
3	Duration	Four Year		
4	Cut-off Marks / Rank of Admission during last three year	2023-24	2024-25	2025-26
		98.66	99.21	99.24
5	Fees	166000/-	169000/-	192500/-
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	214	207	209
	Minimum salary	4.25	4.50	3.5
	Maximum salary	55.75	50	47.64
	Average salary	16.27	16.71	25.57

1	Name of the Programme	**B. Tech. Instrumentation & Control Engineering**		
2	Number of Seats	60		
3	Duration	Four Year		
4	Cut-off Marks / Rank of Admission during last three year	2023-24	2024-25	2025-26
		92.31	96.71	97.86
5	Fees	166000/-	169000/--	192500/--
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	52	51	45
	Minimum salary	4.2	3.5	3
	Maximum salary	23	16.5	13.17
	Average Salary	8.15	6.15	8.08

1	Name of the Programme	**B. Tech. Information Technology**		
2	Number of Seats	120		
3	Duration	Four Year		
4	Cut-off Marks / Rank of Admission during last three year	2023-24	2024-25	2025-26
		98.33	98.83	98.87
5	Fees	166000/-	169000/-	192500/-
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	73	63	74
	Minimum salary	4.25	4.5	5
	Maximum salary	39.13	50	47.64
	Average salary	14..96	15.20	26.32

1	Name of the Programme	**B. Tech. Mechanical Engineering**		
2	Number of Seats	60		
3	Duration	Four Year		
4	Cut-off Marks / Rank of Admission during last three year	2023-24	2024-25	2025-26
		92.93	96.86	97.89
5	Fees	166000/-	169000/-	192500/-
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	62	58	62
	Minimum salary	4	5	4.5
	Maximum salary	14.36	14.36	13.4
	Average salary	8.79	8.82	8.95

M.Tech Programmes

SN	Details			
1	Name of the Programme	**M.Tech. Electronics and Telecommunications Engineering Artificial Intelligence**		
2	Number of Seats	18		
3	Duration	Two Year		
4	Cut-off Marks / Rank of Admission during last three year	2023-24	2024-25	2025-26
		25.33	17.00	13.33
5	Fees	93,000/-	1,11,000/-	1,22,000/-
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	-	-	-
	Minimum salary	-	-	-
	Maximum salary	-	-	-
	Average salary	-	-	-

1	Name of the Programme	**M.Tech. Mechanical Engineering Design**		
2	Number of Seats	18		
3	Duration	Two Year		
4	Cut-off Marks / Rank of Admission during last three year	2023-24	2024-25	2025-26
		3.0	11.00	14.00
5	Fees	93,000/-	1,11,000/-	1,22,000/-
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	-	-	-
	Minimum salary	-	-	-
	Maximum salary	-	-	-
	Average salary	-	-	-

1	Name of the Programme	**M.Tech. Computer Engineering**		
2	Number of Seats	12		
3	Duration	Two Year		
4	Cut-off Marks / Rank of Admission during last three year	2023-24	2024-25	2025-26
		-	25.19	8.33
5	Fees	-	1,11,000/-	1,22,000/-
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	-	-	-
	Minimum salary	-	-	-
	Maximum salary	-	-	-
	Average salary	-	-	-

1	Name of the Programme	**M.Tech. VLSI & Embedded Systems**		
2	Number of Seats	12		
3	Duration	Two Year		
4	Cut-off Marks / Rank of Admission during last three year	2023-24	2024-25	2025-26
		-	-	12.67
5	Fees	-	-	1,22,000/-
6	Placement Facilities	College is having independent training and placement cell. To enhance the communication skills of the students College conduct the mandatory training to the students through employability enhancement program and garnishing talent. Companies visit to the college for campus placement. Infrastructure is provided to conduct the online tests as well as interviews.		
7	Campus Placement	2022-23	2023-24	2024-25
	Students placed	-	-	-
	Minimum salary	-	-	-
	Maximum salary	-	-	-
	Average salary	-	-	-

Name and duration of program (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: **- NA**

7 – Faculty

Branch wise list of faculty members	**www.cumminscollege.org** Department wise staff profile is on college website viz.
Permanent faculty	105
Total Faculty	134
Adjunct faculty (Visiting)	05
Permanent faculty: student ratio	1:22

8 Profile of the Principal/Faculty

Profile of Principal/Faculty	**www.cumminscollege.org** **Profile is** **on college website viz.**

9   Fees

1. Fees approved by State Fee Committee (Fee Regulating Authority)
   a.   U.G.- Rs.192500/- p.a. (Tuition Fee – 167391/-+Development Fee – 25109/-)
   b.   P.G. - Rs.122000/- p.a. (Tuition Fee – 106087/-+ Development Fee –15913/-)

2. Time schedule for payment of fee for the entire program
   At the beginning of the year / semester.

3. No. of Fee waivers granted with amount and name of students
   Tuition fee waiver is given to 109 students and SC, ST, NT1, NT2, NT3, VJ/DT, OBC, EBC, EWS, SEBC, SBC concession is given to approximately 1600 students as per DTE rules.

4. Number of scholarship offered by the Institution, duration and amount Partial concessions, scholarships, fee waivers are given by the trust to approximately for 110 students. Total financial assistance given is Rs.10,00,000/

5. Criteria for fee waivers/scholarship
   Fee waiver is as per DTE rules. Financial assistance is given to the needy students.

6. Estimated cost of Boarding and Lodging in Hostels
   Hostel Fee - Rs. 116692/- (Lodging and Boarding)

10 Admission
   i)   Number of seats sanctioned with the year of approval :

   No. of seats sanctioned - 600 + 60 +30

   Year of Approval   - 2025-26

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

Year	SC	ST	NT/VJ	OBC	SBC	OPEN
2020-21	42	12	37	100	11	417
2021-22	39	13	38	106	10	372
2022-23	48	10	46	132	13	379
2023-24	56	21	56	126	11	364
2024-25	51	21	45	131	9	371
2025-26	52	21	50	124	6	363

ii) Number of applications received during last two years for admission under Management Quota and number admitted

Year	Application Received	Admitted Student
2021-22	112	88
2022-23	127	95
2023-24	Seats surrender	Seats surrender
2024-25	185	120
2025-26	2404	120

11 Admission Procedure

As per the rules laid down by Admission Regulating Authority, CET Cell Maharashtra & Director of Technical Education Government of Maharashtra

11.1 Mentioned the admission test being followed, name and address of the test agency and its URL

Test being followed - MHT-CET, JEE
Name and address of the test agency - Maharashtra Government, CBSE
URL - www.mahacet.org
JEE - https://jeemain.nic.in

11.2 Number of seats allotted for different test qualified candidates separately (JEE/CET) : As per ARA / DTE rules.

11.3 Calendar for admission against management / vacant seats For Academic year 2023-24 these seats are surrender

As per the rules laid down by Admission Regulating Authority & Director of Technical Education Government of Maharashtra.

11.4 Last Date of request for application – As per ARA/CET cell rule 2025-26.

11.5 Last date of Submission of application - As per ARA/CET cell rule 2025-26.

11.6 Date of announcing the result –

11.7   Release of admission list - College website

11.8   Date for acceptance by the candidates - As per ARA/CET cell rule 2025-26.

11.9   Last date of closing the admission - As per ARA/CET cell rule 2025-26.

11.10 Starting of the academic session - As per ARA/CET cell rule 2025-26.

11.11 The policy for refund of fees, in case of withdrawal shall be clearly notified - As per ARA/CET cell rule 2025-26.

12 Criteria and Weightages for Admission
As per the rules laid down by Admission Regulating Authority & Director of Technical Education Government of Maharashtra.

13 List of Applicants
Admission Regulating Authority & Director of Technical Education regulates admission procedure. Applications are received by these authorities.

14 Results of Admission Under Management seats/Vacant seats
As per the rules laid down by Admission Regulating Authority & Director of Technical Education Government of Maharashtra procedure is followed. Admissions are approved by competent authority.

15 Information of Infrastructure and Other Resources Available
- **Number of Class Rooms and size of each :** 28 (Size as per AICTE norms)

- **Number of Tutorial rooms :** 7 (Size as per AICTE norms)

- **Number of Laboratories :** 52 (Size as per AICTE norms)

- **Number of Drawing Halls :** 2

- **Capacity of each**   50

- **Number of Computer Centers:** 2

- **Capacity of each:** 50

- **Central Examination Facility, Number of rooms and capacity of each:**

- **Number of rooms** - 2

- **Capacity of each**- 50

- **Barrier Free Built Environment for disabled and elderly persons** :

  Facilities are available for disabled and elderly persons. Barrier free built

  environment is provided.

- **Occupancy Certificate** : Available

- **Fire and Safety Certificate:** Certificates are received from competent

  authority

- **Hostel Facilities**: Hostel facility available for 1050 students.

- **Online examination facility** – (No. of Nodes, Internet Band width, etc.)

- **List of Experimental setup in each laboratory/workshop**. - As per AICTE /SPPU Norms

Department of Basic Sciences and Humanities

Chemistry Laboratory

List of Experimental Setup:

1. Determine Total hardness of water by EDTA Method (complexometric titration).

2. Determine Total alkalinity of sample water. [Expt. 1 & 2: Titration setup: burette, pipette, conical flak]

3. Predict spontaneity of a cell reaction by measuring EMF of cell and calculating Gibb's free energy as well as equilibrium constant.[Setup includes different metal strips and multi meter]

4. Determine Molecular weight of a Polymer by viscometry method.
[Setup includes Ostwald's viscometer]

5. Estimation of sodium from given solution using flame photometry.
[Setup includes Flame photometer]

6. Colorimetric estimation of $KMnO_4$ from solution.
[Setup includes single beam spectrophotometer/ colorimeter]

7. Determine moisture and ash content in coal sample by proximate analysis. [Setup includes Ostwald's viscometer]

8. Potentiometric estimation of acetic acid in vinegar.
[Setup includes potentiometer with two electrodes, burette, stirrer]

9. Estimation of acid from given sample using pH metry. [Setup includes pH meter with two electrodes, burette, stirrer]

- **List of Major Equipment:**

Sr. No.	Equipment	Quantity
1	Colorimeters	10
2	Digital conductivity meters	6
3	Distilled water plant	2
4	Electric oven	1
5	Electronic balance (portable)	1
6	Electronic balance	2
7	Muffle furnace	2
8	PH meters (pocket)	32
9	Ultrasonic bath (sonicator)	1
10	Centrifuge	1
11	Water bath	2
12	Digital Potentiometer with elerodes	6
13	Flame photometer	1

Physics Laboratory

List of Experimental Setup:

1. Polarization of light: Malus law

[Setup: Law of Malus setup, Digital Luxmeter]

2. Determination of Planck's constant by LED

method[Setup: Planck's constant by LED setup]

3. Diffraction Grating: Emission Spectra of Mercury

[Setup: Mercury Arc lamp, Spectrometer and student grating]

4. Magnetic Permeability of free space

[Setup: Variable DC Voltage Power supply, Hall probe, electromagnet and digital Gaussmeter]

5. Newton's rings

[Setup: Newton's rings arrangement, sodium vapour lamp and travelling microscope.]

6. Capacitance and dielectric constant of given

material[Setup: Dielectric constant kit]

7. I-V characteristics of LED

[Setup: Planck's constant by LED setup]

- **List of Major Equipment**

Sr. No.	Equipment	Quantity
1	Dielectric Constant Kit	2
2	Faraday's law & Induced emf	2
3	Polarization of Light	2
4	Michelson Interferometer	2
5	Planck's Constant by LED	2
6	Balmer Series & Emission Spectra	2
7	Specific Heat of Solids	2
8	B-H Curve Experiment	2
9	Dia, Para, Ferro Magnetism	2
10	Zeeman Effect	1
11	Cathode Ray Oscilloscope	5
12	Digital Gaussmeter	2
13	Hall Effect	4
14	Half Shade Polarimeter	3
15	Laser Expt. Set-up	4
16	Law of Malus Set-up	4
17	Michelson Interferometer	1
18	Newtons rings experiment	5
19	Signal Generator	6
20	Ultrasonic Interferometer	2

Basic Electrical & Electronics Engineering Laboratory

List of Experimental Setup:

1. Introduction of different electronics components and instruments.

[Apparatus: Various types of wires, switches, fuses, lamp holders, plugs, resistors, capacitors, inductors, Transformers, Connectors, Digital multimeters(DMM), Function Generators, Cathod Ray Oscilloscope(CRO)]

2. To determine output voltage and ripple voltage of half wave, full wave rectifier with center tap transformer and bridge rectifier with and without filter.

[Apparatus: Chassis of Rectifier, CRO, Probes, Multimeter, Patch cords].

3. Assemble and build simple DC regulated power supply

[Apparatus: Circuit Board (Rectifier), DMM, CRO, Rheostat, Breadboard, IC7812, Patch cords]

4. To determine frequency response of CE amplifier.

[Apparatus: Chassis, Function generator, DC Power supply, CRO, connecting patch-cords, Probes]

5. Assemble and build Half Adder Circuit & Full Adder circuit.

[Apparatus: Fixed 5V D.C. Supply, Circuit board with ICs 7486, 7408, 7432, patch cords.]

6. To perform Load test on single phase transformer to
determine regulation and efficiency

[Apparatus: Transformer -1 Ph,230V/110V,1 KVA, Ammeter,0-5A, 0-10 A Voltmeter, 0-300 V,0-150 V, Wattmeter 0-300 V, 5A, Lamp Bank]

7. To determine phase angle of L-C-R series circuit.

[Apparatus: Dimmerstat, Ammeter, Voltmeter, Inductive Coil Capacitor, Resistor.]

8. To perform electrical wiring to control lamps using one way and two-way switches

[Apparatus: Wiring Circuit Boards, Lamps, Patch cords]

9. To verify Thevenin's theorem & superposition theorem.

[Apparatus: DC power sources, DC ammeter, DC voltmeter, resistors, DC power source, digital multimeters, resistors.]

List of Major Equipment:

Sr. No.	Name of Equipment	Quantity
1.	DC shunt motor 1HP	3
2.	DC shunt motor-generator set 0.5 HP	1
3.	DC series motor-generator set 1HP	1
4.	3 ph alternator-DC compound motor set 3 kva	1
5.	3 ph induction motor -alternator set 1HP	1
6.	3 ph synchronus motor – DC compound motor set 3.5 kva	1
7.	motor-generator set 2 HP	1
8.	3 ph synchronus motor 3 HP	1
9.	Digital oscilloscope	1
10	AC Ammeter	31
11	DC Ammeter	18
12	AC Voltmeter	23
13	DC Voltmeter	14
14	Wattmeter	24
15	Transformer (1 KVA, 1-PH)	7
16	DC Power Supply	12
17	DC Power Supply(220v,10A)	1
18	Rheostat	49
19	Dimmerstat (1-Phase)	18
20	Dimmerstat (3-Phase)	2
21	Tachometer	10
22	Megger	2

Department of Electronics and Telecommunication Engineering

Laboratory Summary

Sr.No.	Name of Laboratory
1	Research Lab
2	Computer Lab-I
3	Computer Lab-II
4	Computer Lab-III
5	Computer Lab -IV
6	Project Lab
7	Basic Electronics Lab
8	Analog Lab
9	Power Lab
10	Fiber Optic Lab
11	Communication Lab -I
12	Communication Lab-II
13	Artificial Intelligence Lab (Exclusive For M.Tech)

1. Research Lab (LEC-I)

Hardware Configuration: Processor: Intel core i3, 3.30Ghz,500GB HD,4GB RAM
Intel core i7,8th Gen.,1TB HD, 4GB RAM Intel core i7,8th Gen.,1TB HD, 16 GB RAM
Printers :   Network Printer - 02

Software Installed   : Ubuntu , Eclipse, C++, Java(free software)

Utilization of Laboratory – Second Year Engineering Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
1. Data Structure and Algorithms (Second Year, B. Tech) 2. Fundamental Programming Language Lab (First Year, B.Tech)	Object Oriented Programming Lab (Second Year, B. Tech)

2. Computer Lab-I (LEC-II)

Hardware Configuration: Processor: Intel® Core™ i7-8700 CPU @ 3.20GHz × 12
Printers : Canon Network Printer - 01

Software Installed: Windows 10, Ms Office 365, Eclipse ,Ubuntu 18.04

Utilization of Laboratory – Second Year & Third Year Electronics & Telecommunication Engineering student

Courses Conducted in Semester -I	Courses Conducted in Semester -II
Digital Image Processing Lab (Third Year, B. Tech)	Machine Learning With Python Lab (Second Year , B. Tech)

3. Computer Lab-II (LEC-III)

Hardware Configuration: Processor: Intel Core -i7,8th gne-8700K@3.70GHzx12, 64 Bit
Printers :   Canon LPB 2900B Printer - 02
Software Installed: Windows10, MS Office365, Xilinx ISE 8.1, Xilinx ISE 14.1, Vivado, Mentor Graphics HEP- 2, Microwind ver-3, Microwind ver-3.9, Keil Ver-5, flash magic, SST
Utilization of Laboratory – Second year and Third year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
1. VLSI Design Technology Lab (Third Year , B. Tech) 2. Digital Circuit CMOS Design Lab Honor Course (Third Year, B.Tech)	1. Embedded Systems Lab (Second Year , B.Tech.) 2. Analog CMOS Mixed Signal Design Lab 3. Verification for Verilog Design Lab Honor Course (Third Year, B. Tech)

4. Computer Lab-III (LEC-IV)

Hardware Configuration: Processor: Intel i7 and intel i3, Printers : Canon Printer - 02
Software Installed: Windows 10 and Windows7 , Ms Office 365 and MS office10, Keil(license version on 13 computers), Proteus 8.16(5 Licenses with 5 dongles)
Utilization of Laboratory – Third Year and Second Year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
Advanced Processor Lab (Third Year, B. Tech)	Embedded Systems Lab (Second Year, B. Tech) RTOS (Third Year, B. Tech)

5. Computer Lab -IV (LEC-V)

Hardware Configuration: Processor: Intel core i3, 3.30Ghz,500GB HD,4GB RAM
Intel core i7,8th Gen.,1TB HD, 4GB RAM Intel core i7,8th Gen.,1TB HD, 16 GB RAM
Printers: Canon Laser Shot LBP - 01
Software Installed: Ms Office 365, Ms Office 7, Eclipse(Freeware) ,R Studio (Freeware), MATLAB R2021b, QGIS (Freeware) , Anaconda (Freeware)
Operating Systems : Windows 7 and Windows 10.
Utilization of Laboratory –Third Year and Final Year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II

1. Digital Signal Processing (Third Year , B. Tech) 2. Data Science, Honor Course (Third Year, B.Tech)	1. Remote Sensing Lab (Final Year, B.Tech) 2. Deep Learning (Third Year, B. Tech)

6. Project Lab (LEC- VI)

Hardware Configuration: Processor: i7, Printers : Nil

Software Installed: Windows 10, Ubuntu, Ms Office 365, MATLAB 2022b

Utilization of Laboratory – Third Year and Final Year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
1. Internet of Things (IoT) (Final Year, B. Tech) 2. Mechatronics (Third Year, B. Tech)	1. Robotics (Third Year , B.Tech) 2. Industrial Automation (Final Year, B.Tech)

7. Basic Electronics Lab (LEC-VII)

Hardware Configuration: Processor: —Printers : 01 Canon Network Printer

Software Installed: Windows 7, Ms Office 7, Eclipse, Fedora 20 , CUDA

Utilization of Laboratory – Second Year and third   Year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
Mini Projects (Third Year, B. Tech.)	Digital Electronics Lab (Second Year, B. Tech.)

8. Analog Lab (LEC-VIII)

Hardware Configuration: Processor:-   Intel core I3(5 nos.)I5(10 nos.) , 3.30Ghz ,500GB HD , 4GB RAM.

Operating Systems : Windows 7 and Windows 10.

Printers : Canon LBP 2900B, Quantity 01.

Software Installed: Windows 7, Windows 10 , Ms Office 10 , Ms Office 365, Multisim 11 and 13.0(LICENSE), Cisco Router (Freeware), Wire shark(Freeware).

Utilization of Laboratory –Second Year and Third Year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
Electronic Circuits and Applications Lab (Second Year, B.Tech)	Computer Network and Security Lab (Third Year, B.Tech)

9. Power Lab (LEC-IX)

Hardware Configuration:- Processor: - Intel core i3 , 3.30Ghz ,500GB HD , 4GB RAM.

Operating Systems : Windows 7 and Windows 10.

Printers :- 01 HP LASERJET Network Printer.

Software Installed:- Ms Office 10, Ms Office 365 Multisim 13.0(LICENSE), Cisco Router (Freeware), Wire shark(Freeware).

Utilization of Laboratory – Second Year and Third Year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
Electronic Circuits and Applications Lab (Second Year, B. Tech)	Computer Network and Security Lab (Third Year, B.Tech)

10. Fibre Optic Lab (LEC-X)

Hardware Configuration: Processor: Intel core i3, 3.30Ghz,500GB HD,4GB RAM

Printers :   Canon Printer - 02

Software Installed: Ms Office 365 and MS office10 , Keil(license version on 12 computers), Proteus 8.16 (5 Licenses with 5 dongles), Qual Net 6.1(Licensed), Flash Magic and SST Flash (Freeware)

Operating Systems : Windows 7 and Windows 10.

Utilization of Laboratory – Third Year and Final Year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
Advanced Processors Lab (Third Year, B. Tech)	Broadband Communication Systems Lab (Final Year, B. Tech)

11. Communication Lab -I (LEC-XI) (CT Lab)

Hardware Configuration: Processor: Intel core i7, 8th Gen.,1TB HD, 16 GB RAM Printers

: LaserJet pro Network Printer - 01

Software Installed: Ms Office 7, Eclipse, MATLAB 22

Utilization of Laboratory – Second Year Electronics & Telecommunication Engineering students

Courses Conducted in Semester -I	Courses Conducted in Semester -II
1. Mini Project (Third Year, B. Tech) 2. Signal and Systems (TUT) (Second Year, B. Tech)	1. Biomedical Electronics Lab (Third Year BTeach) 2. Microwave Engineering Lab (Final Year, B. Tech)

12. Communication Lab -II (LEC-XII) (TV Lab)

Hardware Configuration: Processor: Intel ^{R} Core ™ i3 4130 CPU @ 3.40 GHZ *4 Printers :
HP Laserjet 1020

Software Installed: **Software Installed**: Ubuntu 18.04, Ms Office 7, MATLAB 22

Utilization of Laboratory – Second Year and Final Year Electronics & Telecommunication Engineering students

Courses Conducted in Semester -I	Courses Conducted in Semester -II
1. Signals and Systems 2. Electronic Circuit and Application Lab (Second Year ,B.Tech)	Analog and Digital Communication Lab (Second Year, B. Tech)

13. Artificial Intelligence Lab (LEC-XIII) (Exclusive For M. Tech) Hardware

Configuration: Processor: —Printers : 01 Canon Network Printer **Software**

Installed: Windows 7, Ms Office 7

Utilization of Laboratory – Third Year and Final Year Electronics & Telecommunication Engineering students.

Courses Conducted in Semester -I	Courses Conducted in Semester -II
Digital Image Processing (T.Y B.Tech) C2S Project	1. Deep Learning Lab (honor course Third Year, B. Tech) 2. Big Data Analytics (honor course Third Year, B.Tech) 3. Deep learning (Third Year, B.Tech) M.Tech 1. Natural Language Processing Lab 2. Data Analytics 3. Deep learning Lab

(C2S Project lab)

Hardware Configuration: Processor: Intel Core -i7,12th gen , Printers - 01 Canon LBP 2900B Printer **Software Installed**: CENTOS, CADENCE, SYNOPSIS, SIEMENS, Windows10, MS Office 365, VIVADO, XILINX ISE 8.1, & XILINX ISE 14.1

Utilization of Laboratory –C2S project , Staff & Students Training

Courses Conducted in Semester -I	Courses Conducted in Semester -II
C2S project , Staff & Students Training	C2S project , Staff & Students Training

Major Equipment's:

Sr.No.	Equipments
1	Ni2 Logic Universal System
2	LAN-T Train
3	Sense Intelligent Panel 75‖ Mode sense Elite Panel 75'is processor 10 th generation RAM 1TB HDD 120 GB SSD sense Elite Panem 75'i5 processor, 10 th gen ,8GB RAM 1 TB HDD,120 GB SSD with License Microline India Pvt Ltd
4	MATRIX-II VLSI Protoboard Model-LGSP6
5	Zedboard zynq-7000 ARM/FPGA Development Board
6	Titan and Metis Board
7	ADSP Kit
8	DSP Trainer Kits
9	Logic Analyzer
10	Universal Source
11	DSO
12	6 ½ Digit Multimeter
13	Liquid flow measurement: Turbine flow meter
14	Electro Hydraulic Trainer
15	Electro Pneumatic Trainer
16	Signal generator
	Experimental kits
18	LVDT Trainer Kits, Digital IC Trainer Kits
19	RF Microwave Antenna kit
20	TF+TPCONPS CONTROL
21	Optical Fiber Trainers & Kits
22	Microstrip System Trainer 8501-300Mhz
23	Microwave Trainer Kits(02)
24	Satellite Communication Link

25	Licensed Softwares : Keil Vr. 5.0 for 12 Users Proteus Vr. 8.16 for 5 Users
27	Function Generator
28	Experiment Kits
29	Spectrum Analyser
30	Wobbuloscope, Wobbulator
31	RF Generator
32	DSP starter kit

Department of Computer Engineering

Laboratory Equipments

Sr.No	Laboratory Name	Equipment
1	Software Laboratory - I	Computer system, Printer, LCD, Kits, Graphics Card, Headset, Webcam
2	Software Laboratory - II	Computer system, Printer, LCD, Headset, Webcam
3	Software Laboratory - III	Computer system, Printer, LCD, Kits, Headset, Webcam
4	Software Laboratory - IV	Computer system, Printer, LCD, Headset, Webcam
5	Software Laboratory - V	Computer system, Printer, LCD, Kits, Server, Headset, Webcam
6	Software Laboratory - VI	Computer system, Printer, LCD, Headset, Webcam
7	Software Laboratory - VII	Computer system, Printer, LCD, Kits, Headset, Webcam
8	Software Laboratory - VIII	Computer system, Printer, LCD, Dell Workstation, Headset, Webcam
9	Software Laboratory - IX	Computer system, Printer, LCD, Kits, Headset, Webcam
10	Software Laboratory - X	Computer system, Printer, LCD, Kits, IBM Server, IBM SUR Server and Server Rack, Headset, Webcam
11	Project Facility	Computer system, Printer, LCD, Kits, Servers

Major Equipments on Laboratories

Sr.No.	Laboratory Name	Kits Name	Quantity
1	Softwae Laboratory-I	Beagle Bone Black	15
		Lift Elevator Cards	15
		Traffic Light Cards	15
		Stepper Motor	15
2	Software Laboratory - III	Kits (Raspberry Pi3 Development Boards) with wooden enclosure	15

		Camera Module Interface to Raspberry Pi3	15
		Sensor Interfacing Board	15
3	Software Laboratory - V		
		Raspberry Pi2 Model b	4
		Raspberry Pi3 Model b	5
4	Software Laboratory - VII		
		Oisis Metis Board	5
		OisisTritorn IDE Software	5
		Oisis Metis Board with IDE	5
		Oasis Arm Board	1
		Triton IDE editor ARM compiler Software	1
		Universal Programmer LABTOOL 48XP	1
		Digital Oscilloscope	1
		32 Bit CAN Controller with USB convertor	1
		E&A Emualator	2
		E&A Emualator	2
		E&A Emualator	1
		Master Slave controller boards(5) Display board(1) (Indicator Board (1)	7
		Master Slave controller boards with power supply	3
		VLSI Universal Trainer	3
		Explorer Boards	6
		Dynalog Educational Trainer kit	1
		Wavelet Group DSP	1
		DSP Experiment Software WG- DSP EXPT-1.0	1
		WG ADD PORT 1.1	1
5	Software Laboratory - IX		
		8086 (Page 56)	18
		SMPS-03 (Page 66)	
		SMPS-03 (Page 66)	23
		8086+SMPS (Page 56)	10
		8255 (Page 57)	5
		8255 (Page 57) C	15
		8251 (Page 58) D	5
		8253 (Page 59) E	5
		8259 (Page 60) F	5

		8279 (Page 61) G	5
		8051	8
		8251	5
		8251	12
		8253	5
		8253	12
		8259	5
		8259	12
		8279	5
		8279	12
		DAC	1
		DAC	5
		DAC WITH RELAY CARD	2
		RELAY CARD	1
		PARALLEL CENTRONICS CARDS	1
		PROGRAMMABLE I/O CARD	1
		NEW DAC KITS	5
			3
		ADC	5
		A TO D CONVERTER	1
		A TO D CONVERTER	1
		ADC CARD-7109	1
		A TO D CONVERTER	3
		ADC	10
		SMPS-01	7
		SMPS-01	9
		Stepper motor+Kit+SMPS	8
		Stepper motor+Kit+SMPS	15
		8051	15
		SMPS-03	15
			2
			2
		LCI	
		PC XPLORER KITS	9
			1
		CRO	3
			2
		DUAL POWER SUPLY	2

			1
		MULTIMETER	1
		8051 KITS	7
		8051 KITS	4
			1
		PARALLEL CENTRONIC CARDS	25
		8086KITS+SMPS	12
6	Software Laboartory - X	LAN Trainer kit	2
		I-securit	2
		Optical Fiber trainer kit	1
		Digisol (ranger series) access points	2
		Beagle bone board black with LCD and Camera	2
7	Project Facility	Digital Board With Cabinet	9
		Digital Board With Power Supply	7
		Digital Board Without Power Supply	25
		Digital Board With Power Supply	20

<u>Department Instrumentation & Control Engineering</u>

List Major Equipment List
1) Digital Signal Processing Lab

Sr.No	Item	Quantity
1	Computers	22 Nos(Intel® Core™ i7 10700 CPU @ 2.9 GHz, 8-GBRAM,)
2	LCD Projectors	1Nos
3	Network Printers	2 Nos
4	Texas DSP Starter Kit	6 Nos

2) Embedded System Lab

Sr.No.	Experimental Setup list	Quantity
1	Computers	23 Nos
2	UPS	1 Nos
3	LCD Projectors	1 Nos
4	Network Printers	2 Nos
5	5 in 1 test labs	5 Nos
6	DSO + waveform generators	5 Nos
7	AVR 8535 trainer kits-	12 Nos
8	IoT development kits	2 Nos

3) Process Lab

Sr.No.	Experimental Setup list
1	Dead weight pressure gauge tester
2	Vacuum gauge tester
3	RTD and Thermistor sensor
4	Thermocouple sensor
5	Air purge probe/capacitive for Level sensor
6	Rotameter, orifice and Electromagnetic flow meter,vortex flow meter
7	Red wood Viscometer.
8	Water level measurement using Piezoresistive MEMS sensor.
9	Cantilever beam/load cell.
10	Speed sensor
11	LVDT
12	Computers (3 no.s)

Major Equipment List

Sr.No.	Item
1	Level and flow pilot plant
2	PLC with control panel,
3	Ultrasound Equipment
4	Flow loop
5	Steam and Water Analysis System Panel
6	Distillation Column
7	Heat Exchanger
8	Radar tank Level Gauge
9	Building Automation Setup.

Automation Lab Major Equipment List

Sr.No.	Item
1	One Main Control Panel with MDPLUS DCS controller, 16 Analog Inputs (HART supported), 8 Analog outputs ((HART supported). 8 Discrete Inputs, 8 Discrete outputs, Two port H1Fieldbus card and 2 port serial communication card.
2	One Precision 5820XL, Tower Dual/ Quad Monitor Workstation with DeltaV 14.0
3	Three Optiplex 3050 small Factor Tower Single Monitor Workstations DeltaV 14.0
4	Three panels for IO distribution

Biomedical Lab

Sr.No.	Experimental Setup list
1	Bedside Monitor
2	Infusion pump
3	Electro surgical unit
4	Defibrillator

Major Equipment List

Sr.No.	Item
1	ECG Machine
2	Bio signal Test Station
3	Bedside Monitor
4	Phonocardiograph,
5	Audiometer
6	Power lab advance teaching scheme for Biomedical engineering : 3 units
7	EEG Machine
8	Digital storage oscilloscope: 1 unit
9	Ultrasound scanner
10	Thermal Camera
11	Logic Analyser
12	Digital storage oscilloscope : 2 units
13	Ni Elvis LabView System

Project Lab

Sr.No	Experimental Setup list
1	CNC milling/drilling machine
2	Intel core PCs Tektronix DSOs
3	9-in-1 test labs
4	Universal calibrators
5	PCB drilling machine
6	Temperature controlled soldering stations and de- soldering stations
7	Presentation projector-tool
8	Optical encoders
9	Danfoss VFD with motor
10	PMDC motor with drive
11	Digital dial gauges
12	Proximity switches
13	Linear potentiometric sensors
14	Universal programmer, in-circuit emulator

Control System Lab
Major Equipment List

Sr.No	Item	Quantity
1	Computers :	22 Intel® Core™ i3-4150 CPU @ 3.50GHz × 4 8-GB RAM, 500 GB HDD, 18.5‖ Monitor , DVD writer
2	Printers:	1 No
3	UPS:	1 No.
4	LCD Projectors:	1 No.
5	Softwares	MATLAB 2010a, C, Python, Lab View, VILab

Analytical Instrumentation Lab Major Equipment List

Sr.No.	Item
1	Spectrophotometer
2	Spectrofluorophotometer
3	Flame photometer
4	Photo colorimeter
5	Optical densitometer

Electronics Lab

Sr.No	Experimental Setup list
1	CRO
2	Power Supplies
3	Signal Generator
4	Pulse Generator
5	Function Generators
6	Universal Counter
7	Digital Multimeter
8	LCR meter
9	DSO
10	9 in 1
11	5 in 1
12	Arbitrary Waveform Generator

PEM Lab

Sr.No	Experimental Setup list
1	Analyze the Process Flow Diagram for the given process
2	Analyze the given P & ID
3	Prepare an Instrument Index sheet
4	Prepare specification sheet for the instruments
5	Analyze a loop wiring diagram for a given control loop

Major Equipment List

Sr.No	Item	Quantity
1	Computers :	21 Intel® Core™ i3-4150 CPU @ 3.50GHz × 4 8-GBRAM, 500 GB HDD, 18.5‖ Monitor , DVD writer
2	Printers:	2 No
3	UPS	1 No.
5	Softwares	Comsol Multiphysics 6.2@,Proteus,E draw

Dark Room
Major Equipment List

Sr.No	Item
1	Optical test bench with mounts
2	Optical power meter with 3 photo detectors
3	Optical time domain reflectometer (OTDR)
4	Optical sources-He-Ne lasers, Nd-YAG Laser, Argon laser
5	Monochromator

Department of Information Technology

Major Equipments 2023-24

Sr.No.	Dead stockno	Description	Location	Cost
1	CCOEW/IT/03-17/8-1-35/01-01	UPS batteries	Lab 7	64000
2		Computer- themvp, tactsuit with gloves & mesh lining, VR headset, hololens headset	Lab 1	1426882
3		AMD Ryzen 9 7900 x processor,32GB DDR5 RAM, SSD 1TB, Nvidia GFX 24 GB DDR5	Lab 2	405931
4		EPSON multifunction injet printer	Lab 2	21779
5		HP Lasetjet pro MFP-M-126Amultifunction printer	Lab 1	18300
6		HP i7 12600 IntelCore processor, 16GB RAM, 512 GB SSD	Lab 9	1682100
7		Curved Monitor	Lab 1	20000

Department of Mechnical Engineering

Major Equipment and Laboratory Experiments List

Sr. No.	Name of the Laboratory	Name of the Important Equipment	Laboratory Experiments
1.	Workshop	1) CNC (Trainer) Machine	1. A demonstration of any one welding technique out of TIG/ MIG/Resistance/Gas welding. A job drawing to be prepared by an individual institute with details of welding process parameters with weld joint design such as edge preparation, type and size of electrode used, welding current, voltage etc

		2) Radial Drilling Machine	2. Demonstration of the usage of manufacturing processes like casting, forging, sheet metal.
		3) Milling Machine	3. Manufacturing of Fibre-reinforced Composites by hand lay-up process or spray lay-up techniques.
		4) Shaping Machine	4. Demonstration on grinding operations, measurement of surface roughness produced and estimation of machining time.
2.	Metallurgy Lab	1) Computerized Universal Testing Machine	Tension, hardness and Impact tests.
		2) Metallurgical Microscope VMM4 with computer interference	Study of microstructures of ferrous and non ferrous metals and alloys
		3) Vickers Cum Brinell Hardness Tester	Dye Penetrant Test
		4) Ultrasonic Flaw Detector	Metallographic prearation of specimen
		5) Impact testing m/c	Metallurgical Microscope
		6) Muffle Furnace	Metallography Sheet
		7) Pin on Disc Maachine	
3.	Refrigeration & Air Conditioning	1)Vapor Absorption Refrigeration Tutor	Trial on vapor compression test rig.
		2)Air Conditioning Tutor	Trial on ice plant test rig.
		3)Ice Plant Tutor	Trial on air conditioning test rig.
		4) Air Compressor Test Rig	Trial on two stage reciprocating air compressor.
4.	IC Engine Lab	4)Computerized 4 Cylinder, 4 Stroke Turbo, CRDI Diesel Engine	Study and trial on petrol engine.
		5)Computerized VCR Engine Setup with Diesel Injection Pressure Sensor	Study and trial on Diesel engine
		6)ISF 3.8, B-Series 4 stroke, 4 Cylinder Diesel Engine (Skill Development Practical) 7)Turn over device	Verification of the impulse mementum principle using flat and curved vones
5.	Heat Transfer Lab	1) Composite Wall Apparatus	Determination of heat transfer coefficient in Natural Convention
		2) Critical Heat Flux Apparatus	Determination of heat transfer coefficient in Forced Convention
		3) Stefan Boltzmann Apparatus	Determination of Emissivity of a Test surface
6.	Fluid Mechanics Lab	1)Reynolds Apparatus	1.Measurement of Viscosity and Sp. Gravity
		2)Bernoulli`s Theorem Apparatus	2.Measurement of Pressure and velocity
		3)Redwood Viscometer	3.Measurement of coefficient of orifice
		4)Ventury and Orifice meter Apparatus	4.Flow visualization using Reynolds Apparatus

		5) Fluid Property Sensor	5.Measurement of coefficient of friction in pipe
7.	Metrology & Quality Control	1) Profile Projector	Verification of dimensions & geometry of given components using Mechanical comparator.
		2)Floating Carriage Micrometer	Machine tool alignment testing on machine tool- Lathe/ Drilling/ Milling
		3)Tool Makers Microscope	Measurement of linear and angular dimensions using standard measuring instruments.
		4)Vernier Height Gauge	Error determination of linear / angular measuring instruments and determination of linear and angular dimensions of given part MSA (Gauge R & R)
		5)Monochromatic Light Source Unit	Determination of given geometry using coordinate measuring machine (CMM)
8.	Turbo Machines Lab	1) Centrifugal Pump Test Rig (6-1-31)	Verification of impulse moment principle using impact of jet on curved vane
		2) Francis Turbine Test Rig 1 KW Capacity	Study and constant head trial on any hydraulic reaction turbine and plotting of main and operating characteristics
		3)Electrohydraulic & Electro Pneumatic Trainer Kit	Study and trial on centrifugal pump and plotting operating characteristics Study and trial of rotary compressors.
		4)Gear Pump Test Rig	Study and constant head trial on impulse water turbine (Pelton wheel) and plotting of main and operating characteristics
		Transparent Hydraulic Trainer Kit	
		5)Axial Piston Pump	
		6)Steering Control Unit	
		7)Load Sense Sectional Mobile Valve	
		8)Geroler Motor	
		9) Compressio Moulding Hydrulic Press	
9.	Automation and Control Engineering	1)Temperature Control Trainer	Study of Basic circuits using Hydraulics Trainer Kit
		2)Two Channel Hotwire Anemometer.	Study of Basic circuits using Pneumatics Trainer Kit
		3)Plc Trainer Kit Automation Studio Version 6.1	Analyze Hydraulic circuit(s) and simulate for different working conditions
10.	Computer Center	1)Computers (75 Nos.) -Equipped with Latest Configuration	Program to formulate a static structural analysis of stepped bar/beams
		2)All Computers Are Connected to the Internet.	Static structural analysis of stepped bar/beam using FEA Tool
		3)HP Printers	Static structural analysis of any mechanical components using 3D elements

		4)LCD Projectors	Assignment on drawing IS conventions, threaded fasteners and riveted joints using the basics of projections and dimensioning rules. (to be completed manually)
			Assignment on creating production drawing with the limit, fits and tolerance representation.
			Write a program on projectile motion
			Assignment on assembly modeling using proper mating conditions and generation of exploded view. (minimum 5 assemblies)
11.	Theory of Machines Lab	1)Epicyclic Gear Train 2)CAM Analysis 3)Gyroscope 4)Multiple Signal Oscilloscope 5)Arbitrary Function Generator	Epicyclic Gear Train Cam Jump Phenomenon Gyroscopic Principle
12.	Dynamics Of Machinery	1) Vib Lab 2) Four Chancel FFT Analyser 3) 3-Axis Accelerometer, 4) Microphone 5) Modal Analysis Impact Hammer 6) Computerized Wheel Balancing Machine	Design process, design considerations, standards in design Engineering materials, their features, applications and selection Manufacturing and assembly considerations in design
13.	Center of Research and Intellectual Entrepreneurship (CeRIE)	1) 30 Lenovo P320 Series Think Station, 16 GB RAM Software	Forward kinematics and validation using suitable software (Robo Analyser/ MatLab or any other free software tool).
		2) Ansys Simulation Software	A computer program for stress analysis of beam using linear and quadratic elements
		3) Creo- modeling software	Finite Volume Method code for two-dimensional conduction problem.
		4) HP Printer A3 706N	Lid driven cavity problem using Ansys Fluent
			A computer program for 1-D temperature analysis for heat transfer problem
			Demonstration and study of NSE Solver

- o **List of Major Equipment/facility in each Laboratory/workshop**. - As per AICTE /SPPU Norms
- o **Compliance of Academic bank of credit (ABC)- All Student ABC ID Generated and the credit transfer procedure is in process.**
- o **To Upload the respective short video (1-2 min) of infrastructure and facilities available w.e.f the courses in the website.**

Library

- **Number of Library books/ Titles/ Journals available (program-wise)**

S.N.	Course	Total Number of Titles	Total Number of Volumes	Number of Journals Published in India
1	Electronics & Telecommunication	3593	19200	15
2	Computer Engineering	3900	17829	12
3	Instrumentation & Control	2337	8637	09
4	Information Technology	2112	6513	07
5	Mechanical Engineering	1277	5121	12
6	Basic Sciences & Humanities Department	1727	7159	05
7	Others	4501	5450	09
	Total	**19447**	**69909**	**69**

List of Journals Published in India –

List of Journals Published in India - 2025

Sr.No.	Name of the Journal
1	Indian Journal of Pure and Applied Mathematics
2	Indian Journal of Information Technology and Computer Engineering
3	ICTACT Journal of Image and Video Processing (IJIVP)
4	ICTACT Journal on Microelectronics (IJME)
5	ICTACT Journal on Soft Computing (IJSC)
6	ICTACT: Journal on Communication Technology (IJCT)
7	Journal of Engineering Education Transformations
8	IETE Journal of Education
9	IETE Journal Of Research
10	IETE Technical Review
11	i-manager's Journal on Pattern Recognition
12	Indian Foundry Journal
13	Indian Journal of Advances in Communication Engineering
14	Indian Journal of Applied Engineering Research
15	Indian Journal of Biochemistry and Biophysics
16	Indian Journal of Computer Engineering and Technology
17	Indian Journal of Data Mining & Warehouse
18	Indian Journal of Digital Information Technology
19	Indian Journal of Engineering and Materials Sciences
20	Indian Journal of Image Processing and Technique
21	Indian Journal of Marketing

22	Indian Journal of Modern Software Engineering
23	Indian Journal of VLSI Design
24	Indian Journal of Wireless and Mobile Communications
25	Indian Welding Journal
26	Industrial Engineering Journal
27	Industrial Product Finder
28	International Journal of Advances in Embedded Systems Research
29	International Journal of Applied and Computational Mathematics
30	International Journal of Artificial Intelligence (New)
31	International Journal of Computer Networks and Communications
32	International Journal of Information Technology(IJIT)
33	International Journal of Materials Engineering and Technology
34	International Journal of Mechanical Engineering And Technology (IJMET)
35	International Journal of Systems Assurance Engineering and Management
36	International Journal of Vehicle Structures and Systems
37	IOSR Journal of VLSI and Signal Processing
38	Journal of Neural Computing Systems
39	Journal of BioFuels
40	Journal of Computational Intelligence in Bioinformatics
41	Journal of Creative Communications
42	Journal of Institution of Engineers (India): Series B
43	Journal of Intellectual Property Rights
44	Journal of Optics (India)
45	Journal of Scientific And Industrial Research
46	Journal of the Indian Institute of Science
47	Journal of the Indian Mathematical Society
48	Journal of the Indian Society of Remote Sensing
49	Journal of The Institution of Engineers (India): Series A
50	Journal of The Institution of Engineers (India): Series C
51	Journal of The Institution of Engineers (India): Series D
52	Journal of the Ramanujan Mathematical Society
53	JP Journal of Heat and Mass Transfer
54	MAPAN-Journal of Metrology Society of India
55	Science, Technology and Society
56	Current Science
57	Defence Science Journal
58	Shaastra
59	Data Quest

60	Electronics For You
61	National Geographic
62	Down To Earth
63	Yojana
64	Out Look
65	Readers Digest
66	The Week
67	India Today
68	Dalal Street Investment Journal
69	University News

IEEE ASPP Titles List - 2025

Sr.No.	Title
1	Bell Labs Technical Journal
2	China Communications
3	Computer
4	Computing in Science & Engineering
5	IEEE Aerospace and Electronic Systems Magazine
6	IEEE Annals of the History of Computing
7	IEEE Antennas and Propagation Magazine
8	IEEE Antennas and Wireless Propagation Letters
9	IEEE BITS the Information Theory Magazine
10	IEEE Canadian Journal of Electrical and Computer Engineering
11	IEEE Circuits and Systems Magazine
12	IEEE Cloud Computing
13	IEEE Communications Letters
14	IEEE Communications Magazine
15	IEEE Communications Standards Magazine
16	IEEE Communications Surveys & Tutorials
17	IEEE Computational Intelligence Magazine
18	IEEE Computer Architecture Letters
19	IEEE Computer Graphics and Applications
20	IEEE Consumer Electronics Magazine
21	IEEE Control Systems

22	IEEE Control Systems Letters
23	IEEE Design & Test
24	IEEE Design & Test of Computers
25	IEEE Electrical Insulation Magazine
26	IEEE Electrification Magazine
27	IEEE Electromagnetic Compatibility Magazine
28	IEEE Electron Device Letters
29	IEEE Electron Devices Magazine
30	IEEE Electron Devices Reviews
31	IEEE Embedded Systems Letters
32	IEEE Engineering in Medicine and Biology Magazine
33	IEEE Engineering Management Review
34	IEEE Geoscience and Remote Sensing Letters
35	IEEE Geoscience and Remote Sensing Magazine
36	IEEE Industrial Electronics Magazine
37	IEEE Industry Applications Magazine
38	IEEE Instrumentation & Measurement Magazine
39	IEEE Intelligent Systems
40	IEEE Intelligent Transportation Systems Magazine
41	IEEE Internet Computing
42	IEEE Internet of Things Journal
43	IEEE Internet of Things Magazine
44	IEEE Journal of Biomedical and Health Informatics
45	IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology
46	IEEE Journal of Emerging and Selected Topics in Industrial Electronics
47	IEEE Journal of Emerging and Selected Topics in Power Electronics
48	IEEE Journal of Oceanic Engineering
49	IEEE Journal of Photovoltaics
50	IEEE Journal of Quantum Electronics

51	IEEE Journal of Radio Frequency Identification
52	IEEE Journal of Selected Topics in Quantum Electronics
53	IEEE Journal of Selected Topics in Signal Processing
54	IEEE Journal of Solid-State Circuits
55	IEEE Journal on Emerging and Selected Topics in Circuits and Systems
56	IEEE Journal on Flexible Electronics
57	IEEE Journal on Miniaturization for Air and Space Systems
58	IEEE Journal on Multiscale and Multiphysics Computational Techniques
59	IEEE Journal on Selected Areas in Communications
60	IEEE Journal on Selected Areas in Information Theory
61	IEEE Letters of the Computer Society
62	IEEE Letters on Electromagnetic Compatibility Practice and Applications
63	IEEE Magnetics Letters
64	IEEE Micro
65	IEEE Microwave and Wireless Components Letters
66	IEEE Microwave and Wireless Technology Letters
67	IEEE Microwave Magazine
68	IEEE MultiMedia
69	IEEE Nanotechnology Magazine
70	IEEE Network
71	IEEE Networking Letters
72	IEEE Pervasive Computing
73	IEEE Photonics Technology Letters
74	IEEE Power and Energy Magazine
75	IEEE Power Electronics Magazine
76	IEEE Pulse
77	IEEE Reliability Magazine
78	IEEE Reviews in Biomedical Engineering

79	IEEE Revista Iberoamericana de Tecnologias del Aprendizaje
80	IEEE Robotics & Automation Magazine
81	IEEE Robotics and Automation Letters
82	IEEE Robotics and Automation Practice
83	IEEE Security & Privacy
84	IEEE Sensors Journal
85	IEEE Sensors Letters
86	IEEE Signal Processing Letters
87	IEEE Signal Processing Magazine
88	IEEE Software
89	IEEE Solid-State Circuits Letters
90	IEEE Solid-State Circuits Magazine
91	IEEE Systems Journal
92	IEEE Systems, Man, and Cybernetics Magazine
93	IEEE Technology and Society Magazine
94	IEEE Technology Policy and Ethics
95	IEEE Transactions on Advanced Packaging
96	IEEE Transactions on Aerospace and Electronic Systems
97	IEEE Transactions on Affective Computing
98	IEEE Transactions on AgriFood Electronics
99	IEEE Transactions on Antennas and Propagation
100	IEEE Transactions on Applied Superconductivity
101	IEEE Transactions on Artificial Intelligence
102	IEEE Transactions on Audio, Speech and Language Processing
103	IEEE Transactions on Audio, Speech, and Language Processing
104	IEEE Transactions on Automatic Control
105	IEEE Transactions on Automation Science and Engineering
106	IEEE Transactions on Autonomous Mental Development
107	IEEE Transactions on Big Data
108	IEEE Transactions on Biomedical Circuits and Systems
109	IEEE Transactions on Biomedical Engineering

110	IEEE Transactions on Biometrics, Behavior, and Identity Science
111	IEEE Transactions on Broadcasting
112	IEEE Transactions on Circuits and Systems for Artificial Intelligence
113	IEEE Transactions on Circuits and Systems for Video Technology
114	IEEE Transactions on Circuits and Systems I: Regular Papers
115	IEEE Transactions on Circuits and Systems II: Express Briefs
116	IEEE Transactions on Cloud Computing
117	IEEE Transactions on Cognitive and Developmental Systems
118	IEEE Transactions on Cognitive Communications and Networking
119	IEEE Transactions on Communications
120	IEEE Transactions on Components and Packaging Technologies
121	IEEE Transactions on Components, Packaging and Manufacturing Technology
122	IEEE Transactions on Computational Biology and Bioinformatics
123	IEEE Transactions on Computational Imaging
124	IEEE Transactions on Computational Intelligence and AI in Games
125	IEEE Transactions on Computational Social Systems
126	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems
127	IEEE Transactions on Computers
128	IEEE Transactions on Consumer Electronics
129	IEEE Transactions on Control of Network Systems
130	IEEE Transactions on Control Systems Technology
131	IEEE Transactions on Cybernetics
132	IEEE Transactions on Dependable and Secure Computing
133	IEEE Transactions on Device and Materials Reliability
134	IEEE Transactions on Dielectrics and Electrical Insulation
135	IEEE Transactions on Education
136	IEEE Transactions on Electromagnetic Compatibility
137	IEEE Transactions on Electron Devices
138	IEEE Transactions on Electronics Packaging Manufacturing

139	IEEE Transactions on Emerging Topics in Computational Intelligence
140	IEEE Transactions on Emerging Topics in Computing
141	IEEE Transactions on Energy Conversion
142	IEEE Transactions on Energy Markets, Policy and Regulation
143	IEEE Transactions on Engineering Management
144	IEEE Transactions on Evolutionary Computation
145	IEEE Transactions on Field Robotics
146	IEEE Transactions on Fuzzy Systems
147	IEEE Transactions on Games
148	IEEE Transactions on Geoscience and Remote Sensing
149	IEEE Transactions on Green Communications and Networking
150	IEEE Transactions on Haptics
151	IEEE Transactions on Human-Machine Systems
152	IEEE Transactions on Image Processing
153	IEEE Transactions on Industrial Cyber-Physical Systems
154	IEEE Transactions on Industrial Electronics
155	IEEE Transactions on Industrial Informatics
156	IEEE Transactions on Industry Applications
157	IEEE Transactions on Information Forensics and Security
158	IEEE Transactions on Information Technology in Biomedicine
159	IEEE Transactions on Information Theory
160	IEEE Transactions on Instrumentation and Measurement
161	IEEE Transactions on Intelligent Transportation Systems
162	IEEE Transactions on Intelligent Vehicles
163	IEEE Transactions on Knowledge and Data Engineering
164	IEEE Transactions on Learning Technologies
165	IEEE Transactions on Magnetics
166	IEEE Transactions on Materials for Electron Devices
167	IEEE Transactions on Medical Imaging
168	IEEE Transactions on Medical Robotics and Bionics
169	IEEE Transactions on Microwave Theory and Techniques

170	IEEE Transactions on Mobile Computing
171	IEEE Transactions on Molecular, Biological, and Multi-Scale Communications
172	IEEE Transactions on Multi-Scale Computing Systems
173	IEEE Transactions on Multimedia
174	IEEE Transactions on NanoBioscience
175	IEEE Transactions on Nanotechnology
176	IEEE Transactions on Network and Service Management
177	IEEE Transactions on Network Science and Engineering
178	IEEE Transactions on Neural Networks
179	IEEE Transactions on Neural Networks and Learning Systems
180	IEEE Transactions on Nuclear Science
181	IEEE Transactions on Parallel and Distributed Systems
182	IEEE Transactions on Pattern Analysis and Machine Intelligence
183	IEEE Transactions on Plasma Science
184	IEEE Transactions on Power Delivery
185	IEEE Transactions on Power Electronics
186	IEEE Transactions on Power Systems
187	IEEE Transactions on Professional Communication
188	IEEE Transactions on Radar Systems
189	IEEE Transactions on Radiation and Plasma Medical Sciences
190	IEEE Transactions on Reliability
191	IEEE Transactions on Robotics
192	IEEE Transactions on Semiconductor Manufacturing
193	IEEE Transactions on Services Computing
194	IEEE Transactions on Signal and Information Processing over Networks
195	IEEE Transactions on Signal and Power Integrity
196	IEEE Transactions on Signal Processing
197	IEEE Transactions on Smart Grid
198	IEEE Transactions on Software Engineering

199	IEEE Transactions on Sustainable Computing
200	IEEE Transactions on Sustainable Energy
201	IEEE Transactions on Systems, Man, and Cybernetics - Part A: Systems and Humans
202	IEEE Transactions on Systems, Man, and Cybernetics, Part B (Cybernetics)
203	IEEE Transactions on Systems, Man, and Cybernetics, Part C (Applications and Reviews)
204	IEEE Transactions on Systems, Man, and Cybernetics: Systems
205	IEEE Transactions on Technology and Society
206	IEEE Transactions on Terahertz Science and Technology
207	IEEE Transactions on Transportation Electrification
208	IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control
209	IEEE Transactions on Vehicular Technology
210	IEEE Transactions on Very Large Scale Integration (VLSI) Systems
211	IEEE Transactions on Visualization and Computer Graphics
212	IEEE Transactions on Wireless Communications
213	IEEE Vehicular Technology Magazine
214	IEEE Wireless Communications
215	IEEE Wireless Communications Letters
216	IEEE/ACM Transactions on Audio, Speech, and Language Processing
217	IEEE/ACM Transactions on Computational Biology and Bioinformatics
218	IEEE/ACM Transactions on Networking
219	IEEE/ASME Transactions on Mechatronics
220	IEEE/CAA Journal of Automatica Sinica
221	IT Professional
222	Journal of Display Technology
223	Journal of Lightwave Technology
224	Journal of Microelectromechanical Systems

225	Journal of Optical Communications and Networking

Elsevier Engineering and Computer Science e-Journals List of Titles - 2025

Sr. No.	Title
1	Solid-State Electronics
2	Control Engineering Practice
3	Transportation Research Part C: Emerging Technologies
4	Engineering Failure Analysis
5	International Journal of Mechanical Sciences
6	International Communications in Heat and Mass Transfer
7	International Journal of Heat and Mass Transfer
8	Journal of the Mechanics and Physics of Solids
9	International Journal of Multiphase Flow
10	Information Systems
11	Information Processing & Management
12	International Journal of Rock Mechanics and Mining Sciences
13	International Journal of Machine Tools and Manufacture
14	Energy Conversion and Management
15	Automatica
16	Microelectronics Reliability
17	International Journal of Engineering Science
18	Computerized Medical Imaging and Graphics
19	Building and Environment
20	International Journal of Solids and Structures
21	International Journal of Non-Linear Mechanics
22	Computers & Operations Research
23	Computers & Mathematics with Applications
24	Journal of Terramechanics
25	Mechanism and Machine Theory
26	Applied Clay Science
27	Acta Astronautica

28	Ocean Engineering
29	Journal of Biomechanics
30	Engineering Fracture Mechanics
31	Pattern Recognition
32	Journal of the Franklin Institute
33	Accident Analysis & Prevention
34	Computers & Chemical Engineering
35	Big Data Research
36	Computers in Biology and Medicine
37	Cement and Concrete Research
38	Computers & Structures
39	Computers & Fluids
40	Computers & Electrical Engineering
41	Computers & Graphics
42	Mechanics Research Communications
43	Computational Biology and Chemistry
44	Computers & Geosciences
45	Computers & Industrial Engineering
46	Progress in Aerospace Sciences
47	Annual Reviews in Control
48	Progress in Energy and Combustion Science
49	Transportation Research Part A: Policy and Practice
50	Applied Thermal Engineering
51	World Patent Information
52	Journal of Safety Research
53	International Journal of Impact Engineering
54	Telematics and Informatics
55	Robotics and Computer-Integrated Manufacturing
56	Computers in Human Behavior
57	International Journal of Plasticity
58	Tunnelling and Underground Space Technology
59	Neural Networks
60	Applied Mathematics Letters
61	Mechatronics

62	Expert Systems with Applications
63	Information and Organization
64	Renewable Energy
65	Engineering Applications of Artificial Intelligence
66	Composites Part B: Engineering
67	Materials Science in Semiconductor Processing
68	Computers in Industry
69	Nonlinear Analysis: Real World Applications
70	Advances in Engineering Software
71	Applied Acoustics
72	Applied Energy
73	Applied Ocean Research
74	Advanced Engineering Informatics
75	Cement and Concrete Composites
76	Computers and Geotechnics
77	Composite Structures
78	Composites Science and Technology
79	Dyes and Pigments
80	Engineering Analysis with Boundary Elements
81	Environmental Modelling & Software
82	Fire Safety Journal
83	Geotextiles and Geomembranes
84	International Journal of Pressure Vessels and Piping
85	Journal of Constructional Steel Research
86	Marine Structures
87	Optics and Lasers in Engineering
88	Ocean & Coastal Management
89	Probabilistic Engineering Mechanics
90	Reliability Engineering & System Safety
91	Soil Dynamics and Earthquake Engineering
92	Thin-Walled Structures
93	Biosensors and Bioelectronics
94	Energy Research & Social Science
95	Computer Law & Security Review

96	Journal of Industrial Information Integration
97	Journal of Manufacturing Systems
98	Microelectronics Journal
99	Materials Today
100	Journal of Fluids and Structures
101	Computers & Security
102	Journal of Manufacturing Processes
103	Journal of Information Security and Applications
104	Additive Manufacturing
105	Nonlinear Analysis
106	Applied Ergonomics
107	Biomaterials
108	Composites Part A: Applied Science and Manufacturing
109	Computer-Aided Design
110	Construction and Building Materials
111	Design Studies
112	Engineering Structures
113	Flow Measurement and Instrumentation
114	International Journal of Adhesion and Adhesives
115	International Journal of Electrical Power & Energy Systems
116	International Journal of Fatigue
117	International Journal of Project Management
118	International Journal of Refrigeration
119	Journal of Loss Prevention in the Process Industries
120	Journal of Process Control
121	Marine Policy
122	The Electricity Journal
123	Medical Engineering & Physics
124	NDT & E International
125	Optics & Laser Technology
126	Computers, Environment and Urban Systems
127	Telecommunications Policy
128	Tribology International
129	Biomedical Signal Processing and Control

130	Forensic Science International: Digital Investigation
131	Acta Biomaterialia
132	Proceedings of the Combustion Institute
133	Nano Today
134	Journal of Informetrics
135	CIRP Annals
136	Nonlinear Analysis: Hybrid Systems
137	CIRP Journal of Manufacturing Science and Technology
138	Sustainable Materials and Technologies
139	Artificial Intelligence in Medicine
140	Computers and Electronics in Agriculture
141	Soil & Tillage Research
142	Desalination
143	Journal of Non-Newtonian Fluid Mechanics
144	Computational Materials Science
145	Computer Physics Communications
146	Journal of Wind Engineering and Industrial Aerodynamics
147	Mechanics of Materials
148	Theoretical and Applied Fracture Mechanics
149	Artificial Intelligence
150	Automation in Construction
151	Computational Geometry
152	Computer Aided Geometric Design
153	Computer Communications
154	Computer Networks
155	Computer Standards & Interfaces
156	Data & Knowledge Engineering
157	Discrete Applied Mathematics
158	Displays
159	Finite Elements in Analysis and Design
160	Future Generation Computer Systems
161	Image and Vision Computing
162	Information and Software Technology
163	Information Processing Letters

164	International Journal of Industrial Ergonomics
165	Integration
166	Journal of Computational and Applied Mathematics
167	Journal of Electrostatics
168	Knowledge-Based Systems
169	Mathematics and Computers in Simulation
170	Microelectronic Engineering
171	Journal of Systems Architecture
172	Microprocessors and Microsystems
173	Neurocomputing
174	Parallel Computing
175	Pattern Recognition Letters
176	Performance Evaluation
177	Robotics and Autonomous Systems
178	Science of Computer Programming
179	Signal Processing
180	Signal Processing: Image Communication
181	Simulation Modelling Practice and Theory
182	Speech Communication
183	Theoretical Computer Science
184	Coastal Engineering
185	ISPRS Journal of Photogrammetry and Remote Sensing
186	Computational Statistics & Data Analysis
187	Structures
188	Decision Support Systems
189	European Journal of Operational Research
190	Fuzzy Sets and Systems
191	Information & Management
192	International Journal of Production Economics
193	ISA Transactions
194	The Journal of Strategic Information Systems
195	Measurement
196	Safety Science
197	Structural Safety

198	Systems & Control Letters
199	Applied Soft Computing
200	Communications in Nonlinear Science and Numerical Simulation
201	Journal of Web Semantics
202	Ad Hoc Networks
203	Optical Switching and Networking
204	Pervasive and Mobile Computing
205	Medical Image Analysis
206	Information Fusion
207	Electronic Commerce Research and Applications
208	Computer Methods in Applied Mechanics and Engineering
209	Diamond and Related Materials
210	Electric Power Systems Research
211	Energy and Buildings
212	Fusion Engineering and Design
213	Journal of Materials Processing Technology
214	Nuclear Engineering and Design
215	Sensors and Actuators A: Physical
216	Sensors and Actuators B: Chemical
217	Wear
218	Applied Mathematical Modelling
219	Combustion and Flame
220	Experimental Thermal and Fluid Science
221	International Journal of Heat and Fluid Flow
222	International Journal of Approximate Reasoning
223	Information Sciences
224	Journal of Molecular Graphics and Modelling
225	Journal of Systems and Software
226	Precision Engineering
227	Computer Methods and Programs in Biomedicine
228	International Journal of Medical Informatics
229	Physical Communication
230	International Journal of Critical Infrastructure Protection
231	Entertainment Computing

232	Journal of Computational Science
233	Nano Communication Networks
234	Swarm and Evolutionary Computation
235	Aerospace Science and Technology
236	European Journal of Mechanics - A/Solids
237	European Journal of Mechanics - B/Fluids
238	IRBM News
239	Analytic Methods in Accident Research
240	International Journal of Thermal Sciences
241	Cognitive Systems Research
242	Optik
243	AEÜ - International Journal of Electronics and Communications
244	Smart Health
245	Biocybernetics and Biomedical Engineering
246	Journal of Biomedical Informatics
247	Computer Vision and Image Understanding
248	Digital Signal Processing
249	Computerized Medical Imaging and Graphics
250	Information and Computation
251	Journal of Computational Physics
252	Journal of Computer and System Sciences
253	Journal of Parallel and Distributed Computing
254	Journal of Visual Communication and Image Representation
255	Optical Fiber Technology
256	International Journal of Human-Computer Studies
257	Biosystems Engineering
258	Journal of Sound and Vibration
259	Journal of Network and Computer Applications
260	Computer Speech and Language
261	Mechanical Systems and Signal Processing
262	Journal of Space Safety Engineering
263	Journal of Computer Languages
264	Sustainable Cities and Society
265	Sustainable Computing: Informatics and Systems

266	Nanomedicine: Nanotechnology, Biology and Medicine
267	Computer Science Review
268	Vehicular Communications
269	International Journal of Child-Computer Interaction
270	Journal of Building Engineering
271	Sustainable Production and Consumption
272	Science Bulletin
273	Extreme Mechanics Letters
274	Journal of Logical and Algebraic Methods in Programming
275	European Journal of Control

ASME e-Journals List of Titles - 2025

Sr.No.	Title
1	Applied Mechanics Reviews
2	Journal of Applied Mechanics
3	Journal of Biomechanical Engineering
4	Journal of Computing and Information Science in Engineering
5	Journal of Computational and Nonlinear Dynamics
6	Journal of Dynamic Systems, Measurement, and Control
7	Journal of Engineering Materials and Technology
8	Journal of Electronic Packaging
9	Journal of Energy Resources Technology
10	Journal of Engineering for Gas Turbines and Power
11	Journal of Electrochemical Energy Conversion and Storage….**Formerly the Journal of Fuel Cell Science and Technology**
12	Journal of Fluids Engineering
13	Journal of Heat Transfer
14	Journal of Mechanical Design
15	Journal of Medical Devices
16	Journal of Offshore Mechanics and Arctic Engineering
17	Journal of Mechanisms and Robotics
18	Journal of Manufacturing Science and Engineering

19	Journal of Tribology
20	Journal of Turbomachinery
21	Journal of Pressure Vessel Technology
22	Journal of Solar Energy Engineering
23	Journal of Thermal Science and Engineering Applications
24	Journal of Vibration and Acoustics
25	Journal of Micro and Nano-Manufacturing
26	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering
27	Journal of Nuclear Engineering and Radiation Science
28	Journal of Verification, Validation and Uncertainty Quantification
29	Journal of Engineering and Science in Medical Diagnostics and Therapy
30	Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems
31	Journal of Engineering for Sustainable Buildings and Citites
32	Journal of Autonomous Vehichles and Systems
33	ASME Letters in Dynamic Systems and Control
34	ASME Letters in Translational Robotics *NEW
35	Journal of Energy Resources Technology, Part A: Sustainable and Renewable Energy
36	Journal of Energy Resources Technology, Part B: Subsurface Energy and Carbon Capture

ACM Digital Library e-Journals List of Titles - 2025

Sr.No.	TITLE
1	ACM / IMS Journal of Data Science
2	ACM Communications in Computer Algebra
3	ACM Computing Surveys
4	ACM Inroads
5	ACM Journal of Computer Documentation
6	ACM Journal of Experimental Algorithmics

7	ACM Journal on Autonomous Transportation Systems
8	ACM Journal on Computing and Sustainable Societies
9	ACM Journal on Emerging Technologies in Computing Systems
10	ACM Journal on Responsible Computing
11	ACM Transactions on Accessible Computing
12	ACM Transactions on Algorithms
13	ACM Transactions on Applied Perception
14	ACM Transactions on Architecture and Code Optimization
15	ACM Transactions on Asian and Low-Resource Language Information Processing
16	ACM Transactions on Asian Language Information Processing
17	ACM Transactions on Autonomous and Adaptive Systems
18	ACM Transactions on Computation Theory
19	ACM Transactions on Computational Logic
20	ACM Transactions on Computer Systems
21	ACM Transactions on Computer-Human Interaction
22	ACM Transactions on Computing Education
23	ACM Transactions on Computing for Healthcare
24	ACM Transactions on Cyber-Physical Systems
25	ACM Transactions on Database Systems
26	ACM Transactions on Design Automation of Electronic Systems
27	ACM Transactions on Economics and Computation
28	ACM Transactions on Embedded Computing Systems
29	ACM Transactions on Evolutionary Learning and Optimization
30	ACM Transactions on Graphics
31	ACM Transactions on Human-Robot Interaction
32	ACM Transactions on Information and System Security
33	ACM Transactions on Information Systems
34	ACM Transactions on Intelligent Systems and Technology
35	ACM Transactions on Interactive Intelligent Systems
36	ACM Transactions on Internet of Things
37	ACM Transactions on Internet Technology
38	ACM Transactions on Knowledge Discovery from Data
39	ACM Transactions on Management Information Systems

40	ACM Transactions on Mathematical Software
41	ACM Transactions on Modeling and Computer Simulation
42	ACM Transactions on Modeling and Performance Evaluation of Computing Systems
43	ACM Transactions on Multimedia Computing, Communications, and Applications
44	ACM Transactions on Parallel Computing
45	ACM Transactions on Privacy and Security
46	ACM Transactions on Probabilistic Machine Learning
47	ACM Transactions on Programming Languages and Systems
48	ACM Transactions on Quantum Computing
49	ACM Transactions on Recommender Systems
50	ACM Transactions on Reconfigurable Technology and Systems
51	ACM Transactions on Sensor Networks
52	ACM Transactions on Social Computing
53	ACM Transactions on Software Engineering and Methodology
54	ACM Transactions on Spatial Algorithms and Systems
55	ACM Transactions on Speech and Language Processing
56	ACM Transactions on Storage
57	ACM Transactions on the Web
58	ACM/IMS Transactions on Data Science
59	ALGOL Bulletin
60	Collective Intelligence
61	Communications of the ACM
62	Computational Linguistics
63	Computers in Entertainment
64	Digital Government: Research and Practice
65	Digital Threats: Research and Practice
66	Distributed Ledger Technologies: Research and Practice
67	eLearn
68	Evolutionary Computation
69	Formal Aspects of Computing
70	Games: Research and Practice
71	IEEE/ACM Transactions on Audio, Speech and Language Processing

72	IEEE/ACM Transactions on Computational Biology and Bioinformatics
73	IEEE/ACM Transactions on Networking
74	intelligence
75	Interactions
76	Journal of Artificial Intelligence Research
77	Journal of Computing Sciences in Colleges
78	Journal of Data and Information Quality
79	Journal of the ACM
80	Journal of User Experience
81	Journal on Computing and Cultural Heritage
82	Journal on Educational Resources in Computing
83	Linux Journal
84	netWorker
85	Personal and Ubiquitous Computing
86	Proceedings of the ACM on Computer Graphics and Interactive Techniques
87	Proceedings of the ACM on Human-Computer Interaction
88	Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies
89	Proceedings of the ACM on Management of Data
90	Proceedings of the ACM on Measurement and Analysis of Computing Systems
91	Proceedings of the ACM on Networking
92	Proceedings of the ACM on Programming Languages
93	Proceedings of the ACM on Software Engineering
94	Proceedings of the VLDB Endowment
95	Queue
96	Reproducibility Retro!
97	StandardView
98	The Journal of Machine Learning Research
99	The VLDB Journal: The International Journal on Very Large Data Bases
100	Ubiquity
101	XRDS: Crossroads, The ACM Magazine for Students

ACM Digital Library SIG Newsletters List of Titles - 2025

Sr.No.	TITLE
1	3C ON-LINE
2	ACM Journal of Computer Documentation
3	ACM Letters on Programming Languages and Systems
4	ACM Lisp Bulletin
5	ACM SIGACCESS Accessibility and Computing
6	ACM SIGACT News
7	ACM SIGAda Ada Letters
8	ACM SIGAPL APL Quote Quad
9	ACM SIGAPP Applied Computing Review
10	ACM SIGARCH Computer Architecture News
11	ACM SIGART Bulletin
12	ACM SIGBED Review
13	ACM SIGBIO Newsletter
14	ACM SIGBioinformatics Record
15	ACM SIGCAPH Computers and the Physically Handicapped
16	ACM SIGCAS Computers and Society
17	ACM SIGCHI Bulletin
18	ACM SIGCHI Bulletin - a supplement to interactions
19	ACM SIGCOMM Computer Communication Review
20	ACM SIGCPR Computer Personnel
21	ACM SIGCSE Bulletin
22	ACM SIGCSIM Installation Management Review
23	ACM SIGCUE Outlook
24	ACM SIGDA Newsletter
25	ACM SIGDOC Asterisk Journal of Computer Documentation
26	ACM SIGecom Exchanges
27	ACM SIGEnergy Energy Informatics Review
28	ACM SIGEVOlution
29	ACM SIGFORTH Newsletter
30	ACM SIGGRAPH Computer Graphics
31	ACM SIGGROUP Bulletin

32	ACM SIGHIT Record
33	ACM SIGHPC Connect
34	ACM SIGICE Bulletin
35	ACM SIGIR Forum
36	ACM SIGITE Newsletter
37	ACM SIGITE Research in IT
38	ACM SIGKDD Explorations Newsletter
39	ACM SIGLASH Newsletter
40	ACM SIGLOG News
41	ACM SIGMAP Bulletin
42	ACM SIGMETRICS Performance Evaluation Review
43	ACM SIGMICRO Newsletter
44	ACM SIGMINI Newsletter
45	ACM SIGMIS Database: the DATABASE for Advances in Information Systems
46	ACM SIGMOBILE Mobile Computing and Communications Review
47	ACM SIGMOD Record
48	ACM SIGMultimedia Records
49	ACM SIGNUM Newsletter
50	ACM SIGOA Newsletter
51	ACM SIGOIS Bulletin
52	ACM SIGOPS Operating Systems Review
53	ACM SIGPC Notes
54	ACM SIGPLAN Fortran Forum
55	ACM SIGPLAN Lisp Pointers
56	ACM SIGPLAN Notices
57	ACM SIGPLAN OOPS Messenger
58	ACM SIGSAC Review
59	ACM SIGSAM Bulletin
60	ACM SIGSIM Simulation Digest
61	ACM SIGSMALL Newsletter
62	ACM SIGSMALL/PC Notes
63	ACM SIGSOC Bulletin
64	ACM SIGSOFT Software Engineering Notes

65	ACM SIGUCCS Newsletter
66	ACM SIGUCCS plugged in
67	ACM SIGWEB Newsletter
68	AI Matters
69	Communication Design Quarterly
70	Communication Design Quarterly Review
71	GetMobile: Mobile Computing and Communications
72	SIGSPATIAL Special

International Journals /Online journals
IEEE ASPP+POP - 225 e-journals, 1879 proceedings.
ELSEVIER ENGINEERING &COMPUTER SCIENCE-275 e-journals
ASME- 36 e-journals
ACM Digital Library – e-journals, Magazines 101 Conference Proceeding – 1470, SIG Newsletters- 72
E- Library facilities
Digital Library – Access to electronic resources is given through digital library.
Access Engineering – 987 e-books and NPTEL video lectures are available.
Open Access Content-NPTEL Video Lectures, e-PG Pathshala, National Digital Library of India, Open Access Books DOAB, Open Access Journals DOAJ, LibriVox Audio Books, e-journals by Indian Academy of Science, Open Access Publishers PLOS, Open Educational Resources OER Common Math World.

AICTE Recommended OER- Commonwealth of Learning (COL), British Columbia Open Text Book Project, Rice University Open Stax, e-Campus Ontario, Skills Commons, Libre Texts, Saylor Academy.
Links to College Faculty Publications, College Magazines, College News and College Newsletters are provided.

Laboratory & Workshop

List of Major Equipment/Facilities in each Laboratory/Workshop

Computing Facilities

Internet Bandwidth	1Gbps
Number and configuration of System	1701(13procressor/15procressor/17procressor)
Total number of system connected by LAN	All 1775
Total number of system connected by WAN	All 1775
Major software packages available	System Software- 17 + Application Software59 = Total 76
Special purpose facilities available	Campus Network & Wifi for Training & Placement Companies, Mechanical Auditorium and Mechanical conference Hall

- **Innovation Cell:** Yes

- **Social Media Cell :** No

- **Compliance of the National Academic Depository (NAD)-** Registered on NAD portal.

List of facilities available Games &

Sports Facilities

➢ College has a playground of 2.5 acres.
➢ The ground has many sports facilities like volleyball, Football, Handball, Kabaddi, Kho Kho, Box Cricket, Netball and Athletic track.
➢ Apart from outdoor games college has made provision of indoor games such as Table tennis, carom, chess etc.
➢ College also has badminton court in the premises for practice purpose.
➢ College has a central well equipped gymnasium with facilities such as machine exercises, free weight exercises, aerobics, Zumba, massage, steam bath and a separate hall for yoga and meditation.
➢ It is huge gymnasium of 5000sq. Ft. Space only for ladies.
➢ The gymnasium has qualified and trained instructors.
➢ Gymnasium also provides yoga certification courses.

Extra-Curricular Facilities

College has well equipped auditoriums for cultural activities. Audio system, band setup are available. College encourages students to participate in sports as well as cultural activities. Community development activities are also conducted. Students have form clubs such as

photography club, art circle, astronomy club through which extra-curricular activities are conducted with the help of faculty members and administrative staff. College offers audit course at second year level "Self Expression". Under this students select any activity such as dance, painting, gardening, cooking etc. Experts conduct hands-on session of these activities every week.

➢ **Teaching Learning Process**

❖ Feedbacks from all stakeholders are taken, analyzed properly. These feedback analysis, Programme Outcomes [POs] and Programme Specific Outcomes [PSOs] are referred as reference for defining Course Outcomes [COs] to define curriculum structure and detailed syllabus.
❖ Course outcomes are clearly discussed with students during starting sessions of course conductions.
❖ Furthermore, in line with NEP guidelines, from this academic Year 2023-24, revised curriculum structure is under the process of implementation [in year-wise progressively manner].
❖ Curricula and syllabus for each of the programmes are approved by different statutory bodies viz. BoS, the Academic Council and the Governing Body – Available on Website : www.cumminscollege.org – Click here

❖ Academic Calendar – Available on Website : www.cumminscollege.org – Click here

❖ Teaching Load of each Faculty

➢ **Evaluation System**

 System for continuous evaluation of students, internally is in place. Every student is assessed for her academic performance in theory course through In- Semester Examination (ISE) and End Semester Examination (ESE).

❖ Detailed explanation w.r.to assessment processes used aspects is presented as follows

➢ **Process for students' performance evaluation through formative and summative assessments in case of the theory courses**

❖ Evaluation is performed by subject teachers via different modes viz. written examination, practical examination and oral examination.
❖   The assessment of In-Semester Examination has two components i.e. Test-1 [T1]and Test -2 [T2].

  ▪ The mode of conducting T1 is designed and announced by the Course Instructor at the beginning of the course and is mentioned in the commitment chart. The different modes for conducting of T1 can be viva-voce, quizzes, puzzles, crosswords, seminars, model building, written test, multiple choice questions, group discussions, online test etc.
  ▪ Written (descriptive) examination is conducted for T2 and ESE.
  ▪ All the examinations are conducted as per schedule given in the academic calendar.

  ❖ **Continuous Assessment in case of the laboratory courses**
  ▪ A list of experiments and the conduction plan is communicated to students before the commencement of the semester.
  ▪ Course outcomes are clearly discussed with students during starting sessions of course conductions.
  ▪ Regular assessment is based on the understanding of experiments, conceptual clarity, regularity and timely completion of the journal.
  ▪ Journals are assessed after every practical and orals are conducted throughout the semester. Attendance and assessment record is maintained. Based on continuous assessment final term-work marks are given by the internal examiners.

  ❖ **Student performance evaluation during Internship duration**

  ▪ In line with guidelines for AICTE and on the strong recommendations received through stake holder's feedback, CCEW have launched 6 months Internship program. Adopting an impactful internship based strategy at CCEW, Pune is with intent for creating a future talent pool for the industry.
  ▪ We expect, it will not only helps fresh passing-outs in gaining professional know- how but also benefits, corporate on fresh perspectives on business issues and even discovering future business leaders.

- The process of examination scheme and credit allotment are clearly defined and communicated to all concerns. Student performance evaluation during Internship duration is done jointly by Industry mentor and mentors at CCEW, Pune.

❖ **Co and Extra-Curricular Facilities**

- College has well equipped auditoriums for cultural activities. Audio system, band setups are available. College encourages students to participate in sports as well as cultural activities. Community development activities are also conducted.

- Students have form clubs such as photography club, art circle, astronomy club through which extra-curricular activities are conducted with the help of faculty members and administrative staff.

- College offers audit course at second year level "Self Expression". Under this students select any activity such as dance, painting, gardening, cooking etc. Experts conduct hands-on session of these activities every week.

❖ **Student's feedback system for Faculty is in place**

- At the end of every semester, students give feedback on teaching. These feedbacks are analyzed. The Principal and Head of Department discuss the feedback with each faculty member.

- Through this discussion, the strengths and areas of improvement are conveyed to each faculty member. Head of Department reviews areas of improvements and suggestions are given to the faculty members.

For each Post Graduate Courses give the following:

Sr. No	Name of the Course
1	M. Tech. Electronics and Telecommunications Engineering
2	M. Tech. Mechanical Engineering
3	M. Tech. Computer Engineering
4	M. Tech. VLSI & Embedded Systems

Laboratory facilities exclusive to the Post Graduate Course : As per AICTE Norms

16 Enrollment and placement details of students in the last 3 years Under

Graduate Courses

Sr. No.	Branch	2023-24		2024-25		2025-26	
		Enroll	Placement	Enroll	Placement	Enroll	Placement
1	E&TC	228	164	220	134	209	174
2	COMPUTER	242	207	234	192	225	209
3	INSTRU	67	51	62	41	69	45
4	I.T.	74	63	78	67	145	74
5	MECH	74	58	69	54	70	62
	Total	**685**	**543**	**663**	**488**	**718**	**564**

Post Graduate Courses

Sr.No.	Branch	2023-24		2024-25		2025-26	
		Enroll	Placement	Enroll	Placement	Enroll	Placement
1	E&TC - AI	5	01	11	0	12	0
2	MECH	12	04	7	0	1	0
3	COMP	-	-	9	0	13	0
4	E&TC - VLSI	-	-	-	-	3	-

17   17.1 List of Research Projects/ Consultancy Works –

S.NO.	Particulars	Grant Rs.
1.	MeitY (Dr. Prachi Mukherji and Dr. Seema Rajput)	86,00,000/-
2.	ISRO-SPPU (Dr. Ashwini Deshpande)	18,24,880/-
3.	MAN Truck and Bus Pvt. Ltd. (Suchitra Pakale Dr. Anagha Kulkarni)	13,96,000/-
4.	ISRO (Dr. Dipti Patil)	16,84,880/-
5.	ASPIRE (S.P.P.U) (Dr. Dipti Patil)	3,00,000/-
6.	ASPIRE (S.P.P.U) (Dr. Avinash Shinde)	1,50,000/-
7.	University of New Haven (Dr. Avinash Shinde)	8,51,400/-
8.	ARDE, DRDO (Dr. Gautam Chandekar and Dr. Parag Chaware)	94,18,320/-
9.	ASHRAE (American Society of Heating Refrigerating and Air Conditioning Engineers) (Dr. Parag Chaware)	4,33,228.50/-
10.	ASHRAE (American Society of Heating Refrigerating and Air Conditioning Engineers) (Rujuta Agavekar)	4,33,228.50/-
	Total	**2,50,91,937/-**
	Consultancy	
1	Tridiagonal Solutions Pvt. Ltd. (Chaware Sir)	72,000/-
2	Prime Machine Tools	1,30,000/-
3	Triarj Software Solution Private Limited	2,00,000/-
4	Millennium Properties Limited	10,000/-
5	Vaibhav Industries	59,000/-
6	XM Excellence Private Limited	59,000/-
	Total Rs.	**5,30,000/-**

17.2 Publications out of research in last three years out of master projects

- Presented in 2024 – 25   -Nil
- Presented in 2023 – 24   -Nil
- Presented in 2022 – 23   -01
- Presented in 2021 - 22   -02

17.3 Industry Linkage:

College has very good interaction with many industries for activities such as: students' projects, internships, lab development, curriculum development and faculty training.

o College has very close association with Cummins India Ltd and Cummins Inc. Cummins India Ltd has declared Cummins College as their ‗Signature Project'.

o Under this project many initiatives towards infrastructure development, faculty development and student development are undertaken.

o College is autonomous since 2016-17. Experts from renowned industries are members of Board of Studies, Academic Council and Governing Body. Their inputs help to frame curriculum as per the industry needs.

o EATON, Citi Bank, Persistent Systems Ltd, Avaya, Ericson are closely working with the college for students' industrial training and students' projects.

o Some of the laboratories are developed by the support of various industries like Forbes Marshall, Emerson, Cummins India Ltd, Rose- Mount Systems, Honeywell, Videocon, IBM, CISCO etc.

o Collaborations with EATON provides a platform to women engineering students from vernacular, semi-vernacular and rural background to acquire appropriate soft and social skills that are critical to achieve individual and professional success.

o With the help of CIL, MOU is signed with internationally renowned university for masters' program fellowship at Purdue, USA.

o Ansys India is supporting to our SAE BAJA team for design and analysis and also supporting financially

o Scorpious Trackers Pvt. Ltd has offered a consultancy work

o Danfoss India has established a ―Centre of Excellence in Hydraulics‖ at Cummins Collge of Engineering for Women and also contributing in the syllabus development

   Recent MOUs include MAN Trucks and Buses -for BAJA sponsorship, Allianz - For Meritorious Scholarship and SAP Labs- For Industry Academia Relationship.

17.4 Memorandum of Understanding (MoU) with University & Industry

College has very good association with many industries College has signed MOUs with some of them. List of valid MOUs is given below.

S.N.	MoU Signed with University / Industry	Date of MoU
1.	AIC Spain	07/05/2009 to Period not mentioned
2.	Ericsson	04/06/2012 to Period not mentioned
3.	Purdue	31/01/2023 to 30/01/2028
4.	Eaton (Old MoU Date 13/12/2013)	15/12/2021 to

		Period not mentioned
5.	Truecopy (i) Electronic Transcript Delivery System (ii) Online Student verification System	14/11/2024 to 13/11/2027
6.	Zensar	22/05/2014 to 21/05/2027
7.	Wiksate	13/08/2014 to Period not mentioned
8.	IGATE	07/11/2014 to Period not mentioned
9.	Persistent	01/07/2015 to 30/06/2026
10.	HSBC	04/11/2016 to Period not mentioned
11.	TRIZ Association of Asia	02/08/2018 to Period not mentioned
12.	BOEING	31/10/2018 to Period not mentioned
13.	ifm engineering pvt. ltd.	18/06/2019 to Period not mentioned
14.	Savitribai Phule Pune University & College of Engineering Pune , & Cummins College of Engineering & The Automotive Research Association of India	29/11/2019 to Period not mentioned
15.	Swayam Sahayata Sewa Sahakari Sanshta Maryadit, Pune & CCEW	21/01/2020 to 20/01/2025
16.	Vodafone	01/01/2025 to 31/12/2025
17.	Intence Engineering	31/08/2021 to Period not mentioned
18.	Scorpius Trackers Pvt. Ltd.	15/03/2022 to Period not mentioned
19.	UNI-TECH Automation Pvt. Ltd.	26/02/2022 to Period not mentioned
20.	Man Truck & Bus (I) Pvt. Ltd.	13/10/2025 to 12/10/2026

21.	Danfoss Technologies Pvt. Ltd.	19/08/2022 to Period not mentioned
22.	Chakraakaar Lifestyle Solutions Pvt. Ltd. (VaayuMitra)	22/09/2022 to Period not mentioned
23.	Moropant Pingale Godhan Foundation	14/10/2022 to Period not mentioned
24.	Confederation of Indian Industry (CII)	01/01/2023 to 31/12/2026
25.	Belrise Industries Ltd.	02/02/2023 to Period not mentioned
26.	The Indus Entrepreneurs Association, Pune Chapter (TiE Pune)	23/02/2023 to 22/02/2026
27.	Magna Seating (Magna Automotive India Pvt. Ltd.)	10/05/2023 to 09/05/2028
28.	Wright State University	10/11/2023 to 30/07/2027
29.	Proexcel System Industrial Automation Engineering Services	12/12/2023 to 11/12/2026
30.	Smt. Kashibai Navale Medical College & General Hospital	15/09/2023 to 14/09/2026
31.	Hiroshima University, Japan	18/04/2024 to 17/04/2029
32.	Bharat Forge Ltd.	19/06/2024 to 18/05/2026
33.	Knorr – Bremse Technology Center India Pvt. Ltd. Pune.	19/06/2024 to Period not mentioned
34.	University of New Haven	23/08/2024 to 22/08/2029

35.	**Whirlpool Corporation**	**16/07/2025 to 16/07/2030**
36.	**Greenarray Genomic Research and Solutions Pvt. Ltd.**	**15/07/2024 to 14/07/2027**
37.	**Marathon Electric India Private Limited, (Part of Regal Rexnord Corporation), Pune.**	**25/07/2025 to 24/07/2030**
38.	**TOX PRESSOTECHNIK (I) Pvt. Ltd. Pune**	**19/08/2025 to Period not mentioned**
39.	**Switch Climate Tech**	**24/09/2025 to 23/09/2028**
40.	**Green Flame Pvt. Ltd., Pune**	**30/09/2025 to Period not mentioned**
41.	**Garje Marathi Global Inc. USA**	**09/12/2025 to 09/12/2030**
42.	**Adyra ESG Technologies LLP, Pune.**	**18/12/2025 to Period not mentioned**

20 Best Practices adopted –

1) Full paid Ph.D. study leave for Faculty members.

2) Provision of sabbatical leave.

3) Incentives for quality journal publications.

4) Incentives for research funding.

5) Institution of Chair Professor by Cummins India Ltd.

6) Full financial support for filling patent.

7) Fully funded Master's Programme for selected students at Purdue.

8) Financial assistance to the needy students.

9) 'Employability enhancement program' to all third year students.

10) Communication Skills development & Soft Skills development training for second & third year students.

11) Mentor mentee scheme.

12) Sponsorship to the students towards membership fees for professional society

chapters.

13) Active students' clubs for co-curricular & extra-curricular activities.

14) Digital evaluation system.

15) Bloom's taxonomy based evaluation system.

16) Periodic question paper and academic Audits.