MANDATORY DISCLOSURE AS ON 29-05-2026

1. NAME OF THE INSTITUTION

Name of the Institution	**Akshaya College of Engineering and Technology (Autonomous)**
Address of the Institution	Bhagavathipalayam Road, Kinathukadavu
City & Pin Code	Coimbatore - 642 109
State / UT	Tamil Nadu
Phone number with STD code	04259 – 242570 to 242574
FAX number with STD code	04259 – 242570
Office hours at the Institution	8.50 A.M. TO 4.00 P.M.
Academic hours at the Institution	8.50 A.M. TO 4.00 P.M.
E-mail id	info@acetcbe.edu.in
Website	www.acetcbe.edu.in
Nearest Railway Station (Distance in KM)	Coimbatore Distance: 23.8 km
Nearest Airport (distance in KM)	Coimbatore Distance: 35 km
Type of Institution	Private – self financed

2. NAME AND ADDRESS OF THE TRUST/ SOCIETY/ COMPANY AND THE TRUSTEES

Name of the organization running the Institution	Akshaya Charitable Trust
Type of the Organization	Trust
Address of the Organization	Kinathukadavu, Coimbatore - 642 109
Phone Number with STD code	04259 – 242570 to 242574
Fax Number with STD code	04259 - 242570
E-mail id	info@acetcbe.edu.in
Website	www.acetcbe.edu.in

3. NAME AND ADDRESS OF THE PRINCIPAL

Name of the Principal	**Dr. R. Ravindran**
Address of the Organization	Akshaya College of Engineering and Technology(Autonomous) Kinathukadavu, Coimbatore - 642 109
Phone Number with STD code	04259 – 242570 to 242574
Fax Number with STD code	04259 - 242570
Mobile Number	9750911298
E-mail id	principal@acetcbe.edu.in
Highest Degree	Ph.D

4. NAME OF THE AFFILIATING UNIVERSITY

Name of the Affiliating University	**Anna University**
Address	Guindy, Chennai – 600 025
Website	www.annauniv.edu

5. GOVERNANCE

5.1 Trust Board Members

S.No	Name	Position
1.	Thiru A.Nagarasan	Managing Trustee
2.	Thiru T.Subramaniyan	Chairman
3.	Thiru K.Pavithran	Secretary
4.	Thiru A.R. Gnana Sekaran	Joint Managing Trustee
5.	Tiru A.Selvam	Vice Chairman
6.	Thiru M.Shantha Kumar	Joint Secretary
7.	Thiru S.Sampath Kumar	Member
8.	Thiru P.Rangaraj	Member
9.	Thiru T.Radhakrishnan	Member
10.	Tmt Malathi Subbu	Member

11.	Thiru S.P.Thiagarajan	Member
12.	Tmt T.R.Pappa	Member
13	Thiru.P.Kullaswamy	Member

5.2 Governing Council members (2025-2026)

S.No	Governing Council Position	Name of the Members with Postal Address
1.	Managing Trustee	**Shri A. Nagarasan** **Managing Trustee**, Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642 109.
2.	Chairman	**Shri T. Subramaniyan** **Chairman**, Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642 109.
3.	Secretary	**Shri K. Pavithran** **Secretary,** Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642 109.
4.	Trustee	**Shri P. Rangaraj** **Trustee**, Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642 109.
5.	Trustee	**Shri S. P. Thiagarajan** **Trustee**, Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642 109.
6.	Joint Director	**Dr. N. Suguna** **Joint Director**, Akshaya College of Engineering and Technology, Kinathukadavu,Coimbatore - 642 109.
7.	Member 7 - Educationalist.	**Dr. R Joseph Xavier** **Advisor,** Akshaya College f Engineering and Technology, Kinathukadavu, Coimbatore – 642 109.
8.	Member 8 - Educationalist.	**Dr. A. Rajeswari** **Principal,** Coimbatore Institute of Technology (CIT), Coimbatore – 641 014
9.	Member 9 - Academician	**Dr. J. Ashwinth** **Assistant Professor** – Grade II, Dept. of CA, National Institute of Technology, Trichy – 600 044
10.	Member 10 - Industrialist	**Dr. Ilango Paramasivam** **Group Technical Manager,** Engineering and R & D services, HCL Tech, Coimbatore
11.	Member 11 - Industrialist	**Mr.V.S. Ramesh** **Director**, STEPS Knowledge Services, Coimbatore.
12.	Member 12 - AICTE Nominee (SRO)	Vacant – Nomination awaited.

13.	Member 13–Anna University Nominee	**Dr. V. Jeyalakshmi** **Professor,** Dept. of ECE, CEG Campus, Anna University, Chennai – 600 025.
14.	Member 14 - State Government/ Directorate of Technical Education Nominee	**Dr. E. Latha Mercy** **Professor, Dept. of EEE,** Government College of Technology, Coimbatore - 641 013.
15.	Member 15- Faculty Member 1 from the Institution at Professor level	**Dr. R. Vignesh** **Associate Professor,** Dept. of Civil Engineering, Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642 109
16 .	Member 16 - Faculty Member 2 from the Institution at Assistant Professor level.	**Prof. C. Rajasekar** **Assistant Professor (S.G)**, Dept. of Mechatronics, Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642 109
17.	Member 17 - Faculty Member 3 from the Institution at Assistant Professor level.	**Mrs. K. Nimisha** **Assistant Professor (Sr.G.),** Dept of ECE, Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642109
18.	Member 18 – Management Representative	**Dr. S. Kapilan** **CEO,** Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642109
19	Member 19–Vice Principal/Director of the Concerned institution.	**Dr. K. Sivasankari** **Vice Principal,** Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642109.
20	Member 20–Member Secretary / Principal / Director of the Concerned institution.	**Dr. R. Ravindran** **Principal,** Akshaya College of Engineering and Technology, Kinathukadavu, Coimbatore - 642109.

5.3 Chairman BOS

S.No.	Name of the Department	Name of the Chairman with Designation
1.	Civil Engineering	Dr. R.Prem Sudha, Professor & HoD
2.	Computer Science & Engineering	Dr. T. Guhan, Associate Professor & HoD
3.	Electronics & Communication Engineering	Dr.K.Sumathi, Professor & HoD
4.	Mechanical Engineering	Dr. K.Madhan Muthu Ganesh, Associate Professor & HoD
5.	Electrical and Electronics Engineering	Dr. M. Sundar Rajan, Associate Professor & HoD
6.	Mechatronics Engineering	Dr.R.Ravindran Professor & Principal
7.	Artificial Intelligence and Data Science	Dr.M.Jenifer, Associate Professor & HoD

8.	Computer Science and Business Systems	Dr. M Malini, Associate Professor & HoD
9.	Science & Humanities	Dr.R. Abinprakash, Associate Professor & HoD

5.4 Organizational Chart

https://www.acetcbe.edu.in/wp-content/uploads/2026/03/ORGANIZATION-CHART-2025-26-1.pdf

5.5 Grievance Redressal mechanism for faculty, Staff and Students

A structured Grievance Redressal Mechanism is established in compliance with AICTE guidelines to address grievances of faculties, staff, and students effectively. The Grievance Redressal Committee, chaired by the Principal, Vice Principal comprises three senior faculty members, and one student representative, ensuring diverse and inclusive representation. The committee addresses complaints objectively and suggests appropriate actions for timely resolution. By providing accessible and confidential channel for submitting grievances, this system fosters trust, equity, and a positive campus atmosphere.

5.3.1. Establishment of Online Grievance Redressal Mechanism

https://docs.google.com/forms/d/e/1FAIpQLScal24QtPSOwNcpwIEKGUNhJlVLNKwwFmsqPkTkIEpUHreovQ/viewform

5.4 Establishment of Anti –Ragging Committee

https://www.acetcbe.edu.in/anti-ragging/

5.5 Establishment of Internal Committee (IC)

https://www.acetcbe.edu.in/clubs-and-activities/internal-complaint-committee-icc/

5.6 Establishment of Committee for SC & ST/Equal Opportunity facilities Cell

https://www.acetcbe.edu.in/clubs-and-activities/sc-st-committee/

5.7 Internal Quality Assurance Cell (IQAC)

No.	Name	Designation	Status in the committee	Mobile No.	Email ID
1	Dr. R. Ravindran	Principal	Chairperson	9750911298	principal@acetcbe.edu.in
2	Dr. K. Sivasankari	Vice Principal	Vice Chairperson	9894733043	sivasankari@acetcbe.edu.in
3	Dr. R. Vignesh	Associate Professor, Dept of Civil Engineering	IQAC Coordinator	9769586291	vigneshr@acetcbe.edu.in
4	Dr. N. Suguna	Professor, Dept of CSE	Member	9443066496	suguna@acetcbe.edu.in

5	Dr. P. Ravi Kumar	Professor & Head, Dept of Mechatronics Engineering.	Member	9894828081	ravikumar@acetcbe.edu.in
6	Dr. R. Premsudha	Professor, Dept of Civil Engineering.	Member	9965243663	premsudha@acetcbe.edu.in
7	Dr. M. Jenifer	Associate Professor & Head, Dept of Artificial Intelligence & Data Science	Member	8056368409	jeniferm@acetcbe.edu.in
8	Dr. M. Malini	Associate Professor & Head, Dept of Computer Science & Business Systems	Member	9486088112	malini@acetcbe.edu.in
9	Dr. R. Abin Prakash	Associate Professor & Head, Dept of S&H	Member	9809755804	abinprakash@acetcbe.edu.in
10	Dr. M. Sundar Rajan	Associate Professor & Head, Dept of EEE	Member	9787945566	sundarrajan@acetcbe.edu.in
11	Mrs. K. Nimisha	Assistant Professor (Sr. Grade), Dept of ECE	Member	7811976861	nimisha@acetcbe.edu.in
12	Mr. V. Suresh Kumar	Assistant Professor (Sr. Grade), Dept of Mechanical Engineering.	Member	8973491771	sureshkumar@acetcbe.edu.in
13	Mr. C. Raja Sekar	Assistant Professor (Sl. Grade), Dept of Mechatronics Engineering.	Member	9750910026	crajasekar@acetcbe.edu.in
14	Mr. R. Gokul Raju	Assistant Professor (Sl. Grade), Dept of Mechatronics Engineering.	Member	9524144479	gokulraju@acetcbe.edu.in
15	Mrs. M. Nisha	Assistant Professor (Sl. Grade), Dept of Computer Science and Engineering.	Member	9894223212	nisha@acetcbe.edu.in
16	Shri. P. Rangaraj	Trustee	Management Representative	9344077479	rangaraj@acetcbe.edu.in
17	Dr. S. Kapilan	CEO	Senior Administrative officer	9894880805	kapilan@acetcbe.edu.in
18	Mr. Senthilkumar	Sub Inspector of police	Nominee from the Society	9498174153	senthilatha.sshl@gmail.com
19	Mr. K. Ramamoorthy	III - CSE	Student Nominee	8122927202	ramkannan4503@gmail.com
20	Dr. E. Malar	Professor, Electrical & Electronics Engineering, Deputy Director - IQAC, PSGiTech, Coimbatore	Senior Academician	9843545796	emr@psgitech.ac.in
21	Dr. K. Uma Maheswari	Professor, Department of Information Technology, PSG College of Technology, Coimbatore	Senior Academician	9443716852	hod.it@psgtech.ac.in
22	Dr. P. Karthikeyan	Professor, Department of Automobile Engineering, PSG College of Technology, Coimbatore	Senior Academician	9443682803	apk.auto@psgtech.ac.in
23	Ms. K. Saran Preetha	Technical Lead, Joy IT Solutions Pvt Ltd.,	Employer	9677422228	saranpreetha.k@joyitsolutions.co
24	Mr. Charles Arokiaraj	Engineering Manager, Robert Bosch	Industrialist	9942954321	jcharles123@gmail.com
25	Mr. Tamil Selvan R	SmartDV Technologies India Private Limited, Bangalore	Alumni Nominee	9600414236	tamilselvanengineer@gmail.com

6. Programs

Name of programs approved by AICTE:

Under Graduate Programmes (B.E/B.Tech)

- B.Tech. Artificial Intelligence and Data Science
- B.Tech Computer Science and Business Systems

- B.E. Civil Engineering
- B.E. Computer Science and Engineering
- B.E. Electronics and Communication Engineering
- B.E. Electrical and Electronics Engineering
- B.E. Mechanical Engineering
- B.E. Mechatronics Engineering
- B.E. Computer Science and Engineering (Cyber Security)

Research (Ph.D)

- Ph.D. Electronics and Communication Engineering
- Ph.D. Mechatronics Engineering

Name of Programmes applied for NBA:

- B.E. Mechatronics Engineering

NAAC Accreditation

NAAC Accreditation Status		
S.No.	**Description**	**Status**
1.	Accredited	B+ valid up to May 02, 2027

NBA Accreditation

S.No.	Description	Programme	Course	Duration of Year	Letter no and Date	Valid Up to
1.	Programmes / courses accredited	B. E	Civil Engineering	3	F.No. 33-404/2018-NBA	30.6.2027
2.			Electronics and Communication Engineering	3	F.No. 33-404/2018-NBA	30.6.2027
3.			Computer Science and Engineering	3	F.No. 33-404/2018-NBA	30.6.2027

6.1 All Courses list with intake

S.No.	Degree	Branch	Year of Starting	Intake	Course Duration
1.	B.Tech.	Artificial Intelligence and Data Science	2022	60	4 Years
2.	B. E	Civil Engineering	2010	30	4 Years
3.	B.Tech.	Computer Science and Business Systems	2022	30	4 Years
4.	B. E	Electrical and Electronics Engineering	2023	30	4 Years
5.	B. E	Computer Science and Engineering (Cyber Security)	2026	30	4 Years

6.	B. E	Electronics and Communication Engineering	2009	90	4 Years
7.	B. E	Computer Science and Engineering	2009	120	4 Years
8.	B. E	Mechatronics Engineering	2013	30	4 Years
9.	B. E	Mechanical Engineering	2009	60	4 Years

6.2 Details of each Programme

UG

S. No	Branch	Sanctioned Intake	First Year	Second Year	Third Year	Fourth Year	Total Strength
1	CIVIL	30	21	9	15	12	57
2	MECH.	30	28	25	17	17	87
3	EEE	30	30	18	21	-	69
4	ECE	60	63	55	57	64	239
5	CSE	120	111	91	85	61	348
6	MECHATRONICS	30	28	24	37	26	115
7	AI&DS	60	63	56	63	30	212
8	CS & BS	30	28	25	27	27	107
TOTAL		**390**	372	303	322	237	**1234**

Total Number of Students: 1234

7. DETAILS OF FACULTY:

List of Faculty members (2025 -2026)				
S.No	**Name of the Faculty**	**Designation**	**DOJ**	**Department**
CIVIL				
1.	Dr.Premsudha R	Professor	26-07-2023	Civil
2.	Dr.Kapilan S	Associate Professor	14-06-2010	Civil
3.	Dr Edwin Fernando P A	Assistant Professor	03-06-2013	Civil
4.	Dr Vignesh R	Associate professor	27-07-2023	Civil
5.	Dr Pratheba S	Assistant Professor	03-03-2025	Civil
6.	Mr Sheik Mohamed Anas M	Assistant Professor	22-02-2021	Civil
7.	Ms Kalaimathi D	Assistant Professor	21-08-2023	Civil
8.	Mrs Priyanka M	Assistant Professor	07-07-2025	Civil
CSE				
1.	Dr Suguna N	Professor	14-05-2009	CSE
2.	Dr Udayakumar P	Professor	08-11-2023	CSE
3.	Dr Guhan T	Associate Professor	25-06-2025	CSE
4.	Mrs Malarvizhi K	Assistant Professor	21-10-2020	CSE
5.	Mrs Nisha M	Assistant Professor	18-08-2021	CSE
6.	Mr Balamurugan V	Assistant Professor	08-08-2022	CSE
7.	Mrs Gomathi K	Assistant Professor	01-10-2022	CSE

8.	Mrs Kavitha M S	Assistant Professor	06-10-2022	CSE
9.	Mr Soundararajan R	Assistant Professor	15-03-2023	CSE
10.	Mrs Jeevitha S	Assistant Professor	12-08-2024	CSE
11.	Mrs Priyadharsini V	Assistant Professor	01-07-2022	CSE
12.	Mrs Sapthika J	Assistant Professor	16-06-2025	CSE
13.	Mrs Sathya Bama M	Assistant Professor	14-06-2010	CSE
14.	Mrs Krithika V	Assistant Professor	01-06-2016	CSE
15.	Mrs Vijaya Lakshmi C	Assistant Professor	22-12-2025	CSE
AI&DS				
1.	Dr Jenifer M	Associate Professor	08-10-2024	AI&DS
2.	Dr Nivedhitha S	Associate Professor	02-01-2024	AI&DS
3.	Mrs Sowkarthiga P	Assistant Professor	01-06-2016	AI&DS
4.	Mr Poorna Prakash S	Assistant Professor	16-08-2024	AI&DS
5.	Mrs Lavanya K	Assistant Professor	18-02-2025	AI&DS
6.	Mrs Priyanka S	Assistant Professor	07-07-2025	AI&DS
7.	Mrs Varalakshmi N	Assistant Professor	06-04-2026	AI&DS
8.	Mrs Aswini S	Assistant Professor	01-09-2025	AI&DS
9.	Mrs Saranya R	Assistant Professor	02-05-2026	AI&DS
CS&BS				
1.	Dr Malini M	Associate Professor	08-07-2024	CS&BS
2.	Mr Balaji S	Assistant Professor	05-08-2022	CS&BS
3.	Mrs Devi K	Assistant Professor	17-10-2022	CS&BS
4.	Mrs Rajeshwari S	Assistant Professor	09-09-2024	CS&BS
5.	Mrs Maha S T M	Assistant Professor	26.02.2026	CS&BS
ECE				
1.	Dr Sivasankari K	Professor	15-02-2021	ECE
2.	Dr Sumathi K	Professor	27-06-2025	ECE
3.	Dr Surya T	Assistant Professor	01-03-2024	ECE
4.	Mrs Nimisha K	Assistant Professor	15-06-2015	ECE
5.	Mrs Megaladevi S	Assistant Professor	01-03-2024	ECE
6.	Mr Ravikumar S	Assistant Professor	18-09-2024	ECE
7.	Mrs Ramjan Begam A	Assistant Professor	01-03-2024	ECE
8.	Mrs Suriya R	Assistant Professor	10-07-2024	ECE
9.	Mrs Vanitha R	Assistant Professor	16-06-2025	ECE
10.	Mrs Ambika A	Assistant Professor	09-08-2021	ECE
11.	Mrs Bavithra R	Assistant Professor	25-06-2018	ECE
EEE				
1.	Dr Sundar Rajan M	Associate Professor	30-12-2025	EEE
2.	Mrs Balambigai G	Assistant Professor	28-08-2023	EEE
3.	Mr Santhoshkumar M	Assistant Professor	02-01-2025	EEE
4.	Mr Sabareeshwaran.K	Assistant Professor	07-08-2024	EEE
5.	Mrs Sinduja S	Assistant Professor	01-12-2025	EEE
Mechatronics Engineering				
1.	Dr Ravindran R	Professor	03-06-2019	MCT
2.	Dr Ravikumar P	Professor	24-05-2023	MCT

3.	Dr Karthik A	Associate Professor	08-08-2022	MCT
4.	Dr Mohankumar V	Assistant Professor	01-06-2013	MCT
5.	Mr Rajasekar C	Assistant Professor	01-06-2013	MCT
6.	Dr Lavanpriya C	Assistant Professor	01-06-2013	MCT
7.	Mr Vinoth S	Assistant Professor	29-06-2018	MCT
8.	Mr Gokul Raju R	Assistant Professor	29-07-2024	MCT
MECHANICAL ENGINEERING				
1.	Dr Madhan Muthu Ganesh K	Associate Professor	02-06-2025	ME
2.	Dr Thayumanavan M	Assistant Professor	28-01-2026	ME
3.	Mr Selvaraju M	Assistant Professor	01-04-2009	ME
4.	Mr Sureshkumar V	Assistant Professor	01-06-2012	ME
5.	Mr Sathish P	Assistant Professor	10-08-2022	ME
6.	Mr Sudhakar B	Assistant Professor	01-08-2023	ME
7.	Mr Suresh J K	Assistant Professor	02-03-2026	ME
S&H				
1.	Mr Kathirvel R	Assistant Professor	02-09-2025	GE
2.	Dr Kishore B	Professor	06-04-2026	GE
3.	Mr Kolappan S	Assistant Professor	10-03-2026	GE
4.	Mrs Kousalyadevi S	Assistant Professor	01-12-2017	GE
5.	Mr Manikandan A R	Assistant Professor	02-07-2025	GE
6.	Mr Muthu Murugan M	Assistant Professor	07-08-2025	GE
7.	Ms Pavithra S	Assistant Professor	01-07-2017	GE
8.	Dr Ravichandran T	Professor	20-05-2024	GE
9.	Mr Saravanakumar K	Assistant Professor	11-07-2022	GE
10.	Mrs Usha Priya B T	Assistant Professor	03-06-2024	GE
11.	Dr Poonkodi K	Professor	23-06-2025	Chemistry
12.	Dr Tennis Athuvan J	Assistant Professor	11-07-2022	Chemistry
13.	Dr Vimaladevi K	Professor	23-06-2025	Chemistry
14.	Mrs Nirmala C	Assistant Professor	24-04-2009	Chemistry
15.	Dr Beulah Vennila J	Assistant Professor	08-12-2025	English
16.	Dr Kalpana Chatterjee	Assistant Professor	02-02-2026	English
17.	Soundarya P	Assistant Professor	02-06-2011	English
18.	Dr AbinPrakash R	Associate Professor	11-05-2023	Mathematics
19.	Dr Ponnalagu K	Professor	23-06-2025	Mathematics
20.	Dr. Maheswari M	Associate Professor	06-05-2026	Mathematics
21.	Dr Premalatha K	Associate Professor	23-06-2025	Mathematics
22.	Dr Vargees Vahini T	Assistant Professor	16-06-2025	Mathematics
23.	Mrs Lathanayagam E	Assistant Professor	15-06-2011	Mathematics
24.	Mrs Mohanambal B	Assistant Professor	11-09-2023	Mathematics
25.	Mrs Indhumathi B	Assistant Professor	03-07-2024	Mathematics
26.	Dr Joevivek V	Professor	25-01-2016	Physics
27.	Dr Manikandan G	Assistant Professor	26-06-2025	Physics
28.	Mrs Sangeetha R	Assistant Professor	07-05-2009	Physics
29.	Mrs Mohana Sudha K	Assistant Professor	19-05-2022	Physics
30.	Mr Gowtham A	Assistant Professor	23-06-2025	Tamil
31.	Mrs Kalaivani R	Assistant Professor	02-03-2026	Tamil

8. Profile of Principal

Name	Dr.R.Ravindran	
Date of Birth	30.12.1972	
Unique ID	4078 2740 7456	
Educational Qualifications	M.Tech, Ph.D	
Work Experience	21 years and 11 months	
Teaching/ Research/ Industry/ Others	Teaching and Research - 28 years and 11 months	
Area of Specialization	Metal Forming	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.Engineering Metallurgy 2.Operations Research 3.Quality control & Metrology 4.Non-Destructive Testing 5. Advanced Acceptance sampling 6.Welding Technology 7.Engineering Economics and Financial Accounting 8.Engineering Drawing & Graphics 9.Professional Ethics 10.Total Quality Management	
Research Guidance (No of Students)	8	
No of Papers Published in National/ International Journals/ Conferences	National	1
	International	18
	Conferences	5
Master (Completed/ Ongoing)	Completed	
Ph.D (Completed/ Ongoing)	Completed	
Projects Carried out	22	
Patents (Filed & Granted)	NIL	
Technology Transfer	NIL	
Research Publication (No of Papers Published in National/ International Journals/ Conferences)	24	
No of Books Published with details (Name of the book, Publisher with ISBN, Year of Publication, etc.)	NIL	

9. Fees

	For Non- NBA Accredited Courses	For NBA Accredited Courses
Detail of fees – Government Quota	Rs. 50,000/-	Rs. 55,000/-
Detail of fees – Management Quota	Rs. 85,000/-	Rs. 87,000/-
Estimated cost of Boarding and Lodging in Hostel	Rs. 65,000/-	

10. Admission

Sanctioned Intake Department wise:

Under Graduate Programmes (B.E/B. Tech)

S.No	Name of the Programme	Sanctioned Intake			
		2023-2024	2024-2025	2025-2026	2026-2027
1.	B.E-Civil	30	30	30	30
2.	B.E-Mech	30	30	30	60
3.	B.E-EEE	30	30	30	30
4.	B.E-ECE	60	60	60	90
5.	B.E-CSE	90	90	120	120
6.	B.E-Mechatronics	30	30	30	30
7.	B-Tech - CS &BS	30	30	30	30
8.	B-Tech – AI & DS	60	60	60	60
9.	B.E- CSE (Cyber Security)	-	-	-	30
Total		360	360	390	480

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

Under Graduate Programmes (B.E/B. Tech)

UG

S. No	Branch	Sanctioned Intake	First Year	Second Year	Third Year	Fourth Year	Total Strength
1	CIVIL	30	21	9	15	12	57
2	MECHANICAL	30	28	25	17	17	87
3	EEE	30	30	18	21	-	69
4	ECE	60	63	55	57	64	239
5	CSE	120	111	91	85	61	348
6	MECHATRONICS	30	28	24	37	26	115
7	AI&DS	60	63	56	63	30	212
8	CS & BS	30	28	25	27	27	107
TOTAL		**390**	372	303	322	237	**1234**

Total Number of Students: 1234

11. Admission Procedure

First Year BE / B.Tech – Qualifying Examinations and Eligibility

- A pass in the HSC (Academic: both +1 and +2) or its equivalent with a minimum average percentage in Mathematics, Physics and Chemistry put together as given below.

Sl. No.	Community	A Pass with Minimum average marks in Mathematics, Physics and Chemistry put together
1	General Category	45.00 %
2	Backward Class including Backward Class Muslim	40.00 %
3	MBC & DNC	40.00 %
4	SC/SCA/ST	40.00 %

Lateral Entry BE / B.Tech – Qualifying Examinations and Eligibility

- A pass in the Diploma / B.Sc. with a minimum average percentage, as given below.

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

GOVERNMENT QUOTA – ADMISSION PROCEDURE – UG

- The Secretary, Tamil Nadu Engineering Admission (TNEA), Directorate of Technical Education, Chennai will call for college details for preparation of Admission booklet and updation of admission Website of DOTE, Chennai.
- The TNEA will publish the college details and instructions to candidates in the admission website
- The Directorate of Technical Education (DOTE), Chennai, will collect the details of surrender of Seats from the college, on the basis of 65% for Government Quota and 35% for Management Quota, as per norms.
- Online Admission application is issued by The Secretary, Tamil Nadu Engineering admission (TNEA) DOTE, Chennai.
- After submitting the application by the candidates, the certificates are scrutinised by TNEA

- Random Number and Rank List will be published by TNEA
- Based on the Random Number, the candidates are called for online counselling by TNEA.
- The Secretary, Tamil Nadu Engineering Admission (TNEA) DOTE, Chennai, will fix the date for online counselling and the counselling schedule will be announced.
- TNEA will announce the institutionwise vacancy position in the admission website.
- In the online counselling, the candidates are selecting course and college on their choice.
- TNEA is issuing allotment order to the candidates to the selected colleges.
- Based on the allotment order, candidates are admitted in the college.
- At the time of admission, all originals certificates are collected at the college and these are submitted to the Director of Technical Education office (DOTE), Chennai for verification.
- After verification of all original certificates, DOTE office will issue the approval order for the admission of the students to the institution.
- After DOTE Approval all the original Certificates of students are returned.

MANAGEMENT QUOTA – ADMISSION PROCEDURE – UG

- The Consortium of self – financing professional, Arts and Science Colleges in Tamil Nadu will publish information brochure for admission of students under management quota.
- Admission application forms are issued by consortium of self – financing professional colleges in Tamil Nadu.
- After submitting the application by the candidates, it is scrutinised by Consortium.
- Rank List will be published by Consortium.
- Based on the Rank, The Consortium of self – financing professional, Arts and Science Colleges in Tamil Nadu will issue allotment order to the candidates
- Candidates are admitted in the college based on the allotment order.
- The admitted students' details under management quota will be informed to the special officer, committee to regulate monitor the admission of the students to professional courses by self-financing colleges, Chennai, for verification and submission to DOTE

- At the time of admission, all originals certificates are collected at the college and these are submitted to the Director of Technical Education office (DOTE), Chennai for verification.
- After verification of all original certificates, DOTE office will issue the approval order for the admission of the students to the institution.
- After DOTE Approval all the original Certificates of students are returned.

GOVERNMENT QUOTA – ADMISSION PROCEDURE– UG (LATERAL ENTRY)

- Directorate of Technical Education (DOTE), Chennai, will collect the details of surrender of Seats from the college, on the basis of 65% for Government Quota and 35% for Management Quota, as per norms.
- Online Admission application is issued by The Director of Technical Education (DOTE), Chennai.
- After submitting the application by the candidates, the certificates are scrutinised by DOTE.
- Random Number and Rank List will be published by DOTE
- Based on the Random Number, the candidates are called for online counselling by DOTE.
- Directorate of Technical Education, Chennai, will fix the date for counselling and the counselling schedule will be announced.
- DOTE will announce the college wise vacancy position in the admission website.
- In the online counselling, the candidates are selecting course and college on their choice.
- Directorate of Technical Education is issuing allotment order to the candidates to the selected colleges.
- Based on the allotment order, candidates are admitted in the college.
- At the time of admission, all originals certificates are collected at the college and these are submitted to the Director of Technical Education office (DOTE), Chennai for verification.
- After verification of all original certificates, DOTE office will issue the approval order for the admission of the students to the institution.
- After DOTE Approval all the original Certificates of students are returned.

MANAGEMENT QUOTA – ADMISSION PROCEDURE– UG (LATERAL ENTRY)

- Admission applications form are issued by the College
- After submitting the application by the candidates, it is scrutinised by the college.
- Candidates are admitted in the college based on DOTE norms.
- At the time of admission, all originals certificates are collected at the college and these are submitted online to the Director of Technical Education office (DOTE), Chennai for verification.
- After online verification of all original certificates, DOTE office will issue the approval order for the admission of the students to the institution.
- After DOTE Approval all the original Certificates of students are returned.

12. Information of infrastructure and other Resources Available.

i) Number of Class	37 Class Rooms
ii) Number of Tutorial rooms	3 Tutorial rooms
iii) Number of Laboratories	33 Labs
iv) Number of Drawing Halls	2 drawing halls
v) Number of Computer Centers	1 Computer Center 1 Language Lab 11 Computer Laboratories
vi) Central Examination Facility, Number of rooms	• COE Room & Examination Computing Facility - 1 • Storage Room – 1 • Stock Room - 1
vii) Barrier Free Built Environment for disabled and elderly persons	The following facilities are available in ACET for Disabled and Elderly persons ➔ Lift ➔ Rest Rooms ➔ Wheel Chairs
viii) Fire and Safety Certificate	Available
ix) Hostel Facilities	➔ Offer basic accommodation, often in shared rooms with essential furniture. ➔ Meals are provided in a common mess. Sanitation and cleanliness are maintained. ➔ Security is provided, with strict rules for visitors. ➔ A separate, well-secured, spacious well-built and well-furnished Hostel with Indoor sports and a gymnasium is present for Girls and Boys. ➔ Medical and other facilities at the Hostel are available.

13. Games and Sports facilities

Outdoor Games

- Ball badminton
- Basketball
- Cricket
- Football
- Handball
- Kabaddi
- Kho-Kho
- Volley ball

Indoor Games

- Fencing
- Table tennis
- Boxing
- Chess

Fitness Center

- Leg Press
- Chest Press
- Squat
- Shoulder Press
- Butterfly
- High Lat Pulley
- Low Pulley
- Bench Press
- Arm Curl
- Wrist curl
- Chin up bar
- Dipping
- Abdominal Board
- Twister
- Back Hyper
- Stepper

14. Teaching Learning Process

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

https://cac.annauniv.edu/aidetails/ai_ug_cands_2021ft.html

https://cac.annauniv.edu/aidetails/ai_ug_cands_2025ft.html

15. Library Facilities

https://www.acetcbe.edu.in/campus-life/central-library/

16. Laboratory Facilities (List of Major and Minor Equipment's)

16.1 Mechanical Engineering:

LAB NAME: Engineering Practices Lab

S.No	ITEMS	AVAILABLE
1	Hack Saw Blade	7 Nos
2	Carpentry Wood	190 Nos
3	GI Sheet	12 SQ FEET
4	Coupling (PVC) 1/2"	10 Nos
5	Coupling (PVC) 3/4"	10 Nos
6	Coupling (PVC) 1"	10 Nos
7	Union (GI) 1/2"	5 Nos
8	Union (GI) 3/4"	5 Nos
9	Union (GI) 1"	5 Nos
10	PVC Elbow (1/2")	5 Nos
11	PVC Elbow (3/4")	5 Nos
12	PVC Elbow (1")	5 Nos
13	PVC Bend (1/2")	5 Nos
14	PVC Bend (3/4")	5 Nos
15	PVC Bend (1")	5 Nos
16	1-2" GI Reducer	10 Nos
17	1" Plug	10 Nos
18	1-3/4" GI Reducer	5 Nos
19	PVC Tee Joint (1/2")	10 Nos
20	PVC Tee Joint (3/4")	10 Nos
21	PVC Tee Joint (1")	10 Nos
22	PVC Domestic Tap (1/2")	5 Nos
23	PVC Domestic Tap (3/4")	5 Nos
24	GI - Gate Valve (1/2")	5 Nos
25	GI - Gate Valve (1")	5 Nos
26	Check Valve - (Horizontal) 1/2"	2 Nos
27	Check Valve - (Horizontal) 1"	2 Nos
28	CP Angle Valve	5 Nos
29	Flexible Hose 1 Mtr.	5 Nos
30	GI Domestic Taps (3/4")	5 Nos
31	GI Domestic Taps (1/2")	5 Nos

LAB NAME: ME3382 Manufacturing Technology Laboratory

S.No	ITEMS	AVAILABLE
1	Welding Rod	NIL
2	M.S. Plate 36*70	100 Nos
3	Moulding Sand	5 BAGS
4	Calcium Carbide Stones	NIL
5	CI Rough castings GEAR CUTTING	10 Nos

6	M.S. Round rod 30 MM DIA	50 Nos
7	8mm plate (MS)	20 Nos
8	CI Block 60mm x 60mm	100 Nos
9	5/8 “R/H Turning Tool	47 Nos
10	Threading Tool	10 Nos
11	3/4“R/H Turning Tool	2 Nos
12	¾ “Cutting Tool	2 Nos
13	1/2“R/H Turning Tool	5 Nos
14	1/2 “Cutting Tool	5 Nos
15	3/4“V Tool for shaping	4 Nos
16	12 mm Tap set	2 Nos
17	14 mm Tap set	1 No
18	10 mm Tap set	1 No
19	Parting Tool	30 Nos
20	Knurling Tool	8 Nos
21	Boring Tool	15 Nos
22	Internal Threading Tool	5 Nos
23	Drill bit (6-12 mm)	2 Sets
24	10.5 mm Drill bit	1 No
25	6 mm Drill bit	1 No
26	Center Gauge	5 Nos
27	Thread Gauge	2 Nos
28	Pitch Gauge	1 No
29	Steel rules	10 Nos
30	Inside Caliper	5 Nos
31	Outside Caliper	5 Nos
32	Milling Cutter 50 mm	1 No
33	End mill Cutter 6 mm	2 Nos
34	End mill Cutter 12 mm	2 Nos
35	2 mm Module Cutter	3 Nos
36	Reamer 13 mm	1 No
37	Revolving Center	4 Nos
38	Face Mill Cutter 63 mm	1 No
39	Machine vice	1 No

LAB NAME: ME3461 Thermal Engineering Laboratory

S.No.	ITEMS	AVAILABLE
1	Petrol	3 liters
2	Diesel	25 liters

16.2 Artificial Intelligence and Data Science, Computer Science and Engineering, Computer Science and Business Systems.

S.No.	ITEMS	AVAILABLE
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17” or higher TFT Monitor, Keyboard and mouse	30
2.	Windows 10	30

3.	Microsoft Office (Word, Excel), Scratch Programming	30
4.	Python3.1.2	30
5.	Java 23	30
6.	Linux Ubuntu 22.04.4 LTS	30
7.	Dev C++	30
8.	MySQL Workbench 8.0	30
9.	UMLLET Version 15	30
10.	AWS/ OpenStack, OpenNedula	30
11.	Oracle Database 12 or higher versdions, SQL, Server 2022(16.x)	30
12.	DevC++/Eclipse CDT/Code Blocks/CodeLite/equivalent open-source IDE	30

16. 3 Electrical and Electronics Engineering

S.NO	NAME OF THE EQUIPMENTS/SOFTWARE	AVAILABLE
1.	10Nos of PC loaded with Pspice/Matlab/e-Sim/Scilab/ Equivalent Software Package	5 Licensed and 5 open
2.	Printer	1
3.	Regulated Power Supply(0-30V)	15 Nos
4.	Function Generator (MHz Range)	5 Nos
5.	Oscilloscope(20MHz)	10 Nos
6.	Digital Storage Oscilloscope(20MHz)	2 Nos
7.	AC/DC–Voltmeters of required rating	10 Nos
8.	AC/DC-Ammeters of required rating	10 Nos
9.	Multimeters	10 Nos
10.	Decade Resistance Box, Decade Inductance Box, Decade Capacitance Box	6 Nos each.
11.	Single Phase Wattmeter of suitable rating	5Nos
12.	Circuit Connection Boards-	20 Nos
13.	Connecting Wires	Necessary Quantity
14.	Three phase star & delta connected load/Single phase load bank of suitable rating	3 Nos
15.	Necessary Quantities of Resistors, Inductors, Capacitors of various capacities (Quarter Watt to 10 Watt)	Necessary Quantity
16.	Semiconductor devices like Diode, Zener Diode, NPN Transistors, JFET, UJT, Photodiode, Photo Transistor	10
17.	Resistors, Capacitors and inductors	10
18.	Necessary digital IC 8	10
19.	Function Generators	10
20.	Regulated3outputPowerSupply5, ±15V	10
21.	CRO	10
22.	Storage Oscilloscope	1
23.	Breadboards	10

24.	DC Shunt Motor with Loading Arrangement	3
25.	DC Shunt Motor Coupled with Three phase Alternator	1
26.	Single Phase Transformer	4
27.	DC Series Motor with Loading Arrangement	1
28.	DC Compound motor with loading arrangement	1
29.	DC Shunt Motor Coupled with DC Compound Generator	2
30.	DC Shunt Motor Coupled with DC Shunt Generator	1
31.	Tachometer-Digital/Analog	8
32.	Single Phase Auto Transformer	2
33.	Three Phase Auto Transformer	1
34.	Single Phase Resistive Loading Bank	2
35.	Three Phase Resistive Loading Bank	2
36.	Rheostats	As per the requirement for the machines
37.	INTELbaseddesktopPCwithmin.8GBRAMand 500GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30
38.	Windows10or higher operating system/Linux Ubuntu20or higher	30
39.	Standalone desktops PC	15Nos.
40.	DC Shunt Motor Coupled with Three phase Salient Pole Alternator	1
41.	DC Shunt Motor Coupled with Three phase non-salient pole Alternator	1
42.	DC Shunt Motor Coupled with Three phase Slip ring Induction motor	1
43.	Three Phase Induction Motor with Loading Arrangement	2
44.	Single Phase Induction Motor with Loading Arrangement	2
45.	Tachometer-Digital/Analog	8
46.	Single Phase Auto Transformer	2
47.	Three Phase Auto Transformer	3
48.	Single Phase Resistive Loading Bank	2
49.	Three Phase Resistive Loading Bank	2
50.	Capacitor Bank	0
51.	Three phase inductive load	1
52.	Rheostats	As per the requirement for the machines
53.	RegulatedPowersupply+12/-12V,5V	15nos.
54.	Cathode Ray Oscilloscope (CRO)50Mhz	10nos.

55.	Digital Multimeter	10nos.
56.	Function Generator	5nos.
57.	Analog and Digital IC Tester	2 nos.each
58.	Bread Board	Sufficient number
59.	IC741/ICNE555/566/565	Sufficient number
60.	Digital IC Types	Sufficient number
61.	LED	Sufficient number
62.	LM317	Sufficient number
63.	LM723	Sufficient number
64.	ICSG3524/SG3525	Sufficient number
65.	Transistor	Sufficient number
66.	Diodes, IN4001, BY126	Sufficient number
67.	Zener diodes	Sufficient number
68.	Potentiometer	Sufficient number
69.	Step-downTransformer230V/12-0-12V	Sufficient number

16.4 Mechatronics Engineering

S.No.	Equipment Name	Available Count
1.	Load, Strain and Torque Measurement setup	Each - 1
2.	Pressure measurement using Piezoelectric Sensor setup	1
3.	LVDT setup	1
4.	Temperature Sensors measurement setup with RTD, Thermocouple and Thermistor	Each - 1
5.	Measurement setup Optical Sensors LDR, Photo transistor, photo diode	Each - 1
6.	Distance Measurement setup – Ultrasonic Sensor	1
7.	Gyroscope measurement setup	1
8.	Accelerometer measurement setup	1
9.	Encoders	1
10.	Various types of gears and gear train Models	1 set
11.	Kinematic Models of various mechanisms	1 set
12.	Single and double universal joint setup	1 set
13.	Turn table apparatus	1 set
14.	Bifilar suspension and Compound pendulum setup	1 set
15.	Motorized gyroscope apparatus	1 set
16.	Universal Governor apparatus – Watt, Porter, Proell and Hartnell governors	1 set
17.	Cam analysis apparatus	1 set

18.	Spring mass vibration system setup	1 set
19.	Torsional Vibration setup a) Single rotor system b) Double rotor system c) Damped torsional vibration setup	1 set
20.	Whirling of shaft apparatus	1 set
21.	Reciprocating balancing apparatus	1 set
22.	Rotating balancing apparatus	1 set
23.	Vibrating table apparatus setup	1 set
24.	DC Motor with load	1
25.	3 Phase Induction Motor with load	1
26.	3 Phase Synchronous Motor with load	1
27.	Rheostat based Speed control of motors (AC and DC) with load	1
28.	MOSFET, IGBT, SCR and TRAIC	1
29.	DC motor with speed control Drive	1
30.	DC servomotor with Power Electronic Drive (Position, Direction and speed).	1
31.	BLDC motors with Power Electronic Drive (Position, Direction and speed).	1
32.	Stepper Motor with Power Electronic Drive (Position, Direction and speed).	1
33.	Three-phase Induction Motor with Power Electronic Drive.	1
34.	VFD with single phase and three-phase induction motor.	1
35.	AC servomotor with Power Electronic Drive (Position, Direction and speed).	1
36.	Tachometers, voltmeters, ammeters and multimeters	Each 5
37.	Computers	15
38.	CAD Modelling packages (open source/ licensed) installed on all the above computers.	15
39.	8051 trainer kit interfaced with above computers	15
40.	Alphanumeric LCD Interfacing interfaced with 8051	2
41.	Switches and keyboard interfacing of 8051.	1
42.	Sensor Interfacing with ADC to 8051 and DAC & RTC Interfacing with 8051 kit	1 Each
43.	UART Serial and Parallel Port with 8051 kit	1 Each
44.	Step Motor (Unipolar & Bipolar Motor) and PWM Servo Motor Control to Interfacing with 8051 kit	1 Each
45.	ARM Processor– kit/development boards- 2 nos with WIFI module, Sensors, Stepper motor and servomotor – 1 each	1 Each
46.	Single board computer (Raspberry PI/ any other open-source boards) with internet	1 Set

	provision and open source IOT service provider setup	
47.	Software for 8051 programming	1 Set
48.	Pressure relief valve	1
49.	Flow control valves	1
50.	Pressure switch	1
51.	Limit switches	2
52.	Linear actuator	1
53.	Rotary actuator	1
54.	Double solenoid actuated DCV	1
55.	Hydraulic power pack with pump and pressure relief valve	1
56.	Pneumatic trainer kit with FRL Unit, Single acting cylinder, push button	1
57.	Pneumatic training kit with FRL unit, Double acting cylinder, manually actuated DCV	1
58.	Pneumatic trainer kit with FRL unit Double acting cylinder, Single and Double solenoid actuated DCV	1
59.	PLC with Pneumatic Interface.	1
60.	Bottle Filling System – PLC Trainer Kit	1
61.	Material Filling – PLC Trainer Kit	1
62.	Object Sorting – PLC Trainer Kit	1
63.	Material Property Check – PLC Trainer Kit	1
64.	Material Handling, Delaying, Conveyor, Pick and Place Operation – PLC Trainer Kit	1
65.	Computer with Robotic Operating System (ROS) Installed with supported libraries.	5
66.	Robot with accessories	1
67.	Machine vision with camera, computers and software	1

16.5 Civil Engineering

S.NO	NAME OF THE EQUIPMENTS/SOFTWARE	AVAILABLE
1.	Total Station	5
2.	Chain	10
3.	Cross Staff	10
4.	Ranging Rod	50
5.	Steel Arrows	100
6.	Prismatic Compass	10
7.	Dumpy Level	7
8.	Tilting Level	5
9.	Levelling Staff	10

10.	Theodolite	10
11.	**Estimation of Suspended Volatile & Fixed Solids** i. Porcelain weighing dishes ii. Evaporation dishes iii. Hot air oven iv. Muffle furnaces v. Whatman filter paper No.42 vi. Conical Flask vii. Desiccator	 As Required As Required 1 1 As Required As Required 1
12.	**Estimation of BOD** i. BOD bottles (300ml) ii. Incubator Electrical iii. Burette iv. Conical Flask (250ml) v. Measuring cylinder (50ml) vi. Beaker	6 1 2 2 2 1 As Required
13.	**Estimation of COD** i. Reflexing Apparatus ii. Conical Flask (250ml) iii. Burette iv. Pipette & bulb (5ml) v. Measuring cylinder (50ml) vi. Beakers	 1 2 2 2 1 As Required
14.	**Determination of total & fecal coliforms (Demonstration only)** i. Laminar Flue hood ii. Test tubes (5ml,10ml) iii. Measuring Jar iv. Micro Pipettes v. Incubator vi. Beakers	1 As Required As Required 1 1 1 2 As Required
15.	Bernoulli's Experiment	1
16.	Friction factor in pipes.	1
17.	Minor losses	1
18.	Centrifugal pumps	1
19.	Gear pump	1
20.	Submersible pump	1
21.	Reciprocating pump	1
22.	Pelton wheel turbine	1
23.	Francis turbine	1
24.	Rotameter	1
25.	Orifice meter/ mouthpiece, Venturimeter and Notches	1

26.	Metacentric height of floating bodies	1
27.	**FLEXURAL STRENGTH TESTING MACHINEANALOG – MOTORISED** Although generally not such an important property ofconcrete than compressive strength tensile strength values are often important to know when the concrete used is free of reinforcement and may be subjected to some tensile force. The machine consists of a motorized load frame. The lower platen has two rollers, the distance between which is adjustable. For 150 mm x 150 mm x 700 mm beam, the centre distance between the rollers is 600 mm, while it is 400 mm for beams of size 100 mm x 100 mm x 500 mm. The upper platen has also a pair of rollers whose distance adjustable.It is 200 mm centre to centre, for 150 mm x 150 mmx 700 mm size beam and 133 mm for 100 mm x 100 mm x 500 mm size beam. A pressure gauge to indicate load is fixed on the load frame. Total capacity of the machine is 100 KN and a 150 mm diapressure gauge 0-100 KN x 1 KN is fitted on the machine. A separate electrically pumping unit housed in a cabinet is supplied. On/Off switch and aslow/fast lever to control rate of loading are fitted onthe front panel of the pumping unit. A micro switch and relay fitted inside the pressure gauge protects the unit from over loading. **As per IS: 516, IS: 9399, BS: 1881, ASTM C78**	1
28.	**COMPRESSION TESTING MACHINE - 2000 KN-ANALOG - SINGLE GAUGE** Compliance with following international standards -IS 516, IS 14858. Detailed specification as follows: **Compliance with following internationalstandards:** IS 516, IS 14858 **Salient Features:** • Aesthetically designed unit • The electric pumping unit is fixed with amicro switch to switch off the motor • Automatically as the load on the machine approaches the rated capacity. • The unit is equipped with a 8" dia pressure gauges with maximum red pointer.	1

	• Four column high stiffness and high stability fully welded construction of the load frame. **Construction Details:** • The compression testing machine consists ofseparate pumping unit and loading unit. • Detailed descriptions of both the devices arenarrated below. **Pumping Unit:** • The pumping unit is a separate unit connected to the jack by means of a high -pressure hose pipe. • A junction box is suitably fixed to connect themotor to the mains through a push button starter. • Calibrated against N.P.L. Tested Master Gauge or Proving Ring. • A max red pointer is provided to facilitate taking readings after failure of the specimen. • The pressure gauge is fixed at an Angle for easy readability. **Scope of supply:** • High strength rigid structure (Loading Frame) • Pumping unit (Oil source cabinet) • Pressure gauge • Pair of compression platens • High pressure hose pipe **Technical Specification** • Capacity : 2000 kn • Platen size in mm: 300 mm dia • Ram Dia in mm : 205 mm • Ram Travel in mm: 50 mm • Vertical daylight in mm: 350 mm • Horizontal daylight in mm: 350 mm • Weight approx.. in kg: 616 Kg • Platen hardness: More than 550 Vickers hardness • Electric Motor: 1 HP, Single Phase • Operation on: 220 V AC Single Phase. • Least count: 0.5% of the full load • Pumping: Motorized • Pump Speed: Dual speed • Motor: Induction Motor • Reading: Analog • Accuracy: ± 2% • Release valve operation: Required • Auto stop after failure of specimen: Not	

	available,need to stop the machine manually • Auto Release of Pressure after • Specimen failure: Not Available, need to release pressure manually after the completion of test • Calculation of result: Manual • Holding of Max.Load: Available • Pace Rate or Rate of Loading Indication: Not Available • Operator skill to control Pace Rate: Not Applicable • Bar Graph: Not Available • Multi-Channel operation: Not Available • Load indication and Control: Manual • Saving of records: Not Available • Pen drive slot: Not Applicable • Real time graph: Not Applicable • Printer interface (Direct connectivity to printer w/ocomputer): Not Applicable • Computer operation software and data Acquisitionsoftware: Not Applicable • Displacement controlled operation: Not Available • Modulus of Elasticity Calculation: Not Available • Flexural attachment: Possible, all calculations willbe made manually • Splitting Tensile Test: Possible but manual calculation required • LAN Connectivity: Not Available • Auto internal Calibration without proving ring: Not Available • Piston over travel safety cut off: Not Available • Over load safety cut off: Available • Shot circuit protection: Available	
29.	AUTOCAD	30
30.	Revit	10 Users

16.6 Electronics and Communication Engineering

DEVICES AND CIRCUITS LABORATORY				
SL.NO	**NAME OF THE EQUIPMENTS/SOFTWARE**	**TYPE OF THE EQUIPMENT**	**REQUIRED (R)**	**AVAILABLE (A)**
1.	Function Generators (3MHz)	Major	15	15

2.	CRO (30 MHz)	Major	15	15
3.	Dual Regulated Power Supplies (0 – 30V)	Minor	15	15
4.	Decade Resistance Box	Minor	4	4
5.	Voltmeter(0-30v)	Minor	15	15
6.	Ammeter(0-30mA)	Minor	15	15
7.	Resistors, Capacitors, Inductors – sufficient quantities. Bread Boards	Consumables	25	25
8.	BC107,BC148,2N2646,BFW10	Consumables	25	25
9.	IN4007,Zener diodes	Consumables	25	25

DIGITAL SYSTEM DESIGN				
SL.NO	**Name of the equipment's/Software**	**Type of the Equipment**	**Required**	**Available**
1.	Digital Trainer Kit	Major	15	15
2.	IC 7404, 7408, 7432, 7486, 7410,7411,7485,7402	Consumables	25 each	25 each

ELECTRONIC CIRCUITS LABORATORY				
SL.NO	**NAME OF THE EQUIPMENTS/SOFTWARE**	**TYPE OF THE EQUIPMENT**	**REQUIRED (R)**	**AVAILABLE (A)**
1.	Function Generators (3MHz)	Major	15	15
2.	CRO (30 MHz)	Major	15	15
3.	Dual Regulated Power Supplies (0 – 30V)	Minor	15	15
4.	Decade Resistance Box	Minor	4	4
5.	Voltmeter(0-30v)	Minor	15	15
6.	Ammeter(0-30mA)	Minor	15	15
7.	Resistors, Capacitors, Inductors – sufficient quantities. Bread Boards	Consumables	25	25
8.	BC107,BC148,2N2646,BFW10	Consumables	25	25
9	IN4007,Zener diodes	Consumables	25	25

COURSE TITLE: Microprocessor and Microcontroller Laboratory					
SL.NO	**Name of the equipment's/Software**	**Type of the Equipment**	**Required**	**Available**	**Deficiency**
1.	8086 Microprocessor trainer kit with power supply	Major	10	10	0
2.	8051 Microcontroller trainer kit	Major	10	10	0

3.	Traffic light control interfacing card compatible with 8086 & 8051 kits	Minor	5	5	0
4.	Stepper motor control interfacing compatible with 8086 & 8051kits	Minor	5	5	0
5.	Digital clock interfacing board compatible with 8086 & 8051 kits	Minor	5	5	0
6.	Keyboard & Display interface board compatible with 8086 & 8051 kits	Minor	5	5	0
7.	A/D and D/A interfacing card compatible with 8086 & 8051 kits	Minor	5	5	0

COURSE TITLE: LINEAR INTEGRATED CIRCUITS LABORATORY

SL.NO	Name of the equipments/software	Type of the equipment	required	Available	deficiency
1.	Power supplies (0-30 v/3A	major	15	15	0
2.	Standalone desktop PC	major	15	15	0
3.	70 MHz DSO and 50 MHz Arbitrary function generator / signal generator	major	15	15	0

SL.NO	Name of the equipment's/ software	Type of the equipment	Required	Available YES/NO	Deficiency
1.	IC Tester	Minor	5	4(yes)	0
2.	Digital LCR Meter	Minor	2	2(yes)	0
3.	Digital Multimeter	Minor	15	15(yes)	0
4.	Transistor/MOSFET (BJT-NPN-PNP and NMOS/PMOS)	Consumable	50	50(yes)	0
5.	Bread Boards	Consumable	15	15(yes)	0
6.	Resistors, Capacitors, Inductors	Consumable	1	1(yes)	0
7.	IC741, IC565, AD620(Each 15)	Consumable	15	15(yes)	0

COURSE TITLE: RE ENGINEERING FOR INNOVATIONLABORATORY

Sl.No	Name of the Equipment's/Software	Type of the Equipment	Required (R)	Available (A)	Deficiency

1.	Embedded trainer kit	Major	10	10	0
2.	Potentiometer	Minor	10	10	0
3.	ESP32, ESP8266	Minor	Each 5	Each 5	0

COURSE TITLE: MAKERS SPACE LABORATORY					
SL.NO	**Name of the equipment's/ software**	**Type of the equipment**	**Required**	**Available**	**Deficiency**
1.	Embedded trainer kit	Major	5	5	0
2.	Power supply	Minor	10	10	0
3.	Soldering set	Minor	5	5	0
4.	Resistors, Capacitors, Inductors – sufficient quantities. Bread Boards	Consumables	25	25	0
5.	BC107, BC148, 2N2646, BFW10	Consumables	25	25	0
6.	IN4007, Zener diodes	Consumables	25	25	0
7.	Personal computer	Minor	1	1	0

COURSE TITLE: VLSI LABORATORY					
SL.NO	Name of the equipment's/Software	Type of the Equipment	Required	Available	Deficiency
1.	Xilinx/Altera/equivalent FPGA Boards	Major	15	21	0
2.	70MHz DSO and 50MHz Arbitrary Function Generator/signal generator	Major	15	12	3
3.	Cadence/Mentor Graphics/Open Source equivalent CAD VLSI design tool	Major	15	16 user licenses	0
4.	Person Computer	Major	15	15	0
5.	70MHz DSO AND 50MHz Arbitrary Function Generator/signal generator	Major	15	12	3
6.	Xilinx ISE/Altera Quartus/equivalent EDA Tools (User License)	Major	15	30 user licenses	0

COURSE TITLE: WIRELESS COMMUNICATION					
SL.NO	**Name of the equipments/Software**	**Type of the Equipment**	**Required**	**Available**	**Deficiency**
1.	Computer	Major	30	30	NIL
2.	Software – Octave Simulator/ SCiLab / Appropriate tools	Major	Open Source	Open Source	NIL

COURSE TITLE: LOW POWER IC DESIGN					
SL.NO	**Name of the equipments/Software**	**Type of the Equipment**	**Required**	**Available**	**Deficiency**
1.	Computer	Major	30	30	NIL
2.	Software – Xilinx design suit 14.7	Major	30	30	NIL

COURSE TITLE: EMBEDDED SYSTEMS AND IOT DESIGN LABORATORY					
SL.NO	**Name of the equipments/Software**	**Type of the Equipment**	**Required**	**Available**	**Deficiency**
1.	8051 Microcontroller Kit	Major	15	11	4
2.	Keyboard	Major	15	15	-
3.	ADC	Major	5	5	-
4.	DAC	Minor	5	5	-
5.	Stepper Motor	Minor	5	5	-
6.	CRO/DSO(30MH)	Major	15	15	-
7.	Standalone desktops PC	Major	15	15	-
8.	Keil µ Vision	Major	15	15	-
9.	Flash Magic Downloader	Major	15	15	-
10.	Win X Talk	Minor	15	15	-

17. Research and Consultancy

17.1 List of Research Publications: https://www.acetcbe.edu.in/research/research-publications/

17.2 List of Research Grants Received and Applied: https://www.acetcbe.edu.in/research/grants-received/