

Mandatory Disclosure

updated on 30/03/2022

1. AICTE File No. : F.No. South-West/1-9322561235/2021/EOA
Date & Period of last approval : Date: 25-Jun-2021; 1 year

2. Name of the institution : **AKM POLYTECHNIC COLLEGE**
Address : AKM Polytechnic College
Kannanalloor P.O., Kollam - 691576.
Telephone No. : 0474-2561492, 0474-2561493.
Website : www.akmpoly.ac.in
Email : info@akmpoly.ac.in

3. Name of the Trust : **FATHIMA MEMORIAL EDUCATIONAL TRUST**
Address : Fathima Memorial Educational Trust,
Vadakkevila P.O., Kollam- 691010

4. Name and contact of the Principal : Dr. Shanavas S.
Highest qualification : PhD
Telephone No. : 0474- 2561492, 93
Mobile : 9400529829 (39)
Email : principal@akmpoly.ac.in

5. Name of the Affiliating Board : State Board of Technical Education ,
Thiruvananthapuram, Kerala
Website : www.dtekerala.gov.in

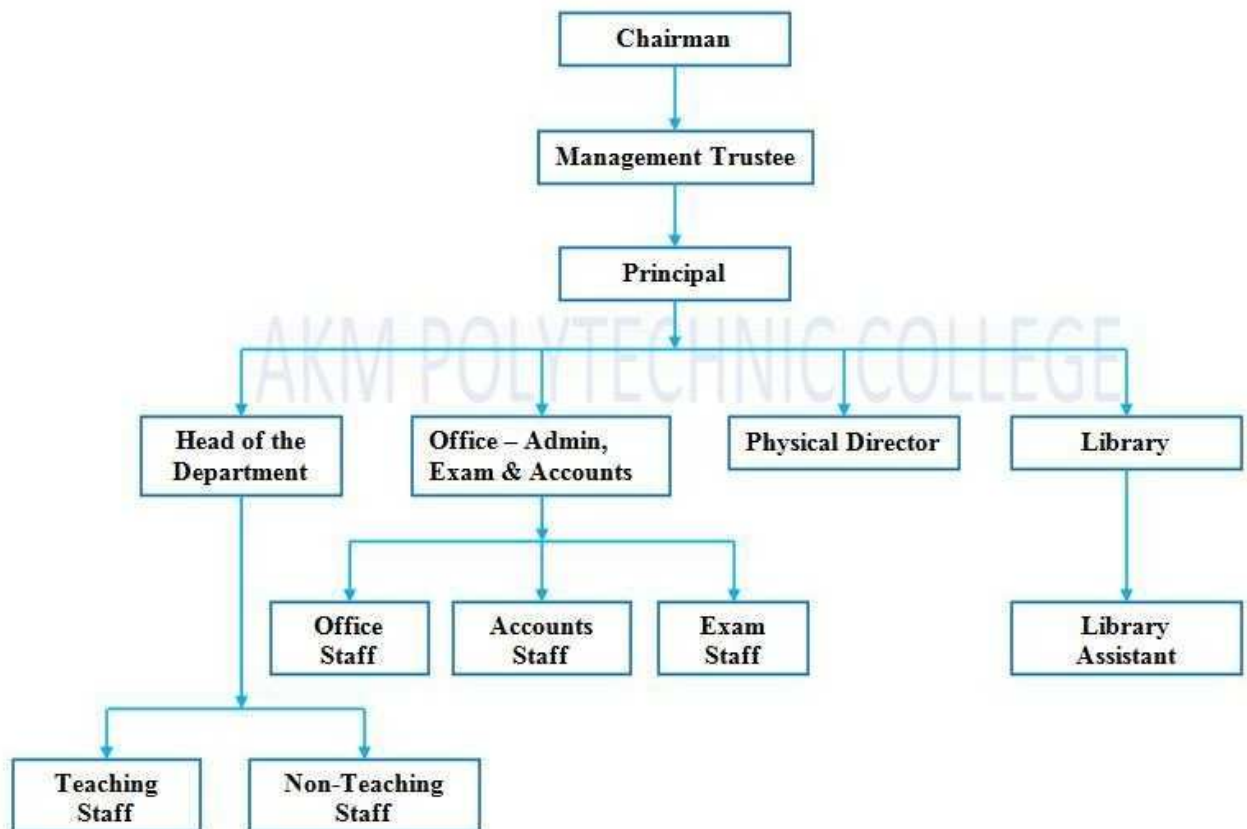
6. Governing Body Members

1. Ms. Dhareefa Beevi, **Chairperson**, An organizer working for women empowerment.
2. Mr. Shajahan Younus, **Secretary**, Graduate, Former Grama Panchayath Member, An organizer actively participating cultural activities.
3. Mr. Noushad Younus, **Vice Chairman**, Graduate, Working as District president of Youth wing of a national Political Party, Member of many charitable as well as cultural organizations.
4. Adv. Anzar Younus, **Executive Director**, Law Graduate, Businessman, and active participant of many social and cultural organizations in the district.
5. Mr. Hashim Younus, **Executive Director**, Postgraduate, Expert in IT matters.
6. Ms. Y. Noorjahan Noufal, **Trust member**, Graduate, and able administrator.
7. Ms. Y. Mumthaz Sharaf, **Trust member**
8. Ms. Y. Raziya Nesmal, Graduate, **Trust member**

7. Members of Academic Advisory Body

1. Ms. Dhareefa Beevi (Chairperson, AKM Polytechnic College)
2. Mr. Shajahan Younus (Secretary, AKM Polytechnic College)
3. Prof. M. Abdul Rasheed (Dean – AKM Polytechnic College, Formerly, Professor – TKM College of Engineering, Kollam.)
4. Dr. Shanavas S. (Principal, AKM Polytechnic College)
5. Dr. T. P. D. Rajan (Principal Scientist, Materials Science and Technology Division, National Institute for Interdisciplinary Science Technology, Trivandrum).
6. Dr. N. Murugan (Professor, Department of Robotics and Automation Engineering, PSG College of Technology, Coimbatore).
7. Dr. Sadiq A. (Professor, Department of Mechanical Engineering, TKM College of Engineering, Kollam).
8. Dr. R. Manu (Professor, Department of Mechanical Engineering, NIT Calicut).
9. Dr. R. M. Shereef (Professor, Department of Electrical & Electronics Engineering, College of Engineering, Trivandrum).

8. Organizational Chart



9. Establishment of Anti Ragging Committee

Ragging in all its forms is totally banned in AKM Polytechnic College including in its departments, all its premises (academic, residential, sports, cafeteria, etc.) whether located within the campus or outside and in all means of transportation of students whether public or

private. The College shall take strict action including but not limited to criminal proceeding and/or cancellation of admission against those found guilty of ragging and/or of abetting ragging and the burden of proof shall hereby lie on the perpetrator of alleged ragging and not on the victim. An offence of Ragging may be charged either on a written complaint by the affected or on independent finding of the Anti Ragging cell. The students can register a complaint by directly contacting the chairman of Anti-ragging cell. As per AICTE norms, AKM Polytechnic College has constituted an Anti-ragging Committee with the following members:

Sl. No.	Name	Role	Designation	Contact Number	Email id
1.	Dr. Shanavas S.	Chairman	Principal	9400529829	principal@akmpoly.ac.in
2.	Mr. Rakesh M.	Convenor	HoD (ME)	9447904251	hodme@akmpoly.ac.in
3.	Mr. Rajan David	Member	Physical Edu. Director.	9447336536	sureshrajanklm@gmail.com
4.	Mr. Jithin D.	Member	HoD (CE)	9447186724	hodce@akmpoly.ac.in
5.	Mr. Vishnu C S.	Member	HoD (EE)	9895757057	hodee@akmpoly.ac.in
6.	Ms. Ansu Alex	Member	HoD (EC)	8078405300	hodec@akmpoly.ac.in

10. Establishment of Online Grievance Redressal Mechanism

Grievance Cell

AKM Polytechnic College is committed to providing a safe, fair and harmonious learning and work environment. Grievance Redressal Cell was set up at our Institution in accordance with the AICTE Regulation Act 1987 (AICTE Notification F.No. 37-3/legal 2012 dated 25/05/2012), for handling day-to-day grievances related to students and parents.

Grievance Redressal Cell facilitates the resolution of grievances in a fair and impartial manner involving the respective Department /Institute (dealing with the substantive function connected with the grievance), maintaining necessary confidentiality, as the case may be. Any stakeholder with a genuine grievance may approach Grievance Redressal Cell to submit his/her grievance send through e-mail principal@akmpoly.ac.in. Students grievance will be redressed as earlier as possible based on the nature of the issue.

Our Institution, AKM Polytechnic College has decided to provide Good mechanism to the students for redressal of their grievances with regard to their complaints on academic and non-academic matters, grievances related to assessment, victimization, attendance, charging of fees, conducting of examinations, harassment by colleague students or teachers etc. If any complainant is not satisfied with the action taken by the Grievance committee the complainant can take up the matter with the appellate authority Prof. M. Abdul Rasheed, Dean | AKM Polytechnic College

Grievance Redressal Committee

Sl. No.	Name	Role	Designation	Contact Number	Email id
1.	Dr. Shanavas S.	Chairman	Principal	9400529829	principal@akmpoly.ac.in
2.	Mr. Jithin D.	Convener	HoD (CE)	9447186724	hodce@akmpoly.ac.in
3.	Mr. Rakesh M.	Member	HoD (ME)	9447904251	hodme@akmpoly.ac.in
4.	Mr. Vishnu C S.	Member	HoD (EE)	9895757057	hodee@akmpoly.ac.in
5.	Ms. Ansu Alex	Member	HoD (EC)	8078405300	hodec@akmpoly.ac.in
6.	Ms. Thasni S.	Member	Lecturer (S&H)	9544324668	thasnimuneer2015@gmail.com

11. Establishment of Internal complaint committee (ICC)

As per the section 4 of sexual harassment of women at workplace (Prevention and Prohibition and Redressal Act, 2013) an **Internal Complaint Committee (ICC)** has been constituted with the following office bearers in AKM Polytechnic College. The committee will deal with common problems faced by the women in the campus.

ICC meets on a need basis to address any complaints from students, teaching and nonteaching members and takes necessary action. The College has a zero-tolerance policy towards any such transgression. The college is committed to providing a safe and conducive work and academic environment to students and its employees and is extremely alert to matters pertaining to any kind of harassment and gender sensitivity.

Sl. No.	Name	Role	Designation	Contact Number	Email id
1.	Ms. Lini Das M.	Chairperson	HoD (S&H)	9995170144	linidasm@gmail.com
2.	Ms. Ansu Alex	Member	HoD (EC)	8078405300	hodec@akmpoly.ac.in
3.	Ms. Fathima R.	Member	Lecturer (S&H)	9947191776	fathima1990suneer@gmail.com
4.	Ms. Anithakumari S.	Member	Non-Teaching (CE)	9567441135	anithakumari121@gmail.com
5.	Ms. Sreedevi K.	Member	Non-Teaching (EC)	8086921498	ksreedevi@gmail.com
6.	Ms. Vrinda Chandran S.	Member	Student (CE)	8129046461	vrindasalinikvk1202@gmail.com
7.	Ms. Revathy Murukan	Member	Student (EE)	7593922459	revathy.murugan.s@gmail.com
8.	Ms. Akhila S.	Member	Student (EC)	9447085225	akhilaakku358@gmail.com
9.	Ms. Gouri Krishna S.	Member	Student (CE)	6235862536	gsindhu578@gmail.com
10.	Ms. Devika V.	Member	Student (CE)	9744946922	devu98472005@gmail.com

9. Establishment of Committee for (SC/ST)

The Scheduled Caste (SC) and Scheduled Tribes (ST) Cell in the institute promotes the special interests of students in the reserved category and to guide the students to optimally utilize the benefits of the schemes offered by the Government of India. The newly constituted

SC/ST cell in AKM Polytechnic College adheres to the guidelines of the Government of India as communicated by the MHRD and the AICTE with respect to the upliftment of the students and employees belonging to the SC/ST categories and other weaker classes.

1. It is expected to provide special inputs in areas where the students experience difficulties.
2. The Cell may conduct regular remedial coaching classes on life skills, personality development, writing assignments and making presentations.
3. The Cell also is expected to organize interactive sessions and informal meetings with students to attend to their personal, social and academic problems.
4. Conducting/Coordinating Training Programmes for Students and Staff: Teaching and Non-Teaching

Objectives of the cell:

- To ensure there is no caste-based discrimination in the college.
- To redress the grievances of SC/ST students.
- To enhance the employability of SC/ST students.
- To ensure equal opportunity in all spheres.

Office bearers

Sl. No.	Name	Role	Designation	Contact Number	Email id
1.	Mr. Vishnu C S.	Convenor	HoD (EE)	9895757057	hodee@akmpoly.ac.in
2.	Ms. Lini Das M.	Member	HoD (S&H)	9995170144	linidasm@gmail.com
3.	Ms. Fathima Sulphi	Member	Lecturer (CE)	8281761146	fathimasulphi11@gmail.com
4.	Mr. Akhilesh A.	Member (SC)	Lecturer (S&H)	8129209652	akhileshakumarg@gmail.com
5.	Ms. Sreedevi K.	Member (SC)	Tradesman (EC)	8086921498	ksreedevi@gmail.com
6.	Ms. Anithakumari S.	Member	Tradesman (CE)	9567441135	anithakumari121@gmail.com

10. Internal quality Assurance Cell

As per AICTE norms, AKM Polytechnic college has constituted an Internal Quality Assurance Cell (IQAC) with the following members for the year 2021-22

Sl. No.	Name	Role	Designation	Contact Number
1.	Dr. Shanavas S.	Chairperson/Professional body member	Principal, AKM and member of IWC	9400529829
2.	Shri. Shajahan Younus	Management Representative	Secretary	9447118714
3.	Mr. Anand K. A.	Co-ordinator	Senior Lecturer (ME)	9742938320
4.	Mr. Jithin D.	Teacher	HoD (CE)	9447186724
5.	Mr. Rakesh M.	Teacher	HoD (ME)	9447904251
6.	Mr. Vishnu C. S.	Teacher	HoD (EE)	9895757057
7.	Ms. Ansu Alex	Teacher	HoD (EC)	9447345835
8.	Ms. Lini Das M.	Teacher	HoD(S&H)	9995170144

Sl. No.	Name	Role	Designation	Contact Number
9.	Ms. Naseema I.	Administrative Officer	Administrative Officer	9747793809
10.	Shri. Azad M.	Nominee from local society	Politician	9567038445
11.	Ms. Devika V.	Student Nominee	Student-CE	9847513991
12.	Ms. Stephi E. S.	Nominee from industry	Assistant Engineer (PWD)	8281335585

11. Programmes

Programme	Number of seats	Duration
Civil Engineering	60	3 Year
Mechanical Engineering	60	
Electrical & Electronics Engineering	60	
Electronics & Communication Engineering	60	

12. Profile of Principal

Name	AICTE Unique ID	Work Experience in years			Area of Specialization
		Teaching	Research	Industry	
Dr. Shanavas S.	1-2728562123	15	4	1	Engineering Design

Achievements:

- ❖ National Governing Council (NGC) member of Indian Welding Society
- ❖ Designated as Chartered Engineer by Institutions of Engineers India
- ❖ Serves as reviewer for many scientific international refereed journals
- ❖ Invited as resource person for many technical talks
- ❖ Contributed many research articles in refereed international journals and conferences
- ❖ Authored a book titled "Introduction to Marketing Management for Engineers"

Research area/ Expertise / Areas of Interest:

- ❖ Dry and Under-water welding
- ❖ DOE & Optimization
- ❖ Composite material
- ❖ Additive manufacturing
- ❖ Corrosion and Prevention
- ❖ Mechanical and metallurgical characterization of metals

Latest Publications:**International Journals**

- [1] “Development of Taguchi based Grey Relational Analysis Optimization for FSW of AZ31B Magnesium Alloy”, *International Journal of Vehicle Structures & Systems*, ISSN: 0975-3060, Volume 12, Issue 3, October, (2020), pp. 70-76. [**Scopus index**]
<https://doi.org/10.4273/ijvss.12.3.14>
- [2] “Effect of Welding on Pitting and Intergranular Corrosion Behavior of Marine Grade Aluminium Alloy”, *Materials Performance and Characterization (ASTM International)*, ISSN: 2379-1365, Volume 8, Issue 4, September, (2019), pp. 555-570. [**Scopus and SCI index**]
<https://doi.org/10.1520/MPC20180118>
- [3] “Weldability of Marine Grade AA 5052 Aluminum Alloy by Underwater Friction Stir Welding”, *The International Journal of Advanced Manufacturing Technology (Springer)*, ISSN: 0268-3768, Volume 95, Issue 9-12, April, (2018), pp. 4535-4546. [**Scopus and SCI index**]
<https://doi.org/10.1007/s00170-017-1492-6>
- [4] “Parametric Optimization of Friction Stir Welding Parameters of Marine Grade Aluminium Alloy Using Response Surface Methodology”, *Transactions of Nonferrous Metals of China (Elsevier)*, ISSN: 1003-6326, Volume 27, Issue 11, November, (2017), pp. 2334-2344. [**Scopus and SCI index**]
[https://doi.org/10.1016/S1003-6326\(17\)60259-0](https://doi.org/10.1016/S1003-6326(17)60259-0)
- [5] “Optimization of Multiple Performance Characteristics of Friction Stir Welded Joint with Grey Relational Analysis”, *Materials Research (SciELO)*, ISSN: 1516-1439, Volume 21, issue 6, November, (2018), pp. 127-133. [**Scopus and SCI index**]
<https://dx.doi.org/10.1590/1980-5373-MR-2017-1050>
- [6] “Effect of Geometry of Tool Pin Profile on the Mechanical & Metallographic Characteristics of Friction Stir Welded AA 5052-H32 Aluminium Alloy”, *Journal of Manufacturing Technology research (Nova science)*, ISSN: 1943-8095, Volume 9, Issue 1-2, (2017), pp. 81-93. [**Scopus index**]
- [7] “Modeling and Analysis of Friction Stir Welding and Underwater Friction Stir Welding of Aluminium Alloy: A Review”, *Applied Mechanics and Materials (Trans Tech)*, ISSN: 1662-7482, Volume 867, July, (2017), pp. 127-133.
<https://doi.org/10.4028/www.scientific.net/AMM.867.127>
- [8] “Weld Quality Prediction of AA 5052-H32 Aluminium Alloy Using Neural Network Approach”, *Materials Today: Proceedings (Elsevier)*, ISSN: 2214-7853, Volume 5, No. 2, (2018), pp. 8256-8262. [**Scopus index**]
<https://doi.org/10.1016/j.matpr.2017.11.516>
- [9] “Quality Prediction of Friction Stir Weld Joints on AA 5052 H32 Aluminium Alloy Using Fuzzy Logic Technique”, *Materials Today: Proceedings (Elsevier)*, ISSN: 2214-7853, Volume 5, Issue 5, (2018), pp. 12124-12132. [**Scopus index**]
<https://doi.org/10.1016/j.matpr.2018.02.190>
- [10] “Weldability of AA 5052 H32 Aluminium Alloy by TIG Welding and FSW Process - A Comparative Study”, *Materials Science and Engineering (IOP Science)*, ISSN: 1757-8981, Volume 247, (2017), 012016. [**Scopus index**]
<https://doi.org/10.1088/1757-899X/247/1/012016>

International Conferences

[1] “ANFIS Modeling of Friction Stir Weld Parameters”, IEEE 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), NICHE, Kumaracoil, India, December, (2016), 772-777. [**Scopus index proceeding**]

<https://doi.org/10.1109/ICCICCT.2016.7988056>

[2] “Weld Quality Prediction of AA 5052-H32 Aluminium Alloy Using Neural Network Approach”, International conference on Emerging Trends in Materials and Manufacturing Engineering (IMME17), National Institute of Technology (NIT), Trichy, India, March, (2017). [Manuscript published in Materials Today: Proceedings]

[3] “Quality Prediction of Friction Stir Weld Joints on AA 5052 H32 Aluminium Alloy Using Fuzzy Logic Technique”, International Conference on Materials Manufacturing and Modelling (ICMMM - 2017), Vellore Institute of Technology (VIT), Vellore, India, March, (2017). [Manuscript published in Materials Today: Proceedings]

[4] “Modeling and Analysis of Friction stir welding and Underwater Friction Stir Welding of Aluminium Alloy: A Review”, International conference on Technological Advancements in Materials and Manufacturing for Industrial Environment, KPR Institute of Engineering and Technology, Coimbatore, India, March, (2016). [Manuscript published in Applied Mechanics and Materials]

[5] “Bamboo as Reinforcement in Structural Concrete Element in a Low Cost House”, International Conference on Recent Innovations and Trends in Engineering and Science, Sree Narayana Institute of Technology, Adoor, Kerala, India, February, (2016).

[Interdisciplinary – Civil Engineering]

Professional affiliations:

- ❖ American Society for Testing and Materials (ASTM) International
- ❖ Institution of Engineers India
- ❖ Indian Society for Technical Education
- ❖ Energy Conservation Society
- ❖ Tribology Society of India
- ❖ Indian Welding Society

13. Fee Details

Year	Programs	Fee components	Fees (as approved by the State Government)	
			Government seat (G)	Management seat (M)
2020	CE	Tuition Fee	Rs. 22500	Rs. 37500
	ME	Special Fee	Rs. 2500	Rs. 2500
	EE	Exam Fee	Rs. 1575	Rs. 1575
	EC	CD Adm. Fee	Rs. 5000 Rs. 500	Rs. 5000 Rs. 500
2021	CE	Tuition Fee	Rs. 22500	Rs. 37500
	ME	Special Fee	Rs. 2500	Rs. 2500
	EE	Exam Fee	Rs. 1655	Rs. 1655
	EC	CD Adm. Fee	Rs. 5000 Rs. 500	Rs. 5000 Rs. 500

14. Fee waiver details

Year	Programs	Fee waiver details		
		No. of fee waivers	Amount	Name of student
2020	CE	2	Rs. 22,500/-	Mr. Nahas N., Ms. Vrinda Chandran
	ME	1	Rs. 22,500/-	Mr. Aswin A.
	EE	2	Rs. 22,500/-	Mr. Al-Safeer S., Mr. Farook T.
	EC	1	Rs. 22,500/-	Mr. Sarath S.
2021	CE	1	Rs. 22,500/-	Mr. Shemeerkhan S.
	ME	2	Rs. 22,500/-	Mr. Adithyaraj R. Pillai, Mr. Anandhu Baiju
	EE	1	Rs. 22,500/-	Mr. Abhi Syam
	EC	1	Rs. 22,500/-	Mr. Abdul Aziz

15. Admission

Year of approval	Admission	Programs												Total
		CE			ME			EE			EC			
		G	M	T	G	M	T	G	M	T	G	M	T	
2020-2021	Sanctioned intake	32	30	62	31	30	61	32	30	62	31	30	61	240
	No. of students admitted	32	29	61	31	30	61	32	30	62	19	20	39	223
2021-2022	Sanctioned intake	31	30	61	32	30	62	31	30	61	32	30	62	240
	No. of students admitted	13	48**	61	15	47**	62	13	48**	61	11	34**	45	229

* G – Government seat, M – Management seat, T- Total seat,

**Vacant Government seats converted to Management Seats as per admission procedure of SITTTR.

Year of approval	Admission	Programs (Lateral entry)												Total
		CE			ME			EE			EC			
		G	M	T	G	M	T	G	M	T	G	M	T	
2021-2022	Sanctioned intake	3+1*	3+4*	6	3	3+1*	6	3+4*	3+2*	6	3+1*	3+5*	6	42
	No. of students admitted	4	7	11	3	4	7	7	5	12	4	8	12	42

*Vacant Government and Management seats are converted to lateral entry seats as per rules & regulations.

16. Scholarship offered by the institution

Year	Program	Number of scholarship offered by the institution	
		Scholarship amount	Duration
2020	CE		3 years
	ME		
	EE		
	EC	Rs. 15,000/Yr for management	
2021	CE	Rs. 5000 (Girls with 80% above in 10 th) Rs. 15,000/- (rank below 5000) Rs. 10,000/- (rank 5000 -10000) Rs. 5000/- (rank 10000 -12000)	3 years
	ME	Rs. 15,000/- (rank below 5000) Rs. 10,000/- (rank 5000-10000) Rs. 5000/- (rank 10000-12000)	
	EE	Rs. 10,000/- (rank 5000-20000)	
	EC	Rs. 15,000/Yr for management	

17. Information of infrastructure and other resources

Particulars	Available	Area of each
Number of Class Rooms	16	80 (sqm.)
Number of Tutorial Rooms	4	40 (sqm.)
Number of Laboratories	20	100 (sqm.)
Number of Drawing Halls	2	400 (sqm.)
Number of computer centers	2	200 (sq.m.)
Central Examination facility	1	80 (sq.m.)
Online examination facility	Yes -100 mbps speed	
Barrier free built environment for disabled person	Ramp is provided parallel to staircase	
Occupancy certificate	Yes	
Fire and safety certificate	Yes	
Hostel Facilities	Yes	

18. Library Facilities

1. Number of Library books : 10591
2. Number of Titles : 2383
3. Printed Journals : 12
4. E- Library Facilities : Yes

19. List of Major Laboratories

1. Engineering Physics Lab
2. Engineering Chemistry Lab
3. Language Lab
4. Central Computing Facility
5. Survey Lab
6. Material Testing Lab
7. Concrete Lab
8. Transportation Engineering Lab
9. Geotechnical Engineering Lab
10. Environmental Engineering Lab
11. Civil CAD Lab
12. Fluid Mechanics and Machines Lab
13. IC Engine Lab
14. Thermal Engineering Lab
15. Metrology Lab
16. Instrumentation lab
17. Machine Shop
18. Mechanical Engineering Workshop
19. Engineering Mechanics Lab
20. Mechanical CAD Lab
21. Power System Lab
22. Electrical Measurement Lab
23. Electrical Engineering Workshop
24. Electrical Workshop Practice
25. Electrical Machine Lab
26. Electronics Devices Lab
27. Electronics Circuits Lab

28. Analog Circuits Lab
29. Micro Controller & Microprocessor Lab
30. Digital Integrated Circuits Lab
31. Mini Project Lab
32. Microwave Lab

20. Extra-curricular activities

The Institution provides importance to extra-curricular activities like sports and arts events. The Institute has a vast lush green play field.