

Mandatory Disclosure

updated on 18/03/2024

1. AICTE File No. : F.No. South-West/1-36485214387/2023/EOA
Date & Period of last approval : Date: 15-May-2023; 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 : <http://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. Ravikumar S
Highest qualification : PhD
Telephone No. : 0474- 2561492, 93
Mobile : 9400378808
Email : principal@akmpoly.ac.in

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

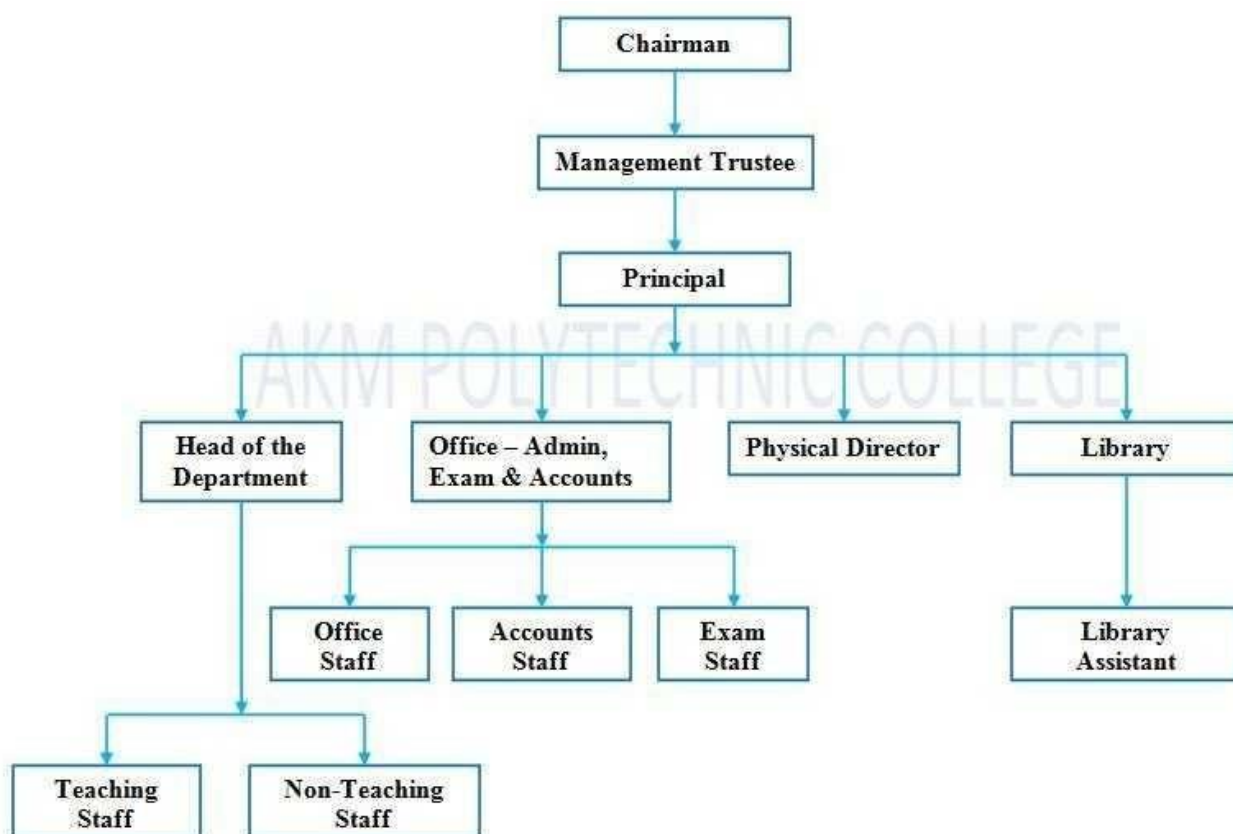
6. Governing Body Members

1. Mr. Shajahan Younus, **Chairman**, Graduate, Former Grama Panchayath Member, An organizer actively participating cultural activities.
2. 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.
3. Adv. Anzar Younus, **Executive Director**, Law Graduate, Businessman, and active participant of many social and cultural organizations in the district.
4. Mr. Hashim Younus, **Executive Director**, Postgraduate, Expert in IT matters.
5. Ms. Y. Noorjahan Noufal, **Trust member**, Graduate, and able administrator.
6. Ms. Y. Mumthaz Sharaf, **Trust member**
7. Ms. Y. Raziya Nesmal, Graduate, **Trust member**

7. Members of Academic Advisory Body

1. Mr. Shajahan Younus (Chairman, AKM Polytechnic College)
2. Prof. M. Abdul Rasheed (Dean – AKM Polytechnic College, Formerly, Professor – TKM College of Engineering, Kollam.)
3. Dr. Ravikumar S. (Principal, AKM Polytechnic College)
4. Dr. T. P. D. Rajan (Principal Scientist, Materials Science and Technology Division, National Institute for Interdisciplinary Science Technology, Trivandrum).
5. Dr. N. Murugan (Professor, Department of Robotics and Automation Engineering, PSG College of Technology, Coimbatore).
6. Dr. Sadiq A. (Professor, Department of Mechanical Engineering, TKM College of Engineering, Kollam).
7. Dr. R. Manu (Professor, Department of Mechanical Engineering, NIT Calicut).
8. 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 reconstituted an Anti-ragging Committee with the following members:

Sl. No.	Name	Role	Designation	Contact Number	Email id
1.	Dr. Ravikumar S.	Chairman	Principal	9400378808	principal@akmpoly.ac.in
2.	Mr. Rakesh M.	Convenor	HoD (ME)	9447904251	hodme@akmpoly.ac.in
3.	Mr. Jithu S G	Member	Physical Edu. Director.	9497309122	jithusg@gmail.com
4.	Mr. Jithin D.	Member	HoD (CE)	9447186724	hodce@akmpoly.ac.in
5.	Ms. Shamsad Beegam P	Member	HoD (EE)	9946092733	hodee@akmpoly.ac.in
6.	Ms. Soumya D S	Member	HoD (EC)	9995113282	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 complaint is not satisfied with the action taken by the Grievance committee the complainent 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. Ravikumar S	Chairman	Principal	9400378808	principal@akmpoly.ac.in
2.	Mr. Jithin D.	Convener	HoD (CE)	9447186724	hodce@akmpoly.ac.in
3.	Mr. Soumya D S	Member	HoD (EC)	9995113282	hodec@akmpoly.ac.in
4.	Mr. Akhilesh A	Member	Lecturer (S&H)	8129209652	akhileshkumarg@gmail.com
5.	Ms. Devika V	Member	Student (CE)	9847513991	devu98472005@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 reconstituted 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. Shamsad Beegam P	Chairperson	HoD (EE)	9946092733	shamsad.beegam@gmail.com
2.	Ms. Soumya D S	Member	HoD (EC)	9995113282	dasansoumya@gmail.com
3.	Ms. Lini Das M.	Member	HoD (S&H)	8547217518	linidasm@gmail.com
4.	Ms. Anithakumari S.	Member	Non-Teaching (CE)	9567441135	anithakumari121@gmail.com
5.	Ms. Aiswarya Haridas	Member	Non-Teaching (EE)	9497731850	aiswaryaharidas777@gmail.com
6.	Ms. Devika V.	Member	Student (CE)	9744946922	devu98472005@gmail.com
7.	Ms. Gouri Krishna S	Member	Student (CE)	6235862536	gsindhu78@gmail.com
8.	Ms. Rahi Harikumar	Member	Student (EE)	8129397361	rahiharikumar4@gmail.com
9.	Ms. Steaphy Victor	Member	Student (CE)	9072417573	steaphystinus@gmail.com
10.	Ms. Amina .E	Member	Student (CE)	9562219561	aminaibrahim2003@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.	Ms. Shamsad Beegam P	Convenor	HoD (EE)	9946092733	hodee@akmpoly.ac.in
2.	Ms. Lini Das M.	Member	HoD (S&H)	9995170144	linidasm@gmail.com
3.	Ms. Farsana Shahul	Member	Lecturer (CE)	9656917619	farsanashahul97@gmail.com
4.	Mr. Akhilesh A.	Member (SC)	Lecturer(S&H)	8129209652	akhileshakumarg@gmail.com
5.	Mr. Jithu S G	Member	Physical Edu. Director.	9497309122	jithusg@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 reconstituted an Internal Quality Assurance Cell (IQAC) with the following members for the year 2023-24

Sl. No.	Name	Role	Designation	Contact Number
1.	Dr. Ravikumar S.	Chairperson/Professional body member	Principal	9400529829
2.	Shri. Shajahan Younus	Management Representative	Chairman	9447118714
3.	Ms. Hazeena K A	IQAC Co-ordinator	Lecturer, EE	9846773785
4.	Ms. Aseela A	IQAC Member	Lecturer, CE	8089820474
5.	Mr. Jitnin D	Teacher	HoD, CE	9447186724
6.	Mr. Rakesh M	Teacher	HoD, ME	9447904251
7.	Ms. Shamsad Beegam P	Teacher	HoD, EE	9946092733
8.	Ms. Soumya D S	Teacher	HoD, EC	9995113282

9	Ms. Lini Das M	Teacher	HoD, S & H	9995170144
10	Mr. T. V. Madhu	Administrative Officer	Administrative Officer	9961141958
11	Shri. Sajad	Nominee from Local Society	Politician	8289955541
12	Ms. Devika V	Student Nominee	Student, CE	9744946922
13	Ms. Stephi E S	Nominee from Industry	Asst. Engineer	8281335585
14	Ms. Revathy Murukan	Alumni	Apprentice (KSEB)	7593922459

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. Ravikumar S	1-44493155708	32	4	1	Renewable Energy

SKILLS

Teaching
 Program Management
 Training Management
 Lecturer Activities
 Professor Activities
 General Administration
 Student Management
 Faculty management
 Research and Development
 Curriculum Development
 Matlab

INTERESTS

Power Systems
 Power Electronics
 Electrical Machines
 Electrical System Design
 Electrical Engineering Drawing
 Renewable Energy
 Power Quality improvement

PROJECTS

1. Excitation Control on Three phase Alternator.
2. THD Minimization in 7 level H bridge Multi level Inverter THD Minimization in 9 level Diode Clamped Multilevel Inverter
3. Energy Efficient Hybrid Wind solar System applying ABC Algorithm

PUBLICATION

1. S. Ravikumar, H, Vennila, R, Deepak., (2020), Hybrid Power Generation System with THD Minimization using Improved Rider Optimization Algorithm: Analysis on Converters. Journal of Power Sources, (SCI)459 (2020) 22802
2. S. Ravikumar, H, Vennila, B, Ajai, (2020), THD Minimization Using Genetic Algorithm on the Nine-level Multi level Inverters. International Journal of Advanced Intelligence Paradigms, (SCOPOUS), pp.306-321
3. S. Ravikumar, H, Vennila, (2020), Hybrid Wind-Solar System An Optimized Approach for Efficient Power Generation. International Journal of Computer Aided Engineering and Technology,(SCOPOUS), pp.154-167
4. S. Ravikumar, H, Vennila, Study on Hybrid Wind Solar Power Generation System with THD Minimization Using Improved Rider Optimization, (2020), Chapter 46, Book_489330_International Conference on Mobile Computing and Sustainable Informatics, SRINGER.
5. S, Ravikumar, H, Vennila, HYBRID Wind Solar system - An Optimized Approach for Efficient Power Generation, (2020),
<https://ieeexplore.ieee.org/document/8203647/>
6. S, Ravikumar, H, Vennila, Study on Comparison of Various Optimization Algorithms for Minimizing THD of the Hybrid Wind Solar Power Generation System, (2020),
<https://ieeexplore.ieee.org/document/9112487>.
7. S, Ravikumar, H, Vennila, Study on Hybrid Wind Solar Power Generation System with THD Minimization Using Improved Rider Optimization, (2020),Book_489330_International Conference on Mobile Computing and Sustainable Informatics

INTERNATIONAL AND NATIONAL CONFERENCE

1. S, Ravikumar. H, Vennila, (2017), HYBRID Wind Solar system - An Optimized Approach for Efficient Power Generation, International Conference on Electronics, Communication and Aerospace Technology - ICECA2017 Dated 20,21,22 April 2017
2. S, Ravikumar, H, Vennila, (2019), Multilevel Inverter with ABC Algorithm Applied to a Hybrid Wind Solar System for Improving Power Quality of Power Generation System, International Conference on Electrical, Electronics & Computer Science -ICEECS Dated 5/5/2019
3. S, Ravikumar, H, Vennila, (2020), Study on Hybrid Wind Solar Power Generation System with THD Minimization Using Improved Rider Optimization, International Conference on Mobile Computing and Sustainable Informatics - ICMCSI2020 Dated 23, 24 January 2020
4. S, Ravikumar, H, Vennila, (2020), Study on Comparison of Various Optimization Algorithms for Minimizing THD of the Hybrid Wind Solar Power Generation System, International Conference on Inventive Computation Technologies [ICICT2020], 26-28 February 2020
5. S, Ravikumar, H, Vennila, (2020), Reduction of the THD in Hybrid Wind Solar System - Comparison of Various Optimization Algorithms, International Conference on Electronics, Communication and Power System ICECAPS Dated 20/06/2020

6. S, Ravikumar, (2013), Effective Reduction of the THD on the line to line voltage of multi level inverter, National Conference ADVANCES IN ELECTRICAL AND ELECTRONICS ENGINEERING (NCAEEEE2013) dated 2/3/2013.
7. S, Ravikumar, (2013), THD minimization on the line to line voltage of multi level inverter, International Conference on Global innovations in technology and sciences (ICGITS 2013) dated 6/4/2013.
8. S, Ravikumar, (2013), Power quality improvements in hybrid wind solar systems-Review on various optimization algorithms, International Conference on Engineering and technology (ICET 2020) dated 5/3/2020.
9. S, Ravikumar, (2013), THD minimization on the line to line voltage of multi level inverter, National Conference on ITELLECTUAL PRESENTATIONNONINTELLIGENT CONTROL (IPIC 2013) dated 27/3/2013.
10. S, Ravikumar., (2013), Optimized reduction in THD applied on the line to line voltage of multi level inverter, National Conference on Research advances in communication , computation electrical science and structures dated 23/2/2013
11. S, Ravikumar, (2013), Optimization of THD applied on the line to line voltage of multi level inverter, International Conference on Competency building strategies in business and technology for sustainable development dated 22/2/2013

S, Ravikumar,(2023), Comprehensive analysis and comparison of an ANN controlled dualactive bridge DC/DC converter and LCC-S resonant DC-DC converter for electric vehicle fast DC charging station, International Conference on Smart computing and communications (ICsc 2023) dated 19/8/2023

13. Fee Details

Year	Programs	Fee components	Fees (as approved by the State Government)	
			Government seat (G)	Management seat (M)
2021	CE	Tuition Fee	Rs. 22,500/-	Rs. 37,500/-
	ME	Special Fee	Rs. 2,500/-	Rs. 2,500/-
	EE	Exam Fee	Rs. 1,655/-	Rs. 1,655/-
	EC	CD Adm. Fee	Rs. 5,000/- Rs. 500/-	Rs. 5,000/- Rs. 500/-
2022	CE	Tuition Fee	Rs. 22,500/-	Rs. 37,500/-
	ME	Special Fee	Rs. 2,500/-	Rs. 2,500/-
	EE	Exam Fee	Rs. 1,740/-	Rs. 1,740/-
	EC	CD Adm. Fee	Rs. 5,000/- Rs. 500/-	Rs. 5,000/- Rs. 500/-
2023	CE	Tuition Fee	Rs. 22,500/-	Rs. 37,500/-
	ME	Special Fee	Rs. 2,500/-	Rs. 2,500/-
	EE	Exam Fee	Rs. 1,830/-	Rs. 1,830/-
	EC	CD Adm. Fee	Rs. 5,000/- Rs. 500/-	Rs. 5,000/- Rs. 500/-

14. Fee waiver details

Year	Programs	Fee waiver details		
		No. of fee waivers	Amount	Name of student
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
2022	CE	2	Rs. 22,500/-	Ms. Fasna A S, Mr. Adwaith Anil
	ME	1	Rs. 22,500/-	Mr. Abhijith A S
	EE	2	Rs. 22,500/-	Mr. Abhijith .A, Mr. Alan Abraham
	EC	1	Rs. 22,500/-	Mr. Shuhaib.H
2023	CE	1	Rs. 22,500/-	Ms. Nayana Sankar S
	ME	2	Rs. 22,500/-	Mr. Irfan N, Mr. Pranav Premjith
	EE	1	Rs. 22,500/-	Mr. Sreelesh B
	EC	2	Rs. 22,500/-	Mr. Vaisakh S, Mr. Hareendra Nath.M.R

15. Admission

Year of approval	Admission	Programs												Total
		CE			ME			EE			EC			
		G	M	T	G	M	T	G	M	T	G	M	T	
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
2022-2023	Sanctioned intake	32	30	62	31	30	61	32	30	62	31	30	61	240
	No. of students admitted	32	25	57	31	27	58	32	23	55	28	17	45	215
2023-2024	Sanctioned intake	31	30	61	32	30	62	31	30	61	32	30	62	240
	No. of students admitted	31	19	50	32	30	62	31	19	50	31	6	37	199

* 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
2022-2023	Sanctioned intake	3	3+3*	6	3+1*	3+3*	6	3	3+5*	6	3+5*	3	6	39
	No. of students admitted	3	6	9	4	6	10	3	8	11	8	1	9	39
2023-2024	Sanctioned intake	3+5*	3+8*	6	3+6*	3+7*	6	3+*4	3+9*	6	3+3*	3	6	65
	No. of students admitted	8	11	19	9	10	19	7	12	19	6	2	8	65

*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
2021	CE	Rs. 5000 (Girls with 80% above in10 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	
2022	CE	Rs. 5000 (Girls with 80% above in10 th) Rs. 15,000/- (rank below 5000) Rs. 10,000/- (rank 5000 -10000) Rs. 5000/- (rank 10000 -12000)	
	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	
2023	CE	Rs. 5000 (Girls with 80% above in10 th) Rs. 15,000/- (rank below 5000) Rs. 10,000/- (rank 5000 -10000) Rs. 5000/- (rank 10000 -12000)	
	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 | 10600 |
| 2. Number of Titles | 2392 |
| 3. Printed Journals | 15 |
| 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. Public Health Engineering Lab
11. Civil CAD Lab
12. Fluid Mechanics and Machines Lab
13. Automotive Lab
14. Thermal Engineering Lab
15. Refrigeration & Air conditioning Lab
16. Machine Shop
17. Mechanical Engineering Workshop
18. Engineering Mechanics Lab
19. Mechanical CAD Lab
20. Power System Lab
21. Electrical Measurement Lab
22. Electrical Engineering Workshop
23. Electrical Workshop Practice
24. Industrial Engineering Lab
25. Electrical Estimation Lab
26. Synchronous Machines Lab
27. Induction Machine Lab

28. DC Machines Lab
29. Fundamentals of Electrical & Electronics Lab
30. Professional Practice Lab
31. Electronics Circuits Lab
32. Principles of Electronic Communication Lab
33. Linear Integrated Circuits Lab
34. Digital Communication Lab
35. Industrial Automation Lab
36. Medical Electronics Lab
37. Digital Electronics Lab
38. Electronics Tinkering Workshop
39. Mini Project Lab
40. Fundamentals of C Programming Lab
41. PCB And Prototyping Workshop
42. Introduction to It Systems Lab
43. Microcontroller and Applications 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.