Jyothi Engineering College

Reaccredited with NAAC (Grade A) and NBA Programmes*

Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University
A CENTRE OF EXCELLENCE IN SCIENCE AND TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR
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*NBA accredited BTech Programmes in Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering valid till 2025, Mechatronics Engineering valid till 2026

ANNUAL REPORT 2023-24

1. UNDERGRADUATE AND POST-GRADUATE PROGRAMMES

The college started with four B. Tech. programmes viz. Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Information Technology in 2002 with an annual intake of 60 each. At present we have 8 UG Programmes and 5 PG Programmes namely – B.Tech – Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Mechatronics Engineering, Artificial Intelligence & Data Science, Computer Science & Engineering (Cyber Security) M.Tech. – Transportation Engineering, Computer Science & Engineering, Communication Engineering & Signal Processing, Power Electronics and Industrial Automation & Robotics. Due to the lack admissions in B.Tech Robotics & Automation, we closed this branch from the Academic year 2023-24. Also conducted Ph.D. Programmes in various departments.

2. ADMISSIONS

2.1 As per the Government Agreement, 50% seats were allotted to the Government to be filled by the Commissioner of Entrance Examination. The remaining 50% will be filled by the management of the college. In this 50%, 35% will be filled by the management and 15% by dependents of the Non Resident Indian category.

2.2 The seat allocation of Government & Management Quota

Programmes	Management Seats				Govt.	Grand Total
	Open	CC	NRI	Total		
Artificial Intelligence & Data Science	15	17	14	45	49*	94*
Civil Engineering	5	6	4	15	15	30
Computer Science & Engineering	30	33	27	90	99*	189*
Electronics& Communication Engineering	10	11	9	30	33*	63*
Electrical & Electronics Engineering	10	11	9	30	30	63*
Mechanical Engineering	10	11	9	30	30	63*
Mechatronics	10	11	9	30	33*	63*

Computer Science & Engineering (Cyber Security)	10	11	9	30	33*	63*
Total	**100**	**111**	**90**	**300**	**321**	**621**

*Including 5% Supernumerary Tuition Fee Waiver (TFW) Seats.

2.3 Current Year's Admission both in Government and Management Quota are Given Below

2.3.1 B. Tech. Admission 2024 – 25

BRANCH	GOVT		MANAGEMENT		TOTAL ADMITTED	OCCUPANCY RATE	VACANT SEATS
	QUOTA	ADMITTED	QUOTA	ADMITTED			
AD	45	**45**	45	**47**	**92**	97.87	2
CE	15	**11**	30	**16**	**27**	90.00	3
CS	90	**91**	90	**97**	**188**	99.47	1
EC	30	**31**	30	**32**	**63**	100.00	0
EE	30	**12**	30	**32**	**44**	73.33	16
ME	30	**18**	30	**25**	**43**	71.67	17
MR	30	**19**	30	**25**	**44**	73.33	19
CC	30	**27**	30	**36**	**63**	100.00	0
Total	**300**	**254**	**300**	**310**	**564**	**90.82**	**58**

2.3.2 M. Tech. Admission 2024 – 25

BRANCH	GOVT		MANAGEMENT		TOTAL ADMITTED	OCCUPANCY RATE	VACANT SEATS
	QUOTA	ADMITTED	QUOTA	ADMITTED			
Power Electronics	3	0	3	0	0	0	6
Computer Science and Engineering	3	3	3	3	6	100.00	0
Transportation Engineering	3	3	3	2	5	83.33	1
Communication Engineering & Signal Processing	3	0	3	0	0	0	6
Industrial Automation & Robotics	3	0	3	0	0	0	6

Total	15	6	15	5	11	36.67	19

2.3.3 Lateral Entry Admission

The management has decided to admit Lateral Entry Students in the Academic year 2024-25. 85 students have been admitted in the Lateral Entry scheme in this year in various branches.

2.3.4 Tuition Fee Waiver Scheme

At present the TFW Quota is 5% Supernumery seats. The selection and allotment of TFW candidates are done by the Commissioner for Entrance Examination. They need to pay only Special Fees throughout the course. Though the students were allotted considering the TFW Quota, the list of TFW candidates has not been released so far.

2.4 The current strength of the college is as follows:

Year of Admission				
U G Programmes				
Branch	2021	2022	2023	2024
AD	55	64	59	92
CE	43	30	25	27
CSE	126	124	183	188
ECE	43	57	54	63
EEE	34	49	45	44
ME	58	53	50	43
MR	26	29	44	44
RA	16	15	0	0
CC	0	0	44	63
TOTAL	401	421	504	564
P G Programmes				16
Grand Total				1,906

2.5 No. of students admitted Community-wise

Community	2021		2022		2023		2024	
	No.	%	No.	%	No.	%	No.	%
Hindu	168	41.90	186	44.18	245	48.61	281	49.82
Christian	195	48.62	185	43.94	190	37.70	213	37.77
Muslim	38	09.48	50	11.88	69	13.69	70	12.41
Total	401	100.00	421	100.00	504	100.00	564	100.00
SC/ST/OEC	49	10.65	48	10.21	53	10.52	68	12.06
OBC	133	28.91	156	33.19	171	33.92	199	35.28

Catholics	165	35.87	165	35.11	166	32.94	183	32.45
Catholics (TCR Diocese)	142	30.87	138	29.36	145	28.76	159	28.19
Non-Catholic Xians	26	05.65	27	05.74	24	04.76	30	05.32

3. MAJOR EVENTS

The IEEE Conference on Advances in Renewable Energy and Intelligent Systems (AREIS 2024), was successfully conducted on 5th & 6th December 2024. Prof. Muhammed Kasim S, Chair, IEEE Kerala Section was inaugurated the conference.

The 19th Graduation ceremony was officiated by Msgr. Jose Konikkara, Vicar General & Manager on 9th November 2024. The Chief Guest was Prof. Dr. V Rajendran, Vice Chancellor, AMET University.

World Environmental Day was celebrated with tree planting ceremony in association with Natura Environmental Forum on 5th June 2024.

Workshop on introduction to automobile technology & PLC was conducted by TATA –Jyothi IIIC on 14th August 2024.

The IEDC Boot camp on Girls Entrepreneurship Empowerment Programme was conducted on 23rd August 2024.

Inaugural function of Civil Engineering Association (CEA) of Civil Engineering Department in association with ISTE (Student Chapter) was held on 23rd August 2024.

The 23rd Induction Ceremony was held on 2nd September 2024. Mar. Tony Neelankavil was the chief guest of the function. We have marked an aggregate 90% of Admission to B. Tech courses this year.

The inauguration of the Computer Engineering Students Association - CESA was held on 4th September 2024.

Teacher's day celebrations were held on 5th September.

Talk on Innovation/Prototype Validation was conducted by the department of Mechatronics Engineering in association with MESA, IIC and IEDC on 6th September.

NSS Blood Donation camp was held on 12th September.

Jyothi Celebrated Onam of this year on 13th September with colourful events and followed by a 'Onasadya". The main attraction of the Onam celebration was the 'Mega Thiruvathira'.

Engineers Day celebrations was held on 7th September. Dr. P Sojan Lal (Kerala State Centre Committee Member, Computer Engineering Division, The Institution of Engineers (India) inaugurated the function.

Er. Joe Abraham, a Back-end Engineer at IBM India and a distinguished alumnus of our college, inaugurated ECSA on 27th September.

The Annual Techno Cultural fest - Tharang 2024 was conducted with various events by each department on 2nd and 3rd October. In connection with the techfest, the Moto Expo "Revoque" was inaugurated by Mr. V. S. Sunil Kumar, former Minister for Agriculture, Government of Kerala.

NASA Space App Challenge - 2024 was held on 5th and 6th October with the highest number of Registrations among all centres.

The inaugurations of various student associations and professional bodies were held during the month of September with eminent personalities in their respective periods.

4. PTA & ALUMNAE ASSOCIATION

4.1 Our Parent Teacher Association is a strong spokesperson for the college. They stood with the college at the times of crisis, Minor Student Unrest etc. Thanks to PTA office bearers especially to President Adv. Biju Kundukulam who supported all activities of Parent Teacher Association and his team. . The PTA has established an Endowment of Rs. 3,00,000/-, the interest of the same amount will be disbursed as scholarship to eligible students every year. The PTA has elected Mr. Hareedranathan A. K., and Dr. Anitha Jacob as Vice President and Joint Secretary respectively.

4.2 The Alumnae Association started in 2007 is growing in size and depth. A welcome action taken by the 2006 Electrical Engineering Batch is that they instituted an endowment of Rs. 55,000/- to give an award to the best outgoing Electrical Engineering student in memory of late Litto Peter of that batch.

The alumnae of 2011 Mechanical batch graduates established an Endowment of Rs. 75,000/- to give a scholarship of Rs. 5000/- per annum to a deserving candidate.

The alumnae association has donated Rs. 1,00,000/- towards an alumnae endowment from which the best final year student will be awarded each year.

Endowment by the Family of Fr. John Tharayil: Rev. Fr. John Tharyil's family instituted an Endowment of Rs. 2,00,000/-. The interest of the endowment will be used for promoting students' of first year batch.

5. RESULT

Percentage of pass out students is 69.67% for the year 2024. The Principal will be presented the detailed result analysis. Detailed result analysis is attached as Annexure 1

6. PLACEMENT

6.1 Mr. Bibin Joy has been working as the Placement Officer. The Registrar will be separately presenting the Placement details. Detailed Placement statistics is attached as Annexure 2

6.2 TBI (Technology Business Incubator), IEDC (Innovation and Entrepreneurship Development Cell) and Start-ups are functioning well in the college.

7. HUMAN RESOURCES MANAGEMENT

7.1. Fr. Ajeesh Babu Perinchery is heading the team of Human Resource.

7.2. **Ph.D. Programmes** : 24 Research Scholars doing their Ph. D programmes at Jyothi Engineering college. 46 faculty members are doing their Ph.D. programmes in various universities.

7.3 Faculty Position

The present cadre-wise faculty positions are as follows:

Directors	-	01 No.
Registrar	-	01 No
Principal	-	01 No.
Vice Principal	-	01 No.
Professors	-	11 Nos.
Associate Professors	-	20 Nos.
Asst. Professors	-	112 Nos.
Librarian	-	01 No.

Total -		**144 Nos.**
		========

7.4 The Qualification-wise Faculty Positions are also given below

Ph.D. Holders	-	35 Nos.
M.Tech	-	88 Nos.
M.Sc., M.Phil	-	04 Nos.
M.Sc./MA/M.Com	-	16 Nos.
M PEd.	-	01 No.

Total	-	**144 Nos.**
		=======
Faculty pursuing Ph.D	-	**46 Nos.**

7.5 The prescribed Faculty-Student Ratio is 1:20 in UG Programmes. Most of the Engineering Colleges face a shortage of qualified and experienced faculty especially in Associate Professor and Professor Levels. We are fortunate that we have required number of Faculty at Professor & Associate Professor Levels. Our faculty selection ratio is also good.

7.6 Non-Teaching Staff

Present strength of Non-Teaching Staff is as follows:

1.	Lab and Library Staff	-	44 Nos.
2.	Office Staff and Project Staff	-	15 Nos.
3.	Rev. Sisters	-	<u>02 Nos.</u>
			61 Nos.

7.7 Salary Structure of Teachers

All the faculty members are paid in the AICTE Scales. Retired Professors' salary is fixed after negotiating with them. Their salary is fixed after negotiating with them on the basis of their qualification and experience. Those who are on the regular Scale are paid 57% DA + HRA @Rs. 250/-.

7.8. Pay Structure of Non-Teaching Staff

The Pay Scales of Non-Teaching Staff was revised in line with the Government of Kerala Pay Revision 2016 w.e.f. 01.06.2016. The employees are covered by EPF and ESI Schemes. The current DA for Non-Teaching Staff is 12% w.e.f. 01.10.2024.

8. SPIRITUAL ACTIVITIES

8.1. Holy Mass for the Catholic Students is celebrated in the College Chapel every day.

8.2 On all first Fridays there is Holy Mass for all the Catholic Students and arrangements for Confession are available.

8.3 Everyday half an hour is set apart for prayer for all the students in the hostels.

8.4 There are daily morning prayers at the beginning of the class and classes close with the college Anthem played through public address system.

9. FEE STRUCTURE

As per the Supreme Court directives, a Fee Regulatory Committee constituted by the State Government fixes the fee structure. Presently Justice Denesan is entrusted with this function. The existing fee structure of our college is given below:

B.Tech	Rs.	M.Tech	Rs.
Tuition Fee / Semester One Time Fee	45,250 2,500	Tuition Fee / Semester# One time fees	45,000 2,150
Special Fee per Semester (from 2nd Semester onwards)	2,000	Special Fee per year (from 2nd Semester onwards)	1,500
Caution Deposit University fees & Value Added Courses	10,000 5,000	Caution Deposit Less. Scholarship	5000 25,000
Total fee at the Time of Admission. For 2nd to 8th Semester the fee is Rs. 50,250/-	62,750	Net fee Payable for S1 For 2nd to 4th Semester	27,150 21,500.00

The government prescribed fee for B. Tech courses are Rs. 1,00,500/-. We are collecting only Rs. 90,000/- from each student giving the a scholarship of Rs. 10,000/-

The Government has fixed a Tuition fee of Rs. 45,000/- plus Special Fee of Rs. 10,000/- per semester for M. Tech. But we are charging only Rs. 21,000/- per semester.

9.1 The Fee structure is uniform for both Government and Management Quota Students.

10. ADMISSION 2024– 25

New Admission strategy to attract more students has been planned considering the stiff competition in admission. More scholarships have proposed for all branches except Computer Science related branches.

KEAM Rank 1 – 5000/- Rs. 75,000/- as scholarship.   5001-10,000 – Rs. 45,000/- as schoplarship, 10001-15000 – Rs. 25000/- as Scholarship.   15001-20000 - Rs.20,000/- as scholarship, 20001-25000 – Rs. 15,000/- as scholarship.

11. SCHOLARSHIPS

Our College is very generous in granting Scholarships to needy students. We are granting scholarships on Merit and Merit-Cum-Means basis. The Scholarships granted in the 1st year will continue till the final year if the recipients show a satisfactory academic performance. The list given below shows the Management Scholarship granted under different schemes during the year 2023-24.

11.1 Management Scholarship Abstract for the Financial year 2023-24

Management Scholarship based on Family income and Marks obtained: -

Departmental Scholarship (Including LET Admission)	-	Rs. 73,06,000.00
Scholarships (Special cases)	-	Rs. 4,84,205.00
Management Merit Scholarship (KEAM Rank up to 5000)	-	Rs. 1,12,500.00
Management Merit Scholarship (KEAM Rank 5001-10000)	-	Rs. 1,31,250.00
Management Merit Scholarship (KEAM Rank 10001-15000)	-	Rs. 2,70,000.00
Management Merit Scholarship (KEAM Rank 15001-20000)	-	Rs. 2,10,000.00
Management Merit Scholarship (KEAM Rank 20001-25000)	-	Rs. 2,05,000.00
Scholarship based on Plus Two marks scored – (90 to 94%)	-	Rs. 1,90,000.00
Scholarship based on Plus Two marks scored – (95% and above	-	Rs. 8,20,000.00
Tution Fee Waiver scholarships - 2020 Batch	-	Rs. 19,12,500.00
Tution Fee Waiver scholarships - 2021 Batch	-	Rs. 15,00,000.00
Tution Fee Waiver scholarships - 2022 Batch	-	Rs. 11,25,000.00
Tution Fee Waiver scholarships - 2023 Batch	-	Rs. 15,00,000.00
Management Scholarship (2023-24 Batch)	-	Rs. 50,63,800.00
KEAM Scholarship 2020 Batch	-	Rs. 4,32,500.00
KEAM Scholarship 2021 Batch	-	Rs. 8,65,040.00
KEAM Scholarship 2022 Batch	-	Rs. 9,27,930.00
KEAM Scholarship 2023 Batch	-	Rs. 9,62,740.00
Hostel Scholarship	-	Rs. 15,600.00

11.2 Scholarships from Government

In addition to the above scholarship, SC, ST & OEC Students are given E-grants by the State Govt. The E-grants disbursed to these students during the year 2022-23 was Rs. 1,13,66,288.00.

12. HOSTEL

12.1 The capacity and the occupancy of the Hostels are as follows :

	Capacity	Present Occupancy Student + Staff
Santhome Boys Hostel-	250	193 + 13
Marian Girls Hostel -	300	169 + 02

Fr. Anson Neelankavil is rendering as Chief Warden of the hostels and Warden of Santhome Hostel. Rev. Sr. Raimy, Rev. Sr. Mini Thonnamakkal & Rev. Sister Soniya Kurian of SDV are serving as the Wardens of the Marian Ladies Hostel.

12.2 Ours is a Wi-Fi enabled campus.   CCTV with 125 cameras has been installed.

13. TRANSPORTATION

The college is operating 21 Buses from various parts of Thrissur, Palakkad and Malappuram Districts. The operation of the bus is out sourced. It has been entrusted to two different agencies. An Air Conditioned Staff Car is provided for the exclusive use of the senior faculty members. The Bus donated by PTA is also makes service.

14. GREAT ACADEMIC ACHIEVEMENTS

14.1 Jyothi Engineering College has re-accredited by National Assessment and Accreditation Council (NAAC) with 'A' grade. Five of our B. Tech branches (CE, CS, EC, EE & ME) has been re-accredited by National Board of Accreditation (NBA) up to June 2025. The B. Tech. Mechatronics Engineering Branch has recently accredited by NBA up to June 2026.

14.2 Memorandum of Undertaking: The College has signed MoUs with various institutions and Industries.

14.3 All department associations and professional bodies are functioning very well in the campus.

15. LOOKING FORWARD

Twenty-four years have passed since the formation of the Trust and 22 years since the establishment of the college. Only the institution which looks forward can survive and excel. We have already received NBA Accreditation for all the eligible UG Programmes and NAAC re-accreditation with 'A' grade.
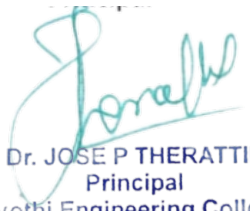
16. FINANCIAL POSITION

The audited accounts of the financial year 2023-24 is presented separately.

16. CONCLUSION

My sincere thanks to H.G. Mar. Andrews Thazhath, Our Chairman for his eminent guidance and continued Patronage without which it would have been impossible for us to achieve the present excellence of the institution. I extend our special thanks to V. Rev. Msgr. Jose Konikkara, President of the Trust for his prudent leadership and keen interest in the college. He takes a lot of pains despite his hectic schedule as Vicar General. Our sincere thanks to Dr. V M Xaviour, Registrar for his valuable service to the College.   I thank the Board of Governors, Members of the Executive and the Internal Auditors, Rev. Fr. Dominic Thalakkodan and Fr. Jijo Kapilamnirappel for their valuable service. Our special thanks to Sr. Raimy, Sr. Mini, and Sr. Soniya for their services as Assistant wardens in the Marian Ladies Hostel.   Also my sincere thanks to all the Trustees for their keen interest in the development of the college. I thank CA Jose Pottokkaren and his team of Professionals for their valuable service. I express my sincere thanks to all the Heads of Departments, the Faculty members, the Non-teaching staff and each and every one of the staff in the college for their earnest contribution. Also, my sincere thanks to the students for having kept good discipline, creativity, co-operation and tension free campus & hostels and a good campus culture in the last year.

I conclude this report thanking the Almighty for His abundant blessings on our Institution and pray for strength to fulfill our endeavor of molding young people as value based professionals.

Dr. JOSE P THERATTIL
Principal
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