

AUGMENTATION INITIATIVES AT JCE

The **Augmentation Cell** of our College supports student development by offering quality learning initiatives through NPTEL, IIT PALS, foreign language study, career guidance, competitive exams training etc.,

- The **NPTEL Local Chapter** at our Institution - LC 739, facilitates high quality learning avenues to our students through online Courses offered by various IITs and IISCs, since 2014. Students are encouraged to enroll for courses under various domains of interest and faculty mentors are assigned to guide them and ensure effective learning. To list a few, Emerging Technologies such as Cloud Computing, Introduction to Artificial Intelligence, Internet of Things; Information Technology Courses such as Software Testing, Database Management; Core Technology courses such as Digital Electronics, Antennas; Socially relevant courses such as Renewable Energy, Organizational Behaviour, have been taken up by students with great zeal. Students have received IIT Certifications after successful completion of courses. The Local Chapter has been recognized by NPTEL as ‘**Active local Chapter**’ and the Single Point of Contact (SPOC) has been awarded with appreciation Certificate as ‘**Active SPOC**’, consecutively since 2021-2022 based on participation and performance metrics.

NPTEL	Enrollments	
Semester	No	Courses
2022-23 (ODD)	495	79
2022-23 (EVEN)	560	72
2023-24 (ODD)	476	101
2023-24 (EVEN)	648	109
2024-25 (ODD)	350	93
2024-25 (EVEN)	225	96
2025-26 (ODD)	875	183
2025-26 (EVEN)	458	130

NPTEL TOP PERFORMERS - 2024-25 ODD SEMESTER

DEPT	NAME	CATEGORY	TOPPER	COURSE
CS	Ms. Preethika	ELITE+Gold		Practical Cyber Security for Cyber Security Practitioners

CS	Ms. Isha Devi	ELITE+Gold		Practical Cyber Security for Cyber Security Practitioners
EEE	S RUDHRA AP/EEE	ELITE+Silver	Topper of 1% in this course	Introduction to Industry 4.0 and Industrial Internet of Things

NPTEL TOP PERFORMERS : 2024-25 EVEN SEMESTER

S.NO	NAME	DEPT	CATEGORY	TOPPER	COURSE
1	Dr P ANURADHA	MATHS	Elite+Silver	Topper of this course	Computational Mathematics with SageMath
2	Dr G T BHARATHY	ECE	Elite+Silver	Topper of 5% in this course	Introduction to Professional Scientific Communication
3	Dr G T BHARATHY	ECE	Elite+gold	Topper of 5% in this course	Effective Engineering Teaching In Practice

NPTEL AWARDEES 2024-25

S.NO	NAME	DEPT	CATEGORY	SESSION
1	DR TAMILSELVI T	ECE	NPTEL_DISCIPLINE_STARS	Jul-Dec 2024
2	DR G T BHARATHY	ECE	NPTEL_BELIEVERS	Jan-Apr 2025
3	DR TAMILSELVI T	ECE	NPTEL_MOTIVATED_LEARNERS	Jan-Apr 2025
4	DR G T BHARATHY	ECE	NPTEL_DOMAIN_SCHOLARS	Jan-Apr 2025
5	DR.SHEEJA V FRANCIS	ECE	ACTIVE NPTEL SPOC APPRECIATION CERTIFICATE	Jul-Dec 2024
6	DR.SHEEJA V FRANCIS	ECE	ACTIVE NPTEL SPOC APPRECIATION CERTIFICATE	Jan-Apr 2025

NPTEL TOP PERFORMERS ODD 2025-26

S.NO	NAME	DEPT	CATEGORY	COURSE
1	Dr.E.SINDHUJA	PHY	Elite+Gold	
2	DR.B.ANITHA	PHY	Elite+Gold	Environmental Impact Assessment
3	MENAKA B	ECE	Elite+Gold	IOT
4	JOBIN GEO	BME	Elite+Gold	Programming in JAVA

NPTEL TOP PERFORMERS EVEN 2025-26

S.NO	NAME	DEPT	CATEGORY	COURSE
1	Ms. MAHALAKSHMI P	CSE	Elite+Gold	Human Computer Interaction
2	Ms. DEVIPRIYA S	CSE	Elite+Gold	Joy of Computing Using Python
3	Ms.ISHWARYA	Civil	Elite+Gold	Environmental Impact Assessment
4	Ms.R.RACHEL	Cyber Security	Elite+Silver	Software Testing
3	Mr. HARISH	CSE	Elite+gold	Programming in JAVA

NPTEL AWARDEES 2025-26

S.NO	NAME	DEPT	CATEGORY	SESSION
1	MS.S.A. SARANYA	ECE	NPTEL_ MOTIVATED LEARNER, BELIEVER, DISCIPLINE STAR	Jul-Dec 2025
2	MS. MALATHY	ECE	NPTEL_DISCIPLINE STAR	Jul-Dec 2025
3	DR.G.MERLIN SHEEBA	ECE	NPTEL_BELIEVER	Jul-Dec 2025
4	DR G T BHARATHY	ECE	NPTEL_DISCIPLINE_STAR	Jul-Dec 2025
5	DR.G.MERLIN SHEEBA	ECE	NPTEL_DOMAIN _STAR	Jan-Apr 2026
6	DR G T BHARATHY	ECE	NPTEL_DISCIPLINE_STAR	Jan-Apr 2026
7	MS.PUSHPAVALLI	IT	NPTEL_STAR	Jan-Apr 2026
8	DR.SHEEJA V FRANCIS	ECE	ACTIVE NPTEL SPOC APPRECIATION CERTIFICATE	Jul-Dec 2025
9	DR.SHEEJA V FRANCIS	ECE	ACTIVE NPTEL SPOC APPRECIATION CERTIFICATE	Jan-Apr 2026

- **Institutional partnership with IIT PALS** an IIT Alumni Academic venture, opens a plethora of intellectual opportunities to the students in the form of Lectures on Emerging technical areas, Industrial Visits, IIT Research park visits, Hackathons, product development, Entrepreneurship avenues etc., It also develops leadership skills in students through the selection process of Student ambassadors, who are trained through workshops and involved in organizing various student centric events.

2025 - 26

S.No	Hackathon Events	Participant Details
1	PALS innowah! Finals–A product development competition was conducted on 28.03.2026 at IITM Research Park, Chennai	A team of students from the department of Cyber Security participated in the finals of

		PALS innowah!
2	PALS Think2Impact - Industry Workshop for students was conducted on 28.01.2026 at Tagore Engineering College, Chennai	3 teams (ECE, AIML, and CS) participated in the event. The team from AIML has received special appreciation and a cash award of Rs.2000/-
3	Tinkathon was conducted on 23.10.25 at Sri Sairam Engineering College, Chennai	10 students representing each department participated.
4	PALS TurboTech Hackathon 2025, an online event on the Kaggle platform, was conducted on 08.10.2025	2 teams (1 from AI & DS, 1 from AI & ML) participated. The team from AI & DS secured the first prize of Rs.2000/- in Track 2, "Multi-label Text Embedding Classification." They were also shortlisted for internship interviews with BUDDI. AI
5	Min-t-athon, an online event, was conducted on 08.10.2025	5 teams (1 each from AI & DS, AI & ML, CSE, CS, ECE) participated
6	PALS-AIC Pitch Fest was conducted on 01.08.2025 & 02.08.2025 at Anna University	III-year IT students Ms. AnnaPoorani K V and Ms. Fathima Jasna A participated and won the third prize of Rs 12.500/-
7	TechZooka by Infosys, an online event, was conducted on 08.08.2025	Team from CS& BS and ECE was internally selected to apply for TechZooka, and one team was shortlisted in the top 31 teams in Round 1.

2024 - 25

S.No	Hackathon Events	Participant Details
1	PALS innowah! Finals—A product development competition was conducted on 01.02.2025 at KCG College of Technology, Chennai	4 teams (BME-1, ECE-1, EEE-1, CSE-1) participated.
2	Tinkathon was conducted on 01.10.2024 at	10 students participated

	Student Activity Centre,IIT,Chennai	
3	PALS ANALYZE CASE STUDY: an online event conducted on 26.08.2024.	Team from BME has bagged Second Place in Core Engineering - PALS ANALYZE CASE STUDY

2023 - 24

S.No	Hackathon Events	Participant Details
1	Real-Time Industry Project with Startup from IIT Madras RP by Thouway Technologies Pvt Ltd, an online event, was conducted on 10.05.2024	Joshwa Soloman (III-EEE) and Nithish Roy (III-ECE) were selected. Dr. S. Vinod - Faculty Mentor
2	Cyber Security Tech Conclave was conducted on 06.03.2024 at IIT Research Park Madras	II year students of Cyber Security received Certificate of Appreciation for achieving the highest score among participants from our institute in the CTF Qualifier Round
3	PALS innowah! Finals–A product development competition was conducted on 23.03.2024 at IITM Research Park, Chennai	4 students teams (one team each from ECE, CSE, IT, and EEE) participated in the innoWAH! Finals
4	Thinkathon Workshop was conducted on 17.11.2023 at Loyola ICAM College of Engineering and Technology, Chennai	Total of 10 students from BME, CSE, ECE, and EEE participated
5	PALS ANALYZE CASE STUDY: an online event conducted from 12.09.2023 to 14.09.2023.	Team from BME has bagged second place in Core Engineering - PALS ANALYZE CASE STUDY

- Introductory courses in **French, Japanese and German languages** are provided at the college premises. The language Courses are conducted for students during evening time to improve their language skills for career development.
- **Career guidance** and motivational lectures by Alumni, External guests and faculty members are organized frequently. Orientation programmes are organized on pursuing **higher studies and competitive examinations** like GATE, GMAT,GRE, TOEFL,IELTS etc. Also awareness programs and workshops are organized on **UPSC exams preparation** for interested students.

‘Augment – Equip – Excel’



Fig.1 Awareness Programs on Higher Studies and UPSC Exam preparation

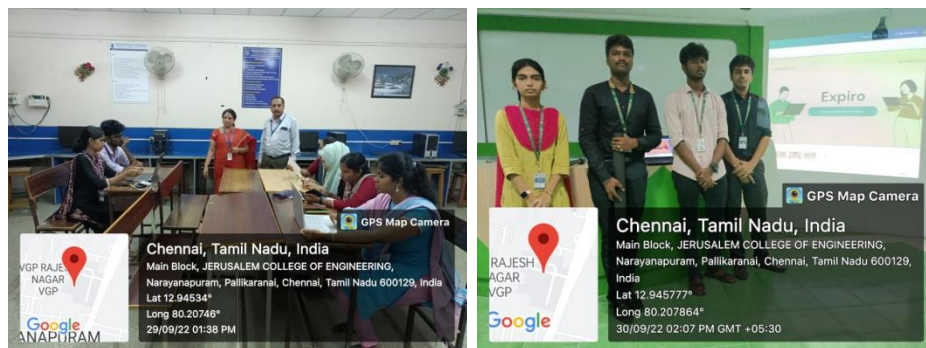


Fig. 2 IITPALS Programs on Innawah Hackathons



Banner :

 PALS 2022 - 23		
PALS TECHNOLOGY SPEAKS		
SPEAKERS  Mr. S Subramanian (Subbu), PALS Champion &  Mr. S Bharanidharan, PALS Champion		
TOPIC ChatGPT - TIPPING POINT FOR AI?		
Date : 19 th JANUARY 2023 Time : 01.30 PM - 03.30 PM VIRTUAL EVENT (Contact Organizer for more details)		
PHONE +91 98416 39338 EMAIL palspgm@palspgm.com WEB SITE www.palspgm.com	With the Support from IIT MADRAS	IIT Madras Alumni Association Office, CCW building, IIT M Campus, Chennai - 600 036

Fig. 3 IITPALS Online Programs on recent trends in Technology- Live streaming and Co-hosting events

JCE Co-hosted the Online Event –Technology Speaks and Our Student team presented on the topic "Chat GPT – Tipping Point for AI?"



Fig.4 Students visit to Incubation Centre in IIT –M Research Park



Fig.5 IITPALS Hackathon finalists display projects in exhibition at IITM



Fig. 6 Foreign Language Studies –Introductory Courses in French & German