



IIT PALAKKAD

# IIT PALAKKAD

UNDERGRADUATE ADMISSIONS BROCHURE 2024



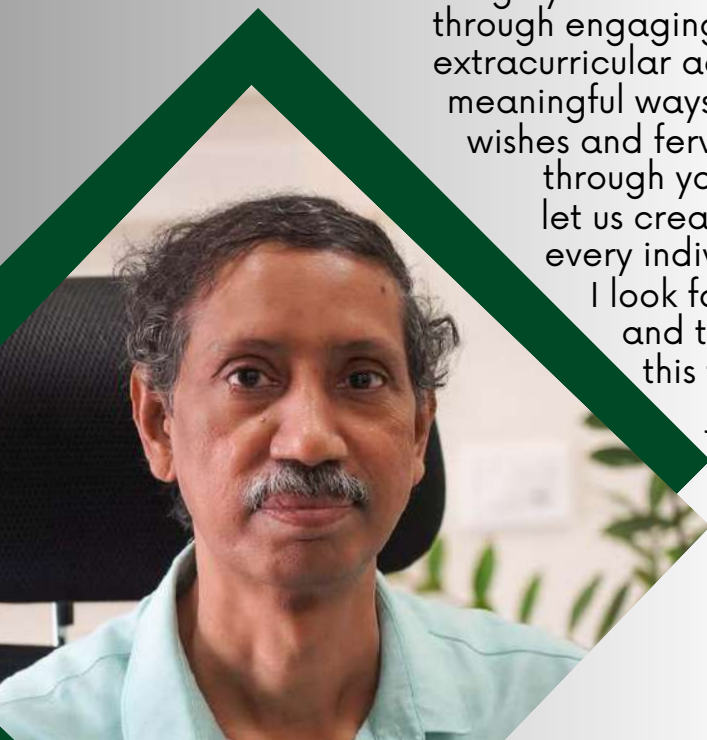
# DIRECTOR'S MESSAGE

"Learning is nothing but lighting up a fire, the most potent impression that harbingers triumph." A hearty welcome to each one of you as you embark on this exciting journey of enriching and expanding your talented self. This is a significant milestone that marks the beginning of new opportunities, challenges, and personal growth. We at IIT Palakkad as a community are dedicated to fostering the intellectual and critical curiosity in you. A sense of exhilaration fills me as I extend a warm welcome to you all as the incoming B.Tech batch of 2024-25 to IIT Palakkad.

Our Institute community has rapidly carved its niche in striving towards excellence. We are proud to be part of the rich academic heritage of the Indian Institutes of Technology and are committed to upholding the highest standards of excellence in everything we do. As our 10<sup>th</sup> batch, you are being joyously welcomed to experience our new permanent campus, Sahyadri, and a plethora of choices and opportunities, which, when embraced, lead you to realize your dreams and see them come true. We take to heart our motto, "Nurturing Minds for a Better World" and it has inspired us to create and invest in state-of-the-art facilities and a well-equipped innovation lab, providing the best facilities and resources that you will require as you deep-dive into this process of learning and capacity-building. Our campus buzzes with excitement as students engage in a myriad of activities, from academic pursuits to cultural events, sports, arts and other community service initiatives. In addition to our robust academic programs we offer a wealth of opportunities for holistic development.

I encourage you to make the most of your time here, whether it be through engaging in cutting-edge research, participating in extracurricular activities, or contributing to our community in meaningful ways. Once again, with a heart filled with warm wishes and fervent aspirations for you, and for our institute through you, I welcome you to join our team. Together let us create a vibrant and inclusive community where every individual is empowered to thrive and succeed.

I look forward to witnessing your journey of growth and transformation during your time with us. May this turn out to be a momentous and meaningful journey that you will cherish all through your life.



**Prof. A. Seshadri Sekhar**

Director, IIT Palakkad

# HELLO EVERYONE...

To all the new students of the BTech batch 2024-25, a warm welcome! Congratulations on your incredible achievement in the JEE Advanced 2024 - a testament of your hard work and dedication. Choosing the right institution is a crucial decision and IIT Palakkad stands out as a premier choice for several compelling reasons. As a high-spirited community where academic excellence meets a dynamic campus life, we believe in creating an environment where students can strive both intellectually and personally. Our state-of-the-art facilities, provide a perfect backdrop for innovation, creativity and holistic development.

"Home away from home" isn't just a clichéd phrase here, it's a lived experience. A supportive network of peers, faculty and staff committed to your success and well-being await you. As the Students' General Secretary, my role, along with the Student Affairs Council (SAC), is to ensure that your student life is enriching and seamless. We organize a variety of activities and events that help you unwind, explore new passions and develop skills beyond the classroom. SAC and its council roles are also about numerous leadership opportunities through which you can make meaningful contributions to the campus community. At IIT Palakkad, you will have the freedom to explore your academic interests deeply. The Choice Based Credit System (CBCS), enables you to customize your learning experience by pursuing minors, dual majors or dual degrees. Additionally, our emphasis on research and innovation affords plenty of opportunities to engage in cutting-edge projects and collaborate with experts in various fields.

But life at IIT Palakkad isn't just about academics, it's about building friendships, discovering new talents and creating lasting memories. Whether it's through joining clubs, participating in sports, getting involved in cultural activities or technical clubs, there's something here for everyone. As you prepare to embark on this exciting journey, know that you are not alone, the whole IIT Palakkad Family and I are here to support you every step of the way. I am confident that your time at IIT Palakkad will be filled with growth, joy memories and countless achievements. Looking forward to welcoming you to our campus soon!



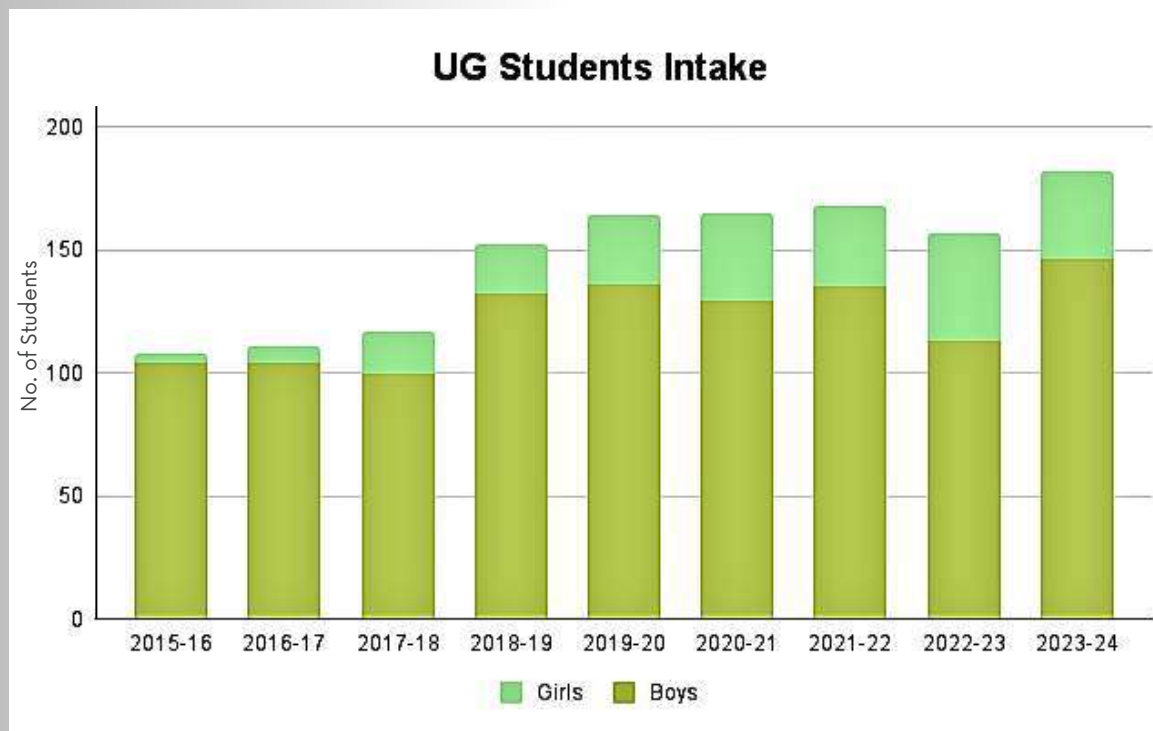
**Karthikeya B**

Students' General Secretary, IIT Palakkad



## A WARM WELCOME

IIT Palakkad opened its doors to the world in 2015 with an inaugural batch of 106 students. Over the past nine years, the institute has seen remarkable growth in the student body, staff and faculty numbers, infrastructure and areas of expertise. A total of **1307** undergraduate students have been admitted since its inception. Currently, there are **666** undergraduate students enrolled - **516** boys and **150** girls, which results in a gender ratio of **3.44:1**. We are delighted to welcome you as the 10th batch of IIT Palakkad, a group that is diverse and inclusive across all ethnicities and genders.



# HOLISTIC EDUCATIVE CULTURE

IIT Palakkad provides students a world of opportunities to stand out in the crowd and to discover themselves in the process. Our perception of education is broad, multidisciplinary and holistic. Students are academically empowered, scientifically aware and socially responsible. In this academic year, the new curriculum which came into effect in the academic year 2022-23, will continue to provide increased autonomy in the learning process and flexibility to carve the career path of your choice. There are also many avenues available for students to actively engage in and benefit from co-curricular and extra-curricular activities.

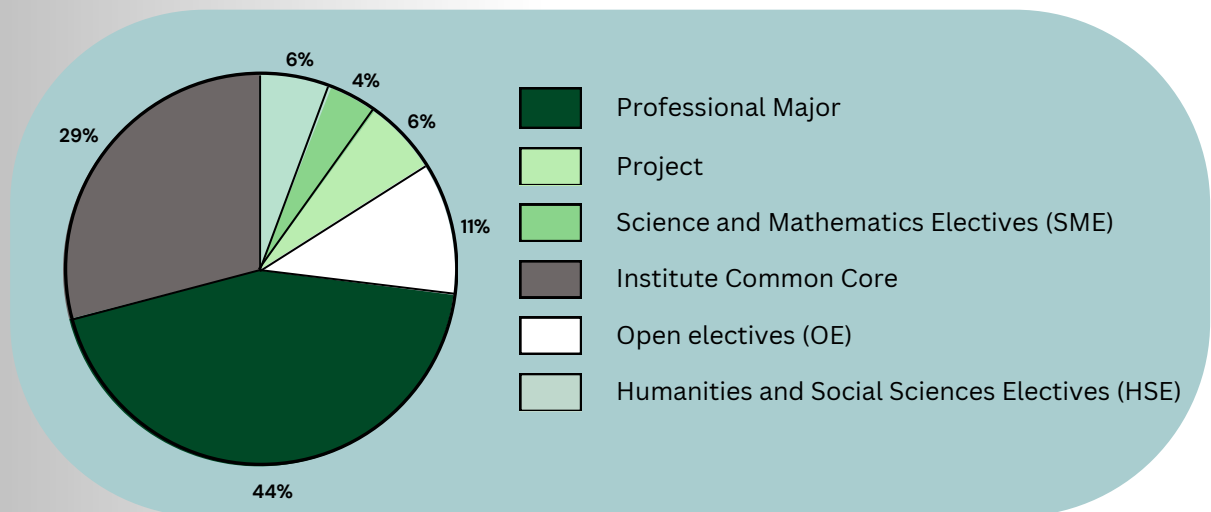
## A Few Institutionalised Practices

- ▶ **Extra Mural Lectures (EML)** aim to expose students to a variety of topics beyond their curriculum and also provide a platform for students to interact/exchange ideas with accomplished speakers from various walks of life.
- ▶ **Periodic Public Lectures and Institute Colloquium** on different topics of contemporary interest by internationally acclaimed scientists and intellectuals. Regular talks on topics across all domains of knowledge.
- ▶ Leveraging government initiatives like the **National Service Scheme** to impart and hone life skills.
- ▶ Helping students cultivate managerial, organizational and leadership skills via active participation in many of the **Institute's committees and student-run clubs.**
- ▶ Gender sensitization programs, outreach activities and talks on relevant topics organized by **Kadambini**, the women's forum of IIT Palakkad

# CREDIT-BASED CURRICULUM

**IIT Palakkad** aims to provide students with a well balanced education by integrating the courses in engineering, sciences, mathematics, humanities and social sciences. The new curriculum permits students to explore entrepreneurship activities. Students get exposure to courses that are directly relevant to industry.

- ▶ Multiple degree options for students under the new system: Minor, Major, Honours, Double Major, B.Tech - M.Tech Dual Degree.
- ▶ Selected courses in dual degree programs are run in collaboration with industry partners.
- ▶ Possibility of long term internship in industry.
- ▶ Emphasis on project oriented learning.



"Working with the Career Development Centre (CDC) enabled me to gain a comprehensive understanding of the diverse career opportunities available. I expanded my connections within the industry and enhanced my soft skills. I am grateful to the CDC team for providing me with the opportunity to kick start my career."

**Gopikrishna Prabhu P.D**

ME Undergraduate, Class of 2024  
Placed at Sedemac Mechatronics

# WORLD OF LEARNING

## Academic Highlights at IIT Palakkad

- ▶ Strong investment in the notion of synergy and in a dynamic interrelationship between research, theory and practice in academics.
- ▶ Impressive student-faculty ratio of 10:1
- ▶ Various modes of education and evaluation to ensure effective learning.
- ▶ Continuous evaluation and regular assessment of student performance.

## IIT Palakkad offers undergraduate programs in five engineering streams

- ▶ Civil Engineering
- ▶ Computer Science and Engineering
- ▶ Data Science and Engineering
- ▶ Electrical Engineering
- ▶ Mechanical Engineering

"I would like to express my sincere gratitude to my institute, the Indian Institute of Technology Palakkad, for the incredible opportunity to study abroad and successfully complete my B.Tech thesis. The institute's dedication to establishing International Student Exchange programs has significantly contributed to my academic and personal growth, fostering both independence and collaborative work with the professors there. Additionally, I deeply appreciate the support and encouragement from my faculty members, Dr. Sabarimalai Manikandan and Prof. Linga Reddy, as well as the staff. Their guidance, mentoring, and unwavering support have been invaluable throughout my thesis journey."

### **Nandam Sreevidya**

Batch 2020, EE Department

(IIT Palakkad-University of Agder, Norway, Exchange Programme)



# SEAT MATRIX

DEPARTMENT	SANCTIONED INTAKE
CE	40
CSE	40
DSE	40
EE	40
ME	40

“IIT Palakkad has a credit-based UG curriculum, which retains academic rigor while offering flexibility. The curriculum gives students the freedom to design their own course path or follow a conventional structure, based on their preference. While providing ample opportunities for students to take electives in their area of interest, the curriculum ensures a well-rounded education with required courses in basic sciences, mathematics, engineering, and humanities and social sciences. Students are also encouraged to do more hands-on courses with several avenues for doing projects, readying them for roles in startups, and industry. For students who may want to pursue higher studies, the 'BTech with honours' option would be very attractive. Similarly, for students who wish to pursue a career in research, options to take up research-oriented projects and the honours programme by research are available.

Acknowledging that roles in the real world are more, and more multi-disciplinary, IIT Palakkad has provisions for students to graduate with a minor in a subject area, or to even graduate with majors in two departments. Thus, students have the possibility of formally show-casing their expertise in an additional area, different from the one they were admitted to, based on their interest. With state-of-the-art labs, classrooms, and libraries in IIT Palakkad’s own permanent campus, and a flexible curriculum, the institute aims to give the best educational experience to students.”

**Prof. Anand T N C**  
Dean (Academics)





# BEING HANDS-ON

## Open Ended Lab/Projects (OELP)

Open Ended Lab/Projects encourage students to carry out research in their fields of interest and to create or study something that has real world implications. More than 100 students took up OELP projects offered by various engineering and science departments.

## Explore some fascinating projects from areas like:

- ▶ Biomedical signal analytics
- ▶ Drone based imaging platform
- ▶ Path planning-UGVS
- ▶ Deep learning
- ▶ Renewable energy systems
- ▶ Hydroclimatic data analysis

## State-of-the-art Research Facilities

- ▶ Central Instrumentation Facility
- ▶ Central Micro-Nano Fabrication Facility
- ▶ Central Facility for Materials and Manufacturing Engineering
- ▶ Chandra-High Performance Computing Cluster



# EXPERIENCE OUR VIBRANT CAMPUS LIFE



- ▶ Festivals including Diwali, Onam and Holi are celebrated enthusiastically by the Institute community.
- ▶ The annual student fest, Petrichor, is the biggest techno-cultural event in our student calendar.
- ▶ Fully operational permanent campus Sahyadri, equipped for all academic and cultural undertakings.
- ▶ Events of the Society for the Promotion of Indian Classical Music And Culture Amongst Youth (SPIC MACAY) and Ek Bharat Shreshtha Bharat (EBSB) are regularly hosted on campus.
- ▶ As many as 27 student-run clubs, both cultural and technical, host regular events. These include Robotics club, Finance club, Fitness club, Coding club, several Cultural and Sports clubs, to name a few.

# SPORTS AT IIT PALAKKAD

At IIT Palakkad, the spirit of competition and excellence extends far beyond the classroom. The institute boasts state-of-the-art in-house facilities for football, volleyball, basketball, badminton, table tennis, and cricket. Our campus is also equipped with a modern gymnasium to promote fitness among students. Professional coaches for these games and athletics visit the campus regularly, providing expert training. Additionally, the Institute has an active fitness and games club that organizes various activities and events. Intra-institute tournaments like General Championship (GC) and Sportacus offer students vibrant opportunities to engage and compete.

- ▶ The Students, Staff and Faculty of our Institute have secured Gold and Silver medals in various athletic events at the inter IIT Sports Meet 2023.
- ▶ Our students have garnered honor by securing two Gold medals, one Silver and three Bronze medals in the PAN IIT Yoga competition held in June 2022.
- ▶ Our students have won several medals(Gold, Silver and Bronze) in the 63rd Palakkad District Senior Athletics Championship, 2024.





# CULTURAL ACTIVITIES

The Institute boasts a range of cultural clubs for music, dance, dramatics, photography, videography and yoga. These diverse clubs provide ample opportunities to collaborate with those who share similar interests and to further hone your skills. We have a line-up of exciting events held on campus where you can showcase your talents, such as Litscape, Arsh, Battle of Bands, Naatya and many more.





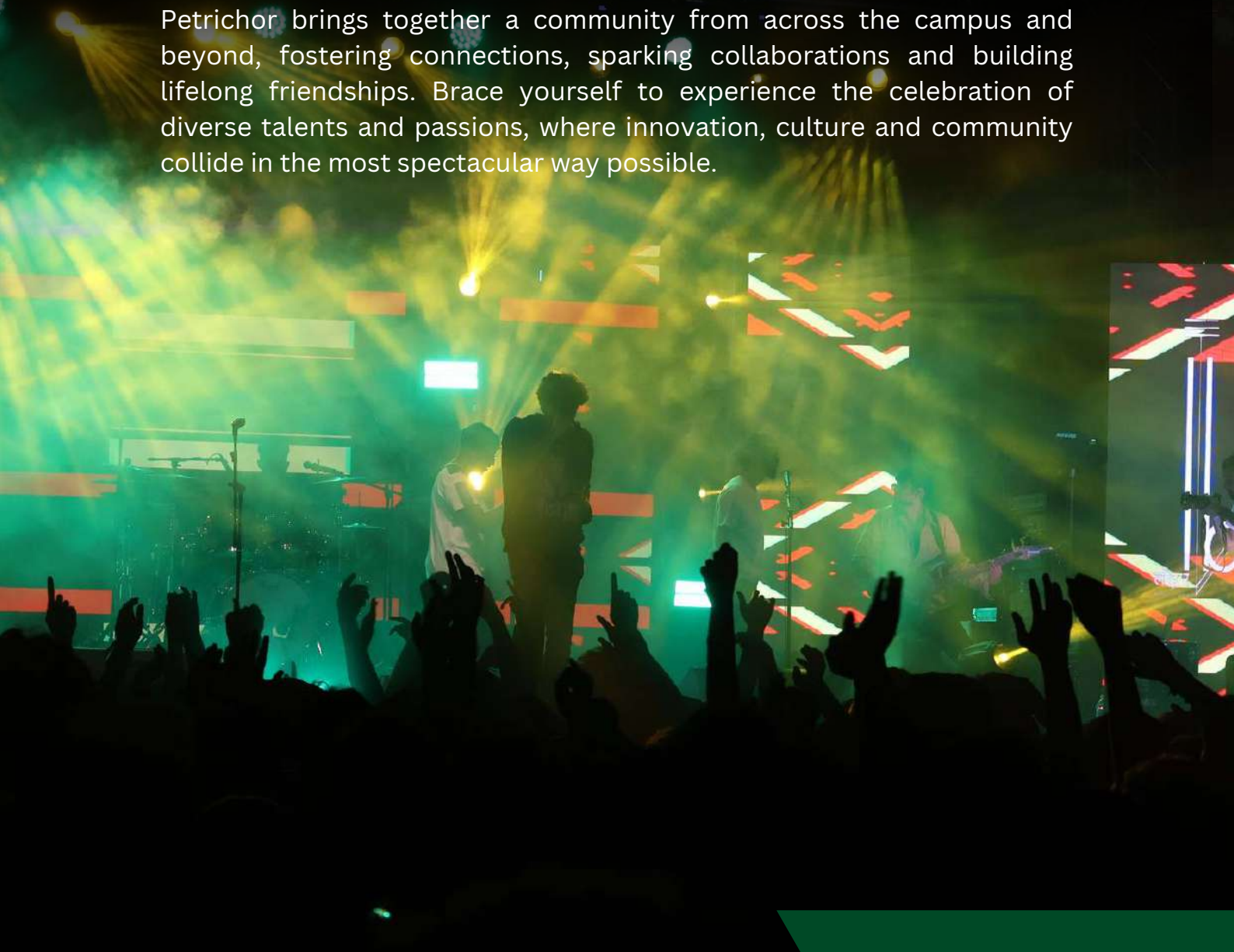


## CULTURAL CLUBS



# PETRICHOR

Step into the dynamic realm of Petrichor that electrifies the spirit of IIT Palakkad. Every college's crown jewel is its fest, for it represents the students' collective ability to interact with the real world, and with industry and come out with flying colors. Aptly named after the earthy scent that ensues after the first rains, "Petrichor", the techno-cultural fest, revitalizes the spirit of innovation and creativity within you. Think of hackathons and robo-wars that will blow your mind, dance-offs that will have you busting out your best moves and performances that will leave you speechless. This is where you get to prove your mettle, explore new interests and immerse yourself in the rich tapestry of experiences that await you. Petrichor offers something for every passionate mind to engage with and enjoy. But beyond its impressive line-up of events Petrichor brings together a community from across the campus and beyond, fostering connections, sparking collaborations and building lifelong friendships. Brace yourself to experience the celebration of diverse talents and passions, where innovation, culture and community collide in the most spectacular way possible.





# HOME AWAY FROM HOME

The institute has a total of 5 hostels with all essential facilities. The student-run mess operates at two locations within the campus. In-addition, there is an amenity centre which caters to day-to-day needs of the students on campus.

## All hostels are equipped with

- ▶ Solar heaters
- ▶ Spacious dining hall
- ▶ An indoor games area
- ▶ A fitness center
- ▶ RO-based drinking water system
- ▶ A heavy-duty washing machine on each hostel floor
- ▶ Wi-Fi/LAN connections in the rooms
- ▶ Wi-Fi enabled common rooms with television, newspapers and selected magazines



**Kedaram Dining Hall**

# THE VIBRANT SAHYADRI CAMPUS

The main campus consists of an academic block featuring a classroom complex with a seating capacity of approximately 2000 students, department buildings, a central fabrication facility, a research complex and hostels equipped with top-notch amenities.



**Dr. APJ Abdul Kalam Block**



**Hostel Complex**



**Academic Block**



## WELL-BEING

At IIT Palakkad, we are committed to the well-being, both mental and physical, of all members of the institute community. We have resident psychologists, a physical training instructor, a yoga teacher, an anti-ragging cell, a dedicated women's forum-Kadambini and also tie up with an online counseling and emotional wellness service.

## MEDICAL FACILITIES

The institute has an in-house clinic with resident doctor and nurse. All students of IIT Palakkad are given a medical insurance scheme on a yearly subscription. In addition, the institute has signed MoUs with nearby hospitals for cashless medical care.

## SECURITY AND SAFETY

IIT Palakkad provides an extremely safe and secure campus life. Ragging is prohibited and there is a strict anti-ragging policy in place. We also have round-the-clock CCTV monitoring and security personnel who patrol the campus regularly.





# SCHOLARSHIP AND FINANCIAL ASSISTANCE

Nine different scholarship and fee remission schemes are available to UG students. The institute also provides students funding opportunities through its Earn as You Learn scheme.

## These include

- ▶▶ Full fee remission
- ▶▶ Merit-Cum-Means scholarship
- ▶▶ Two-third fee remission
- ▶▶ SC/ST scholarship
- ▶▶ SC/ST fee remission and PwD fee waiver

Scholarship Details	No. of Beneficiaries Yearly	Scholarship Worth
Institute Scholarships	313	₹ 5.0 Crores
National Scholarship Portal	79	₹ 1.5 Crores
Other Scholarships (Shraman, Vidhyalakshmi, State scholarships etc.)	40	₹ 0.35 Crores

“We understand that along with stellar academic skills, our students also bring with them a lot of talent and passion in various cultural, sports and technical activities - some of which they may not have been able to nurture during their last couple of years. We strive to provide ample opportunity and encouragement for our students to nurture these passions and also to discover new ones. The various student clubs create avenues for both the beginners and the professionals to perform and experiment. We have completed our transition to the main campus this year and the incoming batch of students will be delighted to become part of our safe and vibrant campus life.”

**Prof. Deepak Rajendraprasad**  
Dean (Student Affairs)



# INTERNATIONAL AND ALUMNI RELATIONS

The IIT Palakkad International and Alumni Relations Office (IAR) serves as the primary contact point for international universities seeking partnerships and collaborations. Our mission is to foster and enhance engagement among our alumni, current students, and the Institute. We actively promote alumni achievements, facilitate networking, and address any concerns.

## OUR ACTIVITIES INCLUDE:

- ▶ **Scholarship Opportunities:** We provide information on scholarship opportunities available worldwide.
- ▶ **Student Exchange Programs:** Through MOUs with foreign universities, we offer student exchange opportunities.
- ▶ **Summer Internships:** We provide information on summer internship opportunities for students.
- ▶ **Educational Sessions:** We conduct various online and offline sessions in collaboration with organizations like DAAD and USIEF, guiding students in pursuing higher studies.
- ▶ **Alumni-Student Interactive Sessions:** These sessions help current students become familiar with the job market by connecting them with alumni.
- ▶ **Our goal:** To build strong connections and support the professional growth of our community.

“As an Electrical Engineering student at IIT Palakkad, I am immensely grateful for the college's exchange program, which provided me with the opportunity to study at the University of Agder in Norway. During my time there, I gained valuable hands-on experience in the subjects I had previously learned at IIT Palakkad. This program significantly enriched my academic journey and broadened my practical understanding of my field.”

**Nathala Sai Sree**

Batch 2020, EE Department

(IIT Palakkad-University of Agder, Norway, Exchange Programme)



# TECHNOLOGY INNOVATION FOUNDATION OF IIT PALAKKAD (TECHIN)

The incubator arm of IIT Palakkad and recognized as a Technology Business Incubator by Startup India, TECHIN is dedicated to nurturing early-stage startups and aspiring entrepreneurs, guiding them on their journey to becoming successful and sustainable businesses. The mission is to provide comprehensive support to innovators, including financial assistance, expert mentorship, skill development, business support services, and access to state-of-the-art R&D facilities. Through these resources, we aim to foster innovation and entrepreneurship, helping startups navigate the challenges of the business world and achieve their full potential. At TECHIN, we are committed to creating a thriving ecosystem where innovative ideas can flourish and transform into impactful ventures.

TECHIN organizes a variety of events throughout the year, including pitch competitions, workshops, hackathons, and grand challenges, to nurture promising ideas and innovative solutions. These initiatives aim to achieve commercial success while also striving to create a positive societal impact.

## Technology Verticals

- ▶ **SaniTech:** Dedicated to advancements in water, sanitation, and hygiene, aiming to develop innovative solutions that improve public health and environmental sustainability.
- ▶ **MedTech:** Focused on the biomedical technology sector, striving to drive innovations in healthcare and medical devices to enhance patient care and health outcomes.
- ▶ **Technology Innovation Center (TIC):** Encompasses a broad spectrum of technology domains, fostering innovation across various industries and supporting the development of cutting-edge technological solutions.

# IPTIF - IIT PALAKKAD TECHNOLOGY HUB FOUNDATION

IIT Palakkad has incorporated IPTIF (a section-8 company) as one of the 25 Technology Innovation Hubs (TIH) across India, backed by the Department of Science and Technology, Government of India under its National Mission on Interdisciplinary Cyber-physical Systems (NM-ICPS). IPTIF 'works to foster an innovation ecosystem conducive to advancing cutting-edge technologies and products, nurturing deep-tech startups and entrepreneurs, enhancing human resources through upskilling, and establishing top-notch R&D, prototyping, and testing facilities.

Concentrating on Intelligent Collaborative Systems, Energy, and Safety over the past three years, IPTIF has facilitated the development of over 25 technology products, supported 18 startups, engaged eight Entrepreneurs-in-Residence (EIRs), provided opportunities for 23 doctoral fellows, and over 100 project interns and conducted over 40 training programs and events over the past three years. Furthermore, IPTIF spearheads collaborative endeavors with both industry and academia to propel technological progress in the nation. Its ultimate goal is to serve as a one-stop solution for translating innovative ideas into market-ready products.

At every stage, IPTIF's activities are driven by the involvement of faculty and students from IIT Palakkad. IPTIF also offers extensive opportunities for the students of IIT Palakkad, whether it be supporting their innovative ideas to transform into tangible technologies and startups or offering industry-relevant training and upskilling programs.







# SUPPORT OFFERED TO STARTUPS

- ▶ **Mentorship:** Receive guidance from world-class mentors, faculty, and entrepreneurs, including access to the extensive PAN IIT network.
- ▶ **Incubation Program:** Structured incubation program designed to refine your business model and enhance both technical and business aspects to ensure startup success.
- ▶ **Facilities:** Benefit from access to fully equipped incubation spaces with excellent infrastructure.
- ▶ **Fabrication and Prototyping:** Utilize state-of-the-art facilities for fabrication and rapid prototyping to bring your ideas to life.
- ▶ **Consultancy:** Gain access to expert legal, financial, intellectual property, and business consultants.
- ▶ **Funding:** Obtain financial support for incubation processes and go-to-market strategies.
- ▶ **Pitch Opportunities:** Present your startup to angel investors and venture capitalists through organized pitch events.
- ▶ **Field Testing and Evaluation:** Connect with NGOs and government agencies to conduct field site testing and validate your solutions in real-world environments.



# CAREER OPPORTUNITIES

**The pinnacle offer: 41.61 lakhs**

**No. of students placed: 91**

**No. of offers: 105**

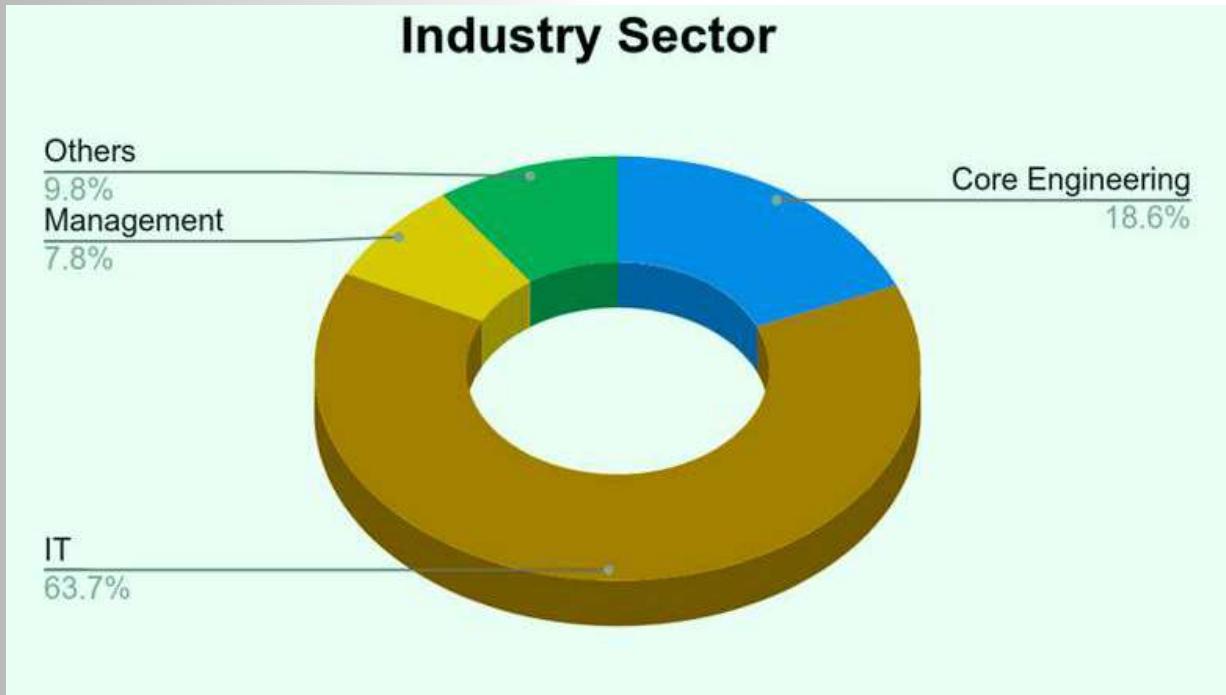
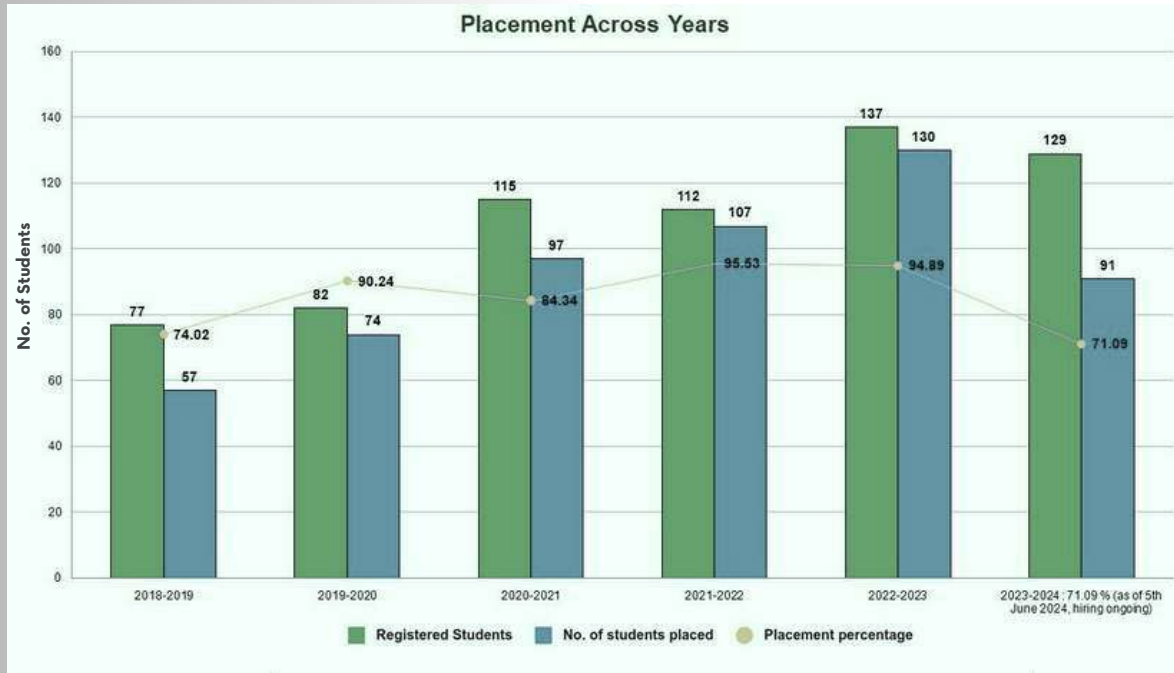
**Average CTC: 15.61 lakhs**

**Companies that visited: 130**

**Percentage of students placed: 71.09 %**

**(Till May 2024 - Campus hiring still going on)**

- ▶ **Notable international offer** - Accenture Japan
- ▶ **Higher Education:** Several students obtain admissions into prestigious national and international institutions and universities every year.


























“After experiencing IAC 5.0, I can confidently say it was a game-changer for me and my fellow students at IIT Palakkad. The event was like a treasure trove of knowledge, with experts from various fields sharing their insights and experiences. What really stood out was the opportunity to interact with industry professionals and academic leaders in a setting that felt both inclusive and inspiring. IAC 5.0 sparked countless new ideas and perspectives, igniting our passion for innovation and collaboration. As a student, I feel more empowered and equipped to tackle real-world challenges after attending IAC 5.0. The event not only broadened my horizons but also provided invaluable networking opportunities that I know will benefit me in the future.

I'm grateful to have been a part of this transformative experience, and I eagerly look forward to applying what I've learned to make a positive impact in my academic and professional journey.”

**Sai Hemanth Reddy D**

CSE Undergraduate, Class of 2025

Secretary, Academic Affairs

Student Affairs Council





# IAC : INDUSTRY ACADEMIA CONCLAVE

IAC (Industry Academia Conclave) is a prestigious annual conclave hosted by IIT PALAKKAD for delegates from industry and academia to interact with our institute community through a series of talks and other sessions. The event gives our students and faculty members opportunities to interact and experience the new industrial and academic trends, cutting edge technologies, comprehend technical aspects and to gain a better knowledge about the higher studies opportunities and research fields in demand. The interaction of industrial, market and technological trends offer an exclusive opportunity, and industry and academia leads from various parts of the world benefit from the networking.







## HOW TO REACH US

-  Coimbatore Airport 60 km
-  Railway Station
  - Palakkad Junction 14 km
  - Coimbatore Junction 50 km



scan here to know more

## ADMISSION QUERIES

-  **General** [btech@iitpkd.ac.in](mailto:btech@iitpkd.ac.in)
-  **Women Helpdesk** [jeew.helpdesk@iitpkd.ac.in](mailto:jeew.helpdesk@iitpkd.ac.in)

## GET IN TOUCH

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**Indian Institute of Technology Palakkad**  
**भारतीय प्रौद्योगिकी संस्थान पालक्काड**

Nurturing Minds For a Better World



IIT PALAKKAD

