



# **PLACEMENT BROCHURE**

**2019-20**



**Indian Institute of  
Information Technology  
Kottayam**



*Success doesn't come to you,  
you go to it.*

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IIIT Kottayam has demonstrated rapid progress in its four years of existence. Having managed to set up a permanent campus despite the terrible weather conditions and the back to back floods, is testament to the resilience of our faculty. One among the other innovations is a fully functioning student run mess committee which manages to serve 300 students 3 meals a day along with snacks . With pride it can be said that not a single day has the mess committee failed to deliver what it promised.

Moving higher on Maslow's hierarchy of needs, our students' need for intellectual stimulation is readily satisfied by a dynamically changing syllabus sensitive to the developments of the industry. We wish to instill the temperament of research in our students and thus have architected a syllabus focusing on emerging fields in data science and artificial intelligence. To give our students an understanding of how management of funds and people takes place in the real world we have also decided to introduce single credit business courses into our syllabus. The combination of the two disciplines gives our students an all rounded perspective of the industry's challenges and prepares them to take on any situation head- on.

Time outside college for our students is enriched by the clubs which we provide. To enumerate, namely the technical club, the Trendles club, the cultural club and the sports club. The Trendles club is the club responsible for the design and illustration of the various web and print media generated within the college. The cultural club is the club responsible for making sure the festive events in our college are held with pomp and promptness. The technical club with all its sub-clubs is actively involved in improving its member's coding ability and in creating projects for the wellbeing of tomorrow. The sports club is involved in making sure its students get a taste of what it means to be involved in both a fast paced outdoor sport and a relaxed indoor one. All this is our effort to enrich the lives of our students



**Dr. Rajiv V. Dharaskar**

DIRECTOR

IIIT KOTTAYAM

MESSAGE FROM  
**DIRECTOR**



**Prof. M.P. Rajan**

DEAN ACADEMICS

IIIT KOTTAYAM

With the world moving at an extraordinary pace, it is of utmost importance to provide a curriculum, dynamic enough to cope with it. And ensuring that is the institute's number one priority.

The institute currently offers a degree in B.Tech, B.Tech Honors, B.Tech MS, in Computer Science. It also offers PhD courses. Senior faculty members from other Institutes of National Importance like, IITs, IISERs, NITs etc. are mentoring the vibrant faculty team of IIIT Kottayam. Only people with a Ph.D. degree from reputed National institutions and having a flare for teaching and research are engaged by IIIT Kottayam.

The first half of the course aims at covering as many core courses as possible, to give the students a bird's eye view of the avenues available in the industry. From the first year itself, core Computer Science courses have been introduced, thus building the foundation for a b Second half of the course focuses on need based specialization courses, maintaining a balance between industry needs and research ambitions. And the culmination of these, results in the genesis of top class engineers.

MESSAGE FROM  
**DEAN**

Indian Institute of Information Technology, Kottayam, is a budding institute bound to reach heights, the likes of which have never been seen before. Among its contemporaries, the institute is the only one, blessed with its own permanent campus. World class facilities are provided to both teachers and students, in order to ensure that the primary objective of education is never pushed below by presence of trivial issues.

Separate hostel accommodation is provided for boys and girls. All the hostels have common rooms, 24 hour Wi-Fi-connectivity and recreational centers where newspapers, magazines and TVs are available. Round the clock water and electricity is provided. Laundry equipment are also available in the hostels. Retired army personals (with minimum 15 years of experience in army) through Army Welfare Placement Organization (AWPO) are deployed for taking care of security of entire IIIT Kottayam.

The campus is equipped with an internet band width of 1 Gbps with Wi-Fi access, thanks to the service of the National Knowledge Network that our institute enjoys. Internet connectivity is also extended to Boys and Girls hostels with no restriction on timing or limit for the internet usage. A state of art, Gymnasium nourishes several enthusiasts to develop their fitness & sports activities. Institute has access to round the clock medical facilities.

A fully equipped ambulance handles emergency cases. Medical facilities are given vital importance and each student is given complete care. And this is not the end, for the facilities are continuously improving and being added in order to ensure the comfort of those, who represent what the foundation of this institution is built upon; the brilliance of students.



**Shri M. Radhakrishnan**

REGISTRAR

IIIT KOTTAYAM

MESSAGE FROM  
**REGISTRAR**

# ABOUT IITK

IIIT Kottayam is an institute established by the Indian Institute of Information Technology (Public-Private Partnership) Act 2017. The act conferred the status of national importance to IIIT Kottayam. It is also one amongst 20 new IIITs that have been proposed to be established across the country. The institute is fueled with funding both from Central and the State Governments and its private partners.

Despite its rough beginning, IIIT Kottayam in the four years of its inception has grown strides, as made evident by our newly established sprawling permanent campus spanning 53 acres and our students who have managed to bag placement packages upwards of 5 lakhs per annum.

The construction of the IIIT Kottayam campus has been planned for execution in three phases. The first two phases of which includes the development of its basic academic and administrative amenities which is estimated to cost around 128 crore. The estimated cost of the third phase, which is envisaged as an expansion of the existing facility, will be around ₹70 crore.

The institution offers B.Tech and B.Tech / MS , Ph.D. courses in Computer Science. It offers specialized courses covering all major research domains of computer science and engineering: Data science, Cloud Computing, Artificial Intelligence, Machine learning, Parallel Computing, HPC, Programming languages, Bio informatics, and so forth, as part of the 4 year B.Tech program. In addition, it offers Ph.D. programs



# MISSION

Generate a specialized cadre of Information Technology experts by imparting quality education, training and to attain international standards in teaching, research and consultancy with global linkage.

# VISION

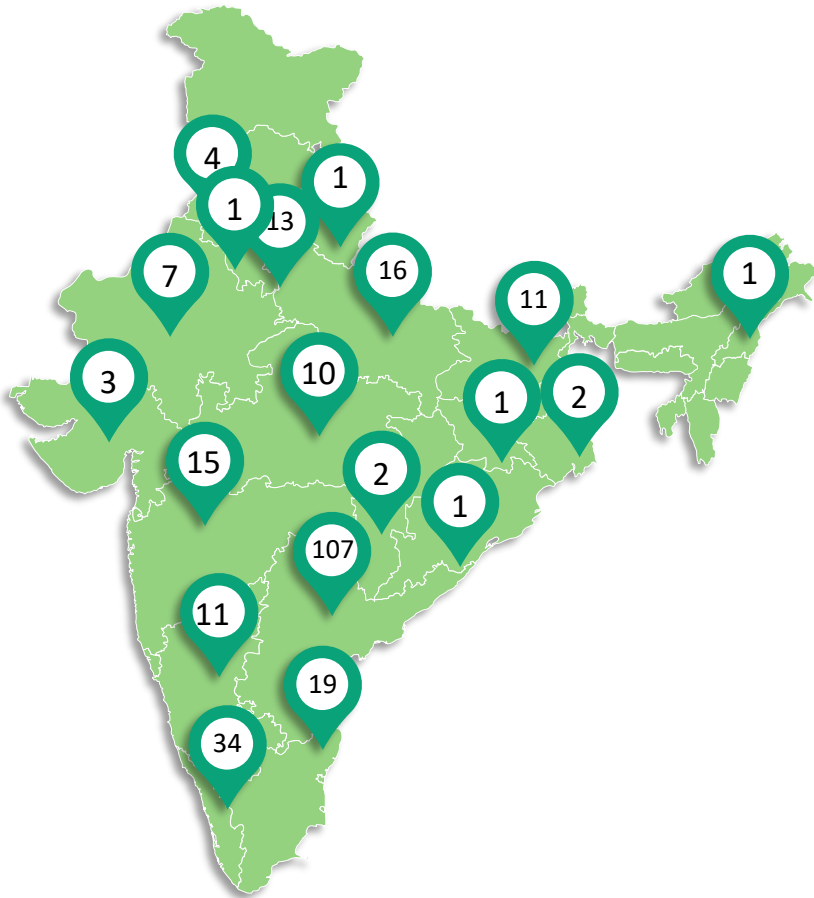
To contribute to India and the world through excellence in Information Technology, technical education and research and to serve as a valuable resource for industries and society.





# DEMOGRAPHICS

## Regional Diversity



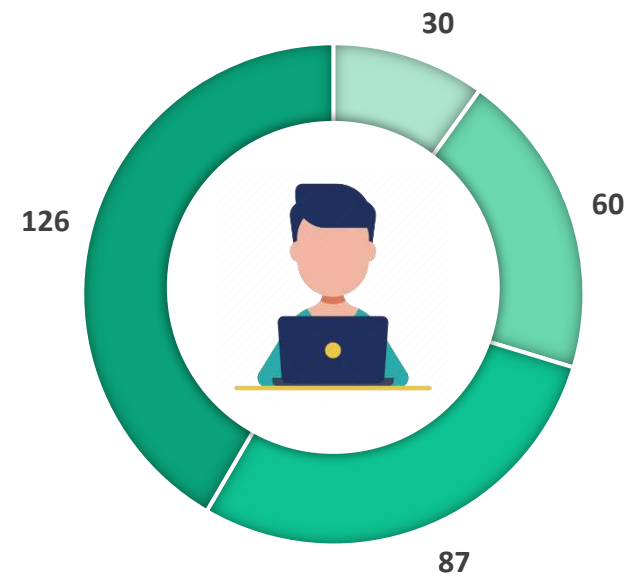
## Student- Faculty Ratio



14:1



## Student Intake per Year



■ 2016 ■ 2017 ■ 2018 ■ 2019

# COURSE STRUCTURE

- Discrete Mathematics
- IT Workshop I
- Computer Programming
- Communication Skills
- Digital Design & Electric Circuits
- Foreign Language
- Physical Training I

- Calculus & Linear Algebra
- Electronics Circuits & Measurements
- Data Structures
- Computer Organization
- IT Workshop II
- Personality Development
- Foreign Language

- Differential Equations & Transforms
- Design & Analysis of Algorithms
- Operating Systems
- Database Mgmt. Systems
- IT Workshop III
- Bioinformatics
- Physical Training II

- Theory of Computation
- OOAD
- Compiler Design
- Computer Networks
- Fundamentals of Economics
- Probability, Stats & Random Process
- Principles of Mgmt.
- Business Communication Skills

One of the primary virtues of the courses offered here at IIIT Kottayam is its flexibility and compliance with the industry's standards. A student in his first two years of study is set to become a programmer competent enough to parallel his contemporaries having already graduated from other institutes. This is achieved by imparting fundamental Computer Science courses besides which courses in Discrete Mathematics are also which serve to improve its students' logical thinking capability. A course in Digital electronics is also imparted which helps deepen one's understanding of the fundamentals of a computer's construction.

# COURSE STRUCTURE

A balanced curriculum for industry and research is imparted to those in their third and final years of study, compliant with several international benchmarks. Data Science and Artificial Intelligence is attended to with extra care. In their third and fourth years of study knowledge of the fundamental workings of deep learning neural networks and distributed systems is deeply looked into besides also imparting knowledge in the domain of business.

## 5

- Artificial Intelligence
- S/w Engineering & Project Mgmt.
- Digital Signal Processing
- Parallel & Distributed Computing
- Soft Computing
- Human Resource Mgmt.
- Financial Mgmt. & Accounting
- Operations & Supply Chain Mgmt.

## 6

- Microprocessors
- Cloud Computing
- Data Warehousing & Data Mining
- Machine Learning
- High Performance & Scientific Computing
- Software Design Patterns
- Honours Project 1 (Optional)

## 7

- Applied Computer Graphics
- Big Data Analytics
- Cryptography & Network Security
- Block Chain Technology
- BTP – I
- Research Course (Optional)

## 8

- Applied Predictive Analysis
- Internet of Things/ Industrial Training
- Deep Learning
- BTP – II
- Honours Project – II (Optional)
- Research Course (Optional)

# THE FACULTY



**DR. EBIN DENI RAJ**  
PhD from VIT,  
Reviewer/Editor of  
Prestigious Journals  
HOD CSE IIIT Kottayam



**DR. RANJIT THOMAS  
ABRAHAM**  
Former Senior DRDO  
Scientist  
Adjunct Faculty



**DR. SHAJULIN  
BENEDICT**  
Post Doc TUM Germany  
In-charge Atal Incubation  
Center NITI Aayog



**DR. BINI A. A.**  
Former Senior Embedded  
System Developer at Nest  
Technologies  
HOD of Electronics &  
Communication



**DR. ARUN CYRIL JOSE**  
PhD from University of  
Pretoria, South Africa  
MS from Coventry University  
Assistant Professor



**DR. J. V. BIBAL  
BENIFA**  
PhD from Anna University  
(NIRF Ranking:8)  
Assistant Professor



**DR. JAYAKRUSHNA  
SAHOO**  
PhD from IIT- Kharagpur  
Former faculty of NIT  
Jamshedpur  
Assistant Professor



**DR. P. VICTER PAUL**  
Ph.D. and M.Tech from  
Pondicherry Central  
University  
Assistant Professor



**DR. PANCHAMI**  
PhD from Anna University  
In-charge Proposed NextGen  
DST Incubation Center  
Assistant Professor

# THE FACULTY



**DR. HARILAL  
MADHAVAN**

Researcher, Institute for  
Social Anthropology, Austrian  
Academy of Sciences  
Adjunct Faculty



**DR. BAKKYARAJ T**

Post Doc from ICP, University  
Stuttgart, Germany  
HOD of Computational  
Science & Humanities  
Assistant Professor



**DR. JAISE JOSE**

PhD from IISER-TVM  
Area of expertise in  
Regularization of Inverse  
Problems  
Assistant Professor



**DR. SHABU B RAJ**

Defense Scientist working with  
DRDO  
PhD in Cognitive Neuroscience  
Adjunct Faculty



**DR. OOMMEN K  
MATHEW**

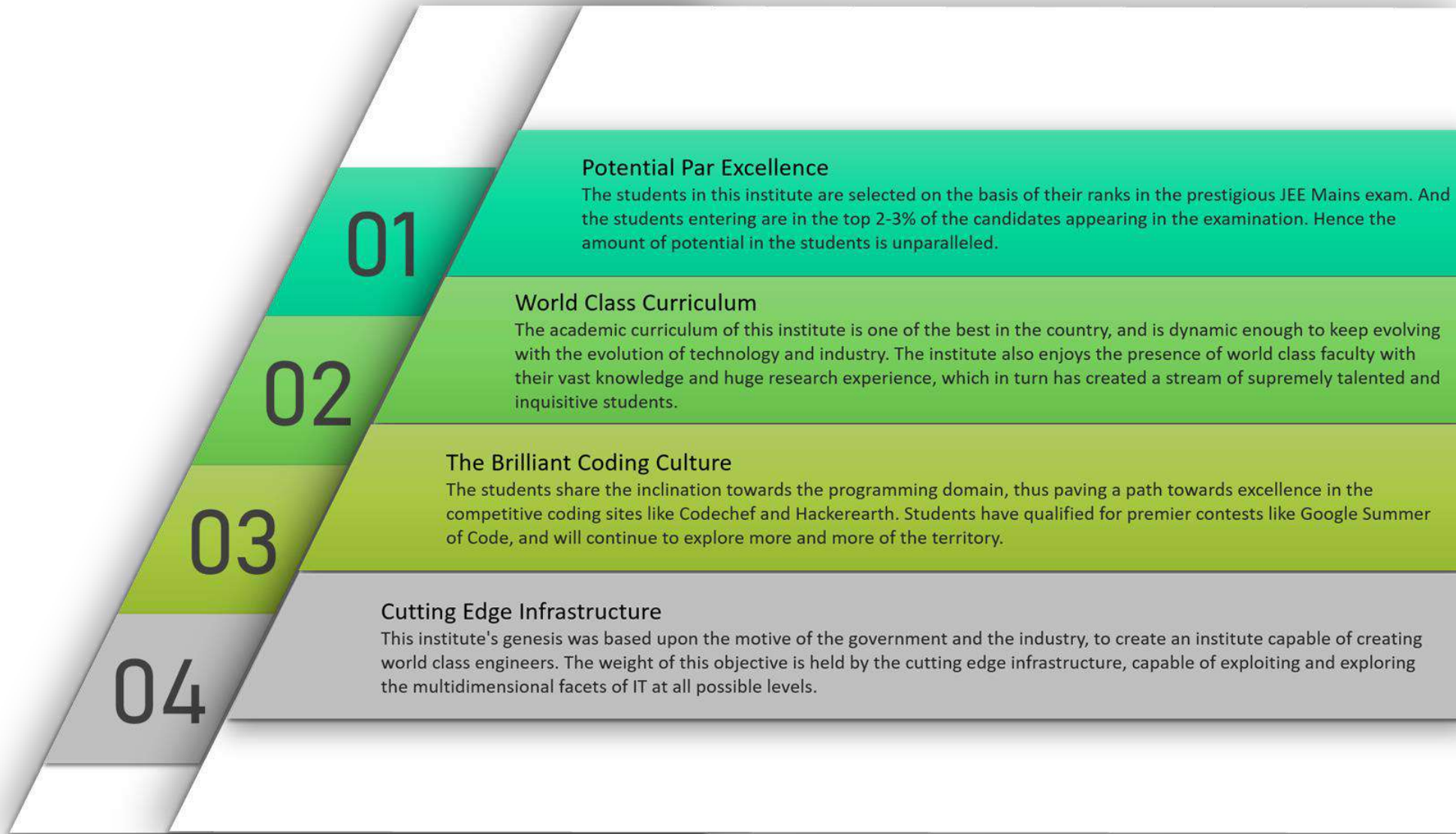
PhD & Post Doc in  
Bioinformatics from National  
Centre for Biological Science  
(NCBS) Bangalore  
Adjunct Faculty



**DR. AUGUSTINE JOSEPH**

Former Asst. Professor of  
English – Govt. Arts and  
Science College, DURG  
Former Associate Professor -  
St. Thomas College, Pala  
Adjunct Faculty

# WHY RECRUIT AT IIITK ?



# INTERNATIONAL RELATIONS



Microsoft Research,  
**Redmond, USA**

IIIT Kottayam is one of the few institutes from India which is working along with Microsoft for the benefit of common man in the domains of Agriculture, climate change and to make the world a better place to live in. The Data Science research team have been awarded an AI For Earth grant from Microsoft to help further our efforts in scaling newer heights in Artificial Intelligence and to come up with innovative solutions for common man.



Volkswagen Foundation  
**Germany**

IIIT Kottayam is the official Indian Technical partner for an European Consortium project funded by Volkswagen Foundation and partnered with German Research Center for Artificial Intelligence. The Full Grant will fund a 1.5 million EURO research program for 4 years. This International interface will help in the research of social assessment technologies in Artificial Intelligence.



Technische Universität München

Technische Universität München, TUM  
**Germany**

**44<sup>th</sup> Rank in Times Higher Education World University Rankings 2019**

The institute has signed an MoU with Technische Universität München Germany. The objective of the MoU is to promote latest IT knowledge and best practices from both countries. This has channelized faculty visits to and from TUM, Germany which boost the research and development activities at the institute. We have also established a collaboration with TUM-Germany for undertaking collaborative teaching of selected courses to UG students.



BMFWF  
**Austria**

The collaborative research project with University of Klagenfurt, where we are involved in designing energy aware compilers for Heterogeneous systems which aims identifying the bottlenecks of existing workflow applications with more emphasis on energy reduction approaches.

# PAST RECRUITERS



**Mphasis**

The Next Applied



**TATA CONSULTANCY SERVICES**

Experience certainty.

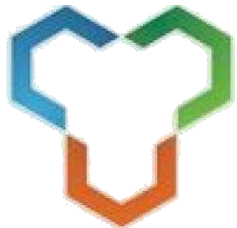


**Mindtree**

*Welcome to possible*



**GadgEon**  
*Engineering Smartness*



**LITMUS**

**Yatnam**  
TECHNOLOGIES

**NAVIGANT**



# INTERNSHIPS



भारतीय विमानपत्तन प्राधिकरण  
AIRPORTS AUTHORITY OF INDIA

sopra  steria



IIT  
MADRAS



INTERNATIONAL INSTITUTE OF  
INFORMATION TECHNOLOGY

HYDERABAD



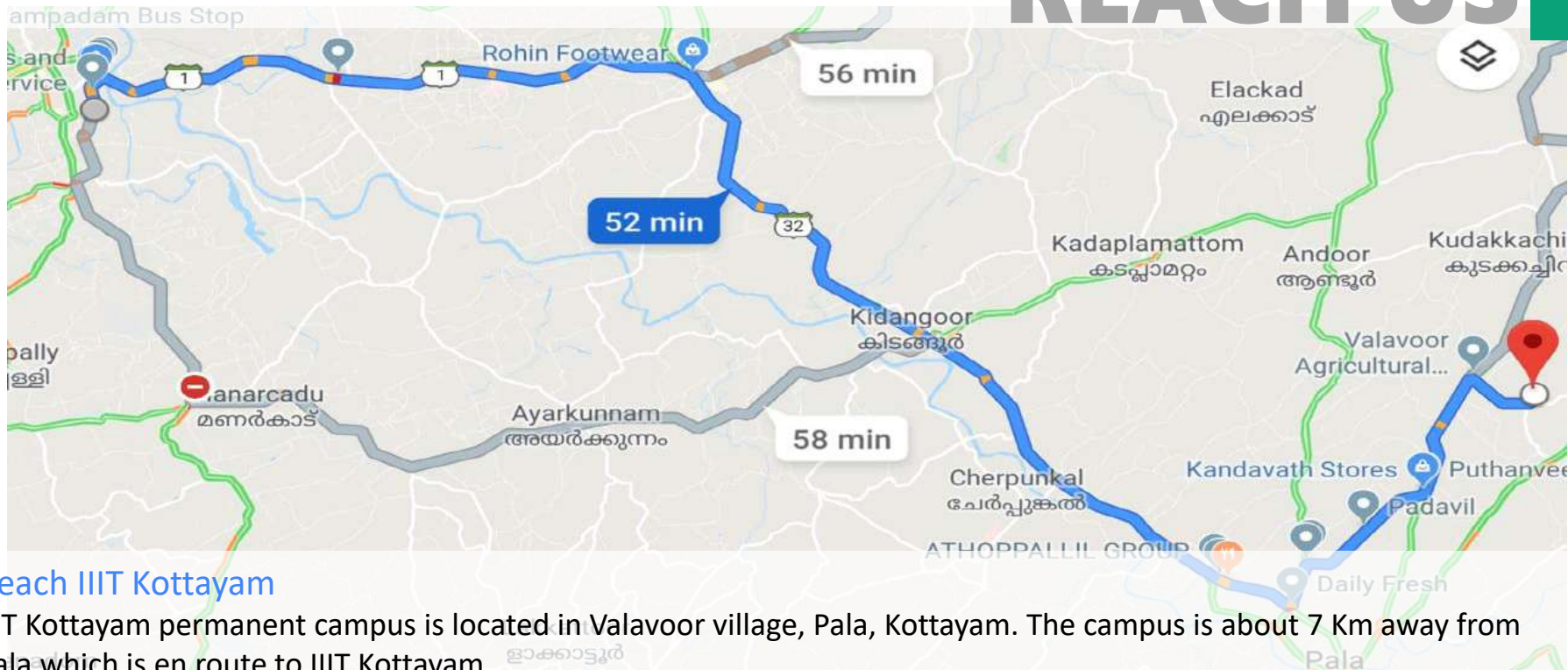
SunTec™



 NIIFLR



# REACH US



## Reach IIIT Kottayam

IIIT Kottayam permanent campus is located in Valavoor village, Pala, Kottayam. The campus is about 7 Km away from Pala which is en route to IIIT Kottayam.



## From the Airport

IIIT Kottayam is about 65 km from the Cochin International Airport, Nedumbassery.

## From the Railway Station/KSRTC Bus Station

IIIT Kottayam is about 25 km from Kottayam Railway Station/KSRTC Bus Station. KSRTC (Kerala State Road Transport Corporation) bus services are available from KSRTC Bus Station to Pala.

# CONTACT US

## Consultant- Training & Placement

Dr. Mathew C D

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## Placement coordinators

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## Communication Address

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