

EARN CERTIFICATES AND 20 KTU POINTS

27 28
JRN



PETRICHOR '24

WORKSHOPS

OFFLINE WORKSHOPS DURING FEST
IIT PALAKKAD

OFFLINE WORKSHOP AT IIT PALAKKAD

**20
KTU
POINTS
AND
CERTIFICATES**

PETRICHOR '24

COMPETITIVE PROGRAMMING

IN ASSOCIATION WITH



CONTACT US

ASHWIN 9188142004

KISHORE 8300103935

```
1 010100010011111010101000011  
101000101000001000001111111111  
100111110001111101010001001001  
1110000100010001110001001001  
0100000011110100001100100010  
111111100001010100111110100001  
100011100000000000111100000
```

REGISTRATION FEE

₹ 1299

PREREQUISITES

BASIC PROGRAMMING SKILLS

CONTENT

- >>> Sorting and Searching
- >>> Number Theory
- >>> Combinatorics
- >>> Graphs and Trees

ACCOMODATION AVAILABLE

REGISTER ON WEBSITE

petrichor.events

1 01010001001111101010101000011
1010001010000010000011111111111
10011111000111110101010001001001
1110000100010001110001001001001
01000000111101000011100100010010
111111100001010100111111010001
100011100000000000011111000000

DATES

27 28 JAN 2024

REQUIREMENTS

NONE



SCAN TO
REGISTER
ON WEBSITE

OFFLINE WORKSHOP AT IIT PALAKKAD

**20
KTU
POINTS
AND
CERTIFICATES**

PETRICHOR '24

ARTIFICIAL INTELLIGENCE

INSTRUCTORS

DR C K NARAYANAN

ASSOCIATE PROFESSOR AT IIT PALAKKAD

DR SAHELY BHADRA

ASSOCIATE PROFESSOR AT IIT PALAKKAD

DR KONINKA PAL

ASSISTANT PROFESSOR AT IIT PALAKKAD

CONTACT US

ASHWIN 9188142004

KISHORE 8300103935



REGISTRATION FEE

₹ 1299

PREREQUISITES

BASIC PROGRAMMING SKILLS

CONTENT

Discover the fundamentals of AI and ML in our workshop designed for enthusiasts, professionals, and innovators eager to delve into these dynamic fields. Start with an accessible introduction, exploring AI's evolution and practical applications. Demystify Machine Learning, and explore the application of Graph Neural Networks (GNN) on Molecules.

Unpack the world of Natural Language Processing (NLP), where AI meets language understanding. Finally, explore the capabilities and impact of Large Language Models, providing insights into their role in modern AI applications. This workshop equips you with practical knowledge and skills, making AI and ML accessible and applicable in various

ACCOMODATION AVAILABLE

REGISTER ON WEBSITE

petrichor.events

DATES

27 28 JAN 2024

REQUIREMENTS

LAPTOP REQUIRED

SCAN TO
REGISTER
ON WEBSITE



OFFLINE WORKSHOP AT IIT PALAKKAD

**20
KTU
POINTS
AND
CERTIFICATES**

PETRICHOR '24

ROBOTICS

INSTRUCTOR

DR VIJAY MURALIDHARAN
ASSISTANT PROFESSOR AT IIT PALAKKAD

CONTACT US

ASHWIN 9188142004
KISHORE 8300103935





REGISTRATION FEE

₹ 1299

DATES

27 28 JAN 2024

PREREQUISITES

BASIC PROGRAMMING SKILLS

REQUIREMENTS

NONE

CONTENT

Journey into the world of wheeled robots, unraveling the intricacies of a differential drive and its mathematical kinematics model. Explore control concepts, distinguishing between open and closed-loop strategies. Transition into Python, mastering basic syntax, numerical integration, and plotting tools. Visualize the robot symbolically and simulate its behavior. Delve into trajectory tracking, designing and coding robot paths, fine-tuning parameters, and implementing velocity constraints. This immersive exploration provides a holistic grasp of wheeled robot dynamics and control, merging theory with practical application.

ACCOMODATION AVAILABLE

REGISTER ON WEBSITE

petrichor.events

SCAN TO
REGISTER
ON WEBSITE



20
KTU
POINTS
AND
CERTIFICATES



PETRICHOR '24

REINFORCEMENT LEARNING

INSTRUCTOR

DR SHAIKSHAVALI CHITRAGANTI
ASSISTANT PROFESSOR AT IIT PALAKKAD

CONTACT US

ASHWIN 9188142004
KISHORE 8300103935



REGISTRATION FEE

₹ 1199

PREREQUISITES

BASIC PROGRAMMING SKILLS

CONTENT

- >>> Introduction to Reinforcement Learning
- >>> Finite Markov Decision Process
- >>> Value Iteration
- >>> Policy Iteration
- >>> Model Free Methods: Monte Carlo and Temporal difference
- >>> On-policy Methods: SARSA
- >>> Off-policy Methods: Q-learning
- >>> Approximate Solution Methods: Value Function Approximation
- >>> Stochastic Gradient Descent
- >>> Deep Q-learning (DQN) Algorithm
- >>> Policy gradient methods - REINFORCE, Actor-critic
- >>> Advanced policy gradient methods such as DPG, DDPG, TRPO
- >>> Simulations: using Python in pytorch framework with gym environments
- >>> ROS/Gazebo Implementations

ACCOMODATION AVAILABLE

REGISTER ON WEBSITE

petrichor.events

DATES

27 28 JAN 2024

REQUIREMENTS

LAPTOP PREFERRED

SCAN TO
REGISTER
ON WEBSITE



OFFLINE WORKSHOP AT IIT PALAKKAD

**20
KTU
POINTS
AND
CERTIFICATES**

70.111



PETRICHOR '24

STARTUP AND ENTREPRENEURSHIP

IN ASSOCIATION WITH



FINANCE CLUB OF IIT PALAKKAD

CONTACT US

ASHWIN 9188142004

KISHORE 8300103935



REGISTRATION FEE

₹ 1199

PREREQUISITES

NONE

CONTENT

Discover essential entrepreneurship aspects: Idea Generation, Business Planning, Market Research, and Financial Management. Explore Building a Strong Brand, Team Building, Leadership, Networking, and Partnerships. Tackle Challenges and Risks with effective strategies. This concise journey integrates theory and practical insights for aspiring entrepreneurs.

ACCOMODATION AVAILABLE

REGISTER ON WEBSITE

petrichor.events

DATES

27 28 JAN 2024

REQUIREMENTS

NONE

SCAN TO
REGISTER
ON WEBSITE



20
KTU
POINTS
AND
CERTIFICATES



PRODUCT DESIGN

INSTRUCTOR

DR JACOB CHANDAPILLAI
CHIEF INNOVATION OFFICER, IIT PALAKKAD
SHYAM SUNDAR PATI
PHD SCHOLAR AT IIT PALAKKAD

CONTACT US

ASHWIN 9188142004
KISHORE 8300103935



REGISTRATION FEE

₹ 1199

DATES

27 28 JAN 2024

PREREQUISITES

NONE

REQUIREMENTS

NONE

CONTENT

Join our dynamic product design workshop, where you'll explore the design process, Design Thinking, and effective communications. Deepen your understanding through Arduino demo sessions and decipher the balance between technology-driven and market-driven design. Dive into Modular and Life Cycle Design, with a focus on environmental impact and Bio mimicry. Delve into aesthetics, ergonomics, and ethical considerations, mastering aspects like Value Engineering and Reverse Engineering. Acquire skills in Engineering Economics and safety, emphasizing material selection. This workshop provides a comprehensive toolkit for successful, ethical, and innovative product design.

ACCOMODATION AVAILABLE

REGISTER ON WEBSITE

petrichor.events

SCAN TO
REGISTER
ON WEBSITE





OFFLINE WORKSHOP AT IIT PALAKKAD

20
KTU
POINTS
AND
CERTIFICATES

PETRICHOR '24

MEASUREMENT PRINCIPLES AND UNCERTAINTY ANALYSIS

INSTRUCTOR

DR PRAMOD KUNTIKANA
ASSISTANT PROFESSOR AT IIT PALAKKAD

DR ANAND T N C
PROFESSOR AT IIT PALAKKAD

CONTACT US

ASHWIN 9188142004
KISHORE 8300103935



REGISTRATION FEE

₹ 1199

PREREQUISITES

NONE

DATES

27 28 JAN 2024

REQUIREMENTS

NONE

CONTENT

Embark on an enlightening journey into the realm of measurement, where we unveil the essence and significance of precision. Navigate through the foundational architecture of measurement systems, seamlessly integrating electronic instrumentation for added sophistication. Explore the intricacies of accuracy, delve into the standards and calibration processes that elevate measurement finesse, and conclude with a profound examination of error propagation and uncertainty analysis.

ACCOMODATION AVAILABLE

REGISTER ON WEBSITE

petrichor.events

SCAN TO
REGISTER
ON WEBSITE





FAQS

SAVE THE DATES!

- All participants should register on or before the 25th of January 2024.
- The registered participants will be given tickets for the workshop once they reach campus on January 27th 2024.
- This will be a two-day workshop with two sessions per day.

WHO CAN PARTICIPATE?

Open for all enthusiasts irrespective of their batch and branch!

TIMINGS

27th Jan ---> 9 AM - 5 PM (max)

28th Jan ---> 9 AM - 5 PM (max)

Two sessions of maximum two hours per day



ACCOMMODATION AND FOOD

Upon opting for accommodation in our registration form, you will receive a call from our support team regarding room booking.

Still got queries? We're available on WhatsApp:

Priyanshu : 7017987049

Azim : 8078316580

CERTIFICATES

- Participants who attend full-time workshop will be eligible for certificates.
- You can earn a maximum of 20 KTU points.
- You can also participate in other events happening during fest and earn certificates and amazing prizes.

**FREE MUSICAL NIGHT ENTRY FOR
ALL WORKSHOP PARTICIPANTS !!!**



HOW TO REACH IIT PALAKKAD

FROM PALAKKAD JUNCTION RAILWAY STATION

From Palakkad Junction Railway Station -> Walk to Olavakkode Bus Stop -> Board bus to Stadium Bus Stand -> Get down at Stadium Bus Stand -> Board bus to Kanjikode -> Get down at Kinar bus stop (Also called Kanjikode-Malampuzha or Kanjikode-Kendriya Vidyalaya Road) -> Grab an Auto to IIT Palakkad Nila Campus (1.5 km)

FROM PALAKKAD KSRTC BUS STAND

Board Palakkad-Coimbatore KSRTC/TSRTC bus -> Get down at Kanjikode-Malampuzha Road or at Kanjikode Town -> Grab an auto to IIT Palakkad Nila Campus



PRIVATE TRANSPORT

From Palakkad City

Travel on NH-544 -> Turn left from Fluid Control Research institute onto Malampuzha road (also called Kendriya Vidyalaya Road) -> Continue straight (1.5 km) -> Turn right after Kanjikode Railway Gate

From Coimbatore

Travel on NH-544 -> Turn right under Kanjikode flyover onto Malampuzha road (also called Kendriya Vidyalaya Road) -> Continue straight (1.5 kms) -> Turn right after Kanjikode Railway Gate

SCAN FOR
ROUTE MAP

