

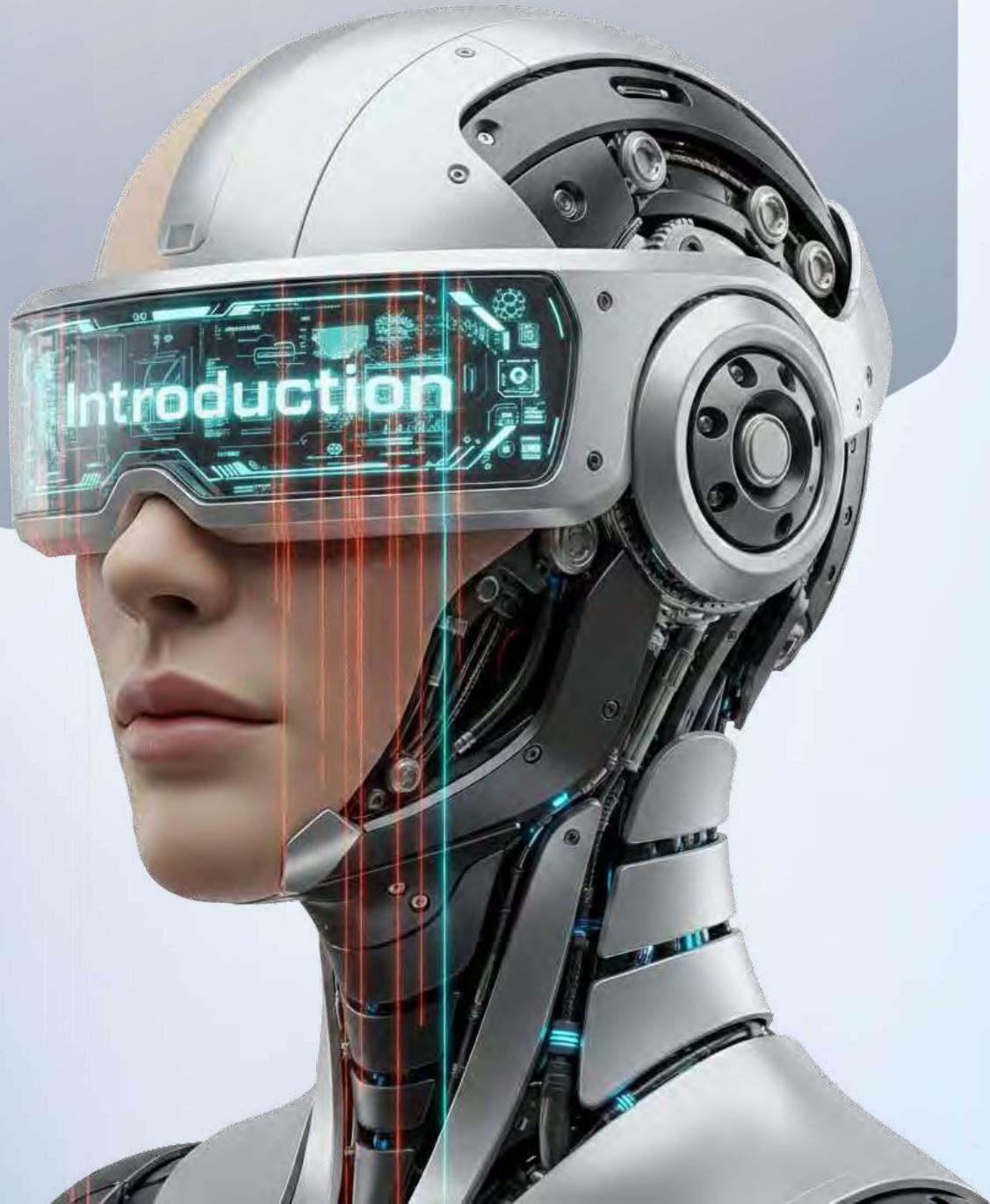
 **entri**

ROBOTICS & AI



Entri  
**Robotics & AI**

Entri App is a vernacular learning platform that aims at helping people land their dream job by empowering them with the right skill set & expert guidance at an affordable cost. **Being India's one of the fastest-growing e-learning platforms attracting over 1 crore students**, Entri offers a wide range of courses to help students prepare for government exams and upskill themselves for various career opportunities.



# About the Robotics & AI Course

With this course, you will be able to answer questions such as

"What is Robotics?"

"How is Robotics used in various Industries?"

"What are the different kinds of Robots?"

"What is Artificial Intelligence?"

"How Robotics is clubbed with Artificial Intelligence?", etc.

You will also understand the critical elements required to pursue a career in Robotics and Artificial Intelligence. By the end of the course, students will be well-equipped to pursue the career opportunities listed below in Robotics & AI and related fields.

# What is Robotics & AI?

Robotics is an interdisciplinary field of science and engineering focused on designing, constructing, operating, and using robots, which are programmable machines that can perform tasks often substituting human actions, with increased efficiency.

AI or Artificial intelligence is technology enabling machines to perform tasks requiring human-like intelligence, like learning , problem solving and decision making .



# What is you'll learn

Gain hands-on  
experience through a  
practical, industry-aligned  
curriculum covering

Deep Learning

AMR Simulation & Modelling

C++ Programming (*Robotics side*)

ROS2 Core Proficiency

3D SLAM

Python 3 (*AI/ Deep Learning side*)

Autonomous Navigation

Fleet Management

Visual Odometry



# Learning Format



Live and recorded sessions for flexible learning



Industry-aligned projects for practical experience



Dedicated placement assistance to help you start or build your career matching current job trends.



Phase wise class.

# Course Duration

8 Months - 130 Hours

6 Months -  
Theory

1 Month -  
Project + Buffer

Real Robot Workshop -  
2 Days

# Program Structure

6  
Phases

26  
Weeks

PHASE 1 - Foundations

PHASE 2 - ROS2 Sim

PHASE 3 - Math / SLAM

PHASE 4 - Navigation

PHASE 5 - Perception

PHASE 6 - Capstone

# Career opportunities

After completing the course,  
you can explore exciting roles in:



Robotics Software Engineer



Navigation & Motion Planning Engineer



Perception / Computer Vision Engineer



Robotics DevOps / System Engineer



Fleet Management Engineer



SLAM Engineer



# Eligibility

## for Robotics & AI Course

This course is meant for anyone who wants to build a career in Robotics or AI. You can join if you are:

**A student or graduate of Diploma, B.Sc, M.Sc, BCA, MCA, or B.Tech/B.E (except Civil Engineering), M.Tech/ M.E , PhD**

**From a technical background such as electronics, electrical, computer science mechanical , mechatronics , robotics and Automation etc.**

No matter whether you're a beginner or already have some experience, this course will help you learn, grow, and specialize in robotics & AI software developers with strong skills.

# Why Choose Entri for Robotics & AI ?

Industry-Relevant  
Curriculum



Expert-Led  
Training



Practical  
Experience



Placement  
Assistance



Flexible Learning  
Options



Course completion  
& live project  
Certification



A portrait of a man with dark hair and a beard, wearing a dark polo shirt. He is positioned in front of a blue background with a grid pattern. A white speech bubble-like shape is overlaid on the left side of the image, containing the text 'Expert guidance'.

Expert  
guidance

## Arjun S Kumar

Lead Autonomy Engineer with 10+ years of experience building large scale **SLAM, Perception and autonomous** navigation systems for commercial robots deployed globally.

Worked with leading Robotics and technology organisations including LionsBot (Singapore), Ignitarium (India), EY, Addverb, Ingeniarius (Europe) and NTU Singapore.

Experienced in developing production ready autonomy stacks and mentoring engineers and interns in **ROS, SLAM, navigation and machine learning** for real world applications.







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