

# Maharádžova rekordní objednávka: Tata's Air India se chystá koupit 500 letadel

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A few decades ago, people would have hardly anticipated that self-driving cars would be a thing, but it is today- thanks to AI in Autonomous Systems (AIAS)! The same goes for UAVs (Unmanned Aerial Vehicles), smart robots, autonomous drones, etc. Humankind has birthed so many advanced technologies, and today, these technologies are birthing unending innovations and possibilities. Be it AI/ML or AIAS, or any other advanced technology for that matter, it has transformed the way the world functions, and only for good! From tech giants to small-scale industries and startups with bigger

ambitions, everyone wants to leverage advanced technologies to up their game and compete with the big names in the market.

But why are businesses on the hunt for skilled AI-AS and AI-ML engineers?

Since AI, AI-AS and Machine Learning are currently on the boom, and everybody wants to hire experts in these domains, the demand for skilled AI-ML professionals is also on the rise. From the point of view of big brands and businesses, this is a competitive era, and only skilled tech professionals who can build and operate intelligent systems can take them ahead of their competitors. From the standpoint of a tech professional, it is a golden opportunity you can't afford to miss! Upskilling yourself in topics related to AI, AI in Autonomous Systems, and ML can open an avenue for bigger prospects, and companies would be willing to hire you for their key roles! Not just that, once you have in-depth knowledge of the subject and proper guidance, you might be able to build independent projects or even start creating full-fledged Intelligent Autonomous Systems/Products on your own. Honestly, the possibilities are endless!

In fact, a recent report<sup>1</sup> by McKinsey even says that "The need for skilled engineers who can build, run, and maintain AI systems to go up by 20-50 million globally by 2030", further reinstating how highly in-demand AI-ML tech professionals are going to be in the coming years. If that excites you already, why not take the plunge into learning and upskilling yourself in these advanced technologies? Dive into the world of AIAS and Machine Learning with this course from the Indian Institute of Science (IISc)

As the options for upskilling and getting trained in advanced technologies are endless, it is only natural to be indecisive about which course to take. If you're new to the technology and want to have an in-depth dive into the world of robotics, AI, AIAS and ML, the 9-month [PG Level Advanced Certification Programme on Machine Learning and AI for Autonomous Systems](#) from IISc could be a great consideration.

## Highlights of PG Level Advanced Certification Programme on ML and AIAS from IISc



This particular programme has the edge over other courses because:

- The programme is being offered by IISc, which has been ranked as the world's top research institute by QS Rankings<sup>2</sup> and NIRF<sup>3</sup>.
- The course will be taught by the eminent faculties from the Centre for Continuing Education (CCE) department of IISc, giving you highly experienced mentors to learn from.
- The programme offers a high-impact learning experience, which includes live interactive sessions, real-life examples and capstone projects, along with two days of campus visits.
- This programme's state-of-the-art curriculum is one of the highlights of the course because it's been designed by expert faculty members from IISc. The curriculum involves learning the implementation of AI in autonomous systems while also discussing the possibilities of applying the concepts to real-world scenarios.

Delving deeper into the programme curriculum

The programme's curriculum, as discussed, has been curated by expert faculty members from IISc, making it highly insightful already. On top of that, the course will also be experiential, with demonstrations and discussions on how the theories can be applied to day-to-day tasks. The curriculum includes 6 modules, starting from the Bridge Module (which covers the basics of probability and linear algebra), Foundations of ML and Deep Learning, Introduction to Sequential Decision Making and Reinforcement Learning, Data-driven Optimization, Reinforcement Learning Algorithms and RL Applications to Autonomous Systems.

Find out why professionals want to upskill in AIAS through the IISc program

- *“Being a part of the software industry, I have worked on projects that exposed me to AI and ML. I want to become an expert in Autonomous Systems by pursuing this course from IISc and take my career to the next level in AI and ML.”-*  
**Varsha, Software developer in an MNC with 3 years of work experience.**
- *“I am currently involved in the engineering of Hybrid/ Electric/ Fuel Cell vehicle systems & Control strategy development. I want to build my knowledge in Autonomous systems and AI/ML to further enhance my expertise in EV technology.”-*  
**Suresh, General Manager in an automobile manufacturing company with 15+ Years of experience.**
- *“I have been working in the IT industry for more than 15 years and have extensive knowledge of designing distributed systems using various programming languages like Java, react, etc. I want to give impetus to my self-learning with a methodological approach. I believe that this course will help me accelerate my career in AI/ML and will provide the right direction for my interest.”* -**Nishank, Software Architect with 15+ years of experience.**

- *“Coding is my passion, and I want to be on the cutting edge of AI, learning from the best. From this program, I expect to learn the intricacies of AI, which in turn will help me kickstart my AI journey and build a new direction in my career in both AI and Autonomous Systems.”* - **Pratyush, Senior Consultant in the technology domain with 14 years of experience.**

Why do you need this program now more than ever?

The program doesn't just acquaint you with the know-how of AIAS; rather, it helps you build expertise in the domain while also driving your professional growth. If you're a team lead or someone who manages a tech team, through the programme, you'll be able to direct or empower your team to create effective automation systems within your organisation. If you're on the lookout for a change in your current domain, the programme will help you successfully transition into roles that require AIAS expertise. People aspiring to build a successful career in the field of AI in autonomous systems can start building their base and acquiring industry knowledge of the field through this course. Regardless of the domain, AI knowledge can help you create reliable decision-making systems for complex, unpredictable contexts. Furthermore, the course completion certificate provided by IISc will be the highlight of your resume. As the demand for skilled AIAS professionals continues to surge in industries like automotive, health, military, manufacturing, and retail because of their significant uptake in the use of autonomous systems, the PG Level Advanced Certification Programme on ML and AIAS from IISc can help you grab the opportunity with both of your hands.

Eligibility of the programme

To join this program, you need to have some basic prerequisites. Firstly, you should either have a Bachelor's in Engineering (BE) or a Bachelor's of Technology degree with at least 50% marks or have at least 4 years of professional experience in the related field. You also need to have some basic coding experience, most preferably in

Python. Additionally, it would be helpful if you had some amount of exposure to engineering mathematics.

Course specifics: Details to keep in mind

Once you have made up your mind to get enrolled on the course and also meet the eligibility criteria, you should have the below details handy to finally take a call and proceed with your enrolment.

Programme starting from: March 2023

Program fee: ₹2,80,000

Application fee: ₹2,000

Course-duration: 9-months

Mode: Online via iPearl.ai platform

If you seek to leverage the boom in advanced technologies like AI-AS and ML and build a successful career in this domain, this is the best time to start learning! Learn more about the scope of AI-AS technology, and get yourself enrolled in high-impact courses like PG Level Advanced Certification Programme on ML and AIAS from IISc by visiting their [website](#).

References:

1. <https://www.mckinsey.com/featured-insights/future-of-work/ai-automation-and-the-future-of-work-ten-things-to-solve-for>

2.

Read Also

[QS World University Rankings: IISc-Bengaluru is top research varsity](#)

[IISc-Bengaluru is now the 'fastest-rising' South Asian university, inching closer to the global Top 150, having gained 31 places to 155 in this year's QS World University Rankings. It remains the world's top research university, ahead of Harvard, Princeton University and MIT. IITs in Guwahati \(37th\)](#)

3. <https://www.nirfindia.org/2022/ResearchRanking.html>

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NEJNOVĚJŠÍ  
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Pane Narayano Murthy, Aizawl je město pro vás

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