



AI Skilling Program

Specifically designed for students of non-computing engineering areas such as Electrical, Mechanical, and Civil Engineering, etc.

Duration:

- **In-Person Classes:** 6 days (3 weekends in August)
- **Online Engagement:** August 12, 2024 – October 19, 2024

Location:

- Bangalore (In-person and online)

Certification Examination:

- **Eligibility:** Students scoring over 80% in the end of instruction test.
- **Examination Scheduling:** Eligible students have 15 days to schedule their Microsoft Certification examination.
- **Examination Completion Deadline:** Latest by September 30th.
- **Preparation:** Eligible students are highly encouraged to take online practice tests and exam simulations provided by us.

Applied Skills Project:

- **Eligibility:** All students are required to complete this.
- **Project:** Choose one hands-on Applied Skills project from Microsoft as per the [Microsoft Applied Skills Challenge](#).
- **Completion Requirement:** All students must complete and get a verified skill from Microsoft as an exit criterion of the program and to be eligible to get an internship certificate.
- **Support:** Weekly two query resolution and doubt-clearing sessions starting from September 3rd, every Tuesday and Thursday at 4:30 PM (excluding holidays) until mid-October.

This ensures a clear understanding of the training program, certification examination, applied skills project requirements, and support mechanisms.

Prerequisites:

- Access to a laptop/desktop
- Internet connection
- A student login ID from a recognized academic institution (e.g., ending in .edu, .ac.in, .edu.in, etc.)

LMS Access: All students will get access to learning content and online LMS from the date of registration. The LMS access will expire on October 19, while the online content will remain available to them.

	Time	Activity
Saturday, August 10th (BOOT CAMP - DAY1)	11:00 AM -	Introduction, Creation of accounts on MS
	1:00 PM	Learn, Signup for \$100 Pass from Azure
	1:00 PM -	Lunch Break
	2:00 PM	
	2:00 PM -	Introduction to Microsoft AI-900, First Module:
Sunday, August 11th (BOOT CAMP - DAY2)	4:00 PM	AI Overview (Part 1)
	11:00 AM -	Continue AI Overview (Part 2)
	1:00 PM	
	1:00 PM -	Lunch Break
	2:00 PM	
Activity 1	2:00 PM -	Second Module: Computer Vision (Part 1)
	4:00 PM	
	Online	Research and Presentation on AI Applications in Your Engineering Field (5-minute video) Due Date August 16, 2024
Activity 2	Online	AI Ethics and Impacts Essay and Discussion (5-minute video) Due Date August 23, 2024
Saturday, August 24th (BOOT CAMP - DAY3)	11:00 AM -	Complete Computer Vision (Part 2)
	1:00 PM	
	1:00 PM -	Lunch Break
	2:00 PM	
	2:00 PM -	Start Third Module: Natural Language
Sunday, August 25th (BOOT CAMP - DAY4)	4:00 PM	Processing (NLP) (Part 1)
	11:00 AM -	Complete Natural Language Processing (NLP)
	1:00 PM	(Part 2)
	1:00 PM -	Lunch Break
	2:00 PM	
Activity 3	2:00 PM -	Fourth Module: Document Intelligence and
	4:00 PM	Knowledge Mining (Part 1)
	Online	Case Study Analysis of AI Implementation (5-minute video) Due Date August 30, 2024
Saturday, August 31st (BOOT CAMP - DAY5)	11:00 AM -	Fifth Module: Generative AI
	1:00 PM	
	1:00 PM -	Lunch Break
	2:00 PM	
	2:00 PM -	Review and Revision (Part 1)
	4:00 PM	

Sunday, September 1st (BOOT CAMP - DAY6)	11:00 AM - 1:00 PM	End of Instruction Test
	1:00 PM - 2:00 PM	Lunch Break
	2:00 PM - 4:00 PM	Interaction with Senior Experts (Microsoft, Amazon, Google)
Activity 4	Online	Concept Proposal for AI in Engineering Projects (5-minute video) Due Date September 7 2024
Tuesday, September 3rd	4:30 PM - 5:30 PM	First Online Query Resolution and Doubt-Clearing Session
Thursday, September 5th	4:30 PM - 5:30 PM	Online Query Resolution and Doubt-Clearing Session
Continues Every Tuesday and Thursday until Mid-October	4:30 PM - 5:30 PM	Online Query Resolution and Doubt-Clearing Sessions (Excluding Holidays)
Monday, September 30th		Deadline for Eligible Students to Complete Certification Exam
Saturday, October 19th		LMS Access Expires
Saturday, October 19th		End of Online Query Resolution and Doubt-Clearing Sessions

Notes:

- Certification vouchers sponsored for students scoring over 80% in the test.
- All students must complete and get a verified skill from Microsoft as an exit criterion of the program and to be eligible to get an internship certificate.
- Encourage participants to engage actively during the interaction sessions with experts.
- Weekly two query resolution and doubt-clearing sessions starting from September 3rd, every Tuesday and Thursday at 4:30 PM (excluding holidays) until mid-October.

Activity details:

Activity 1: Research and Presentation on AI Applications in Your Engineering Field

Objective: Students will research AI applications in their engineering field and prepare a presentation video.

Due Date: August 16,2024

Steps:

1. **Research (3 hours):** Use library resources, academic journals, and industry reports to find current AI applications in their field.
2. **Content Creation (2 hours):** Create a script and presentation slides summarizing findings. Include:
 - Introduction to AI in their field
 - Specific case studies with data and examples
 - Benefits and challenges of AI applications
 - Future prospects and potential developments
3. **Video Preparation (1 hour):** Record a 5-minute video presentation using their preferred language.

Guidelines for Video:

- **Slide Count:** 5-7 slides
- **Content:** Use bullet points, images, and diagrams
- **Timing:** Ensure each slide is discussed for approximately 30-60 seconds
- **Delivery:** Clear, concise, and engaging presentation style
- **Language:** Use preferred language for better comprehension and engagement

Activity 2: AI Ethics and Impacts Essay and Discussion

Objective: Students will explore the ethical considerations and societal impacts of AI in their engineering discipline and present their findings in a video.

Due Date: August 23,2024

Steps:

1. **Research (3 hours):** Investigate ethical issues and societal impacts using academic journals, news articles, and industry reports. Topics may include:
 - Job displacement
 - Privacy concerns
 - Safety and security
2. **Writing (2 hours):** Write a detailed script discussing these issues. Provide balanced arguments, potential solutions, and personal viewpoints.

3. **Video Preparation (1 hour):** Record a 5-minute video summarizing the key points of the essay in their preferred language.

Guidelines for Video:

- **Time Limit:** 5 minutes
- **Content:** Summarize key points of the essay
- **Engagement:** Encourage clear and engaging presentation
- **Language:** Use preferred language for better comprehension and engagement

Activity 3: Case Study Analysis of AI Implementation

Objective: Students will analyze a real-world case study of AI implementation in their engineering field and present their analysis in a video.

Due Date: August 30,2024

Steps:

1. **Selection (1 hour):** Choose a case study from academic journals, industry reports, or reputable sources. Avoid simply copying online content.
2. **Analysis (3 hours):** Analyze the case study, focusing on:
 - Problem addressed
 - AI solution implemented
 - Outcomes and results
 - Challenges and key success factors
3. **Write-Up and Video Preparation (2 hours):** Prepare a script and slides summarizing the analysis and record a 5-minute video.

Guidelines for Video:

- **Slide Count:** 5-7 slides
- **Content:** Include problem statement, AI solution, results, and lessons learned
- **Timing:** Allocate time evenly across slides
- **Delivery:** Clear, concise, and engaging
- **Language:** Use preferred language for better comprehension and engagement

Activity 4: Concept Proposal for AI in Engineering Projects

Objective: Students will propose a concept for an AI application that addresses a problem or improves processes in their engineering field and present it in a video.

Due Date: September 7,2024

Steps:

1. **Brainstorming (2 hours):** Identify a problem or inefficiency in their field. Use brainstorming techniques like mind mapping.

2. **Research (2 hours):** Look into existing AI technologies and tools that could be leveraged. Avoid using AI tools to generate ideas directly.
3. **Proposal Creation (2 hours):** Develop a script outlining:
 - The problem and its significance
 - Proposed AI solution
 - Expected benefits and implementation plan
 - Create a 5-minute video pitch

Guidelines for Video Pitch:

- **Length:** 5 minutes
- **Structure:** Introduction, problem statement, proposed solution, benefits, and conclusion
- **Visuals:** Use visuals like slides, diagrams, and images to enhance the pitch
- **Delivery:** Clear, engaging, and professional presentation style
- **Language:** Use preferred language for better comprehension and engagement

These activities require students to engage in research, critical thinking, and practical application, with the final output being a video in their preferred language, ensuring a deeper understanding and engagement with the subject matter.

Key Dates:

- **August 10, 2024:** Start of Offline classes
- **August 12, 2024:** Start of online engagement
- **September 3, 2024:** First online query resolution session
- **September 30, 2024:** Deadline for certification exam completion
- **October 19, 2024:** End of online engagement and LMS access

Public Holidays in Bangalore:

- Independence Day: August 15th (Thursday)
- Vara Mahalakshmi Puja: August 16th (Friday)
- Ganesh Chaturthi: September 7th (Saturday)
- Gandhi Jayanthi: October 2nd (Wednesday)