

ABOUT THE “AI FOR FUTURE WORKFORCE” PROGRAM :

Intel has developed a comprehensive AI readiness program called AI for Future Workforce in partnership with Vocational Institutes and Community Colleges worldwide to provide students with AI skills. The key aim is to address employability and real-world business needs.

The program provides a non-academic pathway for the future workforce to contribute to a digital economy and evidence of employability-readiness for potential employers. It will be deployed globally with modular, experiential learning content that is mappable to local institutions' needs with Intel-powered AI Labs. Industry training is also included with partners for real-world exposure.

EMINENT SPEAKERS:

DR. ASWATHY RAVIKUMAR

An AI enthusiast with twelve years of teaching and research experience, specializing in deep learning, DCAI, AI ethics, MLOps, Generative AI, distributed computing, and XAI. Actively engaged in training and skilling students and professionals in cutting-edge AI and deep learning research.

MS. BHAVYA SHUKLA

An AI trainer with over 9 years of experience, leads AI training at Digital Readiness programs while pursuing a PhD in Cyber Forensics. Her expertise in AI and cybersecurity supports skill development in the evolving digital landscape.



SCHOOL OF
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INSTITUTION'S
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(Ministry of Education, Government of India)

DAYANANDA SAGAR UNIVERSITY School of Engineering

Devarakaggalahalli, Harohalli, Kanakapura Rd, Dt. Ramanagara,
Karnataka-562112

FIVE DAYS FACULTY DEVELOPMENT PROGRAM

on

“INTEL AI for Future Workforce”



organised by

The Department of
CST

&

The Department of
CSE(AI&ML)

in collaboration with



DATE: 13th -22nd August 2024

TIME: 9.00AM to 4.00PM

VENUE: Lecture Hall 2

Registration Link :

<https://forms.gle/PXaj8Re3VFdamDkV9>



Note: For faculties inside DSU only

PATRON MEMBERS

Chief Patrons

Dr. D. Hemachandra Sagar

Chancellor, Dayananda Sagar University

Dr. D. Premachandra Sagar

Pro-Chancellor, Dayananda Sagar University

Patrons

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Dr. Amit R. Bhatt, Vice Chancellor, DSU

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Dr. Kousalya Govardhanan, Dean of Research,
DSU

Dr. Ramesh R Galigekere, Dean of Academics,
SoE, DSU

Conveners

Dr. Jayavrinnda Vrindavanam V, Chairperson,
CSE (AIML), SoE, DSU

Dr. M Shahina Parveen , Chairperson,
CST, SoE, DSU

FDP Coordinators

Dr. A. Vegi Fernando, Associate professor,
Department of CSE(AIML)

Prof. Jeevaraj R, Assistant Professor,
Department of CSE(AIML)

Prof. Mithaguru, Assistant Professor,
Department of CSE(AIML)

Prof. Ramandeep Kaur, Assistant Professor,
Department of CST

Prof. Vinayaka V M, Assistant Professor,
Department of CST

Prof. Yashaswini B V, Assistant Professor,
Department of CST



WORKSHOP OVERVIEW

ABOUT DSU

Established in 2014, Dayananda Sagar University (DSU) aims to excel in Engineering and Health Sciences education. The school of Engineering under DSU focuses on science and technology education for industry and research, partnering with multinational corporations to establish innovative laboratories, aligning with India's future as a global research hub.

ABOUT THE DEPT. OF CST

The Department of Computer Science & Technology integrates theoretical and applied learning to equip students with skills in computing and entrepreneurship. Emphasizing project-based learning, students gain hands-on experience in hardware, software, networks, and databases. The department's qualified professionals foster critical thinking and problem-solving, preparing students to innovate in Information to Intelligence Technology.

ABOUT THE DEPT. OF CSE(AI&ML)

The B.Tech in Computer Science (AI and ML) program combines core computer science concepts with specialized AI courses. It prepares students in basic sciences, math, statistics, and AI, emphasizing 21st-century skills, project-based learning, and hands-on sessions. The curriculum includes liberal arts, foundational, professional courses, electives, and options for MOOC, research projects, and internships.

Day 1 - OFFLINE

Introduction to AI for the Future Workforce, covering core concepts and their relevance to modern industry applications. Facilitators will provide an overview of program objectives and expectations, setting the stage for the hands-on sessions and collaborative projects to follow.

Day 2 - OFFLINE

Deep dive into Machine Learning foundations, including key algorithms and data handling techniques. Participants will engage in practical exercises and group discussions to reinforce theoretical knowledge. Focus will be on developing problem-solving skills.

Day 3 - ONLINE

Exploration of Natural Language Processing (NLP) and Text Mining. Sessions will include hands-on projects to apply NLP techniques in real-world scenarios. Participants will work in small groups to enhance collaborative learning and peer feedback.

Day 4 - ONLINE

Introduction to Robotics and its applications in AI. Participants will work on projects involving reasoning and problem-solving, with an emphasis on integrating AI with physical systems. Facilitators will guide practical sessions to build prototypes.

Day 5 - ONLINE

Focus on advanced topics and project presentations. Participants will showcase their projects and receive feedback from facilitators and peers. The day will end with a discussion on future trends in AI and career opportunities in the field.

Workshop Objectives:

- Develop a complete understanding of AI for Future Workforce program objectives, content, delivery mechanisms, and its intended outcomes.
- Build a clear implementation and action plan with the delivery timeline as aligned to the Intel program
- Be prepared to become a role model to facilitate the learning of students in their journey of AI readiness (not just teach students what to do)

Hardware/Software Requirements:

Must have infrastructure:

- High-speed internet connection
- Webcam
- Speaker and Mic or Headphone

Minimum Requirement:

- Intel i5 12th gen processor (8GB RAM) or above
- Windows 10 Pro

Recommended:

- Intel i7 12th gen processor (16GB RAM) or above
- 512GB SSD and 1TB HDD
- Graphics capability enabled (Intel Integrated or external)
- Windows 10 Pro