AICTE Training and Learning (ATAL) Academy Initiative

One Week Online Faculty Development Program

on

AI-Driven Educational Technologies for Enhanced Teaching and Learning

(20th Jan 2025 to 25th Jan 2025)

Organized By

Department of MCA

K.K.Wagh Institute of Engineering Education & Research Nashik

(7Programme NBA Accrediated, NAAC "A" Grade, An Autonomous institute Affilated to SPPU, Pune)

ABOUT THE INSTITUTE

The institute was established in the year 1984 at Bhausaheb Nagar (Tal. Niphad, Dist. Nashik) and shifted to Nashik City in September 1986. The institute is approved by All India Council of Technical Education (AICTE), New Delhi and Government of Maharashtra, An Autonomous institute from A.Y. 2022-23 and affiliated to Savitribai Phule Pune University and has recognition under section 2 (F) and 12(B) of (UGC ACT 1956). The institute is adjudged as Grade 'A' by Government of Maharashtra. The institute is accredited by National Assessment & Accreditation Council (NAAC) with 'A' Grade, It is only institute in Nashik to be grouped thrice under "Platinum Category" by AICTE-CII Survey of Industry Linked Institutes and according to NIRF ranking survey 2016 ranked 85th amongst all engineering institutes in India. The only institute under SPPU that received funding for AICTE-Idea Lab Project.

Department of MCA

The Department of MCA was established in 2007, approved by AICTE New Delhi, and is affiliated with Pune University. It is the only institute in the Nashik region to receive NBA accreditation from AICTE, New Delhi. The department provides quality technical education in the field of Computer Applications to meet the challenges of globalization. It is equipped with state-of-the-art facilities and laboratories, offering excellent computational resources. The department is highly active academically, with a commitment to producing not only technically proficient students but also responsible citizens who contribute to the nation's overall progress and development.

Vision of the Department

Commitment to create professionals by providing education that serves as a valuable resource to industry and ensures satisfaction of needs of society ethically

Mission of the Department

M1: To provide high quality professional curricula to serve industry needs in step with the current trends

M2: To inculcate temperament to use modern tools and technologies to enhance the skills of computer application professionals

M3: To create an intellectually stimulating environment for creativity, innovation, entrepreneurship and research culture

M4: To promote healthy practices such as team building, community service and extension activities leading to holistic development of budding professionals

PROGRAM OBJECTIVES

PEO1: To build core competency through analysis, design, and development of software

PEO2: To develop the ability among learners to demonstrate professional skills, ethical practices and soft skills leading to entrepreneurship development, enhancement of employability and prepare for life-long learning

PEO3: To nurture the aptitude among learners to contribute significantly in the technological advancement through research and development to provide the effective solutions for IT related problems of the society and industry

ABOUT FDP

Through the provision of individualized learning, assessment automation, and increased student involvement, artificial intelligence (AI) is revolutionizing the field of education. The integration of AI in education is the main emphasis of this Faculty Development Program (FDP), which covers the fundamental ideas, useful tools, and real-world uses of AI-driven technology in instruction. In order to enhance educational results, participants will investigate intelligent tutoring, adaptive learning systems, and AI-based analytics.

The FDP seeks to provide teachers the tools they need to integrate AI into their lesson plans, encouraging

creativity and academic success. By the end, participants will have gained the ability to apply AI technologies to construct learning environments that are efficient, engaging, and individualized, therefore improving the state of current education.

KEY SPEAKERS AND FDP TOPICS:

The following are the details of key speakers and topics will be discussed and covered during the faculty development program:

Photo	Name and Designation of Resource Person	Topic
	Prof. Rajendra M. Sonar, Professor, Indian Institute of Technology, Bombay	Rising Interest of AI in Education: Opportunities and Trends
	Ms. Sonal Temgire, Senior Technical Program Manager, Mastercard, Pune	Toward Policies for AI in Education: Ethical and Equitable Approaches and AI Tools for Ethical Policy Building (e.g., PolicyMap, Socrata)
	Dr. Abhishek Patange, Data Science & AI Specialist, ABB Bengaluru	Reasons to Address AI in Education Now
	Dr. Shilpa Chaudhari, Professor, M S Ramaiah Institute of Technology, Bengaluru	Building Ethical, Equitable Policies in AI-Driven Education
	Mr. Jayant Shripathi, Specialist, Data Analytics, AT&T, Bengaluru	Centering Educators and Students in AI Implementations (e.g., Canvas, Blackboard)
	Dr. Abhishek Bhatt, Director, Symbiosis Skills and Professional University, Pune	Ensuring Safety, Ethics, and Effectiveness in AI-Driven Education (e.g., Fairness Toolkit, IBM AI Fairness 360)
	Prof. Arvind Yadav, Associate Professor, Nirma University, Ahmedabad, Gujarat	AI-Enabled Adaptivity in Learning: Personalized Education (e.g., Carnegie Learning, Smart Sparrow) and Balancing Human and AI Decision-Making in Education (e.g., IBM Watson, Microsoft Azure AI)
	Mr. V. D. Nichit, Software Development Engineer, Faurecia IT Ltd, Pune	Using AI for Formative Assessments: Enhancing Feedback and Reducing Bias (e.g., Gradescope, Turnitin)
	Mr. Vijaymani Gulati, Senior Associate, Cognizant, Zurich, Switzerland	AI Tools for Adaptive Learning (e.g., McGraw-Hill Education's ALEKS, Pearson's MyLab)
	Mr. Dinesh Khairnar, Principal Architect, OpenText Software GmbH, BW, Stuttgart, Germany	AI in Educator Support and Student Engagement (e.g., Squirrel AI, Duolingo)

PARTICIPANTS:

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government organizations, Industry (Bureaucrats/ Technicians/ Participants from Industry etc.) and staff of host institution.

REGISTRATION:
For registration refer the following link
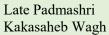**https://atalacademy.aicte-india.org/**

INSTRUCTIONS:
1. All registered participants are required to fill a consent form for confirmation of their participation in the FDP. The registration will be approved by the organizer only after receipt of the consent form.
2. Attendance in all sessions is mandatory with minimum of 80%.
3. A test will be conducted by the coordinator at the end of the program.
4. The certificates will be issued to those participants who have attended the program with minimum 80% of attendance and scored minimum 70% marks in the Continuous comprehensive Assessment.

Our Inspiration

Late Padmashri Kakasaheb Wagh

Late Hon. Shri. Balasaheb Wagh

PATRON
Hon. Shri. Sameer B. Wagh
President
K. K. Wagh Education Society, Nashik

Prof. (Dr.) Keshav N. Nandurkar
Principal
K.K.Wagh I.E.E.R. Nashik.

COORDINATOR
Dr. Vandana C. Bagal
Head and Associate Professor
Department of MCA, K.K.Wagh I.E.E.R. Nashik

CO- COORDINATOR
Mrs. Archana L. Rane
Department of MCA, K.K.Wagh I.E.E.R. Nashik

CONTACT DETAILS:
vcbagal@kkwagh.edu.in/alrane@kkwagh.edu.in
+91-**8378970452** / +91-**9423969551**

ATAL Online 6 Day Faculty Development Programmes 2024-25 Schedule

FDP Thrust Area: Advanced Computing (Supercomputing, AI, Quantum Computing)
FDP Title: AI-Driven Educational Technologies for Enhanced Teaching and Learning
Start Date: 20th Jan 2025   **End Date: 25th Jan 2025**

Day 1 20th Jan 2025	Day 2 21st Jan 2025	Day 3 22nd Jan 2025	Day 4 23rd Jan 2025	Day 5 24th Jan 2025	Day 6 25th Jan 2025
6:00PM to 6:30PM **Inaugural Session**	6:00PM to 7:30PM **Session 3** Topic: Reasons to Address AI in Education Now Name of the Expert: Dr. Abhishek Patange, Designation & Organization: Data Science & AI Specialist, ABB Bengaluru Years of Exp: 20 Years	6:00PM to 7:30PM **Session 5** Topic: Centering Educators and Students in AI Implementations (e.g., Canvas, Blackboard) Name of the Expert: Mr. Jayant Shripathi Designation & Organization: Specialist, Data Analytics , AT &T, Bengaluru Years of Exp: 12 Years	6:00PM to 7:30PM **Session 7** Topic: Ensuring Safety, Ethics, and Effectiveness in AI-Driven Education (e.g., Fairness Toolkit, IBM AI Fairness 360) Name of the Expert: Dr. Abhishek Bhatt Designation & Organization: Director, Symbiosis Skills and Professional University, Pune Years of Exp: 15 Years	6:00PM to 7:30PM **Session 9** Topic: Balancing Human and AI Decision-Making in Education(e.g., IBM Watson, Microsoft Azure AI) Name of the Expert: Prof. Arvind Yadav Designation & Organization: Associate Professor, Nirma University , Ahmedabad, Gujarat Years of Exp: 10 Years	2:00PM to 3:30PM **Session 11** Topic: AI Tools for Adaptive Learning (e.g., McGraw-Hill Education's ALEKS, Pearson's MyLab) Name of the Expert: Mr. Vijaymani Gulati Designation & Organization: Senior Associate , Cognizant, Zurich , Switzerland Years of Exp: 14 Years
6:30PM to 8:00PM **Session 1** Topic: Rising Interest of AI in Education: Opportunities and Trends Name of the Expert: Prof. Rajendra M. Sonar Designation & Organization: Professor, IIT, Bombay Years of Exp: 25 Years	7:30PM to 9:00PM **Session 4** Topic: Building Ethical, Equitable Policies in AI-Driven Education Name of the Expert: Dr. Shilpa Chaudhari Designation & Organization: Professor, M S Ramaiah Institute of Technology, Bengaluru Years of Exp: 25 Years	7:30PM to 9:00PM **Session 6** Topic: Advancing Equity through AI-Enhanced Learning Tools (e.g., DreamBox, Knewton) Name of the Expert: Prof. Rajendra M. Sonar Designation & Organization: Professor, IIT, Bombay Years of Exp: 25 Years	7:30PM to 9:00PM **Session 8** Topic: AI-Enabled Adaptivity in Learning: Personalized Education (e.g., Carnegie Learning, Smart Sparrow) Name of the Expert: Prof. Arvind Yadav Designation & Organization: Associate Professor, Nirma University , Ahmedabad, Gujarat Years of Exp: 10 Years	7:30PM to 9:00PM **Session 10** Topic: Using AI for Formative Assessments: Enhancing Feedback and Reducing Bias (e.g., Gradescope, Turnitin) Name of the Expert: Mr. V. D. Nichit Designation & Organization: Software Development Engineer, Faurecia IT Ltd Pune Years of Exp: 7 Years	3:30PM to 5:00PM **Session 12** Topic: AI Tools for Ethical Policy Building (e.g., PolicyMap, Socrata) Name of the Expert: Ms. Sonal Temgire Designation & Organization: Senior Technical Program Manager , Mastercard, Pune Years of Exp: 11 Years
8:00PM to 9:30PM **Session 2** Topic: Toward Policies for AI in Education: Ethical and Equitable Approaches Name of the Expert: Ms. Sonal Temgire Designation & Organization: Senior Technical Program Manager , Mastercard, Pune Years of Exp: 11 Years		**CONTACT US:** *FDP Coordinators:* *Dr. Vandana Chetan Bagal* *Associate Professor & Head* *K. K. Wagh Institute of Engineering education and Research, Nashik* Contact: +91 8378970452 (WhatsApp Message) Email: vcbagal@kkwagh.edu.in		*FDP Co-Coordinators:* *Ms. Archana Liladhar Rane* *Assistant Professor* *K. K. Wagh Institute of Engineering education and Research, Nashik* Contact: +91 9423969551(WhatsApp Message) Email: alrane@kkwagh.edu.in	5:00PM to 7:30PM **Session 13** Topic: AI in Educator Support and Student Engagement (e.g., Squirrel AI, Duolingo) Name of the Expert: Mr. Dinesh Khairnar Designation & Organization: Principal Architect, OpenText Software GmbH , BW, Stuttgart Germany Years of Exp: 23 Years
	NO REGISTRATION FEE Register through ATAL Portal, Select Online FDP ID: https://atalacademy.aicte-india.org/login				6:30PM to 7:30PM **Online test & feedback** 7:30PM to 8:00PM **Valedictory Session**