



Dr. V. Rajeev
Founder

RAJEEV INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Approved by AICTE,
New Delhi, Recognized by Govt. of Karnataka)
Bangalore-Mangalore Bypass Road, HASSAN – 573201, Karnataka, India.



AICTE Training and Learning (ATAL) Academy Sponsored
SIX Days Offline Faculty Development Program
on

AI-DRIVEN MEDICAL IMAGE FUSION ANALYSIS AND DISEASE PREDICTION IN HEALTHCARE

During 14th to 19th July, 2025

Venue: Rajeev Institute of Technology, Hassan

Organized by

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE
AND DATA SCIENCE**



ATAL Academy:

AICTE Training and Learning (ATAL) Academy is established with the vision “To empower faculty to achieve goals of Higher Education such as access, equity and quality”. AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understand that there is a need to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines. Training is required for increasing the knowledge and skills of students to make them more employable to acquire global competencies.

About Rajeev Institute of Technology:

Founded in 2008, Rajeev Institute of Technology (RIT) is a leading engineering institution renowned for its academic excellence and industry-focused programs. With a team of highly qualified faculty and an emphasis on innovation, RIT equips students to tackle future technological challenges.

RIT is committed to advancing technical education by providing students with newly equipped classrooms and laboratories, supported by a skilled faculty. Our goal is to foster awareness, active participation, and collaboration with the outside world, ensuring a holistic learning experience.

RIT strives to establish itself as a center of excellence in technical education through continuous improvement. We are dedicated to encouraging innovative thinking, research, and development while also promoting extra curricular and co-curricular activities to nurture well-rounded professionals.

About the Department:

The Department of Artificial Intelligence & Data Science (AI & DS) is dedicated to fostering excellence in cutting-edge technologies that shape the future of intelligent computing. Established with a vision to empower students with the knowledge and skills required in the era of AI-driven innovations, the department integrates core principles of machine learning, deep learning, big data analytics, and intelligent systems.

The department offers a well-structured syllabus covering AI algorithms, data analytics, neural networks, natural language processing, and cloud computing, ensuring students are industry-ready. Strong partnerships with leading tech companies, research institutions, and startups provide students with internship opportunities and exposure to the latest AI advancements. Regular technical workshops, FDPs, expert talks, and AI hackathons to enhance problem-solving skills and foster innovation.

About the Faculty Development Program

The objective of this FDP is to provide a comprehensive understanding of AI fundamentals in medical image analysis, explore medical image fusion techniques for enhanced visualization, and learn deep learning models for disease classification and prediction. It also aims to offer hands-on training with AI frameworks, present case studies on AI applications in radiology, and promote research and innovation in AI-driven healthcare.

The expected outcomes of this FDP include a deep understanding of AI-based image fusion methods, practical exposure to AI tools for disease prediction, insights into real-world applications and case studies, and awareness of emerging research trends in AI-driven healthcare.

Session of ATAL FDP Events

Date	Time	Name of the Resource Person	Topic
14-07-2025 (Monday)	09:00AM – 09:30 AM	Inauguration	
	09:30AM – 12:00PM	Dr. Dinesh R Head of Artificial Intelligence Samsung Electro-Mechanics, Bangalore.	Session 1: Introduction to AI and ML in Healthcare.
	02:00PM – 04:30PM	Dr. Chethana Kumara B M Lead Engineer, Samsung Electro Mechanics Bengaluru.	Session 2: Medical Image Analysis using AI, Predictive Analysis in Healthcare using ML.
15-07-2025 (Tuesday)	09:30AM – 12:00PM	Dr. Rajashree Krishna Assistant Professor Sr. Scale Manipal Institute of Technology, Manipal.	Session 3: Deep Learning, Neural Networks and transfer learning.
	02:00PM – 04:30PM	Dr. Hanumanthappa S Professor, Kalpataru Institute of Technology, Tiptur.	Session 4: Building a Healthcare Diagnostics Model and disease classification model.
16-07-2025 (Wednesday)	09:30AM – 12:00PM	Dr. Lohithashva B H Senior Associate Data Scientist Cognizant Technology solutions Bangalore.	Session 5: Pattern recognition, Gen AI in Healthcare.
	02:00PM – 04:30PM	Dr. Jayanth J Professor, GSSS Institute of Enng. & Technology, Mysore.	Session 6: Soft computing in AI
17-07-2025 (Thursday)	09:30AM – 12:00PM	Dr. Sharath Kumar Y H Professor and Head Maharaja Institute of Technology, Mysore.	Session 7: Basic Applications of AI and ML in Healthcare.
	02:00PM – 04:30PM	Dr. H. N. Prakash Professor, Rajeev Institute of Technology, Hassan.	Session 8: Research Opportunities in AI and ML for Healthcare.
18-07-2025 (Friday)	09:30AM – 12:00PM	Dr. Mahamad Suhil Applied ML Scientist., Amazon Ads., Bangalore.	Session 9: Segmentation and classification of skin lesions for disease diagnosis.
	02:00PM – 05:30PM	Industrial Visit	
19-07-2025 (Saturday)	09:30AM – 12:00PM	Dr. Manjunath S Principal Engineer, Samsung Electro Mechanics Bengaluru.	Session 10: Diagnosis system: an approach based on deep learning techniques.
	02:00PM – 05:30PM	MCQ Test, Reflection Journal, Feedback and Interactions, followed by the Valedictory Session.	

Chief Patrons:

Dr. Rachana Rajeev

President

Dr. Ranjith Rajeev

Vice-President

Dr. B. N. Rathna

Secretary & Treasure

Dr. S. Vidyashankar

Vice Chancellor, VTU, Belagavi.

Dr. B.E. Rangaswamy

Registrar, VTU, Belagavi.

Coordinators:

Dr. Sharath M N

Assoc. Professor & Head, Dept. of CSE (AIML)

Prof. Gopinath C B

Asst. Professor, Dept. of AI&DS

Prof. Anil Kumar K N

Asst. Professor, Dept. of CS&E

Prof. Chiranjeevi M R

Asst. Professor, Dept. of CS&E

Prof. Usha C D

Asst. Professor, Dept. of CS&E

Patrons:

Dr. Mahesh P K

Principal

Organizing Chairs:

Dr. Mohana H S

IQAC-Director

Dr. Rammurthy D

Dean Academics

Programme Chairs:

Dr. Prashantha S J

Professor & Head, Dept. of AI&DS

Dr. Vishwanath B R

Assoc. Professor, Dept. of E&CE

Target Participants:

Faculty Members from AICTE approved institutions,
Research Scholars, Industry Persons and PG Students
from Academic Institutes and Industry.

Requirements to Get Certificate:

Participants will be eligible for a certificate upon securing at least 70% cumulative weightage based on the following:

- Attendance
- One assessment
- Two Page Article Summary
- Output of practical sessions
- Report/outcome of Industrial visit
- Reflection Journal

Registration Details:

Participants can sign up and register for the program in AICTE ATAL Website Links.

<https://atalacademy.aicte.gov.in/login> Or
<https://atalacademy.aicte-india.org/signup>

Scan for Registration



REGISTRATION IS FREE

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Dr. Vishwanath B R

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