

Newsletter of Department of Artificial Intelligence & Machine Learning



NRI Institute of Information Science & Technology-VISION

“To attain global leadership in academics by exploring new frontiers of technology through innovative research and grooming future leaders as well as entrepreneurs.”

Department of Artificial Intelligence & Machine Learning-Vision

"To educate globally capable and ethically minded specialists in Artificial Intelligence and Machine Learning, primed to contribute to both industry and broader societal needs."

NRI Institute of Information Science & Technology-MISSION

M1: The Institute mission is to build tomorrow of Indian society by nurturing the career and lives of our students.

M2: The Institute is dedicated to providing quality education and focus on the overall development of the student.

M3: The Institute agenda is to prepare our students to make a difference in society and the world by being the best in whatever field they choose.

Department of Artificial Intelligence & Machine Learning-Mission

M1: To provide students with a top-tier technical education, empowering them to engage in lifelong learning and cultivate expertise in cutting-edge technologies within AI and ML.

M2: To promote research and development through opportunities collaboration with industry and governmental organizations, aim tackling intricate engineering challenges.

M3: To inspire students towards professional advancement by imbuing them with ethical principles and leadership skills, while engaging with the community to address societal issues collaboratively.

MESSAGE FROM HOD

Welcome to the Department of Artificial Intelligence & Machine Learning (AIML) at NIIST Bhopal.



The Department of AIML at NIIST was started in 2022 with an initial intake of 60 seats in the B.Tech. programme. The Department is strongly committed to imparting innovative and quality technical education with high standards at the undergraduate level. The faculty and non-teaching staff of the department are committed to preparing our students by providing the expertise and proficiency in artificial intelligence, machine learning, and related fields needed to thrive in our modern society.

AIML in the 21st century is the skill of the century. It has had a tremendous impact on human civilization. Artificial intelligence and, in general, intelligent systems have changed how we work, how we communicate, how we teach and learn, how we entertain, and so forth. AI and ML have become fundamental tools for augmenting human knowledge, which is an essential part of creation, discovery, and innovation.

The main goal of the department is to provide experiential learning opportunities such as hands-on training, project-based courses, research projects, and internships that provide a solid foundation to work in interdisciplinary teams that invent the future. The department covers a wide spectrum of research in the areas of algorithms, artificial intelligence, image processing, pattern recognition, machine learning, data mining, big data analytics, and computer security, led by a qualified and experienced team of faculty members.

In addition to the state-of-the-art curriculum, more emphasis is placed on enriching the students learning experience by providing value-added courses, skill-development programmes, and participating in technical competitions and hackathons at all levels, including state, national, and international platforms.

The students, faculty, and staff of AIML at NIIST believe in working together, we encourage each other, we help each other, and, most importantly, we believe in each other. This is the key to our students success at AIML at NIIST! Hence, to ensure the success of the department, we focus on productive interdisciplinary collaborations to work across a diverse set of projects, laboratories, departments, and industry partners.

I am confident that the Department of Artificial Intelligence and Machine Learning at NIIST is strongly prepared to face the exciting challenges of this new digital era and to be one of the best institutions in the state of Madhya Pradesh and in India.

This newsletter shows the journey of the department to industrial visit, technical learning, art submission and achievements of the department.

Prof. Mahendra Sahare
Associate Professor, HOD
AIML, NIIST

DEPARTMENT FACULTY PROFILE



Prof. Mahendra Sahare
Associate Professor & HOD

Currently working as a Head of the Department (Artificial Intelligence and Machine Learning), NIIST, He have done BE. M.Tech in Computer Science & Engineering from RGPV Bhopal. He has expertise in TOC, Compiler design, AI, Data Structure, ADA, Operating system, NLP. He has an academic experience of 14+ years and held academic responsibilities as a NBA, NAAC Criteria III Coordinator in the institutions. He is a member of ACM Student Chapter, life member of ARESS, Member of IIC NIIST Bhopal. He has one Patent, 10 publications in peer reviewed International/National journals with high impact factor and has 07 publications in various International Conferences held in India and abroad. His research interests include AI, Machine Learning, Mobile Ad Hoc Network and Internet of Things (IoT). He has participated in various ATAL FDPs and STTPs conducted by various institutions. He has received as best faculty award by the Management of NIIST Bhopal.

Working as an Assistant Professor in the Department (Artificial Intelligence and Machine Learning), NIIST, She have done BE. M.Tech in Computer Science & Engineering from RGPV Bhopal. He has expertise in Machine Learning, Deep Learning, Data Science, Big Data, Information Retrieval, Data Mining and Data Warehousing. She has an academic experience of 13 years and held academic. She has participated in various ATAL FDPs and STTPs conducted by various institutions.



Prof. Vandna Gautam Sharma
Assistant Professor



Prof. Jaya Malviya
Assistant Professor

Working as an Assistant Professor in the Department (Artificial Intelligence and Machine Learning), NIIST, She have done BE. M.Tech in Computer Science & Engineering from RGPV Bhopal. She has expertise in TOC, Data Structure, ADA, IWT, COA, and Data Warehousing & Data Mining, OOPM. She has an academic experience of 8 years and held academic experience in NBA. She has one Patent, 5 publications in International/National Publication. She has participated in various ATAL FDPs and Different FDP, STTP's conducted by various institutions.

Working as an Assistant Professor in the Department (Artificial Intelligence and Machine Learning), NIIST, She have done BE. M.Tech in Computer Science & Engineering from RGPV Bhopal. She has expertise in Software Engineering, IWT, Java and Artificial Intelligence, NLP. She has an academic experience of 4years and held academic experience in NBA. She has one Patent, 3 publications in International/National Publication. She has participated in various ATAL FDPs and Different FDP conducted by various institutions.



Prof. Mohini Dhummerkar
Assistant Professor

"हिंदी दिवस"

"हिंदी दिवस" भारत में महत्वपूर्ण महत्व रखता है क्योंकि यह भारतीय गणराज्य की आधिकारिक भाषा के रूप में हिंदी को अपनाने का जश्न मनाता है।

प्रतिवर्ष 14 सितंबर को मनाया जाने वाला यह दिवस भारत की समृद्ध भाषाई विविधता और देश की आधिकारिक भाषाओं में से एक के रूप में हिंदी को संरक्षित और बढ़ावा देने के महत्व की याद दिलाता है।

हिंदी दिवस का पालन भारत की सांस्कृतिक और भाषाई विरासत का एक प्रमाण है। यह देश भर के लोगों को विभिन्न सांस्कृतिक कार्यक्रमों, प्रतियोगिताओं और कार्यक्रमों के माध्यम से हिंदी भाषा की सुंदरता और समृद्धि का जश्न मनाने का अवसर प्रदान करता है।

इसके अलावा, हिंदी दिवस विविध भाषाई पृष्ठभूमि के लोगों को हिंदी को एक एकीकृत भाषा के रूप में सराहने और अपनाने के लिए प्रोत्साहित करके भाषाई सद्भाव और राष्ट्रीय एकता को बढ़ावा देने के लिए एक मंच के रूप में कार्य करता है। यह भारत के विभिन्न क्षेत्रों और राज्यों के लोगों के बीच संचार और एकता को बढ़ावा देने में हिंदी की भूमिका पर भी प्रकाश डालता है।

इसके अलावा, हिंदी दिवस शिक्षा, प्रशासन, साहित्य, मीडिया और शासन सहित विभिन्न क्षेत्रों में हिंदी के व्यापक उपयोग और विकास को सुनिश्चित करने के लिए भाषा नीतियों और पहलों के प्रभावी कार्यान्वयन की आवश्यकता पर जोर देता है। कुल मिलाकर, हिंदी दिवस भारत की समृद्ध विरासत और सांस्कृतिक एकता के प्रतीक के रूप में हिंदी के महत्व की पुष्टि करते हुए भारत की सांस्कृतिक पहचान, भाषाई विविधता और राष्ट्रीय एकता को बढ़ावा देने में अत्यधिक महत्व रखता है।



Add on Program on C and C++



NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY, BHOPAL
Department of Artificial Intelligence and Machine Learning(AIML)

ADD ON PROGRAM

Topic : Programming in C and C++
Target audience: IIIrd Semester students
Total Contact hrs : 45 hrs
Selection Procedure: Registration on First come First serve basis
Venue: Server Lab

Free Registration

Date of commencement the course: 15th Dec. 2023
Certificate Distribution: At the Completion of Course

For more details contact
Prof Mahendra Sahare
📞 88789 96487

Sajjan Singh Nagar, Opp. Patel Nagar, Raisen Road, Bhopal, 0755 - 4085500, www.nrigroupindia.com

About The add on Program:

The Department of Artificial Intelligence and Machine Learning organized an Add-on Program on C and C++ from December 15/03/2023, to December 30/03/2024. The program aimed to equip students with comprehensive knowledge and practical skills in these foundational programming languages. Participants included students from B.Tech programs in Artificial Intelligence and Machine Learning, Computer Science & Engineering, and Information Technology.

Resource Person: **Prof. Vandna Gautam**, Assistant Professor from the Department of Artificial Intelligence and Machine Learning. To provide participants with a solid understanding of C and C++ programming fundamentals. To explore advanced topics in C and C++ programming languages. To facilitate hands-on practice sessions to reinforce theoretical concepts



Workshop on Natural Language Processing

About the Workshop:

The workshop commenced with an introductory session providing an overview of NLP, its applications, and its significance in various domains. Basic concepts such as tokenization, stemming, and part-of-speech tagging were explained to familiarize students with the foundational components of NLP.

Hands-on Projects: The workshop concluded with hands-on project sessions where students had the opportunity to apply their newly acquired knowledge in practical NLP tasks. Guided by instructors



NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY, BHOPAL

WORKSHOP on Natural language processing

1st March to 6th March 2024

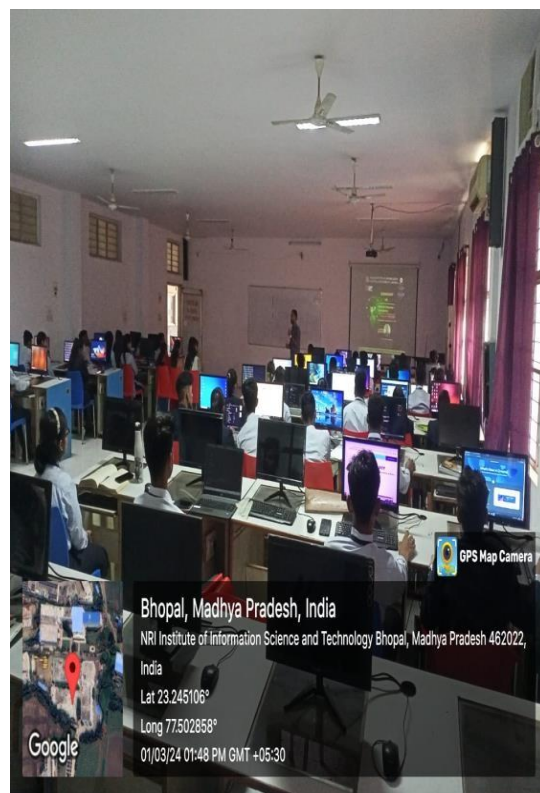
Venue: Server Lab Ground Floor, NIIST

Speaker

SHAILESH KUMAR MISHRA
Ex ML Engineer at Board Infinity
Currently working as technical trainer at Coding Thinker

Organized by Department of Artificial Intelligence & Machine Learning Engineering

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Industrial-visit

The industrial visit to the Meteorological Center was organized by Department of AI&ML for 50 participants from IV & VI semester. The purpose of the visit was to provide insights into the functioning, technologies, and operations of a meteorological center, which plays a crucial role in weather forecasting, monitoring, and related services.



STUDENT ACHIEVEMENTS

State Level cricket Competition 2022

Sateeka Nanda students of B. Tech AIML branch have secured 1st position in, state level cricket tournament competition 2022



NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY, BHOPAL

Department of Artificial Intelligence & Data Science

Congratulations

► 7th SEMESTER TOPPERS ◀



SAKSHI LANJEWAR
8.75 SGPA



ABHISHEK KUSHWAHA
8.21 SGPA

Contact No. 0755-4085500, 7587597437

www.nrigroupindia.com

NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY, BHOPAL

Congratulations

B.Tech

5th Semester Topper Students



AAFREEN ALI
SGPA 8.71



KHUSHI RAWAT
SGPA 8.42



RAMNAREESH AHIRWAR
SGPA 8.42

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NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY BHOPAL

Congratulations

on your

Excellent Performance
(B.Tech 2nd Semester)



SATAKSHI VAIDYA
8.05 SGPA



PRIYANSH PRAJAPATI
8.01 SGPA



SATYAM
7.76 SGPA



VIKASH PATLE
7.46 SGPA



TRISHIA PATLE
7.38 SGPA

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