A

REPORT OF

"AI & ML VOIS OFFLINE TRAINING"

HELD ON

23rd and 24th DECEMBER 2024

ORGANIZED

BY

DEPARTMENT OF ARTIFICIAL INTELLIGENCE

Association with

APPLIED SCIENCE

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

#15, Near Vajarahalli, Mallasandra, Kanakapura Road,

Bengaluru-560109

KAMMAVARI SANGHAM
K.S. GROUP OF INSTITUTIONS
K.S.SCHOOL OF ENGINEERING AND MANAGEMENT

KSSEM
K S SCHOOL OF ENGINEERING AND MANAGEMENT

No.15, Mallasandra,off Kanakpura road,Bengaluru-560109,
Affiliated to VTU,Belagavi & approved by AICTE,New Delhi,
Accredited by NAAC

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

in Association with

APPLIED SCIENCES

AI&ML | VOIS OFFLINE TRAINING

TRAINERS

MR. VISHWAS U K
IABAC DATA SCIENTIST

MR. THOUFIQ Z
DATA SCIENCE INSTRUCTOR

Training designed for all branches to enhance skills and drive success. Join us to grow, collaborate, and excel together!

PROGRAMME INCHARGE

DR. SWARNA S
HOD,
DEPT. OF CHEMISTRY

PROF. PAVITHRA J
HOD,
DEPT. OF PHYSICS

VENUE: AD SEMINAR HALL & CCP LAB, MAIN BLOCK

DATE: 23 & 24 DEC, 2024 TIME: 9 AM - 4 PM

IEEE

IEEE BANGALORE SECTION

IEEE COMPUTER SOCIETY
Bangalore Chapter

REPORT OF AI&ML TRAINING PROGRAM ORGANIZED BY

DEPARTMENT OF ARTIFICIAL INTELLIGENCE

Association with

APPLIED SCIENCE

23rd and 24th DECEMBER, 2024

Academic Year: 2024-25

TITLE OF THE PROGRAM: "AI&ML | VOIS OFFLINE TRAINING"

BRIEF SUMMARY OF PROGRAM: The Department of Artificial Intelligence in association with Applied Science, K S School of Engineering and Management organized a training program on **"AI&ML VOIS OFFLINE TRAINING"** on 23rd and 24th December 2024, training designed for all the branch students in offline mode to enhance skills and drive success. The training was delivered by a seasoned IABAC data Scientist Mr. Vishwas U K and data science instructor Mr. Toufiq Z. The training was attended by 380 students.

Special thanks to Mr. Adithya C, Sr. Business Development Manager at **EDUNET FOUNDATION**, for his invaluable support in organizing the trainers and facilitating this free, sponsored event. His dedication and efforts were key to making this event a great success.

PROGRAM OVERVIEW:

1. Develop a deep understanding of machine learning algorithms, techniques, and their applications.
2. Train students in NLP techniques for text and speech analysis and understanding.
3. Enable students to build predictive models for various applications and evaluate model performance.
4. To understand the artificial intelligence tools and concepts used to solve real-world complex problems.

OBJECTIVES OF THE PROGRAM:

1. Demonstrate fundamental understanding of the history of artificial intelligence and its foundations.
2. Apply the basic principles, models, and algorithms of AI to recognize, model, and solve problems in the analysis and design of information systems.
3. Analyze the structures and algorithms of a selection of techniques related to machine learning and Artificial Intelligence.
4. Able to design and implement various machine learning algorithms in a range of real-world applications.
5. Understanding the underlying mathematical relationships within and across Machine Learning algorithms and the paradigms of supervised and un-supervised learning.
6. Visualize, Analyze, and understand the real problems, and build predictive models for those complex problems.
7. To understand the user, challenge the existing assumptions, and redefine problems to identify alternative strategies and solutions.

SPEAKER'S DETAILS: **Mr. Vishwas U K** is an **international IABAC** certified Data Scientist with 3 years of teaching experience in Data Science and AI, specializing in Python, Machine Learning, Deep Learning, SQL, Computer Vision, and NLP. Proficient in data visualization, predictive modeling, and deriving actionable insights.

Mr.Thoufiq is an experienced Data Science instructor with over 3 years in the field, specializing in Machine Learning, Deep Learning and Data Analytics. Completed Bachelor's degree in Computer Applications from University of Mysore. Proficient in Python and SQL, he is skilled in using tools like Tensorflow, Scikit-Learn, Keras, PyTorch etc.

REPORT

The training program on **"AI&ML | VOIS OFFLINE TRAINING"** was held with the aim of demonstrate fundamental understanding of the history of artificial intelligence and its foundations. The training aimed to educate attendees on applying the basic principles, models, and algorithms of AI to recognize, model, and solve problems in the analysis and design of information systems. The lecture concluded with an interactive question-and-answer session where participants raised queries about the practicality, challenges, and future prospects of implementing these innovations. The

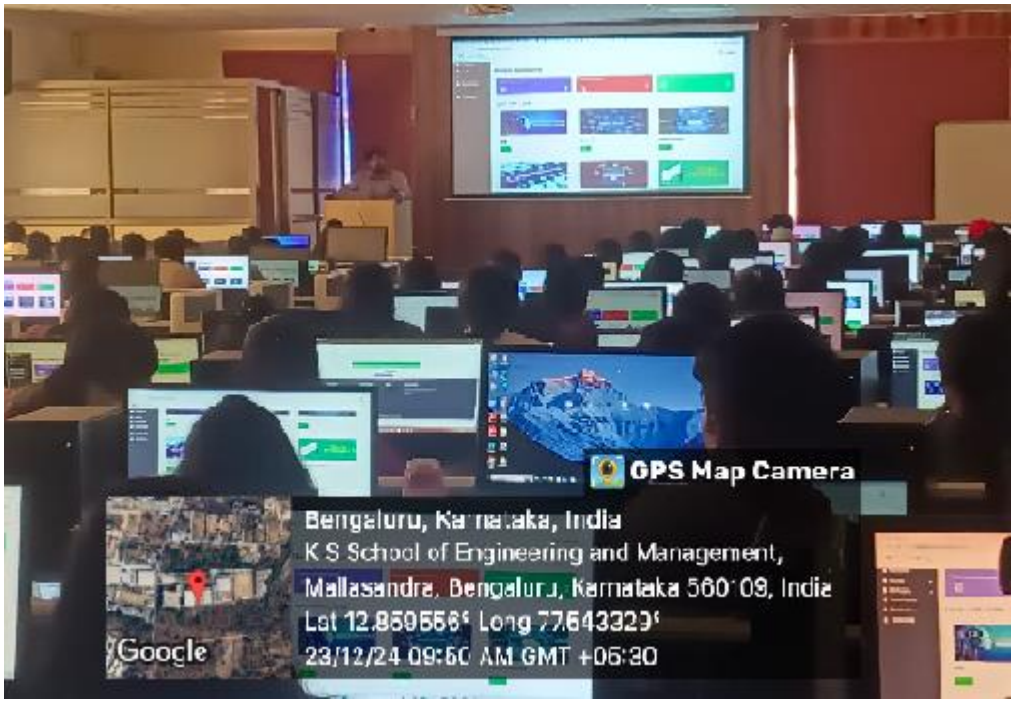
trainer addressed these questions, clarifying doubts and fostering deeper engagement with the topic.

Day 1 (23-12-2024): AIML | VOIS Hands on Training for First Year Students!

The Department of Artificial Intelligence and Data Science in association with Applied Science in partnered with EDUNET, commenced Day 1 of the event with an interactive session on AIML tools.

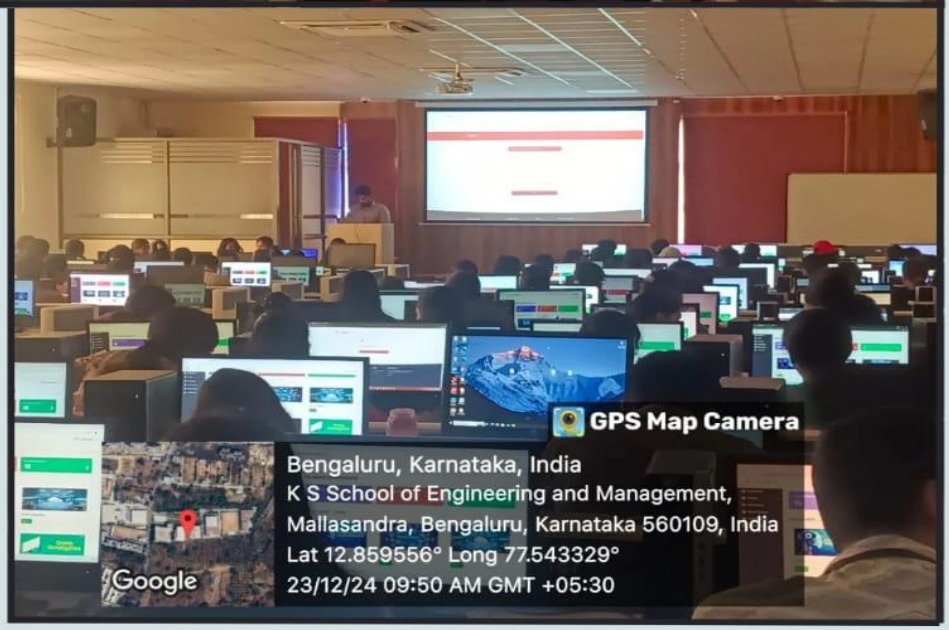
Trainers Mr. Thoufiq Z and Mr. Vishwas U K introduced participants to the fundamentals of AIML tools. The event started by registering with voisfortech.com which is a free website to learn course and enhance the skill. The session instigated with an introduction to Artificial Intelligence (AI) and Machine Learning (ML). The concepts were thoroughly explained, including various types of machine learning algorithms and their real-world applications.

Thanks to Mr. Adithya C, Sr. Business Development Manager, EDUNET FOUNDATION for his invaluable support in organizing the trainers and facilitating the event.



AD Seminar Hall

DAY 1 AI & ML WORKSHOP



DAY 1 AI&ML WORKSHOP

Day 2 (24-12-2024): AIML | VOIS Hands on Training for First Year Students!

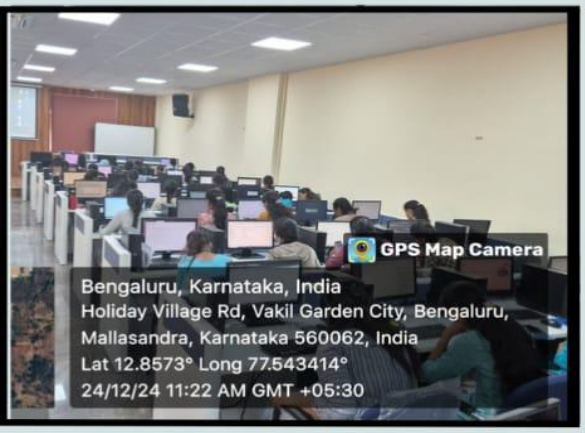
The second day of the AIML | VOIS Hands-on Training focused on exploring advanced topics in Voice AI, Machine Learning (ML), and Cloud Computing. This session aimed to enhance students' understanding of AI&ML concepts, equip them with the necessary skills for data analysis, and introduce the integration of AI with cloud platforms to build scalable solutions.

In this part of the training, students were introduced to Kaggle and Google Colab, two powerful tools for coding, data analysis, and machine learning. The session included hands-on exercises where participants accessed datasets on Kaggle and used Google Colab to write Python code for data analysis, visualization, and model building. The use of these platforms provided students with practical exposure to real-world data science tasks.

The final part of the training explored how AI and ML models can be integrated with cloud computing platforms to build scalable and efficient solutions. Students were introduced to cloud services such as Google Cloud, which allow developers to run ML models at scale and access vast computational resources. This section emphasized the importance of cloud computing in the development and deployment of AI solutions.

CCP Lab, Main Block

DAY 2 AI&ML WORKSHOP



DAY 2 AI&ML WORKSHOP

OUTCOMES THE PROGRAM

During the session, Participants gained practical experience in

1 Exploring AI and ML concepts and applications.

2 Leveraging Google Colab for coding and data analysis.

3 Working with real-world insurance datasets to solve data-driven challenges.

4 Understanding the integration of AI with cloud platforms to build scalable solutions.

This session not only enhanced participants technical skills but also deepened their understanding of how AI and ML are transforming industries like insurance. The students are excited to continue exploring these fields and applying this knowledge to future projects.

Signature of Program Incharge

Signature of Department Head

HOD
Dept. of Artificial Intelligence & Data Scienc
K.S. School of Engineering & Management
Bangalore - 560 109.

Signature of Principal

Dr. K. RAMA NARASIMHA
Principal/Director
K.S. School of Engineering and Managem
Bengaluru - 560 109