

A
REPORT OF
EXPERT TALK ON
“Machine Learning
- The Future of Technology”



HELD ON
11TH SEPTEMBER 2024
ORGANIZED
BY
DEPARTMENT OF MBA
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
#15, Near Vajarahalli, Mallasandra,
Kanakapura Road, Bengaluru-560109



KSSEM

K. S. GROUP OF INSTITUTIONS

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka; Accredited by NAAC

DEPARTMENT OF MBA

EXPERT TALK

on

**MACHINE
LEARNING**

The future of technology

by



Dr. Shridhar G. Domanal

Cloud Architect & Consultant at Accenture, Bengaluru

11 SEPTEMBER, 2024

10:45 AM - 12.30 PM

VENUE: ARYABHATA SEMINARHALL

Prof. ARUNDATHI KL
COORDINATOR

Prof. MANJUNATHA S
HOD-MBA

Dr. K. RAMA NARASIMHA
PRINCIPAL/DIRECTOR

Report of Expert Talk Organized by

Department of MBA on 11-09-2024

Academic Year: 2023-24

TITLE OF THE PROGRAM: Expert Talk on “Machine Learning - The Future of Technology”

BRIEF SUMMARY OF PROGRAM: The Department of MBA, KS School of Engineering and Management organized an Expert Talk on “Machine Learning - The Future of Technology” on 11th September 2024 for 4th semester MBA students in offline mode. The Expert Talk was delivered by a Dr. Shridhar G. Domanal, Cloud Architect & Consultant at Accenture, Bengaluru. The lecture was attended by 40 students.

OBJECTIVES OF THE PROGRAM:

1. To Introduce Fundamental Concepts & Explore Practical Applications of Machine Learning.
2. To Discuss Key Machine Learning Algorithms.
3. To Highlight Future Trends and Opportunities in Machine Learning.
4. To Facilitate an Interactive Learning Experience.
5. To Inspire Further Learning and Research in Machine Learning.

SPEAKER'S DETAILS: Dr. Shridhar G. Domanal is having 10+ years of experience and currently working as a Cloud Architect & Consultant at Accenture, Bengaluru. He completed his B.Tech and M.Tech from VTU in 2009 and 2011 respectively and further received his Ph.D. from National Institute of Technology Karnataka (NITK) Surathkal in 2017. His core interests include cloud & edge computing, micro services, Artificial Intelligence and other open source platforms. He has published many research articles/ papers in peer reviewed journals, transactions and conference proceedings in reputed platforms such as IEEE, Elsevier and Springer. He has given many technical talks at various institutes and venues. During his Ph.D. he worked in CLOUDS Lab from University of Melbourne, Australia.

Prior to joining industries, he was working as a Postdoctoral Research Fellow at University of Surrey, Guildford, UK. He worked on an autonomous cars project titled "Cloud Assisted Real-time Methods for Autonomy" as a joint collaboration project with Jaguar and Land Rover (JLR R&D). His area of work was around cloud/edge connectivity in autonomous cars. Dr. Shridhar has also worked on areas pertaining to automated cloud build and orchestration. Apart from work, he is passionate about traveling, cooking and cycling among other varied interests.

REPORT:

Dr. Shridhar G. Domanal, a Cloud Architect and Consultant at Accenture, Bengaluru, delivered an insightful expert talk on Machine Learning (ML) and its evolving role in shaping the future of technology. His presentation was titled "The Future of Technology", focusing on Artificial Intelligence (AI), Machine Learning (ML), and the Internet of Things (IoT).

Dr. Domanal introduced the audience to Industry 4.0, highlighting several components like Smart Factories, IoT for manufacturing, Big Data Analytics, and Advanced Algorithms. He emphasized how these technologies are changing the landscape of manufacturing and data analysis.

He provided a comparative analysis of technological paradigms, discussing the transition from traditional networking and on-premise data centres to modern cloud computing, IoT, serverless computing, and generative AI. These advancements have redefined how industries approach data processing and infrastructure management.

The core of Dr. Domanal's presentation revolved around Machine Learning (ML). He explained that ML is a subset of AI, focusing on how machines use data and algorithms to learn from experiences and improve their decision-making processes. He also introduced deep learning as an advanced form of ML, showcasing its potential in revolutionizing industries.

Dr. Domanal delved into the emerging trends of generative AI, covering popular models like GPT, BERT, DALL-E, and Wave Net. He explained their applications in text, image, and audio generation, providing real-world examples of how these models are used in industries for content creation, chatbots, and even music generation.

One of the highlights was a case study in which Dr. Domanal discussed using ML modules to predict the position of an asteroid. This example demonstrated how real-time data collection and machine learning algorithms could be employed to solve complex industry problems.

Dr. Domanal concluded by discussing the vast opportunities in the AI/ML field for MBA graduates. He identified potential roles such as AI Business Development Manager, GEN AI Strategy Consultant, Digital Transformation Consultant, and AI Product Manager. His advice to students was to constantly update their skills, comparing career growth to riding a bicycle: "Keep moving forward, or you will fall."

The expert talk by Dr. Shridhar G. Domanal provided a comprehensive overview of how AI and ML are revolutionizing industries and creating new career opportunities. His insights into Industry 4.0 and generative AI were particularly valuable for students and professionals aiming to pursue careers in the rapidly evolving field of AI.

PHOTOGRAPHS:

Audience (GPS enabled):



Welcoming with sapling



Felicitation to the Resource Person



Group Photo of students (Batch: 2022-24) along with Resource Person Dr. Shridhar G. Domanal




OUTCOMES OF THE PROGRAM:

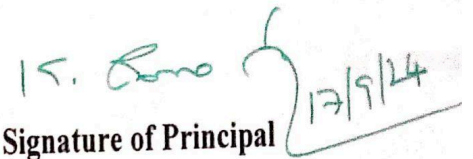
1. Participants gained an Enhanced Understanding of Machine Learning Concepts.
2. Participants were taught about various real-world applications of Machine Learning across different industries, helping them appreciate the practical significance and versatility of ML technologies.
3. Participants gained information about the latest trends and future directions in Machine Learning, equipping them with the knowledge to anticipate and prepare for upcoming advancements in the field.
4. Participants will be familiarized with essential Machine Learning algorithms, which will aid them in understanding how these algorithms contribute to the development of intelligent systems.



Signature of Co-Ordinator



Signature of Department Head



Signature of Principal

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