



**Kammavari Sangham (R) 1952**  
**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**  
[www.kssem.edu.in](http://www.kssem.edu.in)  
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE ▶**

- Event name** : Data Analytics
- Date of Event** : 04-06-24 to 06-06-24
- Venue** : Alpha-Delta Seminar Hall, Dept of AI & DS
- Number of participants** : 66
- Targeted Audience** : IV Semester, Dept of AI & DS

The poster features the logos of K.S. Group of Institutions, KSSEM, and Institution's Innovation Council. The text reads: 'K. S. GROUP OF INSTITUTIONS K. S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE In Association with MEVI TECHNOLOGIES Organizing Workshop on DATA ANALYTICS Dive into Data Analytics!'. It lists the dates (4th-6th June, 2024), time (09:00AM-5:00PM), and location (New Alpha Delta Seminar Hall, B208, B-BLOCK, G-FLOOR). A photo of Mrs Megha BS, Trainer and Developer at Mevi Technologies LLP, is included. At the bottom, it lists Mr. Manjunath T K (Associate Professor & HOD, Dept Of AI & DS), Dr. K Ramanasimha (Principal & Director, KSSEM), and Dr. KVA Balaji (CEO, KSGI).

Department of Artificial Intelligence organized workshop on Data Analytics for IV Semester students. It was conducted by Mevi Technologies LLP which is AICTE and MSME Registered and ISO Certified.

### **Objective :**

This workshop provides comprehensive training in data analytics using Python, covering essential concepts, tools, and techniques necessary for analyzing and interpreting data effectively. Through hands-on exercises and projects, learners will develop proficiency in Python programming, understand the fundamentals of data, and learn how to visualize and analyze real-world datasets. Additionally, the course covers connecting Python with SQL databases, enabling learners to retrieve and manipulate data directly from databases for analysis. By the end of the course, learners will possess the skills and knowledge required to tackle various data analytics tasks, from data preprocessing and visualization to statistical analysis and hypothesis testing, preparing them for careers in data analysis and related fields.

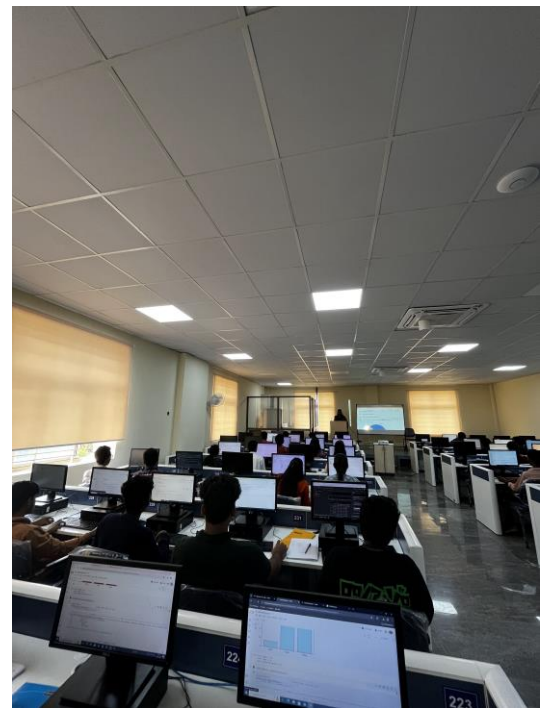
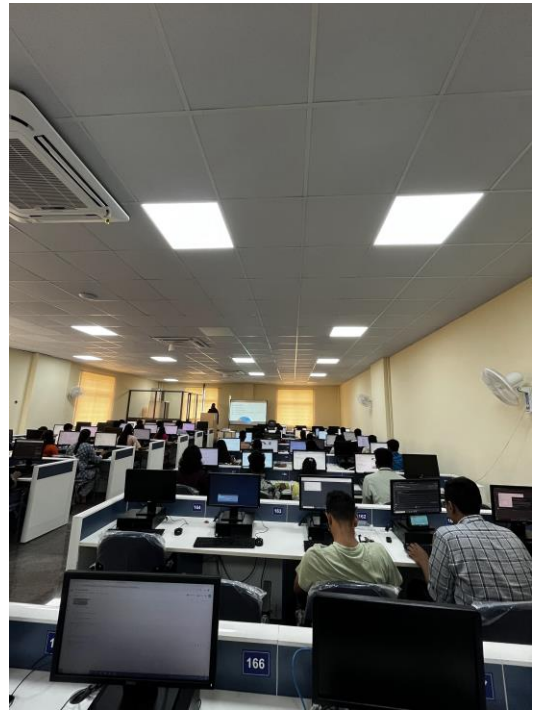
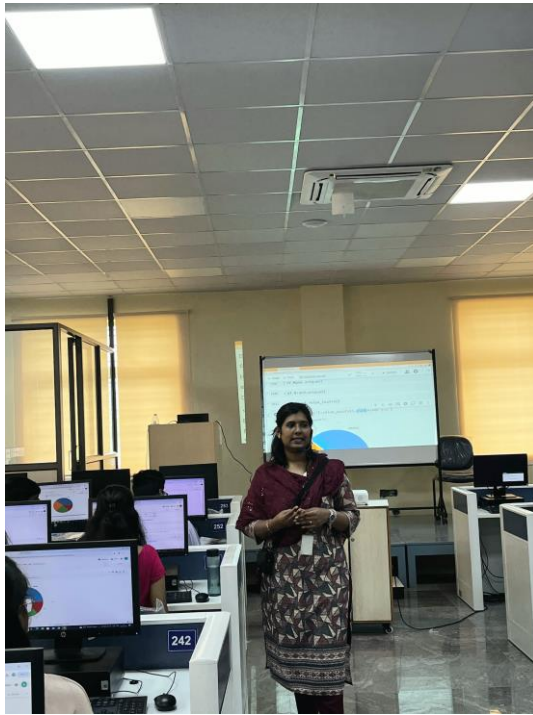
### **Resource Person :**


Megha B S, an MSc graduate in Data Science from Chandigarh University, is a certified Python Trainer. With a strong background in web development using Python, Django Full stack, and C# MVC, she has trained over 40,000 students in Python, Machine Learning, AI, BI, Data Science, and Django. As a dynamic educator, Megha blends theoretical knowledge with practical insights, ensuring her students are well-prepared for the tech industry. Her commitment to staying current with technological trends, coupled with a passion for education, makes her a sought-after mentor. Megha's holistic approach to training and her expertise in Python position her as a key influencer in shaping the next generation of tech professionals.


### **Feedback :**

Feedback from students' is positive.

**Glimpses of Event :**



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

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



**Kammavari Sangham (R) 1952**  
**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**  
[www.kssem.edu.in](http://www.kssem.edu.in)  
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE ▶**

- Event name** : Deep Learning
- Date of Event** : 23.05.24 to 28.05.24
- Venue** : Alpha-Delta Seminar Hall, Dept of AI & DS
- Number of participants** : 63
- Targeted Audience** : VI Semester, Dept of AI & DS
- Objective** : To enhance skills of students

The poster features a background of a human head with neural network connections. It includes logos for KSSEM, K.S. School of Engineering and Management, and the Institution's Innovation Council. The MEVI Technologies logo is prominently displayed. A portrait of Mrs. Megha BS is shown in the bottom right corner.

**K.S. GROUP OF INSTITUTIONS**  
**K. S. SCHOOL OF ENGINEERING AND MANAGEMENT**  
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

In association with  
**MEVI TECHNOLOGIES**

Organizing Workshop on  
**DEEP LEARNING USING PYTHON**

**9.00 AM to 4.00 PM**  
**23<sup>rd</sup> to 28<sup>th</sup> May, 2024**

**New Alpha Delta Seminar Hall**  
**B208 , B-BLOCK, G-FLOOR**

**Mrs Megha BS**  
Trainer and Developer  
Mevi Technologie LLP

**Mr.Manjunath T K**  
Associate Prof. & HOD  
Dept. of AI&DS

**Dr.K Ramanarasimha**  
Principal & Director  
KSSEM

**Dr. KVA Balaji**  
CEO,KSGI

Department of Artificial Intelligence organized workshop on Deep Learning for VI Semester students. It was conducted by Mevi Technologies LLP which is AICTE and MSME Registered and ISO Certified.

### **Objective :**

Understand the fundamentals of deep learning, neural networks, and NLP. Learn how to preprocess and prepare both image and text data for deep learning tasks. Explore popular deep learning architectures such as Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), and Transformers. Gain proficiency in using deep learning frameworks such as Tensor Flow and Keras for both image and text data. Implement a variety of deep learning applications including image classification, object detection, sentiment analysis, and text generation. Develop skills in model evaluation, tuning, and deployment for both image and text data.

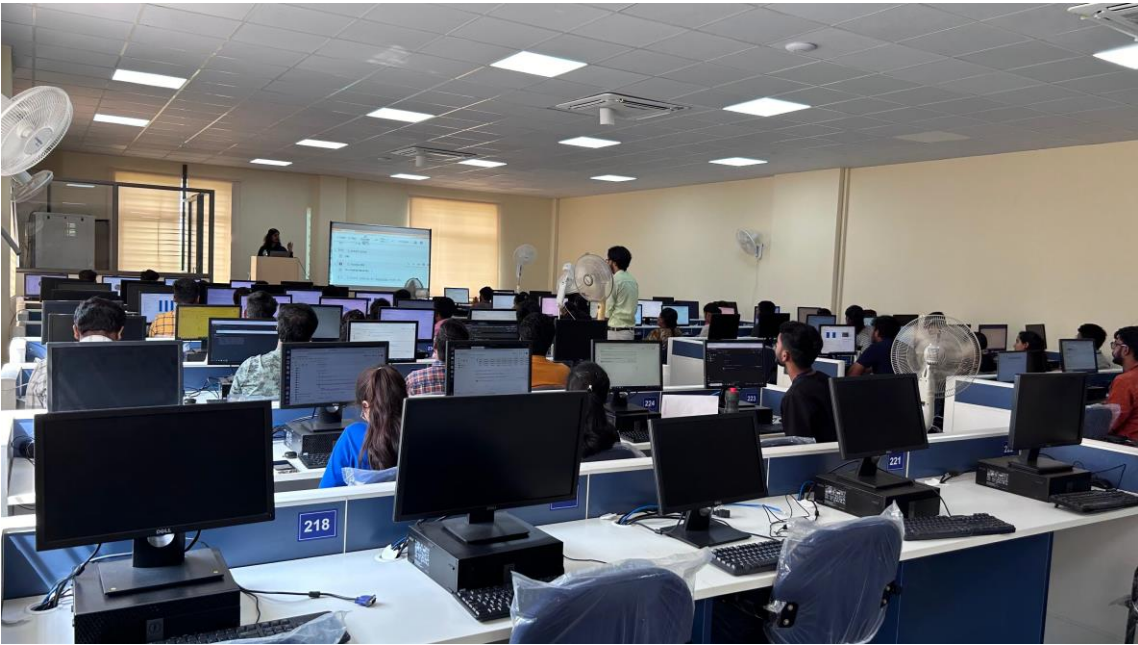
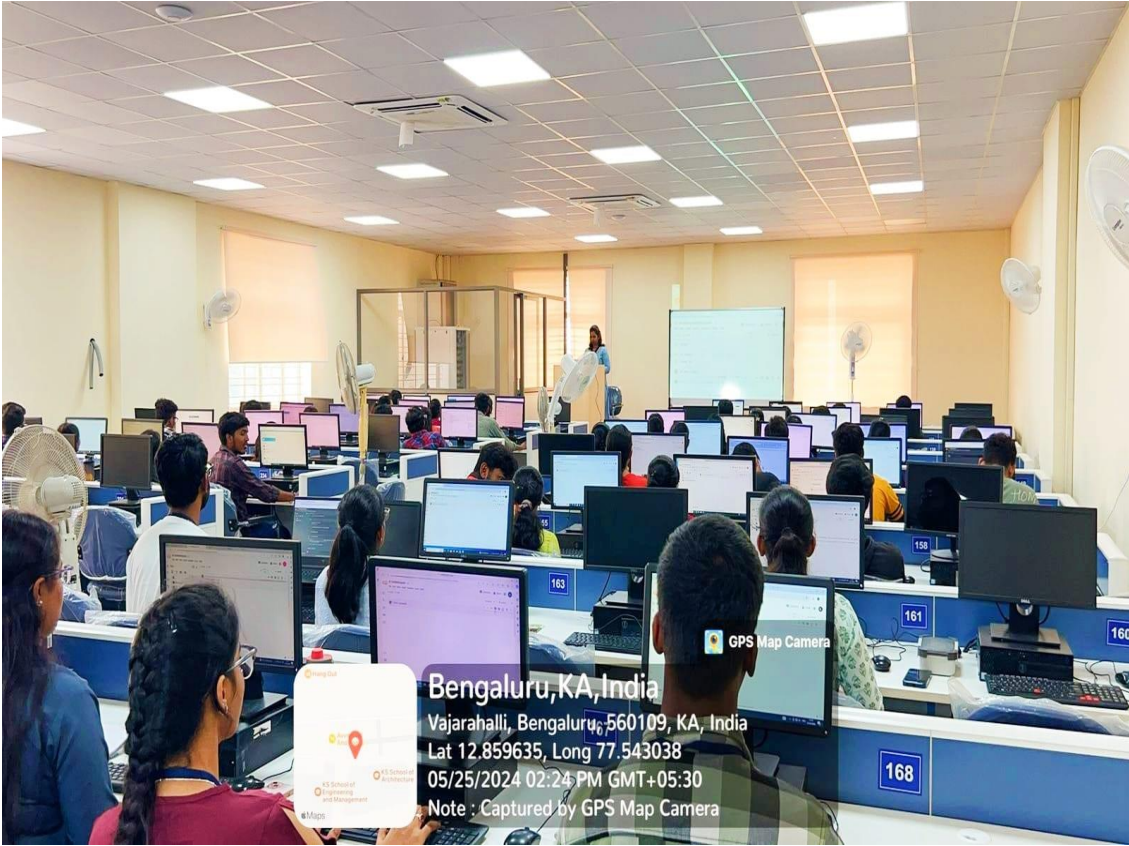
### **Resource Person :**

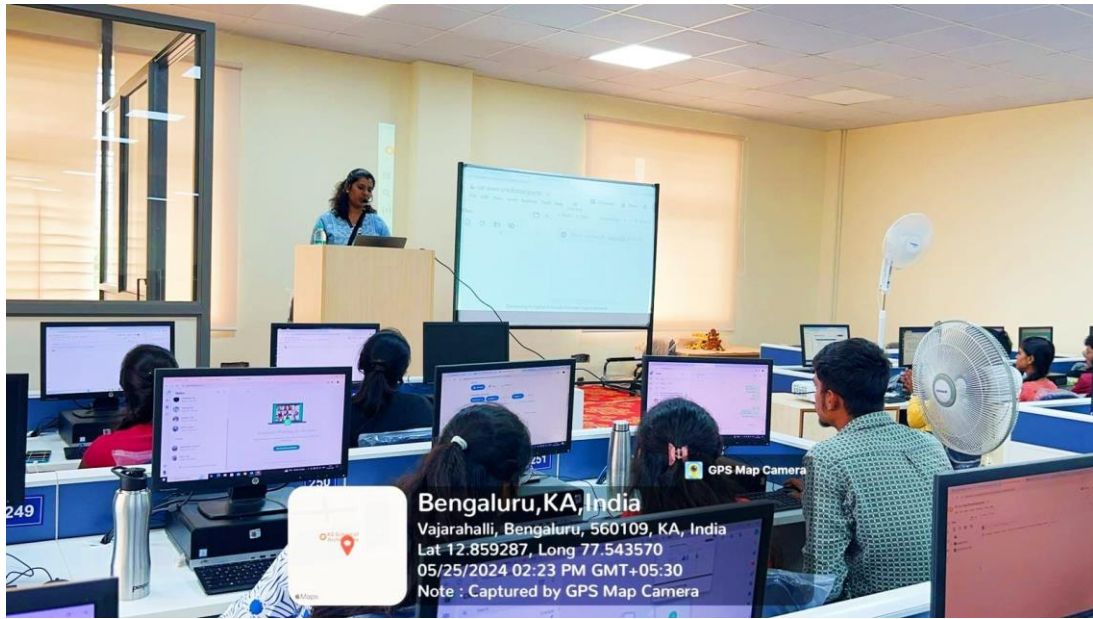
Megha B S, an MSc graduate in Data Science from Chandigarh University, is a certified Python Trainer. With a strong background in web development using Python, Django Full stack, and C# MVC, she has trained over 40,000 students in Python, Machine Learning, AI, BI, Data Science, and Django. As a dynamic educator, Megha blends theoretical knowledge with practical insights, ensuring her students are well-prepared for the tech industry. Her commitment to staying current with technological trends, coupled with a passion for education, makes her a sought-after mentor. Megha's holistic approach to training and her expertise in Python position her as a key influencer in shaping the next generation of tech professionals.


### **Feedback :**

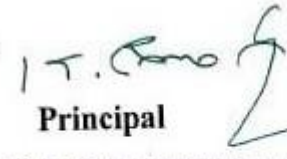
Feedback from students' is positive.

# Glimpses of Event :





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

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



**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Technical Session on  
“Artificial Intelligence, its Aspects and Applications”

Kammavari Sangham (R) 1952, K. S. Group of Institutions  
**K. S. SCHOOL OF ENGINEERING AND MANAGEMENT**  
No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109, ☎ +919900710055  
Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NAAC

**Technical Session on  
ARTIFICIAL INTELLIGENCE,  
IT'S ASPECTS & APPLICATIONS**

**Infosys  
Springboard**

**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)

**Organized By Dept. of CSE, KSSEM  
in association with Infosys**

Scan QR Code  
to Register

**JAN 23 - JAN 25  
2024**

**2PM - 3:30PM**

**KSSEM**

**Dr.K Venkata Rao**  
Prof and Head,  
Dept. of CSE,  
KSSEM

**Dr.K Ramanarasimha**  
Principal & Director  
KSSEM

**Dr.KVA Balaji**  
CEO,  
KSGI

The Department of Computer Science and Engineering, KSSEM has organized Student Enablement Program for 3 days titled Technical Session on “Artificial Intelligence, its Aspects and Applications” in association with Infosys from 23<sup>rd</sup> January 2024 to 25<sup>th</sup> January 2024 from 2:00 PM to 3:00 PM, for the students of 3<sup>rd</sup> and 5<sup>th</sup> Semester, CSE and 3<sup>rd</sup> semester students of CS & BS.





**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.ksem.edu.in](http://www.ksem.edu.in)

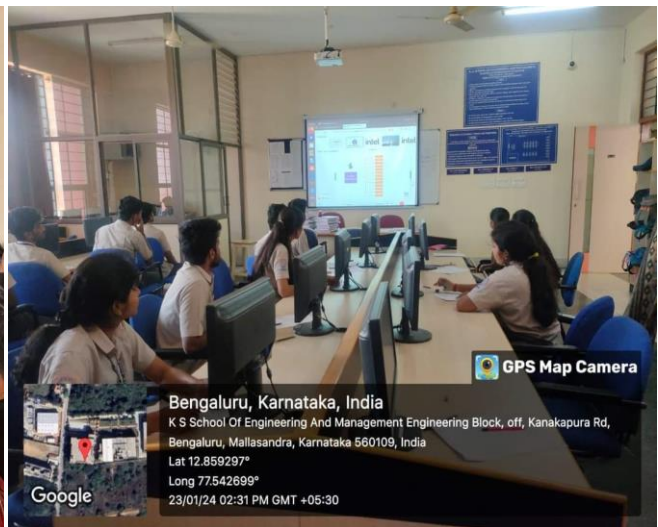
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

The event was held online through Infosys Springboard platform.

The objective of the workshop is to upskill the students of educational institutions on Artificial Intelligence, its applications and enable them to take up relevant certification to accredit their learning. This will benefit student community by making them industry ready.

### Day 1: Introduction to Artificial Intelligence

This session handled by the resource person Ms. Girija T R, Infosys and she briefed on demystify Intelligent Systems, explore new class of business problems that need “Intelligent Solutions”. This session also explained technical overview on AI and made the students realize the importance of AI in Business. It also helped the students to know the different AI platforms.



### Day 2: Introduction to Natural Language Processing

The resource person for Day 2 was Ms. Pruthvi Adishesha, Infosys. The session explained, what natural language processing is and appreciate how it is changing our lives today. Students were given insights on various techniques used in the field of NLP and also articulated the business potential of using NLP. It also gave the comparison of different software platforms/tools/frameworks used to build NLP solutions.



**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



### Day 3: Introduction to Deep Learning

Mr. Kannaswamy was the speaker for Day 3. He explained: What is Deep Learning? Why it is used? and How it is used? Also, the session gave insights on the impact of Deep Learning in today's world.





**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Each day was followed by an assessment for certification. These tests gauged participants' knowledge across the topics, providing valuable insights into areas of strength and areas that might require additional focus. Students should take up a final video proctored certification that is a value addition to their resumes.

\*\*\*\*\*

  
Workshop Coordinator

  
Head of the Department  
HOD  
Department of Computer Science Engineering  
K.S School of Engineering & Management  
Bangalore-560109

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



**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Workshop on  
“Microsoft Azure – Fundamentals”

**K.S Group of Institutions (R) 1952**  
**K.S SCHOOL OF ENGINEERING & MANAGEMENT**  
No. 33, Mallasandra, Off. Kamalaguru Road, Bengaluru-560109  
Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NAAC

**WORKSHOP ON**  
**MICROSOFT AZURE- FUNDAMENTALS**  
**IN ASSOCIATION WITH MICROSOFT**

**DAY 1**

- Cloud computing
- Benefits of using cloud services
- Cloud service types
- Core architectural components of Azure

**DAY 2**

- Azure compute and networking services
- Azure storage services
- Azure identity, access, and security
- Cost management in Azure

**DAY 3**

- Features and tools in Azure for governance and compliance
- Features and tools for managing and deploying Azure resources
- Monitoring tools in Azure

**DAY 4**

- Revision and Practice
- Final Assessment and Feedback

**25TH, 26TH NOVEMBER & 2ND, 3RD DECEMBER**  
**2023**

**ORGANIZED BY DEPT. OF CSE**

**Dr. K. Venkata Rao**  
PROF & HOD  
Dept. of CSE

**Dr. K Ramanarasimha**  
Principal & Director  
KSSEM

**Dr. KVA Balaji**  
CEO, HSDI



**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)

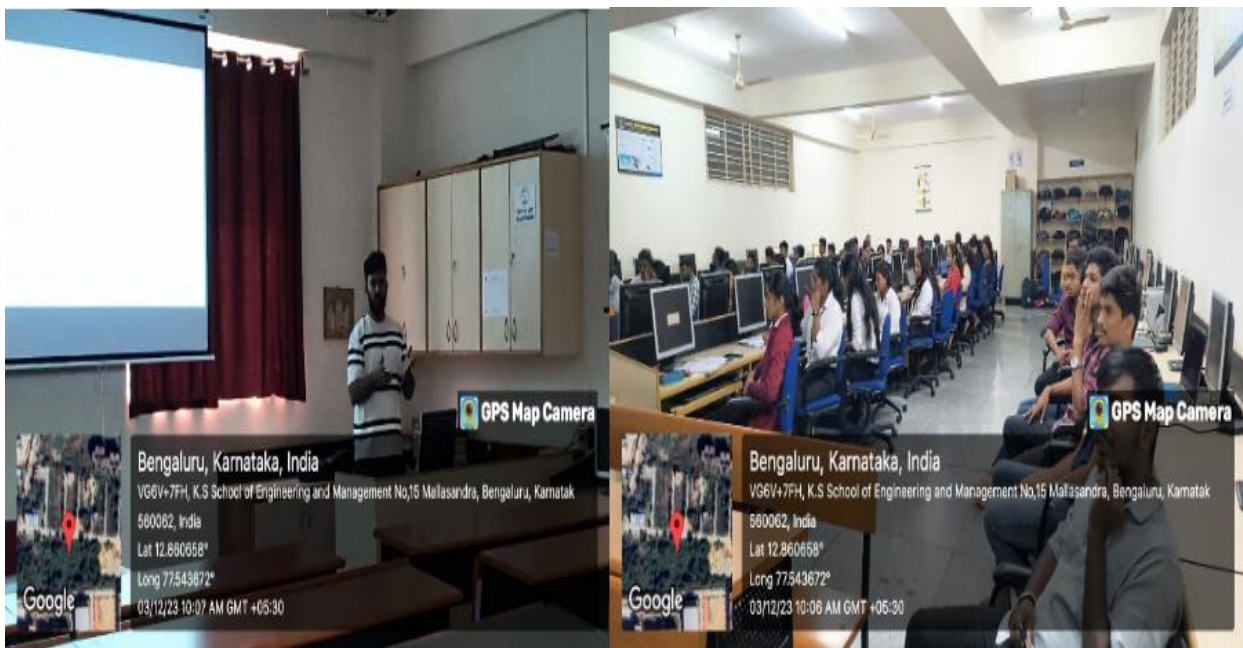
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

The Department of Computer Science and Engineering, KSSEM in association with Microsoft has organized 4-days Workshop on 25th, 26th November, 2nd and 3rd December 2023.

The workshop was inaugurated by Dr. K. RamaNarsimha, Principal and Director of KSSEM, Dr. K Venkata Rao, Professor and Head of CSE, and Faculty of CSE Department, KSSEM. The Resource persons for the workshop were, Mr. Shreyas Ramakrishna, Senior Industry Trainer, IN-BIOT and Mr. Pulastya Pandey, Senior Industry Trainer, IN-BIOT.

### **Day 1: Introduction to Cloud and its types and services**

On the inaugural day of the intensive 4-day Microsoft Azure workshop, participants delved into the fundamental concepts of cloud computing, laying a robust foundation for the subsequent learning journey. The session commenced with a comprehensive exploration of the overarching advantages of cloud computing, elucidating its transformative impact on modern businesses. The instructors provided insightful perspectives on the diverse types of cloud services, encompassing Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), enabling participants to grasp the spectrum of cloud-based solutions available in the Microsoft Azure ecosystem. The instructors navigated through Azure's architecture, emphasizing its role in facilitating seamless integration, high availability, and optimal performance. The practical aspects of these concepts were reinforced through hands-on exercises, fostering a dynamic and engaging learning environment.





**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

The session successfully set the stage for the subsequent days of the workshop, equipping participants with a solid understanding of cloud fundamentals and Azure's core architecture. Overall, the first day provided an insightful and comprehensive initiation into the world of Microsoft Azure, instilling a sense of anticipation for the forthcoming days of immersive learning and practical application.

### **Day 2: Mastering Azure Pillars: A Deep Dive into Compute, Networking, Storage, Identity, Security, and Cost Management**

The second day of the Microsoft Azure workshop proved to be an enriching continuation of our exploration into the Azure ecosystem, focusing on key pillars of cloud computing. The day commenced with an in-depth study of Azure Compute services, elucidating the deployment and management of virtual machines, containers, and serverless computing resources. The workshop seamlessly transitioned into the realm of Azure Networking Services, where participants acquired knowledge about creating and managing virtual networks, implementing load balancing, and securing network communication. The intricacies of Azure's networking capabilities were demystified, providing a solid foundation for constructing robust and secure cloud architectures. The latter half of the day was dedicated to understanding Azure Identity, Access, and Security features. Participants delved into the implementation of Azure Active Directory, configuring identity solutions, and enforcing security measures to safeguard cloud resources. This comprehensive overview equipped participants with the tools necessary to ensure the integrity and confidentiality of data within Azure. The day concluded with a strategic exploration of Azure Cost Management, emphasizing the importance of optimizing resources and monitoring usage to manage costs effectively. Understanding the financial aspects of cloud services became integral for participants, ensuring they could strike a balance between resource allocation and budget constraints. The combination of theoretical insights and practical applications set a strong precedent for the subsequent days, propelling participants further into the intricacies of Microsoft Azure.



**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



### **Day 3: Governance, Deployment, and Management Tools for Cloud Excellence**

The third day of our Microsoft Azure workshop unfolded with a comprehensive exploration of governance and compliance features, as well as tools integral to maintaining regulatory adherence within the Azure cloud environment. The importance of aligning Azure resources with regulatory frameworks and internal policies was underscored, emphasizing the significance of a secure and compliant cloud infrastructure. Following this, the focus shifted to features and tools for managing and deploying Azure resources effectively. The participants were introduced to Azure Resource Manager (ARM) templates, enabling them to automate the deployment of resources and consistently enforce configurations. Practical exercises provided hands-on experience in creating, customizing, and deploying templates, empowering participants to implement infrastructure as code principles and enhance resource deployment efficiency. The latter part of the day was dedicated to exploring various management tools available within the Azure ecosystem. Participants gained proficiency in tools like Azure Monitor for tracking performance metrics & Azure Log Analytics for deep insights into operational data. In summary, day three of the workshop focused on empowering participants with the knowledge and skills to establish effective governance and compliance measures within Azure, automate resource deployment through advanced tools, and leverage management tools for monitoring, analysis, and optimization. The day provided a strategic blend of theoretical



**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

understanding and practical application, equipping participants to navigate the complexities of Azure governance and resource management with confidence.



#### **Day 4: Revisiting Key Concepts and Sample Tests to check our understanding**

The fourth and final day of our Microsoft Azure workshop marked a culmination of our intensive learning journey, focusing on reinforcing key concepts and evaluating our preparedness for the AZ-900 certification. The day commenced with thorough revision sessions, allowing participants to revisit fundamental Azure concepts, methodologies, and best practices covered in the preceding days. Instructors provided clarifications, addressed queries, and ensured that participants had a solid grasp of the essential elements required for success in the AZ-900 certification exam. To assess and fortify our understanding, the day featured sample tests designed to simulate the conditions of the actual certification exam. These tests gauged participants' knowledge across a spectrum of Azure topics, providing valuable insights into areas of strength and areas that might require additional focus. The day fostered a collaborative learning environment, allowing participants to engage in discussions, share insights, and seek clarification on any lingering doubts. Instructors actively facilitated the review process, ensuring that each participant felt adequately prepared and equipped





**KSSEM**  
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

**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

[www.kssem.edu.in](http://www.kssem.edu.in)


**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

for success in the AZ-900 certification. In essence, day four encapsulated a holistic approach to exam preparation, combining targeted revision, interactive sessions, and realistic sample tests to assess and enhance participants' readiness for the AZ-900 certification.



  
Workshop Coordinator

  
Head of the Department  
HOD  
Department of Computer Science Engineering  
K.S School of Engineering & Management  
Bangalore-560109

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