



KSIT
K S INSTITUTE OF TECHNOLOGY

KAMMAVARI SANGHAM(R) - 1952 KS GROUP OF INSTITUTIONS

K. S. INSTITUTE OF TECHNOLOGY

No.14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109, 9900710055
Autonomous Institution under VTU, Belagavi & Approved by AICTE, New Delhi,
Accredited by NBA(EC&CS) and NAAC A+

Pinnacle

Reaching New Heights in Knowledge and Innovation

Pinnacle stands as a reflection of aspiration, achievement, and advancement. It captures the highest points of creativity, innovation, and scholarly pursuit. This first issue and volume celebrates the dedication, talent, hard work and enthusiasm of the department of MCA.



Department of MCA
Vol. 01, Issue 01

In every curious question, every shared insight, and every step beyond the expected—academic excellence takes root. "Pinnacle" celebrates the spirit of learning that goes further, thinks deeper, and grows endlessly. It is a reflection of our collective journey—towards knowledge without limits.

Growing minds. Expanding visions. Defining the future.

At the heart of academic pursuit lies a quiet transformation—where learning shapes thought, and thought shapes tomorrow.



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VISION

To impart quality technical education with ethical values, employable skills and research to achieve excellence.



MISSION

- To attract and retain highly qualified, experienced & committed faculty.
- To create relevant infrastructure.
- Network with industry & premier institutions to encourage emergence of new ideas by providing research & development facilities to strive for academic excellence.
- To inculcate the professional & ethical values among young students with employable skills & knowledge acquired to transform the society”.

The Management



Sri. R. Leela Shankar Rao
HON. SECRETARY



Sri. R. Rajagopal Naidu
PRESIDENT



Sri. T. Neerajakshulu
TREASURER

We are pleased to acknowledge the Department of MCA for this commendable initiative. The semi-annual newsletter named "Pinnacle" Vol. 01, Issue 01 serves not only as a record of milestones but also as a celebration of the dedication, creativity, and hard work of our faculty and students alike. It reflects the vibrant spirit and collective efforts that drive the department forward.

We are delighted to witness the release of the 1st volume and 1st issue of "Pinnacle" — a testament to the consistency, passion, and commitment of the editorial team and all contributors. We congratulate and appreciate their efforts in putting together this meaningful compilation.

Message by the Principal and Director



Dr. Dilip Kumar K
PRINCIPAL AND DIRECTOR

It gives me immense pleasure to witness the release of the 1st volume and 1st issue of “Pinnacle”, the departmental newsletter, “Pinnacle”. Such initiatives reflect the vibrant academic culture and the collaborative spirit that thrive within our campus.

At KSIT, we believe that true education extends beyond textbooks. It lies in cultivating curiosity, fostering innovation, and nurturing a sense of responsibility in our students.

I am proud to note that the Department of MCA, has shown remarkable enthusiasm. This newsletter is a fine reflection of their creativity and commitment. I congratulate the editorial team for their sincere efforts in compiling and presenting their 1st vol. and 1st issue of this semi-annual newsletter.

Message by the HOD, Dept. of MCA



It is with great pride and enthusiasm that I present the first 1st volume and issue of our departmental semi-annual newsletter, "Pinnacle". The newsletter serves as a valuable platform to showcase the achievements, innovations, and vibrant activities of the Department of Master of Computer Applications at KSIT.

Our department strives to provide our students with the tools and opportunities necessary to become not just competent professionals, but also responsible individuals ready to meet the challenges of the ever-evolving tech world.

"Pinnacle" is a reflection of the continuous efforts taken to promote experiential learning and nurture talent beyond the classroom.

I extend my heartfelt appreciation to the editorial team and students who contributed to this publication.

Wishing everyone continued success and meaningful growth.

Warm regards,

Dr. Sneha Girish

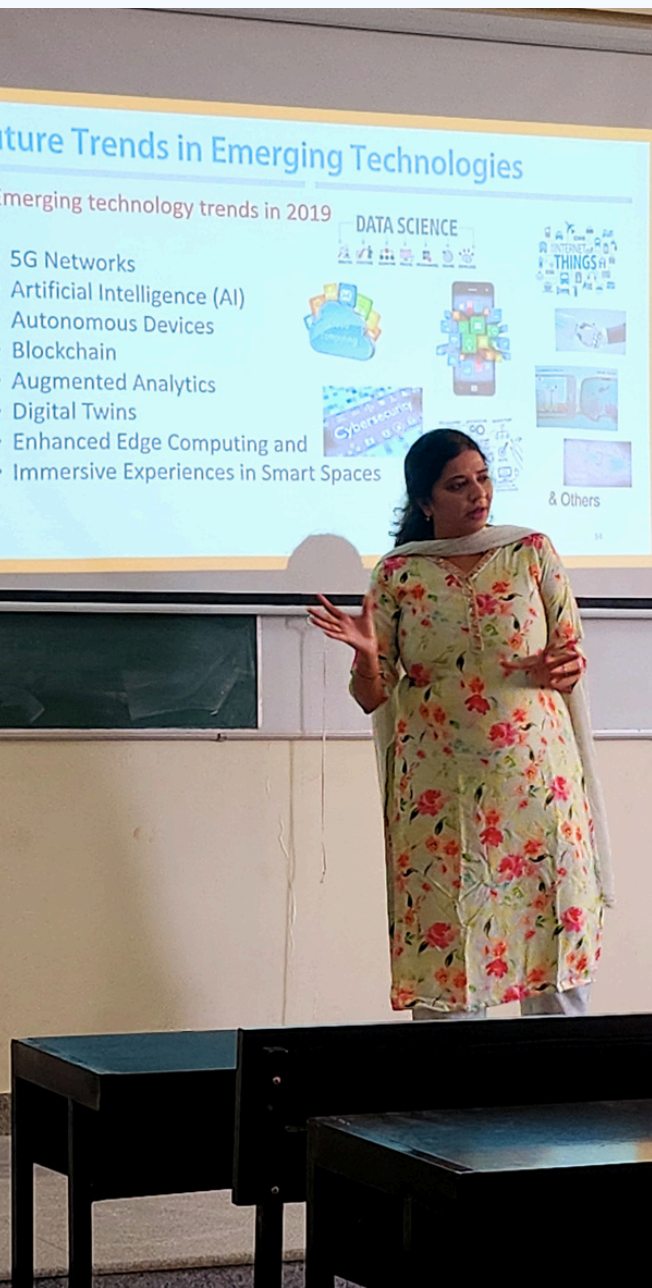
Head of the Department, MCA

KSIT

EVENTS

The Department takes pride in organizing a range of events throughout the academic year that foster intellectual growth, technical excellence, and holistic development among students. These events serve as platforms for students to apply their knowledge, express creativity, and engage in collaborative learning.

TECHNICAL TALK - HOW AI SHAPES THE MODERN WORLD



The technical talk titled "How AI Shapes the Modern World" given by Ms Poornima highlighted the profound impact of artificial intelligence (AI) on various sectors of modern society. She emphasized how AI technologies are transforming industries, economies, and everyday life. The speaker, an expert in AI and machine learning, delved into key advancements, ethical considerations, and future trends.

Key Topics covered:

1. Understanding AI and Its Core Technologies:
2. AI in Healthcare:
3. AI in Business and Consumer Applications



M/S MICROSOFT - AZURE AI & COPILOT DAY

On 25th January 2025, students and faculty from K. S. Institute of Technology had the opportunity to visit M/s Microsoft as part of an educational industry tour. The visit aimed to provide insights into cutting-edge technologies and gain exposure to real-world applications of artificial intelligence and cloud computing. The highlight of the visit was an engaging talk delivered by Microsoft Valued Professionals (Mrs Poornima and Mr. Pruthvi S) on Azure AI and Copilot. During the visit, attendees were given a brief introduction to Microsoft's mission, core values, and its pivotal role in shaping the digital transformation of industries worldwide.

The talk began with an overview of Azure AI, Microsoft's comprehensive suite of artificial intelligence tools and services designed for developers and businesses. Key highlights included: Azure Cognitive Services, Azure Machine Learning and Real-World Applications.

The second part of the talk focused on Microsoft Copilot, an AI-powered assistant embedded into various Microsoft products like Word, Excel, and Teams.



WORKSHOP ON ADVANCED PYTHON & NOSQL- BUILDING THE FUTURE OF DATA



INTRODUCTION

The two-day workshop on Advanced Python and NO SQL aimed to provide an in-depth understanding of advanced Python programming techniques and the integration of MongoDB, a NoSQL database, for modern data storage and management. The workshop focused on enhancing student's skills in handling large datasets, implementing complex algorithms, and effectively using MongoDB for real-world applications.

DAY - 1

Day 1: Advanced Python Techniques
The first day of the workshop was dedicated to advanced Python programming concepts. It was designed for students who already had a basic foundation in Python and aimed to dive deeper into more complex topics.



DAY - 2

Day 2: MongoDB and Python Integration
The second day focused on MongoDB, a popular NoSQL database, and how Python can be used to interact with it for managing unstructured or semi-structured data.



PUBLICATION BY FACULTY - 2025

**Dr. Sneha Girish,
Professor and HOD,
MCA**

Paper title:

A SURVEY ON MULTILINGUAL
TRANSLATOR

Name of Journal:

BULLETIN MONUMENTAL
JOURNAL

Citation

Issue No., and Volume;

BMJ IN VOLUME 26, ISSUE 2.

**Dr. Sneha Girish,
Professor and HOD,
MCA**

Paper Title:

Quantum-Enhanced Stock
Market Prediction:
Integrating AI, Sentiment
Analysis, and Multimodal
Data Fusion

**Mrs. Priyanka.M,
Asst. Prof, MCA**

Paper Title:

Ethical Hacking and
Cybersecurity Policies:
Exploring Security Issues
and Ethical Hacking
Methods in India.
(Presented at the ICRIET
2025)

TOPPERS LIST - FIRST SEMESTER

SI.NO	USN	NAME
1	1KS24MC011	INCHARA H P
2	1KS24MC019	RANI L
3	1KS24MC026	TANUSHREE M
4	1KS24MC024	SHARATH D N
5	1KS24MC017	RAKSHITHA H S
6	1KS24MC008	CHINMAYEE B L
7	1KS24MC021	SAMMYA R SHETTY
8	1KS24MC005	ARIMALLA SHRAVAN
9	1KS24MC031	YOGESH J
10	1KS24MC010	GAGAN BABU

GALLERY



LEARNING IS A JOURNEY THAT STRETCHES FAR BEYOND
THE PAGES OF TEXTBOOKS AND THE WALLS OF
CLASSROOMS.

IT UNFOLDS IN QUIET PERSISTENCE, IN SHARED
DISCOVERIES, AND IN THE PURSUIT OF EXCELLENCE THAT
DEFINES THE ACADEMIC SPIRIT.

Staff Coordinators

Mrs. Priyanka. M

Mrs. Kavitha

Student Coordinators

Mr. Shravan