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KLS GIT's DEPARTMENT OF MCA NEWSLETTER



Estd.1979

ePatrika

January – June 2025

Volume 5 / Issue 1

Vision: The Department of Master of Computer Applications shall strive to stand out as par excellence in generating and grooming, technically competent and skilled intellectual professionals to meet the challenges of the modern computing industry.

Mission: To train the graduates to become IT professionals having strong fundamental knowledge in the field of computer application with ethical values to meet increasing global challenges of ever evolving technologies.



From the HoD's Desk

Dear Sir/Madam,

Wish all the reader a very happy and a prosperous New Year. I am pleased to present the January to June 2025 issue of 'ePatrika', the biannual magazine of the MCA Department. This edition highlights outstanding academic achievements, events at MCA department, faculty achievements and placement data.

May this issue inspire continued excellence in the semesters to come. Congratulations to the editorial team and contributors for their commitment and excellence.

May this issue inspire more collaboration, learning, and achievement in the semesters ahead.

Dr Jayashri B. Madalgi

CONTENTS

- Academic Excellence
- Awards/Recognitions
- Events@MCA
- Faculty Accomplishments
- Placements@MCA
- Student's Corner

ACADEMIC EXCELLENCE

MCA Toppers of the Graduating Batch 2024-2025



Mr Saiprakash Pednekar

USN: 2GI22MC081

CGPA: 9.39



Mr Prashant Jatrathi

USN: 2GI22MC067

CGPA: 9.05



Ms Akshata Bhadti

USN: 2GI22MC010

CGPA: 8.91

AWARDS/RECOGNITIONS

Student Mr Sriraj Yadav secured 1st place in the Photography competition.



Four students of the Master of Computer Applications (MCA) department viz. **Sriraj Yadav, Sugandh Revankar, Praveen Bhusaraddi, Vishnu Sangamannavar** and **Vinayak Ganiger** showcased their talent at **Insignia'25**, a National Level Techno-Cultural Fest held at Shri Dharmasthala Manjunatheshwara College of Engineering and Technology (SDMCET), Dharwad from 16 and 17 May 2025.

These five students enthusiastically participated in various events including Photography, Sketching, Hack, and Hunt.

Mr Sriraj Yadav secured 1st place in the Photography competition.

EVENTS@MCA

Freshers' Welcome and Orientation Programme at Department of MCA



The Department of MCA extended a warm welcome to its incoming batch (2025) with an engaging orientation held on 17 January 2025. Highlights of the day included an inspiring address by alumnus **Mr Manjunath Nandi**, Architect Team Lead at Cognizant, along with informative sessions on Outcome-Based Education (OBE), placements, internships, and certification opportunities. Students also participated in lively ACA activities that encouraged creativity and built a sense of community,

The event concluded with students feeling inspired and ready to begin their academic journey.

EVENTS@MCA

Six Days STTP on 'Spring Boot Framework- Hands-on with Micro services Based Spring Boot Applications'



The Department of MCA conducted a transformative 6-Day Short Term Training Programme (STTP) for students of the 1st and 3rd semesters, designed to enhance their skills and provide practical exposure to advanced topics in the Java domain, including Spring and Spring Boot frameworks. We were privileged to host **Mr Manjunath Nandi**, Technical Architect and Team Lead at Cognizant, Bangalore, as the resource person for the program. 25 enthusiastic MCA students participated, gaining hands-on experience with industry-relevant tools and technologies in the Java ecosystem, particularly focusing on the Spring Boot framework.

The workshop was coordinated by **Mr P. V. Mitragotri** and **Ms Shivani Patankar** with the support of HoD **Dr Jayashri B. Madalgi**.

EVENTS@MCA

One Day Workshop on 'Practical Approach to Basics of Computer Networking'



The Department of MCA at KLS Gogte Institute of Technology, Belagavi, Karnataka, India, successfully hosted a one-day workshop on 24 March 2025 for the first-semester MCA students, focusing on the practical aspects of computer networking. The session was designed to provide students with hands-on experience and a solid foundational understanding of networking concepts.

We were privileged to have a team of experienced resource persons from the KLS GIT Computer Center: **Mr Venkatesh Patil**, **Mr Shekhar Katamble**, **Mr Rajendra Deshpande** and **Mr Rajesh Shrikhande**. Their expertise and practical demonstrations greatly enhanced the learning experience.

The event was coordinated by **Mr Pavan V. Mitragotri** and **Mr Nilesh . N. Anvekar** with the support of HoD **Dr Jayashri B. Madalgi**.

Workshop on 'Real Time Data Pipeline'



The Department of MCA at KLS Gogte Institute of Technology, Belagavi, organised an enriching two-day hands-on workshop titled 'Building a Real-time Data Pipeline: From REST API to Analytics using Python, Kafka, Spark & ClickHouse' on 13 and 14 June 2025. The session was conducted in offline mode at the Big Data Laboratory, DS-12. The resource person, **Mr Mallanagouda Patil**, who serves as a Data Architect and Senior Staff Engineer at Netskope Software India Private Limited, Bengaluru, engaged participants with real-world applications and deep technical insights. Key topics covered included:

- ◆ Ingestion Layer using Python Flask
- ◆ Real-time Data Streaming with Kafka
- ◆ ETL processes using Apache Spark
- ◆ Efficient data storage using ClickHouse
- ◆ Practical project ideas relevant to current industry needs.

The workshop, coordinated by **Prof. Mrutyunjaya Emmi** under the leadership of HoD **Dr J. B. Madalgi**

EVENTS@MCA

An expert talk on 'Professional Communication and Etiquettes'

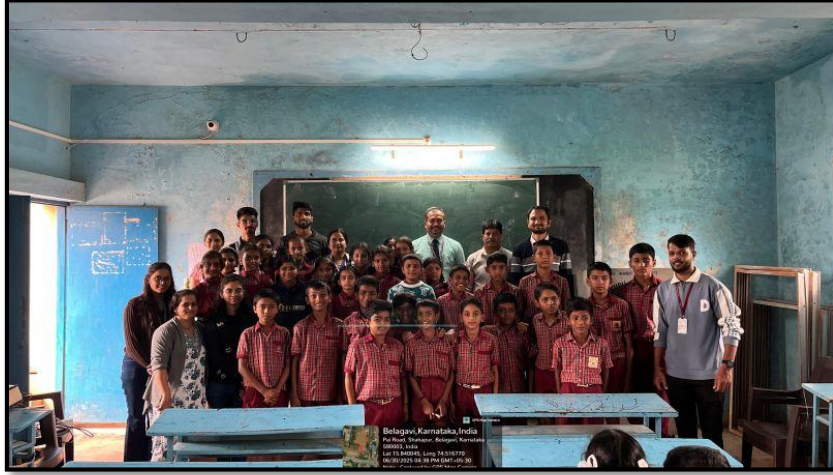


An expert talk on '**Professional Communication and Etiquettes**' was conducted on 26 June 2025 at Sir M. V. Hall, KLS GIT for the second-semester MCA at KLS GIT students.

The session was delivered by **Ms Sandhya Sherigar**, freelance corporate trainer and partner at Ajanta Cafe. She covered key concepts like proxemics, kinesics, paralinguistics, and chronemics with real-life examples and interactive activities.

The event was coordinated by **Prof. Sheetal Bandekar** from the MCA department with the support of HoD **Dr J. B. Madalgi**

MCA Department Outreach Program



The Department of MCA under the banner of **ACA (Association of Computer Applications)** proudly conducted an impactful outreach program titled '**Outreach for Digital Literacy: Computer Awareness Drive**' on 30 June 2025 at **Adarsh Marathi Vidya Mandir, Nath Pai Circle, Belagavi**.

This initiative aimed to empower young minds from 6th and 7th standard with essential computer knowledge and digital awareness.

Key Highlights of the Session:

- ◆ Introduction to basic computer parts and their functions
- ◆ Overview of operating systems and common software applications
- ◆ Tips on safe and responsible internet use
- ◆ Real-life use of computers in education, careers, and everyday tasks
- ◆ Fun-filled interactive activities and hands-on demonstrations.

FACULTY ACCOMPLISHMENTS

- **Dr Jayashri Madalgi**, HoD MCA Department, was the Publicity chair for IEEE Bangalore Humanitarian Technology Conference, B-HTC 2025, Sustainable Development Goal 11: Sustainable Cities and Communities organized by North Karnataka Subsection and KLS's Gogte Institute of Technology, Belagavi from 25 April 2025 - 26 April 2025.
- **Prof. Mrutyunjaya Emmi** MCA faculty presented a paper titled '**Off- Chain Storage Solutions for Healthcare Data**' in National Conference on Innovations in science engineering & technology (NCISET2025) (Hybrid Mode) on 24 June 2025 at Chatrapati Shahu college of Engineering, Chatrapati Sambhaji Nagar, Aurangabad.
- **Dr Swetha Goudar** is a presenter/co-author of the paper titled '**Enhancing Radio Resource Allocation: A Web Usage Pattern Based Deep Learning- Powered Intelligent System for WSN**' presented at the 2nd International Conference on Computing Systems and Intelligent Applications (ComSIA- 2025).
- **Prof. Hrishikesh Mogare** participated in an ONLINE FDP on '**Futuristic Cyber Security: Integrating ML, AI, Quantum Computing**' from 17 March to 26 March 2025 by BLDEAs V. P Dr. P.G..Halakatti College of Engineering and Technology.
- **Prof. Hrishikesh Mogare** and **Prof. Shivani Patankar** participated in the Professional Development Programme on '**Innovative Pedagogical Approaches for Outcome Based Education**' from 24 Feb 2025 to 28 Feb 2025 at KLS GIT.
- **Prof. M. S. Emmi** completed online FDP on '**Data Science**' organised by SkillDzire in collaboration with AICTE 17 Mar 2025 to 31March 2025.

PLACEMENTS@MCA

Q Spiders

1. Rutuja Kharde
2. Parasharam N Shinde
3. Prajwal Khavatakopp
4. Sahana Golbhavi
5. Vaishnavi D Patil
6. Nooren A Pancham
7. Pramod Poojari
8. Divyashree Jannu
9. Prajwal Allayyanavar
10. Shivaparad N Patil
11. Chaitrali R Bhandarkar
12. Harshita Omprakash Mohata

TechTree

1. Sunidhi Sunil Deshpande

Infosys

1. Arwade Diya Sandeep
2. Pratiksha Niranjana Savadi
3. Harshita Omprakash Mohata
4. Sridhar K S
5. Rakshita S Holeyannavar
6. Divya Rajendra Kamate
7. Amruta Patil
8. Ompratham S Sonar

Federal Bank

1. Neha Suresh Naik

Carviewing

1. Reshma Raju Vernekar

STUDENT'S CORNER

Supply Chain Attacks Surge in 2025: Escalating Threats Transform Global Cybersecurity Landscape

Supply chain attacks in 2025 have reached unprecedented levels, with incidents doubling compared to previous years and impacting a vast range of industries, especially IT and technology firms. A surge in software vulnerabilities, aggressive phishing campaigns, and the widespread integration of third-party components have allowed threat actors to infiltrate downstream organizations rapidly and at scale. The recent NPM incident in September 2025 compromised hundreds of JavaScript packages, affecting billions of downloads through social engineering targeted at maintainers, underscoring how quickly a single event can ripple through the broader ecosystem.

Attackers now leverage AI-driven automation to identify vulnerabilities and employ ransomware, data breaches, and zero-day exploits, often focusing on suppliers and service providers as weak links in the digital supply chain. Supply chain compromises are no longer limited to software—AI models, training datasets, and cloud-based development tools all present new attack surfaces. The escalating threat landscape demands organizations adopt comprehensive risk management and strengthen vendor security to preserve operational resilience and trust.

Shrinidhi Yeri

MCA 4th Semester, B Division

STUDENT'S CORNER

Technology and Human Life

Technology has become part of our everyday life. From the moment we wake up, we use a mobile phone to check time, messages, or news. We travel using vehicles, study with the help of the internet, and connect with friends through social media. Truly, technology has made life faster and easier.

It has helped us in many fields. In hospitals, machines save lives. In schools, online classes help students learn better. Farmers use modern tools to grow more crops. People can now talk to anyone in the world through video calls in just seconds. Businesses also use technology to reach customers everywhere.

Technology has also made learning more fun. Students can watch videos, read articles, and solve problems online. Doctors can check patients' health quickly with the help of machines. Farmers can know weather updates and improve crops. Even simple tasks like paying bills, shopping, and booking tickets have become easier with technology.

But technology also has some problems. Many people spend too much time on phones and forget real conversations. Children sometimes get addicted to games and lose focus on studies. Overuse of gadgets can harm health, reduce physical activity, and take away family time. That is why we must use technology carefully and not become slaves to it.

If used wisely, technology is a great gift. It can solve problems, connect people, and give us new opportunities. Our future will depend on how smartly we use it today. When used for learning, health, and progress, technology becomes a true friend of humanity.

"Technology is powerful, but it is wisdom that decides how we use it."

Praveen H Bhusaraddi

MCA 3rd Semester, B Division

Editors



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Assistant Professor



Praveen Bhusaraddi
2GI24MC064



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