



Estd.1939

KLS GIT's DEPARTMENT OF MCA NEWSLETTER



Estd.1979

ePatrika

January – June 2023

Volume 3 / 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.

KLS Gogte Institute of Technology's

Permanently affiliated and an autonomous Institute under Visvesvaraya Technological University, Belagavi | Accredited by NAAC A+ and NBA

Master of Computer Applications

Accredited By



Academic Year

2022-2023 to 2023-2024

Visit: <https://www.nbaind.org/Accreditationprogram>

From the HoD's Desk

Dear Sir/Madam,

I take great pleasure to release the **Volume 3/Issue 1** of our MCA department's biannual magazine "*ePatrika*". The last 6 months were the most memorable and happening days in MCA@GIT. To mention a few: **MCA@GIT** is **accredited** by the **National Board of Accreditation**. The academic year **2022-2023** witnessed **full admissions (120)**. Our College's **NPTEL Local Chapter** is rated with "**A**" grade.

As you peer through the magazine, you will also see that our dynamic MCA team (Faculty/Students) have been contributing in various academic/extra curricular activities with full zeal. Happy Reading and have a wonderful time ahead!

Dr Jayashri B. Madalgi

CONTENTS

- Awards/Recognitions
- Academic Excellence
- Faculty Accomplishments
- Publications
- Events@MCA

AWARDS/REGOGNITIONS

MCA Department Accredited by the National Board of Accreditation

The screenshot displays the NBA website's 'ACCREDITED PROGRAMS' section. The header includes the NBA logo and navigation links. The main content area is titled 'ACCREDITED PROGRAMS' and shows a search filter for 'Engineering' with 'MCA' selected. The search results for 'MASTERS OF COMPUTER APPLICATIONS ACCREDITED PROGRAMS' are shown, with a search filter for 'Karnataka' and 'Masters of Computer Applications'. The search results table is as follows:

Name of the Institution	Program	Level	Accreditation Status	Accreditation Latest
KARNATAK LAW SOCIETY'S GOGTE INSTITUTE OF TECHNOLOGY (Belgaum)	Masters of Computer Applications	Post Graduate	ACCREDITED	Academic Year 2022-23 and 2023-24, i.e. upto 30-06-2024

Below the table, it shows 'Showing 1 to 1 of 1 entries' and navigation buttons for 'Previous', '1', and 'Next'. The footer contains 'CONTACT US' information, including the address: 'National Board of Accreditation, 4th floor, East Tower, NBCC Place, Bhisham Pitamah Marg Pragati Vihar, New Delhi 110003, INDIA' and contact details: 'For General Query: 011 24360620-22' and 'membersecretary@nbaindia.org'. The footer also includes the copyright notice: '©2019 National Board of Accreditation (NBA), India. All Rights Reserved. Email to Webmaster' and 'Total Visitors Since 01/01/2020: 450199'.

The Karnatak Law Society's Gogte Institute of Technology's Post Graduate Programme "Master of Computer Applications" gets Accredited by The National Board of Accreditation (NBA) from the academic year 2022 – 2023 and 2023 - 2024 upto 30 June 2024 with a score of 702/1000.

AWARDS/REGOGNITIONS

KLS GIT's NPTEL Local Chapter in Top 100 for Jan-April 2023 season



NPTEL Local Chapter of KLS GIT has secured "A" grade by figuring in top 100 Local Chapters among more than 4500 Local Chapters across the country. This is the fifth season in a row that we are in the top 100 Local Chapter list.

For this season, from our Local Chapter, a record number of **1384** candidates (including students, faculty and non-teaching technical staff) registered for various courses, and **624** have successfully completed the courses. Among them, **417** have got Elite certificates, **51** have secured Silver and a record number of **31** candidates became Toppers resulting in our Local Chapter bagging "A" grade.

At **MCA Department** around **20% students** enroll for NPTEL course to complete their certification course.

AWARDS/REGOGNITIONS

Ms Manisha Patil MCA Student bags third in the University Level Essay Competition



Ms Manisha Patil, third-semester MCA student at KLS Gogte Institute of Technology, took part in the University - Level essay competition on "**National Education Policy 2020**" that was held on 22 December 2022 by the Visvesvaraya Technological University.

The event was conducted at the college level initially and later at the University Level at the VTU Regional Office, Belagavi. Ms Manisha presented her ideas on the National Education Policy 2020 with a remarkable degree of clarity and conviction while competing with participants from 20 institutions.

As a result of her devotion and hard work, she won the third prize in the tough competition. The principal, management, and staff of KLS GIT heartily congratulated Ms Manisha Patil for her outstanding accomplishment.

AWARDS/REGOGNITIONS

Dr Sunita Padmannavar's Research Paper Published for Patent

पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 25/2023	शुक्रवार	दिनांक: 23/06/2023
ISSUE NO. 25/2023	FRIDAY	DATE: 23/06/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 25/2023 Dated 23/06/2023

45136

(12) PATENT APPLICATION PUBLICATION (21) Application No.202341032314 A
(19) INDIA
(22) Date of filing of Application :08/05/2023 (43) Publication Date : 23/06/2023

(54) Title of the invention : A METHOD OF ANALYZING STUDENT PERFORMANCE PREDICTION USING BPSO FEATURE SELECTION AND CNN CLASSIFIER

(51) International classification :G01C 211600, G06F 030100, G06K 096200, G09B 070000, G09B 070200	(71)Name of Applicant : 1)Ms. Safira Begum Address of Applicant :Research Scholar, Visvesvaraya Technological University – RRC, Belagavi, Karnataka, Pin Code-590013
(86) International Application No :PCT// Filing Date :01/01/1900	2)Dr Sunita SheetalKumar Padmannavar Name of Applicant : NA Address of Applicant : NA
(87) International Publication No :NA	(72)Name of Inventor : 1)Ms. Safira Begum Address of Applicant :Research Scholar, Visvesvaraya Technological University – RRC, Belagavi, Karnataka, Pin Code-590013
(61) Patent of Addition to Application Number :NA Filing Date :NA	2)Dr Sunita SheetalKumar Padmannavar Address of Applicant :Associate Professor, Department of MCA, KLS Gogte Institute of Technology, Udyambag, Belgavi, Karnataka, Pin code -590008
(62) Divisional to Application Number :NA Filing Date :NA	

(57) Abstract :
The present invention relates to a method (100) of analyzing student performance prediction using BPSO feature selection and CNN classifier that overcomes the limitations of traditional method (100). The use of BPSO feature selection and CNN classifier improves the accuracy of the model and reduces overfitting. The method (100) can be applied to a variety of educational data, such as demographic information, test scores, or writing samples, and can be used to provide timely interventions to improve academic outcomes. The method (100) to optimize the use of educational resources, such as time, materials, and personnel, by analyzing data on student progress and learning outcomes.

No. of Pages : 14 No. of Claims : 9

The Patent Office Journal No. 25/2023 Dated 23/06/2023

45512

Ms Safira Begum, a research scholar under the guide ship of Dr Sunita Padmannavar, Associate Professor from the department of MCA, KLS Gogte Institute of Technology, their research paper “A Method of Analyzing Student Performance Prediction Using BPSO Feature Selection and CNN Classifier” published for patent.

ACADEMIC EXCELLENCE

MCA PGCET Toppers at MCA@KLS GIT



Mr Shivagouda Patil

USN: 2GI22MC091

PGCET MCA Topper for the batch 2022-2024

PGCET Rank: 244



Ms Nandashree Koujalagi

USN: 2GI22MC048

PGCET MCA Topper for the batch 2022-2024

PGCET Rank: 290

FACULTY ACCOMPLISHMENTS



- MCA faculty **Ms Sheetal S. Bandekar** attended an offline Five Day FDP on “**Research Trends and Opportunities in Artificial Intelligence and Data Science**” from 27 March 2023 to 31 March 2023 organised by the Department of Information Science & Engineering, CSE (Data Science) and Department of CSE (Artificial Intelligence & Machine Learning) at Sahyadri College of Engineering and Management, Adyar, Mangaluru.



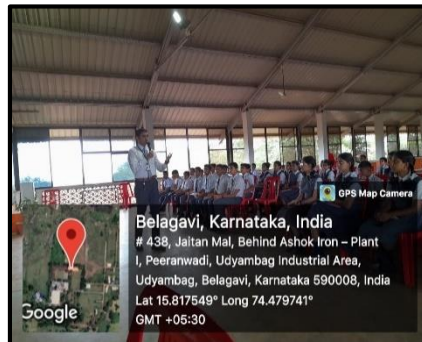
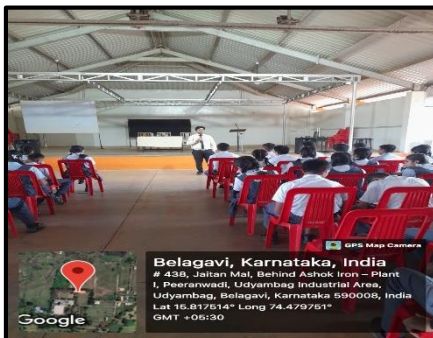
- Research Scholar from the Visvesvaraya Technological University, Belagavi **Ms Safira Begum** (5VW16PEJ99) successfully completed her Final Viva-voce of PhD under the guide ship of **Dr Sunita S. Padmannavar**, Associate Professor, Department of MCA, KLS GIT on 16 June 2023, Her research topic name is “**Recommendation system for evaluating student performance using predictive analysis.**”

FACULTY ACCOMPLISHMENTS

- **Mr Vinod R Kokitkar** attended a two-day FDP on “**Introduction to Multi-Spectral Image Processing and AI Applications**” from 28 March 2023 to 29 March 2023. organised by KLS Gogte Institute of Technology.
- **Dr J. B. Madalgi, Dr S. I. Goudar and Ms Shivani Patankar** from the department of MCA successfully completed Two-Week Faculty Development Programme on “**Data Analytics for Advanced Research using R and Tableau**” from 01 May to 10 May 2023 organised by NITK Warangal.
- **Ms Sheetal Bandekar, Mr Hrishikesh Mogare, Mr Pavan Mitragotri, Mr Sachin Desai, Ms Shivani Patankar and Mr Neelesh Anvekar** from the department of MCA successfully completed One Week AICTE–VTU Joint Teachers Training Programme on “**Fundamentals of Data Science & Analytics**” from 05 June to 09 June 2023 organised by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.).
- **Dr Pijush Barthakur, Mr M. S. Emmi, Mr Vinod R. Kokitkar, Ms Sheetal Bandekar, Mr Hrishikesh Mogare and Mr Pavan Mitragotri** from the department of MCA attended 10 days Faculty Development Programme on “**A Step-by-Step Guide to write a Good Research Paper**” organised by Research foundation India and RFI-CARE from 09 June to 18 June 2023.
- **Dr Sunita Padmannavar** from the department of MCA attended Eight Days Faculty Development Program on “**Cyber Security & Hacking**” from 16 June 2023 to 24 June 2023 organised by the Department of Computer Science & Applications (BSc CS), Faculty of Science and Humanities, , SRM Institute of Science and Technology, Ramapuram, Chennai.

FACULTY ACCOMPLISHMENTS

- **Dr Sunita Padmannavar** from the department of MCA attended FDP on “**Recent Trends in Signal and Image Processing Applications**” from 12 June – 21 June, 2023 organised by E&ICT Academy, National Institute of Technology, Warangal in association with Department of Electronics & Communication Engineering, Vasavi College of Engineering (Autonomous), Hyderabad
- **Dr Sunita Padmannavar** from the department of MCA attended FDP on “**Recent Trends in Signal and Image Processing Applications**” from 12 June – 21 June, 2023 organised by E&ICT Academy, National Institute of Technology, Warangal in association with Department of Electronics & Communication Engineering, Vasavi College of Engineering (Autonomous), Hyderabad.



- **Mr Pavan Mitragotri** from MCA department was called as a resource person to deliver a talk on “**Career guidance for Computer Science students on Programming Using Java**” at Dyan Prabhodhan Mandir School for students from 8th, 9th and 10th standard on 26 June 2023.
- **Mr Hrishikesh Mogare** from MCA department was called as a resource person to deliver a talk on “**Career guidance for Computer Science students on Database Management System**” at Dyan Prabhodhan Mandir School for students from 8th, 9th and 10th standard on 26 June 2023.

PUBLICATIONS

- **Safira Begum, Sunita S Padmannavar, "Student Performance Analysis using Bayesian Optimized Random Forest Classifier and KNN"**, International Journal of Engineering Trends and Technology (Scopus Q4), Volume 71 Issue 5, 132-140, May 2023. Crossref, <https://doi.org/10.14445/22315381/IJETT-V71I5P213>
- **Prof. Hrishikesh Mogare, Prof. P. V. Mitragotri, Mr Sujit Kumbhar, "A study on Object Detection using Deep Learning"**, International Journal of Latest Engineering and Management Research (IJLEMR), Volume 08 – Issue 06, June 2023, PP. 22-26 <https://www.ijlemr.com/papers/volume8-issue06/5-IJLEMR-77839.pdf>.
- **Prof. P. V. Mitragotri, Prof. Hrishikesh Mogare, Mr. Suchet Andappa, "Computerization in Material Management for Mattress Industry"**, International Journal of Latest Engineering and Management Research (IJLEMR), Volume 08 – Issue 06, June 2023, PP. 27-31. <https://www.ijlemr.com/papers/volume8-issue06/6-IJLEMR-77840.pdf>

EVENTS@MCA

Visit to Ramakrishna Ashram



On **07 February 2023**, under the banner of **Association of Computer Applications (ACA)** and a part of the **Induction Programme** the first year MCA students were taken to **Ramakrishna Ashram** for a Pep-talk on the aspects related to yoga, meditation and disciplined life for a student to excel in academics and career.

EVENTS@MCA

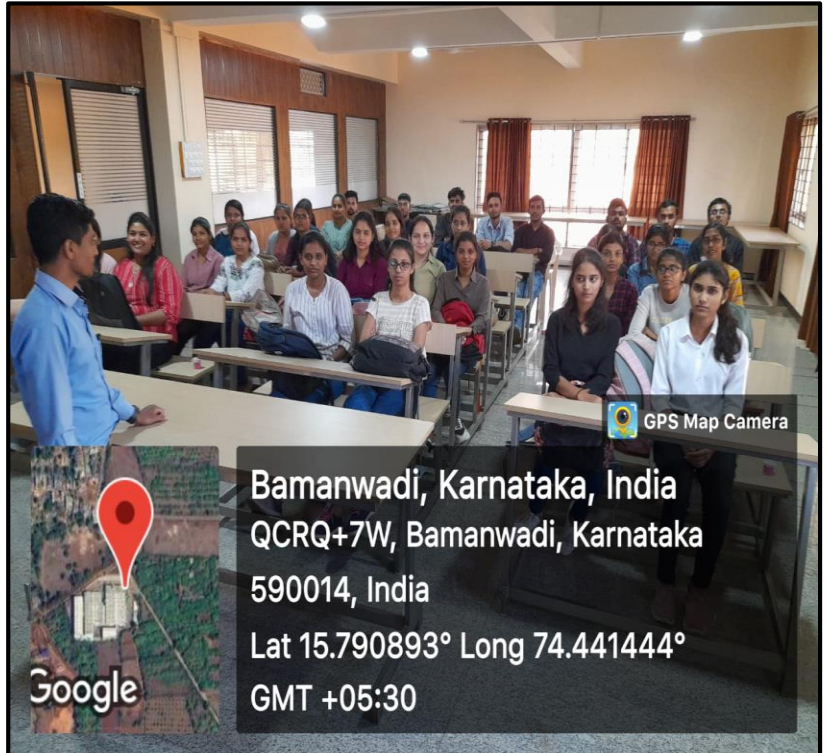
Visit to OM's Fitness



On **07 February 2023**, under the banner of **Association of Computer Applications (ACA)** and a part of the **Induction Programme** the first year MCA students were taken to **OM's Fitness** owned by our MCA alumni **Mr Omkar Motar**. He inspired the students to be a Fitness Freak by his demos and workouts and made the students realise that students who are physically active tend to have better grades, school attendance, cognitive performance (e.g., memory), and classroom behaviors (e.g., on-task behavior). The students realized that higher physical activity and physical fitness levels are associated with improved cognitive performance (e.g., concentration, memory).

EVENTS@MCA

Visit to Orione Hydraulics



On **07 February 2023**, under the banner of **Association of Computer Applications (ACA)** and a part of the **Induction Programme** the first year MCA students were taken for an industrial visit to **Orione Hydraulics**. The purpose of this visit was to provide technical knowledge with the technological development in the industry and to understand the gap between theoretical and practical knowledge.

The students explored how Information Technology is playing a vital role in a manufacturing industry and learnt about the latest tools and technologies that are being used to integrate hardware and software in developing automated systems with high quality standards.

EVENTS@MCA

Alumni Talk by Mr Samarth Kulkarni



On **11 February 2023**, under the banner of **Association of Computer Applications (ACA)** and a part of the **Induction Programme** for the first year MCA students, MCA department's distinguished alumni **Mr Samarth Kulkarni, Backend Developer, Jiva** delivered an alumni talk on the topic "**Road Map for Career**".

The Key takeaway from his talk were:

- The importance of building a strong foundation in computer science and related fields.
- The significance of staying updated with the latest technologies and trends in the industry.
- The role of data structures and algorithms in a successful career in technology.
- The power of disciplined study habits.

EVENTS@MCA

Alumni Talk by Mr Ajay Akiwate



On **11 February 2023**, under the banner of **Association of Computer Applications (ACA)** and a part of the **Induction Programme** for the first year MCA students, MCA department's distinguished alumni **Mr Ajay Akiwate**, Associate Software Engineer, Cordis Technology Ltd. delivered an alumni talk on the topic "**Placement Preparedness**".

The Key takeaway from his talk were:

- The relationship between good health and a successful career.
- Strategies for acing the technical rounds during a placement drive.
- The need for continuous learning and professional development.
- The benefits of participating in coding challenges and hackathons.
- The importance of networking and building relationships with industry professionals.

EVENTS@MCA

Alumni Talk by Ms Harshada Khandekar



On **11 February 2023**, under the banner of **Association of Computer Applications (ACA)** and a part of the **Induction Programme** for the first year MCA students, MCA department's distinguished alumni **Ms Harshada Kahndekar**, Software Developer, 5GenCare, delivered an alumni talk on the topic "**Campus To Corporate**".

The Key takeaway from her talk were:

- The value of having a growth mind set and being open to new opportunities.
- The role of soft skills such as communication, teamwork, and leadership in a successful career.
- The impact of internships and real-world experience on career prospects.
- The power of having a clear career vision and setting achievable goals.

EVENTS@MCA

A One-Day Cricket Match



A One Day Cricket Match was organised by the **Association of Computer Applications (ACA)** of the MCA department for the MCA third semester students on 16 February 2023.

The teams were A division and B division students from MCA department. The non-participants witnessed the game and cheered the players. All in all the game was filled with energy, motivation, fun and joy.

EVENTS@MCA

Post Graduate (PG) Freshers' Welcome Function



The **PG Freshers' Welcome Function** was organised by the KLS GIT's Department of MCA on 23 February 2023. MCA Alumni **Mr Suraj Vernekar**, Technical Product Owner, Siemens was the Chief Guest; and Swami Mokshatmanandaji Maharaj, Ramakrishna Mission Ashram, Belagavi was the Guest of Honour.

Mr Suraj Vernekar insisted the PG students to focus on coming up with new ideas and their ideas could get accepted in India itself in the present scenario. He also warned the students not to get demotivated by the layoffs and they too can think of their own startups.

EVENTS@MCA

Post Graduate (PG) Freshers' Welcome Function

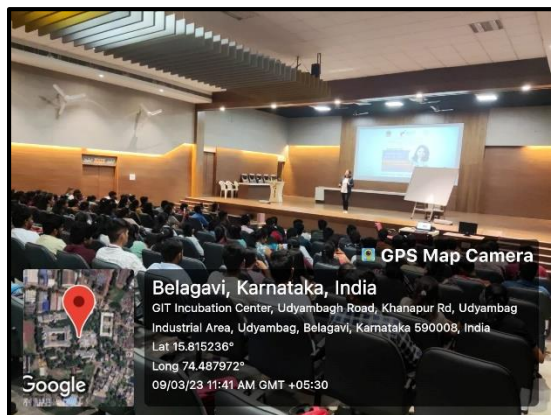


Swami Mokshatmanandaji Maharaj started his motivational speech that KLS GIT is the IIT of Belagavi. In his address he elaborated the importance of acquiring knowledge and how meditation helps one to conquer senses and mind by quoting from the Bhagavad-Gita. He also enlightened the students about the type of pains: Pain of Discipline and Pain of regret and that the second pain endures for a longer time. He motivated students by quoting Swami Vivekanand and elaborated on the truth: and its nature "Satyam-Shivam-Sundaram".

Principal **Dr J. K. Kittur** in his address to the audience congratulated the freshers for choosing KLS GIT. The function ended by felicitation of PG CET rank holders. The entire function was managed by the Department of MCA. **Dr J. B. Madalgi**, HoD MCA gave the Welcome Address. **Ms S. H. Manoor** introduced the guests, **Mr H.S. Mogare** delivered the vote of thanks and the programme was anchored by **Mr Abhishek Nazare**.

EVENTS@MCA

“Being the Boss of You” - A Motivational Talk by Ms Natasha Ajgaonkar



On the occasion of International Women’s Day, the Department of MCA, in association with, the IIC, KLS GIT, organised “**Being the Boss of You – A Motivational Talk**” by **Ms Natasha Ajgaonkar**, a renowned counselling psychologist, entrepreneur and our alumnus on 9 March 2023. She emphasized the importance of developing risk-taking ability and building self-confidence by focusing on one's inner voice rather than societal expectations. She shared her insights on the qualities required for successful entrepreneurship. She stressed the need to take calculated risks and develop a strong sense of self-confidence by focusing on the inner journey.

The talk was followed by an interactive session that attracted numerous questions from the students and faculty alike.

The event was supported by the **KLS Management** and the Principal **Prof. D. A. Kulkarni**, along with **Dr Kiran K. Tangod**, President, IIC and **Dr Jayashri Madalgi**, HoD MCA. The event was coordinated by **Ms S. H. Manoor**.

EVENTS@MCA

Interactive Session on “My Journey of Entrepreneurship”



On 13 April 2023 KLS GIT had the opportunity to host **Mr Prakash Mugali** for an interactive session on "**My Journey of Entrepreneurship**" He is the Founder of the Enerzi Group of companies, a start-up coach, TEDx Speaker, Pro-MMA athlete, and a globally recognised innovator.

Mr Prakash Mugali motivated the students of BE, MTech, MBA, and MCA students to start their start-ups. He also discussed his journey of entrepreneurship. He spoke about the importance of networking, dealing with uncertainty, spending time with people of the entrepreneurial mindset, staying calm during ups and downs, and developing a positive mind-set in the course of a start-up journey, the program was more of an interactive session.

Dr Ameet Chate moderated the interactive session, and more than 100 students actively participated in the event. The program was organised by the Principal **Prof. D. A. Kulkarni**; Dean IRDC, **Dr Swetha Goudar**; and **Dr Ganesh R. Chate**.

Shri Rajendra Belgaumkar, Chairman, KLS Gogte Institute of Technology, Belagavi, praised the efforts taken to organise the event.

EVENTS@MCA

Voting Awareness Programme




Under the banner of **Association of Computer Applications (ACA)**, the first semester students of MCA conducted “**Voting Awareness Programme**” on 8 May 2023. In this programme they visited all the classrooms and labs of KLS Gogte Institute of Technology and motivated the students to vote and also elaborated on the significance of voting and the repercussions of not voting in Democracy.


They also elaborated the students on the process of voting and helped them in clarifying their doubts.

EVENTS@MCA

Alumni Talks



Karnatak Law Society's
GOGTE INSTITUTE OF TECHNOLOGY
Belagavi



[An Autonomous Institution under Visvesvaraya Technological University]

Department of Master of Computer Applications


ALUMNI Talk SERIES

Topic
Roadmap for Career

Date
11th February 2023

Time
10:00 AM

Venue:
Sir M V Hall, KLS GIT



Mr. Samarth Kulkarni
Backend Developer, Jiva

Prof. S H Manoor, Prof. A N Nazare
Event Coordinators,
Department of MCA
KLS GIT

Dr. J B Madalgi
HOD, MCA
KLS GIT

Dr. Jayant. K. Kittur
Principal
KLS GIT

KLS GIT
"Jnana Ganga", Udyambag, Belagavi - 590 008, Karnataka, India
www.git.edu // +91 831 2498500 // hodmca@git.edu



Karnatak Law Society's
GOGTE INSTITUTE OF TECHNOLOGY
Belagavi



[An Autonomous Institution under Visvesvaraya Technological University]

Department of Master of Computer Applications

ALUMNI Talk SERIES

Topic
Campus To Corporate

Date
11th February 2023

Time
11:00 AM

Venue:
Sir M V Hall, KLS GIT




Ms. Harshada Khandekar
Software Developer,
5GenCare

Prof. S H Manoor, Prof. A N Nazare
Event Coordinators,
Department of MCA
KLS GIT

Dr. J B Madalgi
HOD, MCA
KLS GIT

Dr. Jayant. K. Kittur
Principal
KLS GIT

KLS GIT
"Jnana Ganga", Udyambag, Belagavi - 590 008, Karnataka, India
www.git.edu // +91 831 2498500 // hodmca@git.edu



Karnatak Law Society's
GOGTE INSTITUTE OF TECHNOLOGY
Belagavi



[An Autonomous Institution under Visvesvaraya Technological University]

Department of Master of Computer Applications

ALUMNI Talk SERIES

Topic
Placement Preparedness

Date
11th February 2023

Time
12:00 pm

Venue:
Sir M V Hall, KLS GIT



Mr. Ajay Akiwate
Associate Software Engineer,
Cordis Technology Limited

Prof. S H Manoor, Prof. A N Nazare
Event Coordinators,
Department of MCA
KLS GIT

Dr. J B Madalgi
HOD, MCA
KLS GIT

Dr. Jayant. K. Kittur
Principal
KLS GIT

KLS GIT
"Jnana Ganga", Udyambag, Belagavi - 590 008, Karnataka, India
www.git.edu // +91 831 2498500 // hodmca@git.edu



Karnatak Law Society's
GOGTE INSTITUTE OF TECHNOLOGY
Belagavi



[An Autonomous Institution under Visvesvaraya Technological University]

Department of Master of Computer Applications

ALUMNI Talk SERIES

Topic
Skill Oriented
Placement Preparation

Date
30th June 2023

Time
11:00 AM

Venue:
S J Auditorium
KLS GIT Campus



Ms Deepali Dombale
Operations Delivery Analyst
Barclays

Ms S H Manoor
Event Coordinator,
Department of MCA
KLS GIT

Dr. J B Madalgi
HOD, MCA
KLS GIT

Prof. D A Kulkarni
Principal
KLS GIT

KLS GIT
"Jnana Ganga", Udyambag, Belagavi - 590 008, Karnataka, India
www.git.edu // +91 831 2498500 // hodmca@git.edu

Editor



**Ms Sheetal Bandekar
Assistant Professor**

Contact Us:

KLS Gogte Institute of Technology
"Jnana Ganga",
Udyambag, Belagavi 590008
Karnataka, India
Phone: +91-831-2405500
Fax: +91-831-2441909
e-mail: principal@git.edu

Contact Us:

KLS Gogte Institute of Technology
Department of Master of Computer
Applications
HoD e-mail: hodmca@git.edu
jayashri@git.edu
Phone: +91-831-2405500
HoD Mobile Number: +919741360681