

**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
Autonomous Institute, Affiliated to VTU



**DEPARTMENT OF COMPUTER APPLICATIONS**

ಇಲಾಖಾ  
ಕಾಂಪ್ಯೂಟರ್

- RECOLLECTION BASKET

**ACTIVITY REPORT - 2023**



# Smarana Manjusha – 2023

**Jan 02, 2023:** BMSCE ISRC in collaboration with CIIE and department of Computer Applications conducted a webinar on 'Intellectual Property Rights' delivered by Ms. Preeti Meena, an Examiner of Patent and Design at Indian Patent Office Chennai.



**Jan 06, 2023:** Dr. D N Sujatha, Professor, Department of Computer Applications was invited as Co-Chair, WiE Track, 15<sup>th</sup> International Conference on COMMUNICATION SYSTEMS & NETWORKS which was held at Chancery Pavilion, Bangalore.



**Jan 07, 2023:** Dr. D N Sujatha, Professor, Department of Computer Applications was invited as Vice Chair for the AGM of IEEE Communications Society, Bangalore at IISc, Bangalore.



**Jan 11, 2023:** Cultural Club of Department of Computer Applications conducted an event "Head Shoulders Knees and Cup" for third semester MCA students. This event was conducted by HemaShree B J.



**Jan 18, 2023:** Department of Computer Applications conducted an online value added course on "Augmented Reality" from Jan 18<sup>th</sup> to 31<sup>st</sup>. The course was handled by Department of Computer Applications faculties Smt. Pushpa T S, Dr. K Vijaya Kumar industry experts Mr. Amit Karmakar, Irusu Technologies Pvt. Ltd., and Mr. Pranav Ram A, Coextrix Technologies.



# Smarana Manjusha – 2023



**Jan 18, 2023:** Cultural Club of Dept. of Computer Applications conducted Anthyakshari of songs and movie names. The entire third semester MCA class was divided into two groups and played. Also, singing with songs containing English words in their lyrics.



**Jan 26, 2023:** Dept. of Computer Applications, Chiranthana, NSS club had organized a program in association with Samskara Bharathi, "*Bharathmata Pujan*- A patriotic songs program by renowned singers". Sri. Babu Hirannaiah, honourable President, Samskara Bharathi Bengaluru South and Sri. Prakash Belavadi, Director, Actor, Renowed Theatre Personality were invited as Chief guests.



**February 8, 2023:** Cultural Club of department of Computer Applications organized musical chair game for third semester students.





# Smarana Manjusha – 2023

**February 10, 2023:** Dr. D N Sujatha, Professor, Department of Computer Applications participated as resource person for BITES Annual Convention held during 10th and 11th February, 23 at Infosys, Mysore .



**February 10, 2023:** Dr. S Muralidhara, Principal, signed *Vande Foundation* MoU on behalf of B.M.S. College of Engineering. Dr. Ch. Ram Mohan Reddy, Prof. and Head,,Dept..of CA, is Single Point of Contact. Prof. Pushpa T S, Prof. Shilpa S, Prof. Shailaja K P, faculties of Department of Computer Applications and Dr. Sujatha N, Mathematics Department were signed as coordinators to execute the activities signed under this MoU.



**February 16, 2023:** Placement Club of department of Computer Applications organized a session for first semester MCA students to brief about the placement process. Third semester MCA students Bhagyashri, Kiran and Sharan shared their experiences in giving placement interviews.



**February 12, 2023:** Third semester MCA students visited Bio-methanation Plant -



# Smarana Manjusha – 2023

Yediyur Ward as a part of societal activity which is organized by Vande Foundation in association with department of Computer Applications.



**February 25, 2023:** Dr. D N Sujatha, Professor, Department of Computer Applications delivered a talk at Vemana Institute of Technology.



**Feb 25, 2023:** Vande Foundation for third semester MCA students hosted

CIVIC AWARENESS DRIVE & NEP Survey

**CIVIC AWARENESS DRIVE** - This is an initiative to develop a sense of responsibility towards our society by bringing in notice of various loopholes and development issues to our authorities via digital platforms as a medium. This is a fruitful mechanism which helps to create a better society to live in.

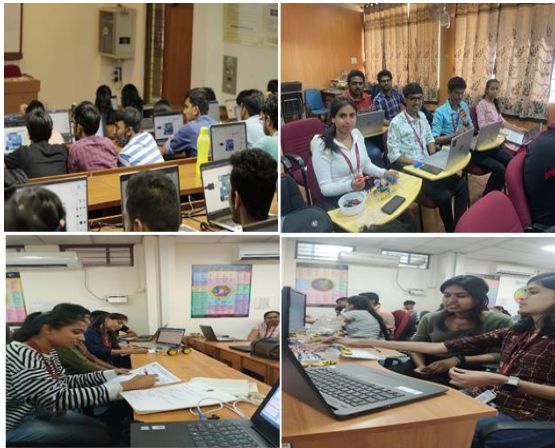
Here students were asked to submit an unresolved problem like garbage disposal, pothole, electricity issue, sewage to SAHAAYA(2.0) app and fill the details in the google form shared by Vande Foundation.

**National Education Policy (NEP) 2020** - through google form. Students were asked to get faculty survey to understand the prospects of this policy. Since NEP helps in making India a global knowledge superpower, path breaking and visionary. These reforms, both in school and higher education, would have profound impact on the gross enrolment ratios, quality of education, research, employability and internationalization in the years to come. This would transform India's educational landscape from one of local presence to global leadership with quality, equity, inclusion and access. Effective implantation of several changes initiated in this Policy would pave way for achieving Atmanirbhar Bharat sooner than expected.

**February 27, 2023:** Department of Computer Applications in association with ELSOC, the Student Community of the Department of Electronics & Communication Engineering, of BMSCE and CIIE BMSCE has organized Five-day skill development training on "Internet of Things - IoT" during Feb 27<sup>th</sup> to Mar 3<sup>rd</sup>, 2023 scheduled between 2-5 PM.. This event was coordinated by Mr. Girish K.

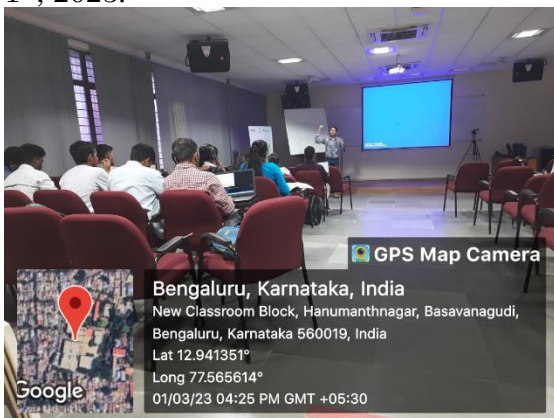


# Smarana Manjusha – 2023



**March 04, 2023:** Department of Computer Applications arranged a visit to Indian Institute of Science, Bengaluru during “Open Day” event. This visit provided students an opportunity to visit the Institute and go around the campus to explore the exciting science, technology initiatives and research activities of the Institute showcased by IISC. This event was organized for first and third semester students of MCA by faculty coordinators P Lakshminarayana and Girish K.

**March 01, 2023:** Department of Computer Applications, in association with VR Academy, conducted a value added course on "Data Analytics with AI" for first semester MCA students starting from Feb 27<sup>th</sup> to March 1<sup>st</sup>, 2023.



**March 06, 2023:** Department of Computer Applications in association with BMSCE IEEE SB and WiE Affinity Group, BMSCE organized an interactive session on “My Journey as an Entrepreneur” by Mr. Nitish Kannantha, CEO, Future Revolution. Mr Nitish is alumnus of the department (2014 Batch). This event was coordinated by Dr. D N Sujatha.

**March 03, 2023:** First Semester MCA students attended INTER-COLLEGIATE fest “Exceptions” organized by R.V. College of Engineering.

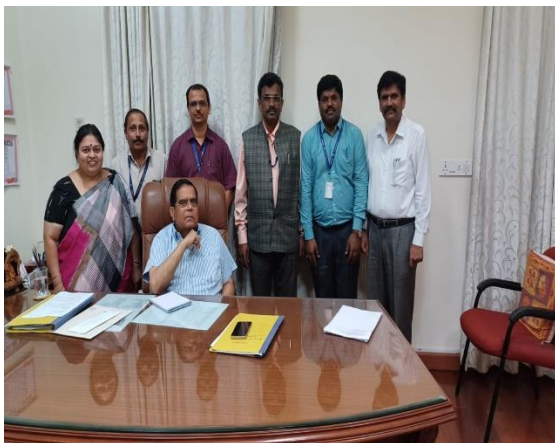




# Smarana Manjusha – 2023



**March 06, 2023:** Dr. Ch. Ram Mohan Reddy, Head of Dept. of Computer Applications, Faculties Girish K, P Lakshminarayan and Pushpa T S accompanied by Dr. Muralidhara, Principal and Dr. Bheemsha VicePrincipal-Admin met Dr. P.Dayananda Pai, Chairman, BMSCE & Life Trustee, B.M.S. Educational Trust regarding increase in intake from 60 to 120 for MCA Course.



**March 07, 2023:** Cultural Club of department of Computer Applications organized fun activity-Pass-it-on Charades.

In this activity, one person starting the game while his/her group stands front to back in a single line.

The first person in the line is shown an action by the game-organiser which the former has to remember by seeing it just once.

The designated first person will now show the person next-in-line how to perform the same action that the previous person did.

From there people will perform what they remembered from the previous person.

Having a large group of people watch as the actions get more exaggerated throughout the line keeps everyone watching entertained.



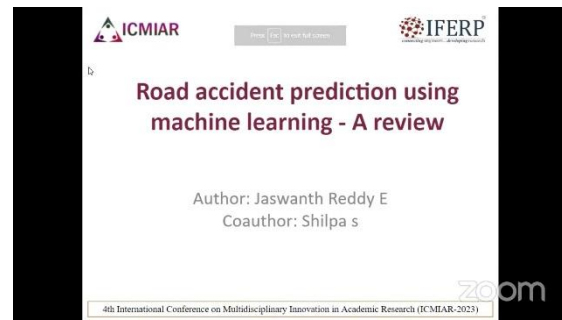


# Smarana Manjusha – 2023

**March 09, 2023:** Rayan Bakshi, Ananya Rao, Prashant.S and Saransh Vatsa, first semester MCA students conducted placement activity. During this session, students were divided into teams of 5 members each and were given a random topic from selected set of topics to debate. Rayan and Prashant gave a brief information about the rules of the debate activity and made sure everyone put their points on the table.

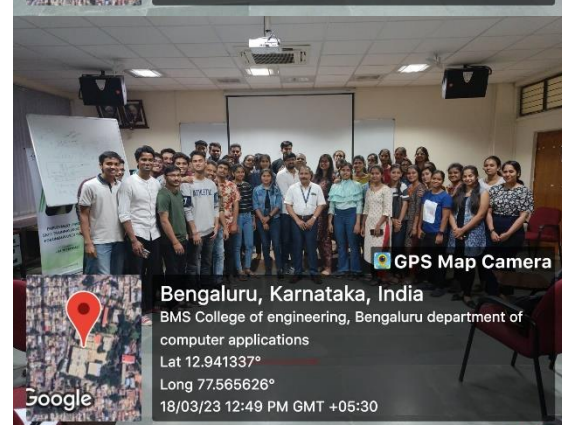
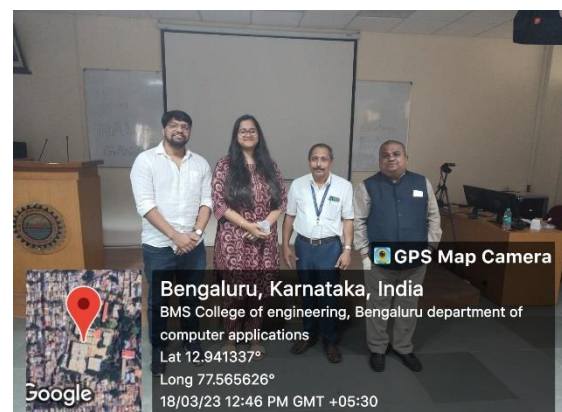


**March 17, 2023:** Jaswanth Reddy E (1BM20MC017) and Shilpa S presented a research paper titled “Road accident prediction using Machine learning - A review” which has been awarded as Best Paper in ICMIAR-2023 (4th International Conference on Multidisciplinary Innovation in Academic Research) held at Chennai.



**March 18, 2023:** Siva Rama Krishna and P Lakshminarayana, department of Computer Applications faculties organized a guest talk on “Product Life Cycle - Ideation to Release” as a first episode of “Coffee with Corporate” series.

The resource person of this event is *Aditi Srivastava*, Product Manager, Rocketium Pvt. Ltd, Bangalore.



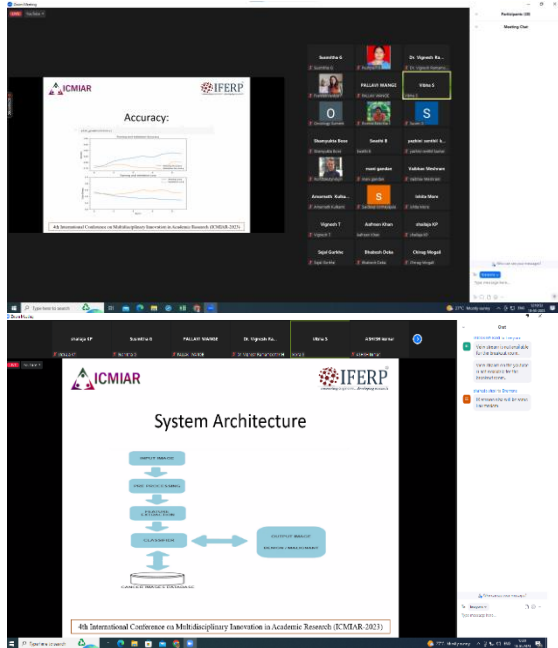
**March 18, 2023:** K.P Shailaja, Pushpa T S and Vibha S (1BM21MC059) jointly authored a paper titled “Breast Cancer Detection using Machine Learning Algorithm”. Vibha S presented this





# Smarana Manjusha – 2023

paper at International Conference on Multidisciplinary Innovation in Academic Research (ICMIAR-23).



**March 19, 2023:** Third semester students of MCA participated in the event “Under MISSION SILENT SOULS!! - a program to put reflective night visible neck bands for street dogs” hosted by Vande Foundation.



**March 20, 2023:** Dr. S. Uma, Associate Professor in the Department of Computer Applications, published a research paper titled ‘Nowcasting of Weather Parameters Impacting Solar

PV Output Using Grey System Model’ in the Indian Journal of Science and Technology, ISSN: 0974-5645, Volume.16, Issue 11, pp. 829-838, March 2023.  
DOI: 10.17485/IJST/v16i11.2017.

**March 23, 2023:** Placement Club of department of Computer Applications conducted a session on “cracking aptitude test- quantitative, verbal and reasoning questions”. This session was handled by Rayan Bakshi, Ananya Rao and Prashant S.



**March 25, 2023:** Dr. S. Uma was invited as a Resource person at the “Practices in Outcomes Based Education” workshop to deliver a session on "Computing the Attainment of CO/PO & Continuous Improvement through the Attainments Calculation" held at B.M.S. College of Engineering, Bangalore.

**March 28, 2023:** Nayana S and K. Vishnupriya, students of first semester MCA won 2nd Prize EventX in the Inter-Collegiate fest “DATAGRAM 5.0” organized by St.Joseph's University held during 27 -28 March 2023.



# Smarana Manjusha – 2023



**March 28, 2023:** Sharan N (1BM21MC046), second year MCA student received scholarship during celebration of 132th birth anniversary of Bharat Ratna Dr. Ambedkar held at sports complex of BMSCE.



**March 28, 2023:** Saransh Vatsa, Kishan Agrawal and Sarthak Thakur, students of first semester won second prize in Treasure Hunt in the Inter-Collegiate fest "DATAGRAM 5.0" organized by St. Joseph's University on 27th and 28th March 2023.



**March 29, 2023:** First Semester students of MCA attended INTER-COLLEGIATE fest "SURSANGRAM-2K23" organized by Surana College.



**March 29, 2023:** K Vishnupriya and Nayana S, won second prize in *Censura* Event in the Inter-Collegiate fest "SURSANGRAM-2K23" organized by Surana College.

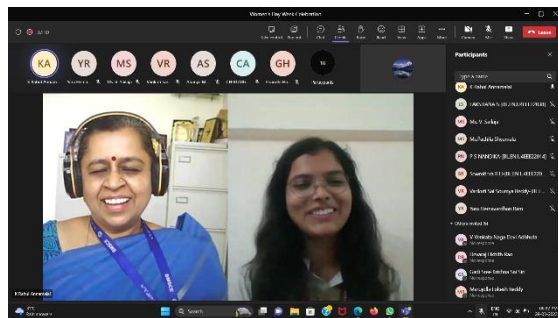


**March 29, 2023:** Dr. D N Sujatha, Professor, Department of Computer Applications was invited for an Interactive session on Women



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Empowerment by organized by Amrita School of Engineering.



March 30, 2023: Placement Club, Department of Computer Applications coordinated a two day online workshop on “How to get a placement in MNC” conducted by IIT Bombay.



DNS, SU, GK, VPP – value added course on Computer Networks

April 06, 2023: Placement Club, department of Computer Applications conducted a session on *pick and speak*, handled by Rayan Bakshi, Ananya Rao, Prashant.S and Saransh Vatsa respectively for first semester MCA students. Students were divided into teams of 2 members each and were made to speak about the topic for 3 minutes picked a chit from a box. A lot of technical and non-technical topics were written in chits and were mixed and put in a box.



April 10, 2023: Dr. Ch Ram Mohan Reddy, Prof & Head, signed Medha Tech Solutions MoU. Coordinators to execute the activities under this MoU: Mr. R V Raghavendra Rao and Mr. Siva Rama Krishna.

April 11, 2023: Placement Club, department of Computer Applications organized “Capture the Flag” activity. First semester MCA students were

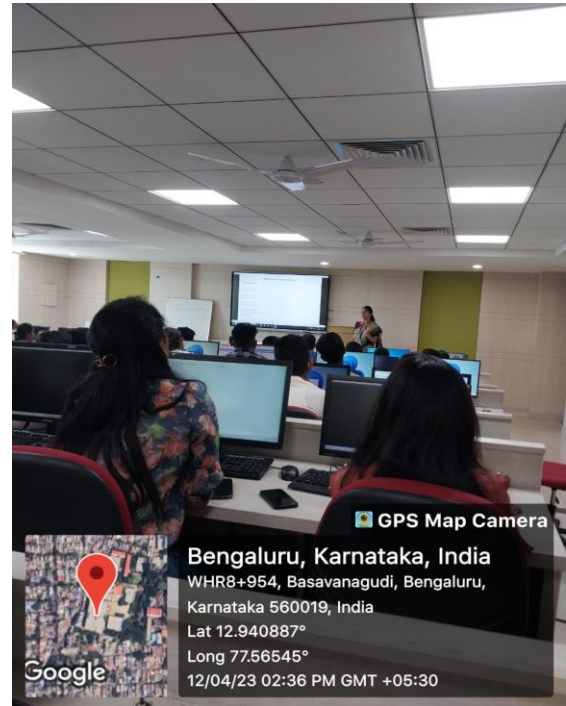


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divided into two teams. Each team tries to take the other team's flag/ item and get it back to their territory. If a player gets tagged by the other team in the opposing half of the playing field, that person gets sent to the holding area or "jail". The game ends when one team gets the other flag to their home base.



**April 12, 2023:** Dr. S. Uma, Associate Professor, Department of Computer Applications conducted a hands-on workshop titled "Introduction to Programming" for the students of I Semester MBA, BMSCE.



**April 13, 2023:** Vande Foundation, NGO conducted online activity on "Constituency Survey and Manifesto" for third semester MCA students to create a Manifesto by consolidating the responses.

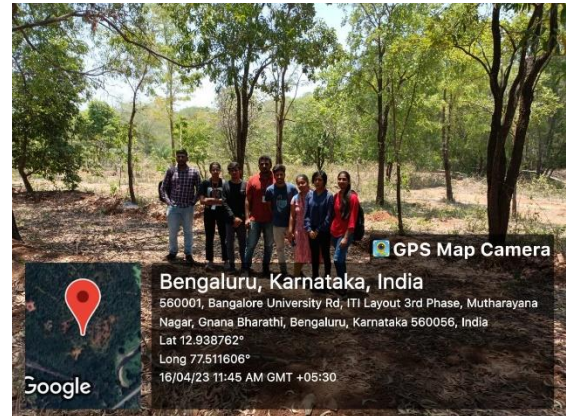
**April 13, 2023:** Placement Club, Department of Computer Applications conducted a session on debugging for first semester MCA students. During this, ten python programs were displayed on the projector having a lot of bugs and errors. Then students were expect to identify the bugs in stipulated amount of time. This event was executed by Rayan Bakshi, Ananya Rao, Prashant.S and Saransh Vatsa respectively.



# Smarana Manjusha – 2023

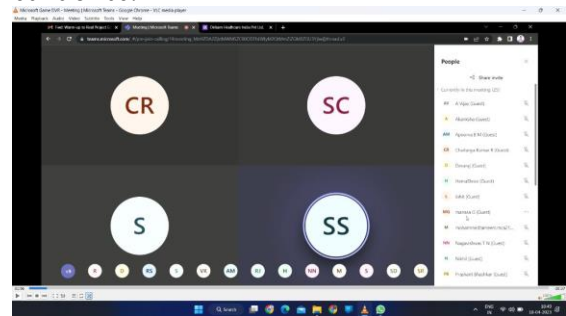


**April 16, 2023:** Students of third semester MCA participated in plantation drive-381, Green Sunday conducted by Adama Chetana Foundation along with the NSS Unit of BMSCE at Bengaluru University Campus, Behind NSS Bhavana, Bengaluru.



**April 15, 2023:** Dr. S. Uma, Associate Professor, Department of Computer Applications conducted a hands-on workshop titled “Introduction to Python” for the students of first Semester MBA, BMSCE.

**April 18, 2023:** S Shilpa, Assistant Professor facilitated an interaction with Mr. Sunil S (MCA Alumnus, 2003 Batch - BMS College of Engineering) from *Joules to Watts* regarding internship opportunities for third semester MCA students.

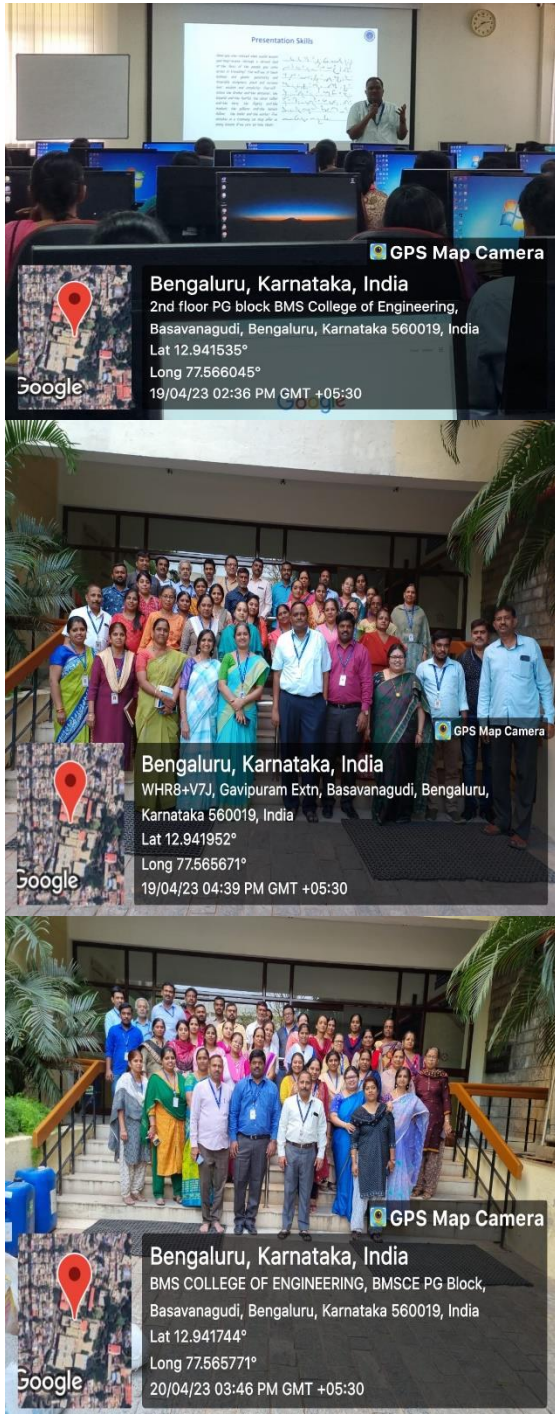


**April 19, 2023:** Department of Computer Applications organized a hands-on workshop on “Technical Stack” for non-teaching staff of BMSCE during April 19-20, 2023. This training program focused on office communication and Data Repository. Mr. G Srinivas, IQAC conveyed effectively how to write proceedings, minutes of the meetings, circular, notice, mail communication which are very much essential for office

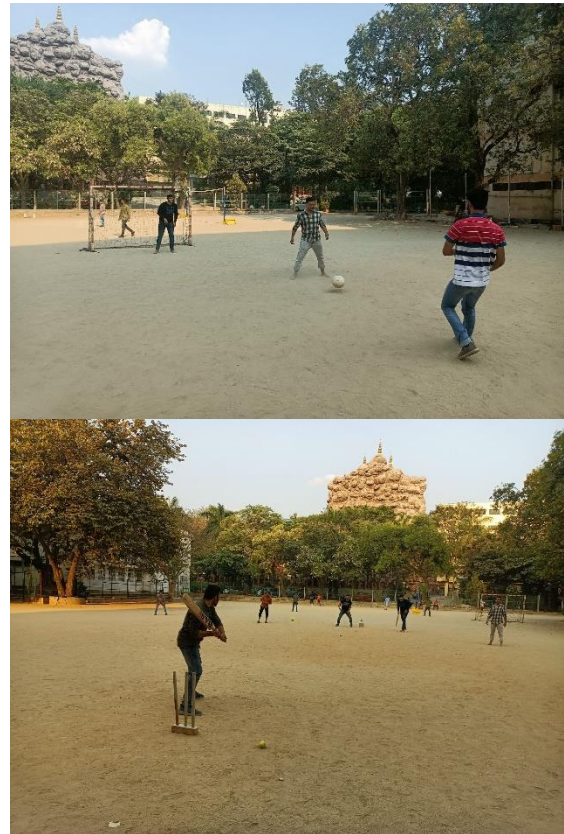


# Smarana Manjusha – 2023

communications. Smt. Shailaja K P had taken hands-on session on creating Google Doc, Form and sheet. Karyakramaha Sangraha – Data Repository of MCA department was demonstrated by Smt. Pushpa T S. Dr. B R Shambhavi, IQAC Chief Coordinator graced the event.



**April 20, 2023:** Cultural Club, Department of Computer Applications scheduled outdoor games Football and Cricket for first semester MCA students.



**April 21, 2023:** Dr. D N Sujatha, Professor, Department of Computer Applications delivered a talk on “Stay Relevant with IEEE” which was organized by Shri Govindram Seksariya Institute of Technology and Science, Indore in virtual mode.



**April 23, 2023:** Students of third semester MCA participated in plantation drive- 382<sup>th</sup> Green Sunday



# Smarana Manjusha – 2023

conducted by Adanya Chetana Foundation along with the NSS Unit of BMSCE at Bengaluru University Campus, Behind NSS Bhavana, Bengaluru.



**April 27, 2023:** Placement Club, Department of Computer Applications conducted a session on “Resume building and Public Speaking”. This session was handled by Rayan Bakshi, Ananya Rao, Prashant.S and Saransh Vatsa respectively.



**May 01, 2023:** Prof. M Siva Rama Krishna, Asst. Professor, Dept. of Computer Applications was invited as a Resource Person for Workshop on Cloud Computing as a part of TechXplore - A THREE Day Technical Fest Conducted by G Pullaiah College of Engineering and Technology, Kurnool, Andhrapradesh during 1<sup>st</sup> to 3<sup>rd</sup> of May.

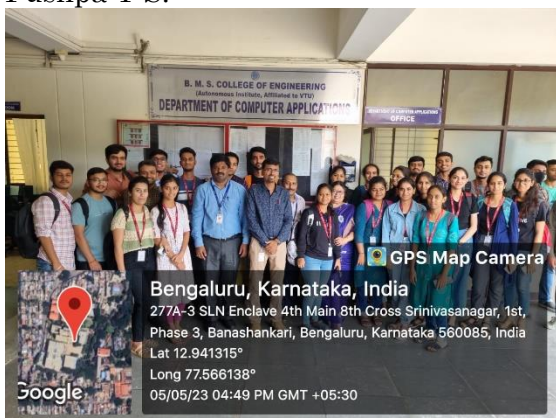




# Smarana Manjusha – 2023



**May 05, 2023:** Department of Computer Applications organized an invited talk on “Research Methodology and Techniques” by Dr. K Sainath, Assistant Professor, Dept. Chemical Engineering, BMSCE. Coordinators of this event are Prof. Lakshminarayana P & Prof. Pushpa T S.



**May 07, 2023:** Vande Foundation in association with Department of Computer Applications & NSS unit of BMSCE convened “Voter’s Awareness

Drive” in surroundings of Girinagar area.



**May 08, 2023:** B.M.S. College of Engineering Computer Applications department, Electoral Literacy Club, NSS in association with Vande Foundation steered “Voter Awareness Rally” in surroundings of Basavanagudi area.



**May 24, 2023:** Lakshminarayana P, Associate Professor, Dept. of Computer Applications was invited to participate in the conference titled “Role of Skill Development, Financial Inclusion & Social Entrapreneurship” in building Atmanirbhar Bharath held at 1947 Restaurant, Bengaluru from 10.30am to 6.30pm. Along with Lakshminarayana P, some of the first semester MCA students participated the event.





# Smarana Manjusha – 2023

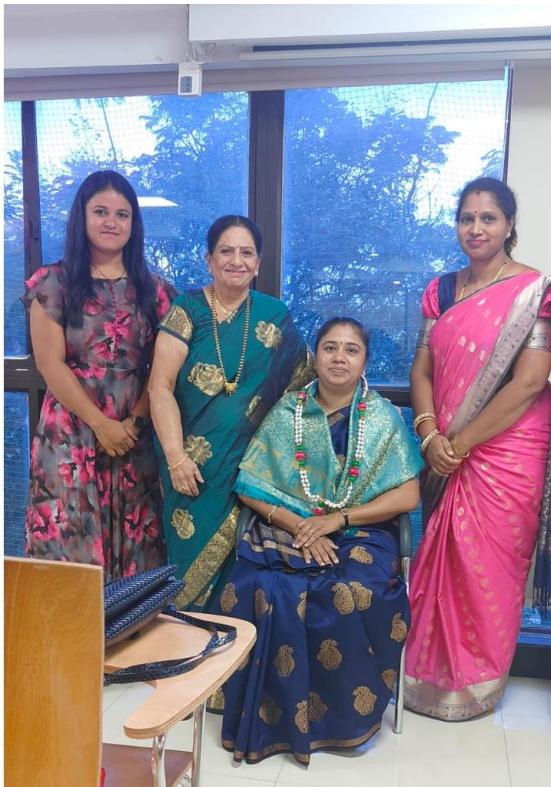


**May 29, 2023:** Dr. D N Sujatha, Professor, Department of Computer Applications was invited as a Chief Guest and a Jury member during Project Exhibition of *I2Conecct* at JNN College of Engineering, Shivamogga.



**May 27, 2023:** Prof. V Padmapriya, Assistant Professor, Department of Computer Applications was felicitated by HDFC Life for achievements in the field of education.

**May 31, 2023:** Dr. D N Sujatha, Professor, Department of Computer Applications was invited as a Chief Guest to inaugurate IEEE Computer Science Chapter and deliver a talk at Vemana Institute of Technology.





# Smarana Manjusha – 2023



**June 22, 2023:** Mrs. V.Padmapriya, faculty Department of Computer Applications & research scholar from the Department of Computer Science and Engineering, BMSCE defended her thesis titled "Security issues in Vehicular Ad Hoc Networks (VANET)". This work was carried under the guidance of Dr.D N Sujatha, Professor, Department of Computer Applications, BMSCE.



**June 24, 2023:** Department of Computer Applications & Samskruthi Sambhrama club of B.M.S. College of Engineering in association with Samskara Bharati, Bengaluru South District Committee, Karnataka organized "Sahitya Vidha Prastuti Ashtavadhana" at Auditorium 1, Platinum Jubilee Block, B.M.S. College of Engineering, Bengaluru. This event was coordinated by department of Computer Applications faculties- Pushpa T S, P Lakshminarayana & Dr. K P Lakshmi from department of Electronics and Communication Engineering along with Samskara Bharati volunteers.



**June 23, 2023:** Dr. D N Sujatha, Professor of BMSCE and Executive Director of BITES organized an industrial visit to **UR Rao Satellite Center, ISRO** as a part of BITES activity.





# Smarana Manjusha – 2023



**June 28, 2023:** Placement Club of Department of Computer applications conducted placement activity provided valuable insights into the interview processes of Nokia and NetApp. During this, it's emphasized the importance of technical proficiency, problem-solving skills, and preparation. Understanding core concepts, practicing coding, and being well-versed with resume content were crucial for success in these interviews. The session served as a beneficial learning experience for all participants, equipping them with the knowledge and guidance needed for their future job placements.

<p>ಸಂಸ್ಕಾರ ಭಾರತಿ ಕರ್ನಾಟಕ ಸೋಂ.</p> <p>ಬೆಂಗಳೂರು ದಕ್ಷಿಣ ಜಿಲ್ಲಾ ಸಮಿತಿ</p> <p>ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ Department of Computer Applications ಅವರ ಜೊಡುಗಟ್ಟಲೆ ಸಾಹಿತ್ಯ ವಿಧಾ ಪ್ರಸ್ತುತಿ</p> <p><b>ಅವ್ಯಾವಧಾನ</b></p> <p>ಶ್ರೀ ಶೋಭನಶ್ವರ ನಾಮ ಸಂವತ್ಸರ ಅಷಾಢ ಶುಕ್ಲ ಪಕ್ಷಿ ದಿನಾಂಕ: 24.06.2023, ಶನಿವಾರ ಸಂಜೆ 5.30 ಗಂಟೆಗೆ</p> <p>ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ AUDITORIUM 1, PLATINUM JUBILEE BLOCK ಬಸವನಗುಡಿ, ಬೆಂಗಳೂರು</p>	<p>ಉಪಸ್ಥಿತಿ</p> <p>ಡಾ. ಮೂರಳೇಶ್ವರ ಎಸ್ ವ್ಯಾಪ್ತಿಯಾದರು, ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ</p> <p>ಶ್ರೀ ಅನವರು ಅನಂತಶ್ವರ ಶರ್ಮ ಗೌರವಾನ್ವಿತರು, ಸಂಸ್ಕಾರ ಭಾರತಿ ಬೆಂಗಳೂರು ಮಹಾಸಂಘ</p> <p>ಶ್ರೀ ಬಾಬು ಸೀತಲಯ್ಯ ಅಧ್ಯಕ್ಷರು, ಸಂಸ್ಕಾರ ಭಾರತಿ ಬೆಂಗಳೂರು ದಕ್ಷಿಣ ಜಿಲ್ಲಾ ಸಮಿತಿ</p> <p>ಅವಧಾನಿ</p> <p>ಶ್ರೀ ಗಣೇಶ ಭಟ್ಟ ಕೊಪ್ಪಲಕೋಟೆ ಪ್ರಭುಗಳು</p> <p>ಸಮನ್ವಯಕರಣ- ಶಿವಾಜಿಯವರು ಡಾ. ಆರ್ ಗಣೇಶ್ ಅಪ್ರಮುಖ ಪ್ರಸಂಗ- ಶ್ರೀ ಕೆ.ವಿ.ಎಸ್ ರಾಮಚಂದ್ರ ನಿವೇದಾಳರ- ಶ್ರೀ ಸುವರ್ಣಾ ಮೂರಳೇಶ್ವರ ಆತ್ಮಜಿ- ಶ್ರೀಮತಿ ಕಾಂಚನಾ ಕರ್ಕಿ ಆತಿಥ್ಯ- ಶ್ರೀ ಶಶೀಲಾ ಬಿ ಎಸ್ ಅಭಿಮಾನಿ- ಶ್ರೀ ಶ್ರೀಶಂಕರ ಕಾರ್ಯದರ್ಶಿ- ಶ್ರೀ ಉಲ್ಲಾಸ ಪರಿವರ ಸಂಸ್ಕಾರಭಾರತಿ- ಶ್ರೀ ಚಂದ್ರಕೇಶವ್ ಕೆ.ಎನ್</p> <p>ಎಲ್ಲರಿಗೂ ಆದರದ ಸ್ವಾಗತ</p>
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**June 24, 2023:** Dr. D N Sujatha, Professor, Dept. of Computer Applications was presented Certificate of appreciation during 15 Years of IEEE ComSoc Bangalore Chapter celebrations for her professional commitment towards the growth of the Chapter as its Vice Chair during 2023.





# Smarana Manjusha – 2023



Faculty coordinators for various department activities during Jan-Dec 2022.

Cover Page designed by :  
Shashank S Matapathi (1BM16MCA38)

Compiled & Documented by :  
Pushpa T S

- **Dr. D N Sujatha**  
(IEEE, IEEE- WiE SB. ISRC, Euntrapreneurship Development Activities)
- **P Lakshminarayana, Siva Rama Krishna, Girish K**  
(Invited talks/ workshops/ Industrial Visits)
- **Girish K**  
(Euntrapreneurship Development Activities, Hackathon)
- **Pushpa T S**  
(Societal Activities)
- **Shailaja K P**  
(Phase Shift, Cultural Activities, Extra Curricular & CoCurricular)
- **R V Raghavendra Rao**  
(Placement Club Activities)
- **Shilpa S**  
(Phase Shift, Alumni Association, Cultural, Extra Curricular & CoCurricular Activities)