Message from Principal

Dr. Mohan Babu G.N.
Principal, BMSIT&M

It gives me immense pleasure to share my feelings with you on the occasion of the publication of the sixth volume's second issue of AGRATHA, a newsletter of the Department of Master of Computer Applications.

Remember that, today, all engineering problems, whether with social or industrial relevance call for interdisciplinary approach and team work. Technical competence alone is inadequate. Hence, the staff and students of the department should not leave any stone unturned to develop both technical and team competencies and attain excellence in their endeavour.

A superb alignment is seen among the goals of the Management, faculty, staff members and students of BMSITM. Management has been very magnanimous to support all our endeavours to provide a wholesome personality to students, and equip them with skills at par with international standards. Anyway, I am sure that the students and staff of the department have made use of this opportunity to test and hone their intellectual skills to reach a wider readership. I congratulate the editorial team for having put their best to bring out this outstanding piece of work.

Words from the Chief Editor

Dr. Aparna K.
Associate Professor & Head

It is indeed a great honour to be the Chief Editor of the MCA Newsletter AGRATHA and it is an immense pleasure to launch this edition for the period February 2019 to July 2019. This newsletter is a snapshot of various activities and enhancement of all those who are involved with Team MCA. This newsletter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us. Usually we fail to appreciate the good deeds of many people and activities that happen around us as we are engaged in irrelevant talks and assumptions. It could all change if we just pause to think of what is our contribution to the society from which we have been gifted with this blessed life. This newsletter will be a medium to provide proper acknowledgement and respect all of these efforts and its results.

This newsletter is a medium and will bridge the gap between achievements and publicity. Activities published in the newsletter are sufficient to prove my claim that Team MCA is progressing at an exponential rate. All credits and thanks go to the dedicated faculty members and their team work.

Signing of with a quotation "If you want to go fast, walk alone, if you want to go far, walk together".

BMS Educational Institutions

The year 1946 witnessed the dawn of the first private engineering college in the country, popularly known as BMS College of Engineering, established by late Sri. Bhusanayana Mukundadas Srinivasaiah (BMS). The founder Sri. B. M. Srinivasaiah was a philanthropist and a great visionary who realised the importance of technical education even before the country got independence. He was honoured by the Maharaja of Mysore, with the title "Dharma Prakasha" and "Rajakarya Prasaktha".

B.M.S. Institute of Technology & Management is affiliated to VTU, Belagavi. As a part of one of the ten institutions under BMS Educational Trust being managed by a council of trustees appointed by our beloved Smt. Dr. B. S. Ragini Narayan, the successor of Late Sri. B.S. Narayan and also the donor trustee and Member Secretary of BMS Educational Trust. It is emerging as one of the finest technical institutions, providing high quality academic instruction and innovation.

BMS Institute of Technology & Management

Vision
To emerge as one of the finest technical institutions of higher learning to develop professionals who are technically competent, ethical and environment friendly for betterment of the society

Mission
Accomplish stimulating learning environment through high quality academic instruction, innovation and industry-institute interface

BMS Institute of Technology & Management was established in the year 2002-03, is one of the ten educational institutions under the BMS Educational Trust recognized by AICTE, New-Delhi and affiliated to Visvesvaraya Technological University, Belgaum. The Institute offers 7 UG, 3 PG and 8 Research Programmes. As on 2018-19, approximately the number of faculty members with Ph.D. is 59, Ph.D. scholars are 104.

The Institute is located on an 18.5 acres campus in Avalahalli, Doddaballapur Main Road, Yelahanka, Bangalore-560064, with the salubrious climate of Bangalore and the serene greenery in the campus located away from the hustle and bustle of the city. The institution has grown in strength and is emerging as one of the best technical institutions in the country. Some of the companies with which the institute signed MOUs are KPIT, BOSCH, IBM and TEXAS Instruments.

BMSITM was honoured with Outstanding Engineering Institute-South by Vijayavani National Leadership Award.

BMSITM was honoured with Student Excellence award among private engineering institutes-South as per the analysis of Dataquest.

Department of Master of Computer Applications

Department Vision
To develop quality professionals in Computer Applications who can provide sustainable solutions to the societal and industrial needs

Department Mission
Facilitate effective learning environment through quality education, state-of-the-art facilities, and orientation towards research and entrepreneurial skills

Programme Educational Objectives (PEOs)
PEO 1 Develop innovative IT applications to meet industrial and societal needs.
PEO 2 Adapt themselves to the changing IT requirements through lifelong learning.
PEO 3 Exhibit leadership skills and advance in their chosen career.

Programme Outcomes (POs)
- Apply knowledge of computing fundamentals, computing specialization, mathematics and domain knowledge to provide IT solutions.
- Identify, analyse and solve IT problems using fundamental principles of mathematics and computing sciences.
- Design, develop and evaluate software solutions to meet societal and environmental concerns.
- Conduct investigations of complex problems using research-based knowledge and methods to provide valid conclusions.
- Select and apply appropriate techniques and modern tools for complex computing activities.
- Understand professional ethics, cyber regulations and responsibilities.
- Involve in life-long learning for continual development as an IT professional.
- Apply and demonstrate computing and management principles to manage projects in multidisciplinary environments by involving in different roles.
- Comprehend and write effective reports and make quality presentations.
- Understand the impact of IT solutions on socio-environmental issues.
- Work collaboratively as a member or leader in multidisciplinary teams.
- Identify potential business opportunities and innovate to create value for the society and seize that opportunity.

About the Department

The Department of MCA is accredited by the National Board of Accreditation, New Delhi.

The MCA program is intended to provide a modern industry-oriented education in applied computer science, thereby focusing on providing a sound theoretical background as well as good practical exposure to students in the relevant areas.

The MCA Department was established in the year 2003 with an approved intake of 60 students with an excellent Library and Laboratory facilities. It has 12 qualified, experienced and dedicated young teaching staff (03 Ph.D. holders and 09 are pursuing Ph.D.) and 2 technical staff members creating an amicable teaching and learning environment. The faculty members of the dept. have executed their responsibilities as coordinators/ members of the BOS/BOE in VTU, other universities and autonomous institutions as well as editorial board members / reviewers of international journals. The dept. has an aggregate of VTU examination result of nearly 90%, secured 11 VTU Ranks and placement of nearly 90% since its inception. The faculty members are involved in an array of research interests such as Wireless Networks (Cognitive, Ad-hoc and Sensor networks), Network security, Cloud Computing, E-Commerce, Data Science and Digital Image Processing among others. The Department of MCA is also recognized as VTU Research centre and several internal and external candidates are pursuing their Doctoral degree.

Department has organized series of Technical/Expert Talk, Workshops, Industrial Visits, Alumni Interaction, Parents Teachers Meeting, Project Based Learning Evaluation/Exhibition, and Technical Competitions to enrich the students from different perspectives and weekly counselling through effective proctoring system to support slow learners and boost quick learners.

Best Practices

The department offers electives in advanced subjects which has relevance in the industry. The department organized partial delivery of courses (PDC) by the industry experts as adjunct faculty for the several courses such as Web Programming, Advanced Java Programming and Software Testing with objectives of understanding industrial application of the core and current versions of the subjects.

Department of MCA has adopted several best practices as a part of its Teaching and Learning Processes (TLP) with OBE model such as PDC, Innovative Teaching and Co-operative Learning, Continuous Evaluation, offering Value Added Courses(VAC) to enhance student competency and make them industry ready, remedial/tutorial classes to enhance problem solving skills in critical subjects, rubrics based evaluation of seminars and project work, seminar on the topics beyond the syllabus by individual students, student-teacher joint paper publications, student/faculty internship to get exposed to contemporary skills/project works, deputing faculty members to participate in workshops/ conferences, presenting invited talks, participating as a resource person in conferences/workshops/symposiums, authoring technical books and project/problem based learning. Open short-term courses are offered at the beginning of every semester in contemporary technologies to make the students get foundational knowledge in the new technologies and make them get expertise on them throughout the semester by making them take up projects on the same.

Improvements

Data Analytics Lab has been offered as Value Added Course and the students of IV semester analysed 12 datasets to derive valuable conclusions from them. Assignments were given with higher Blooms Taxonomy. A 2-day hands-on workshop was conducted in association with CSI Student chapter with the intention to improve the employability of the students. Industrial visit to C-DAC was organized to help students learn about high-performance computing

Faculty and Support Staff

Department of MCA is having highly qualified and well-trained faculty members who strive to impart knowledge to the students who join MCA. The department is growing step by step with its experienced and enthusiastic staff. The staff and students are performing well in academics, cultural and sports activities throughout the year. Below is the list of faculty members and support staff with their qualification and other details.

Sl	Name	Qualification	Designation	Research Area
1	Dr. Aparna K.	M.C.A., M. Phil, Ph.D.	Associate Professor & Head	Data Mining
2	Dr. Arunkumar B.R.	MCA, M. Phil., M.Tech. (CSE), Ph.D. (CS), PGDIPR (NLSIU)	Professor	Computer Networks, Data Science, Cloud Computing, Software Engineering & IPR
3	Mr. Ganesh P.	M.C.A.	Associate Professor	Cloud Computing
4	Dr. Nagabhushan S.V.	M.C.A., Ph.D.	Assistant Professor	E-Commerce Modelling & Software Engineering.
5	Mr. Dwarakanath G.V.	M.C.A.	Assistant Professor	Computer Networks
6	Mr. Shivakumara T.	M.C.A.	Assistant Professor	Information & Network Security, Database
7	Mrs. Reshma C.R.	M.C.A.	Assistant Professor	Cognitive Radio Networks
8	Mrs. Drakshaveni G.	M.C.A, M. Tech.	Assistant Professor	Digital Image Processing
9	Mrs. Nirupama	M.C.A.	Assistant Professor	Computer Networks
10	Mrs. Sridevi M.	M.C.A.	Assistant Professor	Social Media Data Analytics
11	Mr. Venkatesh A.	M.C.A.	Assistant Professor	Sensor Networks
12	Mr. Sudarsanam P.	M.C.A, M. Tech.	Assistant Professor	Grid Computing

Technical Staff

Sl	Name	Designation
1	Mr.Shashikiran J.S.	Instructor
2	Mr.Murulidhara K.N.	Asst. Instructor

Professional Body Membership & Ph.D. Status Details

Sl	Faculty Name	Professional Membership Numbers	Ph. D. Status/ Research Guidance
1	Dr. Aparna K	CSI - LM00146827 ISTE - LM52361	Ph.D. Completed
2	Dr. Arunkumar BR	MCSI-00135953 ISTE-LM 45448 LM CRSI L/181 MIAENG MISRN LMIETE M 500221	Guiding 06 Ph.D. research scholars
3	Mr. P Ganesh	ISTE-LM52360	Thesis submitted
4	Dr. Nagabhushan SV	ORSI – Operation Research Society of India -1215/L/N/16	Ph.D. Completed
5	Mr. Dwarakanath GV	ISTE LM 44209	Registered
6	Mr. Shivakumara T	ISTE-LM92649, DSCI-2018	Comprehensive viva completed
7	Mrs. Reshma C R	ISTE, LM110654	Course work Completed
8	Mrs. Drakshveni G	CSTA	Course work Completed
9	Mrs. Nirupama	ISTE-LM93814 ISCA LM29016	Registered
10	Mrs. M Sridevi	ISTE LM 52363 ISCA L29017	Course work Completed
11	Mr. Venkatesh A	ISTE LM93723	Comprehensive viva completed
12	Mr. P Sudarsanam	ISTE LM93724	Thesis submitted

Research Initiatives in the department

- Several of the VI sem projects were based on Research work and were implemented in the Department.
- Two such projects are published in Scopus indexed journals.
- A number of projects were developed based on the concept of IoT and several of them won Best Project prizes in the Open day event.
- A few other projects are submitted for publication in indexed conferences and journals.
- Organized Samshodhana Samvaada to share the knowledge within the faculty members of the department.
- Faculty members are encouraged to do internship in renowned industry/ research institutions.

Innovative teaching learning methods adopted

- **Flipped classes** to spend more time on discussing the concepts in the class that requires students coming to the class with prior preparation of the concept – Mr. P.Ganesh in Cloud Computing.
- **Switched Classes** to know the impact of teaching and understand it from the student perspective – Ms. M.Sridevi in Big Data Analytics.
- **Cognitive concept reminders** to avoid confusion between the similar concepts and elaborate the key words to present the concept efficiently - Ms.M.Sridevi for the course Big Data Analytics.

Collaborative/Cooperative learning methods adopted

- **Open Ended problems** – Dr. Aparna K had given open ended problems to be solved and executed in the Data Structures Laboratory. This has helped students to involve in self-learning.
- **Case Study based learning** – All faculty members are involved in discussing case study questions and innovative questions. This leads to inquisitive thinking in the minds of students.
- **Recap of completed chapters** by the students - Dr. Aparna K. for the subject Data Structures using C++. This helped students to connect with what has been done in the previous classes.
- **Quiz –** Ms. M.Sridevi for the course Big Data Analytics.
- **Project Based Learning** problems given to students by all the faculty members in topics related to the subjects but outside the syllabus and which serves as Value addition to the knowledge gained through the courses. IV sem students have worked on 12 datasets to perform analysis and derive valid conclusions from them.

Action plan for Slow Learners and Quick Learners

Action plan has been framed through enriching classes for quick learners to sustain their performance and do even better and extra classes for slow learners to keep pace with the quick learners. Slow learners who have scored less than 60% in IA marks were given remedial inputs, study materials and references.

Back to Basics Program

Designed to make a structured delivery of bridge courses to bring the students that would be admitted into MCA from diversified streams into the main stream of the program.

Department Advisory Board

The Department Advisory Board (2016-2019) formation was finalized in July, 2016 with the following members to meet at regular intervals to deliberate on various aspects such as current curriculum of the program, programme outcomes, curriculum gap, bridging the gap between academia and industry expectations, new Value-Added Courses to be introduced, research initiatives, joint collaborations to progress in research and consultancy.

Sl	Name	Address	Designation
1	Dr. Arunkumar B R	Professor, Department of MCA, BMSIT&M	Chairman
2	Dr. Dinesha	Professor, IIITB, Bengaluru	Member (Academia)
3	Dr. Hanumanthappa M	Professor and Chairman, Department of Computer Science & Applications, Bangalore University, Bangalore.	Member (Academia)

4	Dr. Deepak D'Souza	Assistant Professor, Dept. of Computer Science & Automation, Indian Institute of Science, Bangalore.	Member (Research)
5	Dr. Rajan M A	Research Scientist Innovation Labs, Tata Consultancy Services, Bengaluru	Member (Research)
6	Mr. Mahabalesha C	Senior Technical Lead, TCS, Bengaluru	Member (Industry)
7	Dr. Ramsuri Narayanam	Research Scientist, IBM Research	Member (Research)
8	Mr. Jagannath	Parent	Member
9	Mr. P Ganesh	Associate Professor, Dept. of MCA, BMSIT&M	Member (Faculty)
10	Dr. Aparna K.	Associate Professor, Programme Accreditation Coordinator, Dept. of MCA, BMSIT&M	Member (Faculty)
11	Mr. Bikram Panjikar	Alumni & Entrepreneur, Technical Lead - ABB	Member (Alumni)

Staff Recognition

- Dr. Aparna K, Assoc. Prof & HoD, MCA, was invited as a Session Chair for the National Conference on Emerging Trends in Engineering Technology and Applied Research – 2019 held at MS Engineering College on 17th May, 2019. She also worked as a member of the review board of the same.
- Dr.Arunkumar B.R., Professor, Dept. of MCA is appointed as a reviewer for Elsevier International Journal of Engineering Science and Technology
- Dr.Arunkumar B.R., Professor, Dept. of MCA was appointed as a member of the Editorial Board by the Global Research and Development (GRD) Journals.
- Dr.Arunkumar B.R., Professor, Dept. of MCA was appointed as the BoE, Dept. of MCA, SIT, Tumkur
- Dr.Arunkumar B.R., Professor, Dept. of MCA worked as an active member of NCETAR-'19 Review Board for paper presentation session during the National Conference on Emerging Trends in Engineering Technology and Applied Research – 2019 organized by the M.S.Engineering College, Bengaluru on 17th May, 2019.
- Dr. Arunkumar B.R., Professor, Dept. of MCA has been appointed as TPC member to review research papers from RNSIT, Bengaluru, for the 2nd International Conference on Research in Business Management and Information Technology (ICRBIT-'19) scheduled to held on 25th and 26th of April, 2019.
- Dr. Arunkumar B.R., Professor, Dept. of MCA reviewed Journal of Engineering which is Thompson Reuters indexed in the month of March 2019.
- Dr. Arunkumar B.R., Professor, Dept. of MCA participated as a session chair in the International Conference Anveshana 2019 – Scopus Indexed, organized by Christ Academy for Advanced Studies affiliated to BU on 8th March, 2019.

Dr.Arunkumar B R receiving appreciation

- Dr. Arunkumar B.R., Professor, Dept. of MCA is appointed by the Principal, DSCE to mentor the research progress and has attended Doctoral committee review meeting of the research scholar Ms.Suma of VTU- RC,DSCE, Kumarswamy Layout, Bangalore on 25-3-2019.

Invited Talks delivered by faculty of the MCA outside BMSIT&M

- Mr.Shivakumara T, Asst. Professor, Dept. of MCA delivered a guest lecture on "Database design theory and methodology – Normalization Concepts" at Bishop Cotton Academy and Professional Management College for BCA students on 14th Feb, 2019.

Mr.Shivakumara T. delivering the lecture

Open Short-Term Course:

- Dept. of MCA offered open short-term course on "Linux Programming & Security Implementation" for 5 days from 12th to 16th Feb, 2019. Mr. Raghavendra T, Associate Software Engineer, Fidelity, Bangalore (Alumni of MCA, BMSIT&M) has delivered sessions on Linux Development Environment, Automated Build Process, setting-up UNIX OS web browser , configuring MYSQL & MongoDB with DBA security, load balancing and monitoring system. Mr. P SUDARSANAM, Assistant Professor, Department of MCA, has delivered lectures and hands-on sessions on Linux Programming, basic commands, shell programming, AWK Programming, and DNS server configuration. Mr. VENKATESH A, Assistant Professor, Department of MCA covered pattern matching, command substitution, server related scripting language and examples. The students 47 in number who participated in the course were assessed based on the topics covered.

Mr.Raghavendra during the lecture

Mr.Sudarsanam P interacting with the students

Mr.Venkatesh A during the hands-on session

Participants of the Open Short Term Course

- Dept. of MCA offered open short-term course on "Simulation of real-time problems using Matlab and Scilab" for 5 days from 12th to 16th Feb, 2019. Ms. Drakshaveni G, Assistant Professor, Department of MCA delivered lectures and hands-on sessions on Matlab environment, fundamental operations in Matlab and creating script files. She also introduced to image processing tools, plotting the graph using Matlab, image contrast, resize, crop and other operations. Ms. Reshma C R, Assistant Professor, Department of MCA, delivered a lecture on introduction to SCILAB, and hands-on sessions on Scilab, declaring variables, matrices and solving matrix problems, invoking the functions, plotting 2D and 3D graphs etc. The students were assessed based on the topics covered in the open short term course and their feedback was taken to improve the program further. Total of 9 students from MCA department attended the course.
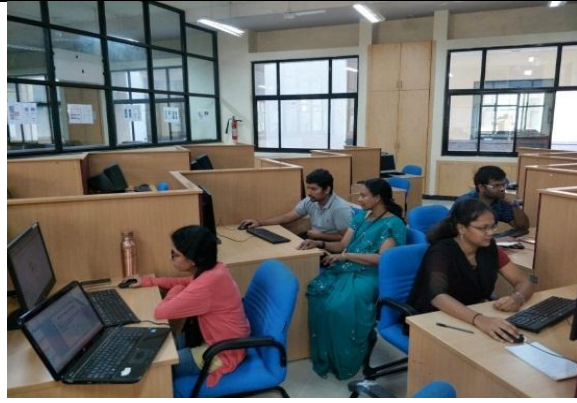
Ms.Drakshaveni in the hands-on session

Resource persons with the participants
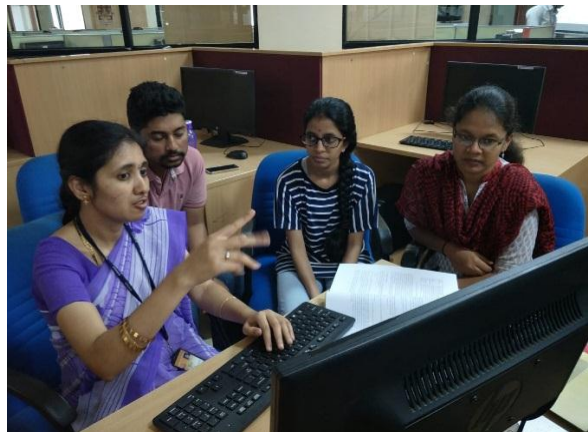
Ms.Reshma C.R. explaining the students about Scilab

Participants of the open short term course

Invited Talks delivered by faculty of the MCA within BMSIT&M

Samshodhana Samvaada

The department has organized research discussion under the title **"Samshodhana Samvaada"**. This event provides a platform for all the faculty members to share their knowledge and deliberate on their area of research. The faculty members have given presentation on the following topics:

Sl. No.	Faculty	Topic
1	P Ganesh	Big Data Analytics with Hadoop
2	Shivakumara T	Cyber Security Domain Awareness: Data Privacy & Precautions
3	Reshma CR	Social Media
4	Drakshaveni G	Test Generation from Predicate
5	Nirupama	Various Social Media Platforms
6	Sridevi M	Social Networks

Research Papers published in International Journals:

- Dr.Aparna K. published a paper titled "Evolutionary Computing Based Hybrid Bisecting Clustering Algorithm for Multidimensional Data" in the journal by Indian Academy of Sciences, Sādhanā (2019) 44: 45, Volume 44, Issue 2, February 2019, pp: 1-9. DOI: https://doi.org/10.1007/s12046-018-1011-y, Print ISSN: 0256-2499, Online ISSN: 0973-

7677 URL: https://link.springer.com/article/10.1007%2Fs12046-018-1011-y Springer and Scopus indexed unpaid journal; Impact factor 0.6.

- Ms.Drakshaveni G. published a research paper titled "Analysis of various colour image model with Thermogram Image Technique for medical images" in the International Journal of Research in Electronics and Computer Engineering (IJRECE), vol. 5, issue. 1, ISSN 23482281, 10-04-2019, UGC approved Journal ,http://www.i2or-ijrece.com/vol.-7-issue-1--version-6-.html

- Mr.Sudarsanam P. published a paper entitled "Location Oriented Android Discount Tracker" in the Journal of Computational Information Systems (UGC Approved), ISSN: 1553-9105, Issue-2, Volume 15, Page No. 15-21, April 2019.

Research Papers presented in the International Conferences:

- M.Sridevi, Asst. Professor, and Dr.Arunkumar B.R., Professor, Dept. of MCA, presented a paper titled "Investigation of the temporal Evolution in Patient Networks related to Chronic Diseases on Social Media" in the International Conference on Intelligent Computing, Information and Control Systems (ICICCS 2019) held on 27th and 28th June, 2019 at Malla Reddy College of Engineering, Secunderabad and proceedings published by Scopus-Indexed Springer "Lecture Notes in Control and Information Sciences."

- Mr.Venkatesh A guided the students Ajay Reddy and Nayana of second semester MCA in presenting a paper titled "Platform as a Business Model" in National Conference held at AIMS Bangalore on 18th May, 2019.

Faculty Participation in Workshops:

- Ms.Drakshaveni G and Mr.Shivakumara T., Asst. Professors attended one day workshop on "Thesis writing methodology as per VTU regulations" at NMIT, Bengaluru on 23rd January 2019

- Mr.Shivakumara T attended a 2 days "Cyber Security" workshop organized at Acharya Institute of Technology, Soladevanahlli, Bangalore in association with SkillRary Software and Training Company, Bangalore.

Expert Talks Organized by the Dept.:

- An expert talk was organized on 2nd March 2019. Mr. Anantha Padmanabha A G, Project Assistant, Psychiatry Project wing, NIMHANS, Bengaluru, spoke on "Embedded Systems Design and Development".

- An expert talk by Mr. Charles Boicey, CIO, Clearsense, LLC, USA and Mr.Shivappa P., Co-Founder, eLogicSquare, Bengaluru on "Data Analytics in Healthcare" was organized on 20th March 2019.

| **Mr.Ananth Padmanabha interacting with the students** | **Mr.Charles Boicey delivering the talk** |

	Workshops organized by the Department:
1	The Department of MCA organized 2-days workshop on "Network Simulation using NS2"under the banner of CSI Student Chapter on 22nd and 23rd March 2019.

Faculty Achievements:

- Dr. Aparna K, Assoc. Prof. & HoD, MCA was awarded PhD degree in the 18th VTU Convocation held on 18th March 2019 at VTU, Belagavi.

Dr.Aparna K receiving the degree

- Dr.Arunkumar B.R., Professor, Dept. of MCA obtained IIT- Madras certification in NPTEL 4-weeks online course "Managing Intellectual Property in Universities" by scoring 90% with Gold Medal during January-February, 2019.

Certificate of Dr.Arunkumar B.R.

- Ms. M.Sridevi, Asst. Professor, Dept. of MCA obtained IIT- Madras certification in NPTEL 8-weeks online course "Data Science for Engineers" by scoring 70% with Elite tag during January-March, 2019.

Certificate of Ms.M.Sridevi

- Mr. Shivakumara T., Asst. Professor, Dept. of MCA contributed as a reviewer for the Global Research and Development (GRD) Journals.
- Mr. Shivakumara T., Asst. Professor, Dept. of MCA obtained IIT- Madras certification in NPTEL 8-weeks online course "Data Science for Engineers" by scoring 42% during January-March, 2019.
- Mr. Shivakumara T., Asst. Professor, Dept. of MCA got 2nd place in Men's Badminton above 40 years category.
- Mr.Shivakumara T, Asst. Professor, Dept. of MCA won I place in Caroms in the age group 40 & above during the Staff Sports Meet -2018-19.

Certificate of Mr.Shivakumara T.

- Dr. Aparna K, Assoc. Prof & HoD, MCA, has qualified in NPTEL Certification course titled "Descriptive Statistics with R" with a score of 89% (Elite tag and Silver medal) offered by IIT, Kanpur.

Certificate of Dr. Aparna K.

Faculty Internship Details:

Sl. no	Name	Internship venue	Date from - to
1	Dr. Aparna K.	Legitwise Technologies	19th – 29th June, 2019
2	Dr. Arunkumar B.R.	Elogic Square Analytics Pvt. Ltd.	10th – 15th June, 2019
3	Mr. Ganesh P.	Legitwise Technologies	10th June – 12th July, 2019 (with break)
4	Mr. Shivakumara T.	Active Matrix	1st – 13th July, 2019
5	Mrs. Reshma C.R.	Exzen Robotics	1st – 11th July, 2019
6	Mrs. Sridevi M	Elogic Square Analytics Pvt. Ltd.	3rd – 15th June, 2019
7	Mr. Venkatesh A.	Key Skills Hub	1st – 11th July, 2019
8	Mr. Sudarsanam P.	XPIO Technologies	18th June-5th July, 2019 (with break)

Partial Delivery of courses:

PDC was conducted on Operating System(18MCA25) for the students of II semester MCA on 18th May, 2019. Mr. Vasuki MS, System Engineer, Cerner Corporation, Bengaluru delivered the sessions. Topics related to Linux case study were covered in the PDC.

Mr.Vasuki delivering the lecture

Parent-Teacher Meet

- Parents – Teachers Meet was organized by the Department of MCA on 23rd March, 2019 to discuss the performance of their wards in the current semester. At the outset, the HOD of the Department, Dr. Aparna K, welcomed all the parents. All the faculty members including Class Coordinators of IV sem and VI sem and Proctors of all students were present for the meet. The faculty members interacted with the parents about their ward's attendance status and internal marks.

Dr. Aparna K, HoD, MCA, interacting with Parents

- Parents – Teachers Meet was organized by the Department of MCA on 27th April, 2019 to discuss the performance of their wards in the current semester. At the outset, the HOD of the Department, Dr. Aparna K, welcomed all the parents. All the faculty members including Class Coordinator of II sem and proctors of all students were present for the meet. The faculty members interacted with the parents about their ward's attendance status and internal marks.

Faculty members interacting with Parents

Industry – Institute Interaction:

- The Department of MCA of BMS Institute of Technology & Management, had organized a one day Industrial visit to C-DAC (Centre for Development of Advanced Computing), on 16th April, 2019 for 2nd and 4th semester MCA students, located at Old Madras Road, Bayappanahalli, Bengaluru – 560 038. Dr. Aparna K, Head of the Department, along with Prof. P Ganesh and Prof. Shivakumara T, have accompanied the students for the visit. The objective of the visit was to create awareness on the various activities related to super-computing facilities at C-DAC.

Faculty members and students at the C-DAC campus

- Two alumni of our Dept. of MCA, Mr. Alok Kumar, and Ms. Sweety Ladia (2015-18) interacted with MCA students on 9th March 2019 about "4G Networking – Industry perspective". They are currently working as Applied R&D Engineer in Nokia Solutions and Networking, Bengaluru.
- Alumnus of ECE Dept. of MCA, Ms. Jyothi C (2012-16 batch), working currently as Security Analyst at SISA Information Security, Bengaluru, interacted with MCA students on 16th March 2019 about "4G Networking – Industry perspective".

| **Mr. Alok interacting with students** | **Ms. Jyothi interacting with the students** |

Even Semester 2019 – Toppers

II SEM	IV SEM	VI SEM
Sahdev Kumar Gupta **1BY18MCA24** **8.96 (SGPA)**	**Lavanya V** **1BY17MCA11** **8.68 (SGPA)**	**Kruthika C** **1BY16MCA21** **10 (SGPA)**

Open Day

The Open Day (Project Exhibition) was conducted at the Dept. of MCA which received a huge participation from the students of IV Semester and VI Semester MCA. IV Semester projects were carried on using various technologies like Block Chain, Cryptography and Network Security, Data Analytics and Data Mining. VI Semester projects were developed on various platforms like IoT, Android, Data Mining etc. Total 37 projects were evaluated by the judges Mr. Bipin Mishra, Principal Engineer, DELL, Bengaluru, Dr.Asha, Professor, Dept. of MCA, SIT, Tumkur, and Mr. Raghuram, CEO, Legitwise Technologies Pvt. Ltd., Bengaluru.

Guests lighting the lamp

Dignitaries on the Dias
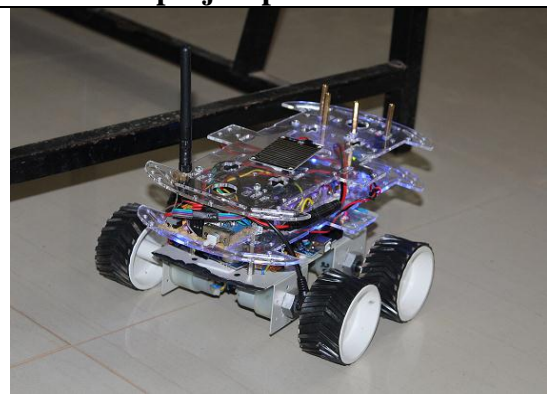

HoD's welcome to the guest

Judges evaluating the IV Semester projects

Dr.Asha listening to the VI Semester project presentation

Student demonstrating the project to the Principal

Multifunction Smart Bot designed and developed by the student

Smart Dust Bin project being presented to the Principal	Participants of the Open Day

The prize winners are as follows:

IV Semester

S.No.	USN	Name	Project Title	Marks Scored (Max.25)	Place
1	1BY17MCA18 1BY17MCA22	Rohith Sarika	Block chain technology for Land Registration	24	I
2	1BY18MCA54 1BY18MCA70	Apurva Vasist Mamtha	Gun Violence Dataset Analysis and Visualization	22	II

VI Semester

S.No.	USN	Name	Project Title	Marks Scored (Max.25)	Place
1	1BY16MCA52	Vishaar G.N.	Multifunction Smart Bot	23	I
2	1BY16MCA35	Rahul M.	Raitha Bandhu Android App	22	II

Placement Details

S.No.	USN	Name	Recruiter
1	1BY16MCA06	Bhakti C K	Moolya Software
2	1BY16MCA16	Janice Fernandes	K12 Techno
3	1BY17MCA84	Suvarna Kumar N	K12 Techno

<u>Memorable Moments</u>

- Dept. of MCA organised Farewell Function for the outgoing batch of 2019 on 1st June, 2019.

Group photo of the 2016-19 batch students with the faculty members

- The Department of MCA has bagged 2 ranks at the University level for the batch 2015-18.

| **Ms. Sweety Ladia – 4th Rank** **(1BY15MCA46)** | **Mr. Raj Niranjan – 7th Rank** **(1BY15MCA34)** |

Points to Ponder

- **Be educated. Be entertained. But NEVER confuse one for the other.**

- **If you think it's hard to fill in someone's shoes, try just being yourself.**

- **Making money is good. Making meaning is better. Making meaning while making money is the best!**

- **You can never change what happened but you can ALWAYS change how you look at what happened.**

- **Not having an opportunity to sing is a small problem compared to not having a song to sing.**