



**BMS INSTITUTE OF TECHNOLOGY AND
MANAGEMENT**

Avalahalli, Doddaballapur Main Road, Bengaluru - 560064

DEPARTMENT OF MCA

AGRATHA

MCA NEWSLETTER

Vol.7, Issue 1, August 2019 to January 2020



Jnyaana-Vijnyaana-Ruupaayai Jnyaana-Muurte Namoh Namah |
Naanaa-Shaastra-Svaruupaayai Naanaa-Ruupoh Namoh Namah ||



DEPARTMENT OF MCA
BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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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 August 2019 to January 2020. 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 off 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 (04 Ph.D. holders and 08 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**

Software Testing was offered as one of the elective for III sem students. A complete hands-on training on Selenium Testing was provided to students to bridge the curriculum gap and give them an insight into to automation testing. This was offered as a Value Added Course in collaboration with PAAGC Digital Academy.

Industrial visit to Apsis solutions was organized to help students learn about IoT projects.

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	Dr. 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	
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	Dr. P Ganesh	ISTE-LM52360	
4	Dr. Nagabhushan SV	ORSI – Operation Research Society of India -1215/L/N/16	
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	Comprehensive viva Completed
8	Mrs. Drakshveni G	CSTA	Comprehensive viva Completed
9	Mrs. Nirupama	ISTE-LM93814 ISCA LM29016	Registered
10	Mrs. M Sridevi	ISTE LM 52363 ISCA L29017	Comprehensive viva Completed
11	Mr. Venkatesh A	ISTE LM93723	Comprehensive viva completed
12	Mr. P Sudarsanam	ISTE LM93724	Thesis submitted

Research Initiatives in the department

- Most of the 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.
- Faculty members are encouraged to do internship in renowned industry/ research institutions.

Innovative teaching learning methods adopted

- Surprise tests were conducted during the regular class hours to enable the students to realize where they stand in terms of their performance – **Dr. Aparna K in Optimization Techniques.**
- MCQs were conducted in Unix Programming for I sem students. – **Dr. P Ganesh**
- **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 DBMS

**Collaborative/Cooperative learning methods adopted**

- **Open Ended problems** – Mr. Sudarsanam had given open ended problems to be solved and executed in the ADA 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 Computer Organization. This helped students to connect with what has been done in the previous classes.
- **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.

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.

Department Advisory Board

4th Department Advisory Board Meeting was held in the Dept. of MCA on 31st Aug, 2019 constituting Head of the Department, Program Coordinator, Academic representatives, Industry representatives and representatives of other stake holders.

Sl. No	Name	Designation/ Organization	DAB Representative As
1	Dr. Aparna K	Associate Professor & HoD Department of MCA BMSIT&M	Chairperson
2	Dr. Arunkumar B R	Professor Department of MCA, BMSIT&M	Faculty Member (Member)
3	Ms. Vidyavati Mallappa	Technical Leader Nokia Networks, Bengaluru	Research (Member)
4	Dr. Nithin Nagaraj	Associate Professor NIAS, Bengaluru	Academia (Member)
5	Mr. Mayank Pratap Singh	Senior System Engineer IBM India Pvt. Ltd. Bengaluru	Industry (Member)
6	Mr. Aride C	Member of Technical Staff Paypal Bengaluru	Alumnus (Member)
7	Sri T N Nagaraj	Business	Parent (Member)
8	Ms. Apoorva H A	III Sem MCA USN: 1BY18MCA06	Student (Member)
9	Dr. P. Ganesh	Program Coordinator Associate Professor Dept. of MCA, BMSIT&M	Member Secretary



HoD presenting the progress and compliance steps since the last meeting

Staff Recognition

- Dr. Aparna K, Associate Professor & HoD, Department of MCA, was invited as a session chair at the Multi-Disciplinary International Conference on Trends in Global Research in Information Technology and their Impacts on Environment organized by Sri Jagadguru Renukacharya College of Science, Arts and Commerce, Bengaluru, on 4th August 2019.



Dr. Aparna K being felicitated by Chief Guest from Zambia

- Dr. Arunkumar B R, Professor, Dept. of MCA, was appointed as the member of editorial board by HBRP Publication Pvt. Ltd.
- Ms. M. Sridevi, Asst. Professor, Dept. of MCA was appointed as the member of BoE, Dept. of MCA, VTU, Belagavi.
- Mr. Shivakumara T, Asst. Professor, Dept. of MCA received appreciation from Ramaiah Indic Speciality Ayurveda Restoration Hospital (RISA) for organizing an Ayurveda Medical Camp on 27th September, 2019 at the BMSITM campus.
- Dr. Arunkumar B R, Professor, Dept. of MCA and Chairman, BOS - MCA conducted BOS meeting on 18-12-2019 at VTU RO, Nagarabhavi, Bengaluru with an agenda to revise VTU MCA 2018 syllabus.



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

- Dr. Aparna K, Associate Professor & HoD, Department of MCA, was invited to deliver a key note address at the Multi-Disciplinary International Conference on Trends in Global Research in Information Technology and their Impacts on Environment organized by Sri Jagadguru Renukacharya College of Science, Arts and Commerce, Bengaluru, on 4th August 2019.
- Nirupama B K, Asst. Professor, Department of MCA has extended her support as resource person for 15 employees of Sidhi Vinayaka constructions on “Usage of MS PowerPoint”, on 27th November, 2019 at Bidar.
- Ms.M.Sridevi, Asst. Professor, Dept. of MCA has extended her support as resource person for the corporate training program conducted on “Mathematics for Data Science” at Larsen & Toubro, Powai, Mumbai on 2nd and 3rd January, 2020.



- Mr Dwarakanath G V, Asst. Professor, Dept. of MCA has extended his support as resource person for the AICTE sponsored FDP on “Python for Data Science” organized by the Dept. of CSE, RYMEC, Ballari on 20th January, 2020.





Invited Talks delivered by faculty of the MCA

- Dr.Arunkumar B.R., Professor, Dept. of MCA has delivered an expert talk on “Effective Teaching Learning Process for Successful Implementation of OBE” to the faculty members of the Dept. of MCA, Bangalore Institute of Technology, Bengaluru on 8th September, 2019.
- Mr.Shivakumara T, Asst. Professor was invited as a resource Person for five day Open Short Term Course on “Hands on approach to Cyber Security and Cyber forensics ” organized by Department of Information Science and Engineering” on 24th October, 2019 at BMSITM, Bengaluru.
- Mr.Shivakumara T, Asst. Professor was invited as a resource Person for five day Open Short Term Course on “Cyber Security with Blockchain Technology” organized by Department of Computer Science and Engineering” on 22nd October, 2019 at BMSITM, Bengaluru.
- Ms. M.Sridevi, Asst. Professor, Dept. of MCA has extended her support as resource person for the 5 days FDP on “Data Analytics – A Practical Approach” organized by the Dept. of ISE, BMSITM, Bengaluru from 27th to 31st January, 2020.



- Shivakumara T, Assistant Professor, Dept. of MCA has extended his support as resource person on “Awareness on Drinking Water and Healthy Life”, on 14th January, 2020 at Cambridge Institute of Technology – North Campus, Bangalore.
- Shivakumara T, Assistant Professor, MCA has extended his support as resource person and delivered series of talks on “Awareness on Cyber safe Karnataka” Session-1 on 27th January, 2020 at Kottureswara Degree College, Kottur, Session-2 on 27th January, 2020 at Vidya Vikas English and Kannada Medium School, Nayakanahatti, Chitradurga District, Session-3 on 28th January, 2020 at Gurudeva Kannada and English Medium High School, Kottur, Session-4 on 28th January, 2020 at Taralabalu English Medium Primary and High School, Kottur, Session-5 on 29th January, 2020 at SVSB, SSG and SGG School, Nagarakatte, Kottur Taluk, and Session-6 on 29th January, 2020 at Jnana Sudha Higher Primary School, Kottur.



Open Short-Term Course:

Two 5-day Open Short term courses namely “Data Analytics Visualization using Python and R with Case Studies” conducted by Dr. Aparna K and Ms. M.Sridevi, and “IoT with Raspberry PI, Arduino and PIC Kit” conducted by Mr.Dwarakanath G.V. and industry resource person were organized at the Department of MCA during 22nd and 26th Oct 2019. A total of 129 students registered for the courses. More than 70% of the sessions were hands-on and the students enjoyed learning the new concepts.



Dr.Aparna. K, Assoc. Prof. & HoD, delivering lecture on R



Ms.M.Sridevi delivering hands-on session on Satellite Image analysis



Mr.Dwarakanath handling sessions of IoT

Research Papers published in International Journals:

- Drakshaveni G, Asst. Professor, published a paper in International Journal of Engineering Research and Application with the paper title “Multifunction Smart-Bot Using Arduino” ISSN : 2248-9622 Vol. 9, Issue 12 (Series -II) December 2019, pp 01-05 with impact factor 2.737.



Research Papers presented in the International Magazines:

- Dr. Aparna K, Associate Professor & HoD, Department of MCA has published an article titled “Basics of Blockchain” in the CSI Communications Magazine (August 2019 issue). The article can be viewed online at http://csi-india.org/Communications/CSIC_AUG_2019.pdf

Faculty Participation in Workshops:

- Ms.Reshma C R, Asst. Professor, Dept. of MCA attended FDP on “Applied Mathematics in Engineering” from 29th July 2019-2nd August, 2019 organised by the Dept. of Mathematics, BMSITM, Bengaluru.
- Dr.Arunkumar B.R., Professor, Ms.Sridevi, Asst. Professor, and Ms.Reshma C.R., Asst. Professor, Mr. Shivakumara T, Asst. Professor, Dept. of MCA, have participated in one day national level workshop on “Cyber Privacy and Security Engineering” held at the BMS Institute of Technology and Management, Bengaluru on 12th October, 2019.

Expert Talks Organized by the Dept.:

- Dept. of MCA organized an expert talk by Mr. Chandrakanth V, Design Engineer, Apsis Solutions, Bengaluru on the topic “Internet of Things – Hands on” for students of MCA on 2nd November, 2019.



- An expert talk was organized by the Department of MCA on 17th August 2019. Mr. Ajeet Kumar Yadav, Senior Technical Lead from Wipro, addressed the students on “Software Project Management and Integration Tools”.





- Department of MCA organized an expert talk on the topic “Campus to Corporate” for I & III Semester students on 7th December, 2019. This was done by Mr. Sridhar Murthy, Director & Founder, M/s. Dlithe, Bengaluru.



Workshops organized by the Department:

- The Department of MCA organized 15-hrs hands-on training session (3 hrs every Saturday starting from 31st Aug to 27th September 2019) on Selenium Testing for the III Sem MCA students as part of Value Added Course. This was organized in association with M/s. Digital Web Academy, Bengaluru. Mr. Prasoon Sanwal, trainer from the Industry was the resource person. The training concluded with assessment and certificate distribution.






Prof. P Ganesh felicitating the Trainer



Participants of the Hands-on Sessions

Faculty Achievements:

- Dr. Aparna K, Associate Professor & HoD, Department of MCA has successfully qualified in NPTEL exam "Leadership" scoring 67% with Elite tag, held on 29th September 2019.



Elite

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
DR. APARNA K
for successfully completing the course
Leadership

with a consolidated score of **67** %

Online Assignments	18.50/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **2330**

Jul-Aug 2019
(4 week course)

A. GOSWAMI
Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL10MG34511121013

To validate and check scores: <https://nptel.ac.in/noc>

Certificate of Dr.Aparna K

- Dr.Arunkumar B.R., Professor, Dept. of MCA is appointed as a reviewer for the Fourth IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICECCOT-2019) organized by GSSS Institute of Engineering & Technology for Women, Mysuru, scheduled on 13th -14th December, 2019.
- Dr.Arunkumar B.R., Professor, Dept. of MCA has completed NPTEL Online Certification in the course "Patent Law for Engineers and Scientists" offered by IIT, Madras during July-October, 2019.



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
DR.ARUN KUMAR B.R.

for successfully completing the course

Patent Law for Engineers and Scientists

with a consolidated score of **51** %

Online Assignments	10.63/25	Proctored Exam	40.5/75
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Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Total number of candidates certified in this course: **497**

Jul-Oct 2019
(12 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL19HS65S41141275

To validate and check scores: <https://npTEL.ac.in/noc>

Certificate of Dr.Arunkumar B R

- Mr. Shivakumara T, Asst. Professor, Dept. of MCA has successfully qualified in NPTEL exam "Patent Drafting for Beginners" scoring 65% with Elite tag during Jul-Aug, 2019.

Elite



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

SHIVAKUMARA T

for successfully completing the course

Patent Drafting for Beginners

with a consolidated score of **65** %

Online Assignments	19.33/25	Proctored Exam	45.75/75
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Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Total number of candidates certified in this course: **239**

Jul-Aug 2019
(4 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL19HS66S21121180

To validate and check scores: <https://npTEL.ac.in/noc>

Certificate of Mr.Shivakumara T

- Mr. Shivakumara T, Asst. Professor, Dept. of MCA has successfully qualified in NPTEL exam "C Programming and Assembly language" scoring 69% with Elite tag during Jul-Aug, 2019.



Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
SHIVAKUMARA T
for successfully completing the course

C Programming and Assembly Language

with a consolidated score of **69** %

Online Assignments	13.25/25	Proctored Exam	56/75
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Total number of candidates certified in this course: 280

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Aug 2019
(4 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL19CS44511121181

To validate and check scores: <https://nptel.ac.in/noc>

Certificate of Mr. Shivakumara T

- Ms.M.Sridevi, Asst. Professor, Dept. of MCA has completed 4 weeks NPTEL online course on "Python for Data Science" during Aug-Sep, 2019 offered by IIT, Madras by achieving 73% and Elite Tag.



Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
MUTYALA SRIDEVI
for successfully completing the course

Python for Data Science

with a consolidated score of **73** %

Online Assignments	22.75/25	Programming Exam	16.75/25	Proctored Exam	33/50
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Total number of candidates certified in this course: 4426

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Aug-Sep 2019
(4 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL19CS59531110409

To validate and check scores: <https://nptel.ac.in/noc>

Course completion certificate of Ms.M Sridevi

- Shivakumara T, Assistant Professor, Dept. of MCA completed 12 weeks NPTEL online course on "Ethical Hacking" during July-Oct 2019.
- Drakshaveni G, Asst. Professor, Dept. of MCA has completed NPTEL online course on the topic "Software Testing" on 17th November, 2019 and received the certificate
- Drakshaveni G, Asst. Professor, Dept. of MCA has completed SWAYAM ONLINE COURSE online course on the topic "Academic Writing" on 9th November, 2019 and received the certificate.



Faculty Internship Details:

Sl. no	Name	Internship venue	Date from - to
1	Mr. Shivakumara T, Assistant Professor	LYSINFOTECH, BANGALORE	16/1/2020 to 27/1/2020
2	Ms.Reshma C R, Asst. Professor	G.Murali and Co., Bangalore	9/1/2020 to 17/1/2020

Partial Delivery of courses:

- Partial Delivery of the Course “Python Programming” has been organized for the students of III Semester MCA by Mr. Girish U, Associate Software Engineer, Fidelity Investments, Bengaluru on 27th and 28th December, 2019.



Parent-Teacher Meet

- Parent Teacher meeting was conducted on 30th November, 2019 at the Dept. of MCA to discuss the progress of the students of I and III semester MCA with their parents.





Industry – Institute Interaction:

- An industrial visit was coordinated by Mr.Venkatesh A, Asst. Professor, by the Department of MCA for III Semester to APSIS Solutions, Bengaluru on 9th December, 2019. Mr.Sudarsanam P, Mr. Dwarakanath G V and Ms.Drakshaveni G, Asst. Professors, accompanied the students. Students were oriented on the nature of projects they are working on, and tools & technologies used at Apsis. Students asked questions about the industry practices, future demand and opportunities for students to do internship at Apsis solutions.



Even Semester 2019 – Toppers



II SEM
Sahdev Kumar Gupta
1BY18MCA24



IV SEM
Lavanya V
1BY17MCA11



VI SEM
Kruthika C
1BY16MCA21



Open Day

- The Open Day (Project Exhibition) was conducted at the Dept. of MCA on 4th November, 2019 which received a huge participation from the students of III Semester and V Semester MCA. III Semester projects were simple gaming projects carried out using Python programming language. V Semester projects were mostly app-based and IoT projects developed using Raspberry-Pi, Pic-18 and Arduino boards. Total 29 projects were evaluated by the judges: Mr. Srinivasa Reddy, Founder and Managing Director of Srinidhi Innovative InfoSoft Pvt. Ltd, Bengaluru, and Mr. Ranjith Sundarrajan, Software Development Manager, Tesco, Bengaluru.



Student demonstrating the project to Principal



Judges at the Open Day event

Technical Fest

Technix3.0 is a department fest organized by Department of MCA for UG and PG students. There were 7 events such as IT Quiz and coding, typathon, IT Hunt, video making, technical memes, paper presentation and stress manager. The program started with IT Quiz consisting of 9 teams following the inaugural function. Then the events namely typathon, IT Hunt, and stress manager were conducted which were judged by the faculty members of the department. One more interesting event was video making event where the students has shot the entire event video and edited it to play for 4 minutes by using video editing tool.



Principal with the fest coordinators



Students participating in the events

**Placement Details**

Sl. No.	USN	Name	Recruiter
1	1BY17MCA08	Jayashree C S	Nokia
2	1BY17MCA10	K Mahesh	Nokia/Fidelity
3	1BY17MCA11	Lavanya V	Nokia
4	1BY17MCA17	Rachamalla Chaitanya Reddy	Climber
5	1BY17MCA18	Rohith B	Checkpoint
6	1BY17MCA20	Samareen Anwar	Cognizant
7	1BY17MCA21	Sandeepa H S	Fidelity
8	1BY18MCA51	Ajay Dattappa Shindhe	Nokia
9	1BY18MCA53	Annappa E G	Tech Mahindra
10	1BY18MCA54	Apurva Vasist K P	Soc Gen/ Fidelity
11	1BY18MCA55	Baradwaj	Nokia
12	1BY18MCA58	Darshan Babu K C	Cerner
13	1BY18MCA65	Hemanth R	Nokia
14	1BY18MCA69	Keerthi S	Nokia
15	1BY18MCA70	Mamtha V	Nokia/Fidelity
16	1BY18MCA73	Meghashree B S	Fidelity
17	1BY18MCA75	Muni Swamy B K	Nokia
18	1BY18MCA80	Prateek Kallappa Naganur	Soc Gen

Academic Social Responsibility:

The department of MCA organized the “Sparkling Eyes” program – “The Lion King” movie screening in 3-D for the children of Vidya Gokula Charitable Trust, Singanayakanahalli, Bengaluru, as the evening show on 9th August, 2019 in INOX, Garuda Central, Yelahanka, Bengaluru. The students of the Dept. of MCA sponsored the tickets for the kids & staff (21+3) of the above said organization and watched them roar with happiness along with the Lion King.

The objectives of this program are as follows:

- To provide a fun learning experience for the less privileged children.
- To spread the feel good vibrations that motivate the students in all directions.
- To make a day memorable to everyone involved.
- To break the monotony and remove the indifference in students.



Children lined up eagerly waiting to meet the Lion King



Hard to capture moment of children's happiness after the movie screening



Memorable Moments

- Participation of 3rd sem MCA students in Independence Day celebrations on 15th August 2019.



Students of Dept. of MCA performing on 15th August, 2019

- The 17th Batch of I sem and III sem Lateral Entry classes was inaugurated on 30th September 2019. Mr. Sreenivasa Ramanujam from TCS and Mr. Stanly D'Souza, Alumnus of 2005-08 MCA batch were the Chief Guests. The function was presided by our beloved Principal, Dr. Mohan Babu G N.



Lighting of Lamp by the Dignitaries



Dignitaries on the Dias



Prize Distribution by the Chief Guests

- Prof. P Ganesh was felicitated by the Department of MCA on 27th September 2019, for successful completion of his Ph.D. viva voce. The Department congratulated him and wished him success in all his future endeavours.



Felicitation to Prof. P Ganesh

- Teachers' Day was celebrated in the Department of MCA on 5th September 2019



- Orientation program was conducted for the I Semester and Lateral Entry students of the Dept. of MCA on 1st Oct, 2019. The coordinators from college wide sections and cells like placement, library, innovation etc. delivered awareness sessions on their respective activities.



- The details of Open Short Term courses conducted by the Dept. of MCA were published in CSI Communications - Dec 2019 issue.

FROM CSI STUDENT BRANCHES

REGION-V
B.M.S. Institute of Technology & Management, Bangalore



22-10-2019 to 26-10-2019 - Open Short-term Course on Data Analytics & Visualization using R & Python with case studies



22-10-2019 to 26-10-2019 - Open Short-term Course on internet of Things with Raspberry Pi, Pic-18 and Arduino

Alumni Interaction

- Alumni interaction was arranged on 5th Dec, 2019 by Ms. Sudhashree (2014-17 batch), currently working as Test Engineer at SonicWall Inc., Bengaluru.



Alumni talking to the students on industry requirements

- The distinguished alumnus, Dr. Mallamma V Reddy of 2004-07 batch, Dept. of MCA interacted with 1st Sem students. She addressed the students to put in sincere efforts and hard work to reach greater heights in life. Dr. Mallamma V Reddy is currently working as Assistant Professor in Rani Channamma University, Belagavi. Other alumni, Mr. Manoj K, Ms. Shruthi B S and Mr. Vishakh K, of 2011-14 batch interacted with 1st & 3rd Sem MCA students and shared their experiences in the industry and gave valuable inputs to face interviews. Mr. Manoj K is working as a Team lead in Mercedes Benz Research Lab, Germany. Ms. Shruthi B S is working in HCL, Bangalore as Senior Software Engineer. She shared her experience as a test engineer on how testing as a domain plays an important role in industries. Mr. Vishakh K is working in DELL as a Senior Software Engineer. He also shared his experience in testing.



Dr. Mallamma V Reddy interacting with students



Alumni interacting with students

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.



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We work with machines but, we are not

Our ASR and Outreach Activities



Successful people have a social responsibility to make the world a better place and not just take from it.

Carrie Underwood