

Department of Computer Applications



PRAGATI

MCA NEWSLETTER - 2021



SRI KRISHNADEVARAYA EDUCATIONAL TRUST

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

AFFILIATED TO VTU, BELAGAVI, APPROVED BY AICTE, NEW DELHI, GOVT. OF KARNATAKA

ACCREDITED BY NAAC UGC

OFF INTERNATIONAL AIRPORT ROAD, KRISHNADEVARAYA NAGAR BENGALURU-562157,

KARNATAKA, INDIA

www.sirmvit.edu

DEPARTMENT OF COMPUTER APPLICATIONS



DEPARTMENT VISION

- To develop professionals having good knowledge skills and attitude to be competent enough in the global environment, to serve the society and IT industry.

DEPARTMENT MISSION

- To establish an environment for education and skill development on par with global environment.
- Providing state of art facilities, to achieve high quality in computer applications.
- To inculcate social and ethical responsibilities among the students to serve society and industry.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO'S)

- PEO 1: Educate students to be successful computer application professional in a global environment.
- PEO 2: Enhance the student's prospects for a career in academics and provide access to higher degrees by research programs and practice lifelong learning.
- PEO 3: Provide exposure to cutting edge technologies and training to work on multidisciplinary projects in a team.
- PEO4: Develop a sense of social, ethical and professional responsibility with a capacity to demonstrate an understanding and application of the human dimension of technology and impact on mankind.

PROGRAMME OUTCOMES (PO'S)

- PO 1: Computational Knowledge: Apply knowledge of computing fundamentals, computing specialisation, mathematics, and domain knowledge appropriate for the computing specialisation to the abstraction and conceptualisation of computing models from defined problems and requirements.
- PO 2: Problem analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.
- PO 3: Design/development of solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
- PO 4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5: Modern tool usage: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.
- PO 6: Professional Ethics: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices.
- PO 7: Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.
- PO 8: Project management and finance: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO 9: Communication Efficacy: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.
- PO 10: Societal and Environmental Concern: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practices.
- PO 11: Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.
- PO 12: Innovation and Entrepreneurship: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

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**SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS**



PRAGATI

MCA NEWSLETTER - 2021

DEPARTMENT OF COMPUTER APPLICATIONS



Dr. Manjula Sanjay Koti
Prof. & HOD

The Department of MCA offers a 2 Year regular MCA Program affiliated to Visvesvaraya Technological University, Belagavi with an intake of 60 students. The excellent infrastructure, teaching faculty of the best kind of the department ensures quality education such as interaction among students, parents and staff, along with a Training and Placement Cell ensures a bright future to the students. The department provides quality education with high standards to achieve academic excellence thereby achieving the career goals of the students. Our students are doing extremely well both in academics and extracurricular activities. The teaching faculties of the department are highly committed and give their best to the students by incorporating innovative teaching learning process. Faculties always encourage students to take part in International/National Conferences, Technical fests and Seminars. Our students have completed MOOC's from various online platforms that has benefitted them in taking industrial internships. To showcase the innovations and ideas of the students, the department constantly organizes project exhibition and the students who have exhibited their ideas well are awarded with cash prizes. Faculties publish their research work in various reputed international peer reviewed journals. The department offers various electives in cutting edge technologies so that student are industry ready. We are also associated with computer Society of India and all the students of MCA are members of CSI which benefit the students to participate in various Workshops/Conferences resulting in enhancement of their skills.

The Department of MCA is a recognized R & D Centre under VTU, Belagavi from 2019-2020, which offers Ph.D. & M.Sc. (Research) Programmes. Under MCA research center, 3 research scholars are pursuing their Ph.D. in the areas of IOT, Machine Learning & Data Mining and publish their research work in WOS/Scopus/UGC indexed journals.

Every year, the department organizes Alumni Meet where alumni will share their achievements and latest trends in the industry among all the faculties and students. We have a strong alumni network, where our alumni will guide the current batch of students with latest technical skills which match the requirements of IT industry in turn which helps them in internships/projects. Our Alumni also guide the students on the kind of the projects to be done as a part of the curriculum.

The department constantly conducts Parent-Teacher meetings to give the updates of their wards and parents share their views with the faculties.

The students of MCA are placed in reputed companies such as Cerner, Oracle, Infosys, TCS, Accenture, Cognizant, HCL, Polaris, Wipro, IBM etc.

During the academic year 2020-21, the department has organized 16 Webinars, 2 SDP's and 1 FDP to enhance the skills of students and faculties.

I wish all the students and faculty a good academic career.



Teaching Staff:

Sl. No.	Name	Designation
1	Dr. Manjula Sanjay Koti	Prof. & HOD
2	Dr. Lakshmi K	Asso. Prof.
3	Ms. R. Latha	Asso. Prof.
4	Mr. B. Muthuramalingam	Asst. Prof.
5	Ms. Vani Harave	Asst. Prof.
6	Mr. Raghavendra Rao B G	Asst. Prof.
7	Mr. Vasantha S	Asst. Prof.
8	Ms. Sneha Bharti	Asst. Prof.

Non-Teaching Staff:

Sl. No.	Name	Designation
1	Ms. Ashwinl R	Programmer
2	Ms. Niveditha A	Programmer

Administrative Staff:

Sl. No.	Name	Designation
1	Ms.Chandrakala	Clerk
2	Mr. Lakshmappa	Peon

PRINCIPAL MESSAGE:



It gives me great pleasure to write a few lines for the annual issue of MCA department Newsletter “PRAGATI” 2021. I believe this newsletter will provide the bench mark for continued improvement in overall development of the department. I hope, this newsletter will serve as a means of providing a complete package of expressing staff and student’s creative ideas, innovative projects, achievements such as technical publications and related academic & research initiatives. It should also serve as a good source of guidance for staff and coming batches of students in choosing activities in the future for building their careers I congratulate the HOD, Staff and MCA Students for their tremendous enthusiasm, amazing involvement of academic interest that is shared in this issue of newsletter. My profound thanks to the editor and team of this newsletter for their initiative and interest in publishing it. I wish may the future issues grow with greater ideas through your appreciation and feedback.

HOD MESSAGE:



It gives me great pleasure to congratulate staff and students of department of Computer Applications for the publication of our newsletter “PRAGATI”. Newsletter is an amalgamation of all the events held in the department during April 2020-June 2021 and it plays an instrumental role in providing a greater exposure of the achievements accomplished by the students and the faculty. We are very much grateful to our management and principal for their continuous support, inspiration and encouragement in bringing out this newsletter.

STAFF FOCUS

Achievements, Honors and Awards:

Dr. Manjula Sanjay Koti

1. Resource person for the Webinar organised by Sri RamaKrishna College of Arts & Science for Women, Coimbatore on May 18, 2020.
2. Resource person for the Webinar organised by Vels Institute of Science, Technology & Advanced Studies, Chennai on May 14, 2020.
3. Certificate of Appreciation from NPTEL for being an active SPOC for the SWAMYAM-NPTEL Local Chapter.
4. Award - Women Empowerment from Shikshak Kalyan, Mumbai.
5. Session Chair for International Conference on Emerging Trends in Computer Science & Technology held on June 18-19, 2021 at Srinivasa University, Mangalore.

Dr. Lakshmi K

1. Awarded Ph.D. for the thesis titled "Design of Efficient Algorithms for mining Significant Patterns in Dynamic and Static Subgraph-Mining" from Alagappa University.
2. Reviewer for the International Journal, Transactions on Knowledge Discovery from Data.

Ms. R. Latha

Completed NPTEL course Python for Data science on October 10th 2020.

Mr. B. Muthuramalingam

Completed NPTEL course Enhancing Soft Skills and Personality on February 2020.

Faculty Publications:

Dr. Manjula Sanjay Koti, Drug Analysis Novel Coronavirus Using Machine Learning Techniques, Springer-- Edited Book, 2020.

Dr. Manjula Sanjay Koti, published Analysis of Students Performance using Learning Analytics, Springer Lecture Notes on Data Engineering and Communications Technologies, Vol. 53, Ch-57,2020.

Ms.R.Latha, published paper titled Predicting accuracy of Loan using Machine Learning Technique, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, ISSN 2456-3307, Vol.8 Issue 1, Mar 2021.

Mr.Raghavendra Rao B G, published paper titled Prediction classifier for Heart Disease using Machine Learning Approach, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), 2319-8753/ ISSN(Online), Aug, 2020.

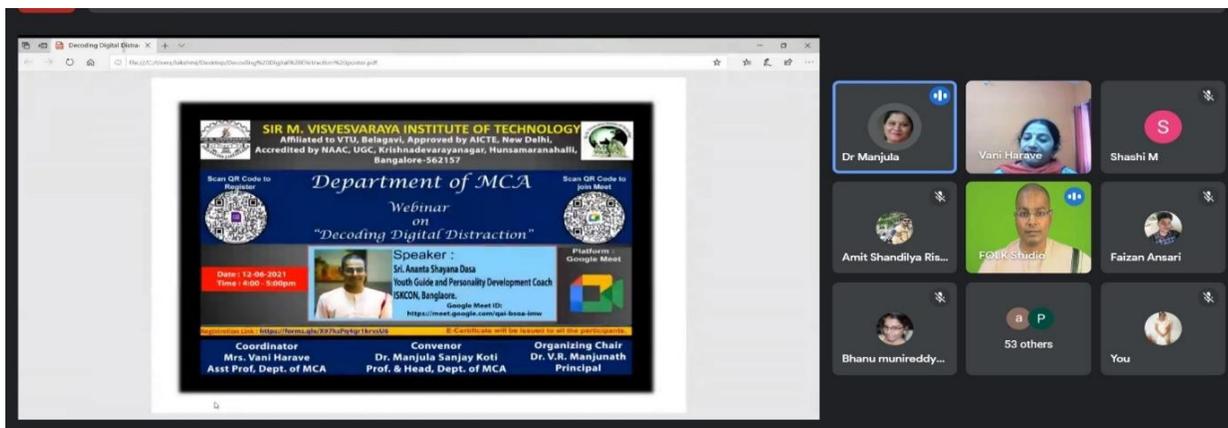
Ms.Vani Harave, published paper titled Green Computing and Green IT – The Importance of Sustaining the Peopleware, Initiatives, Principles with Strategies to be more IT Efficient, Journal of Seybold Report, ISSN:1533-9211, Sep 2020.

Mr.Vasantha S, published paper titled Analytical Tool and Sales Forecasting Model, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN:2319-8753, Dec 2020.

TECHNICAL EVENTS

Events Conducted:

1. Webinar – “Decoding Digital Distraction” was conducted on 12th June 2021 for all MCA Students. Sri. Ananta Shayana Dasa, Youth Guide and Personality Development Coach, ISKCON, Bangalore was the resource person for this Webinar.



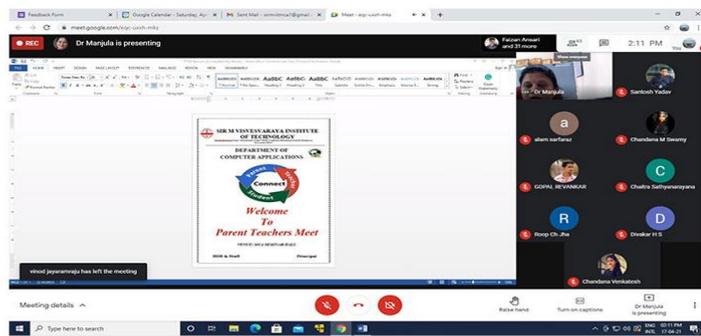
Decoding Digital Distraction

2. One day Student Development Program on EJB and its Application was organized on 17th, April 2021 for third semester MCA students. The Resource Persons for this SDP was our Alumni's Mr. Pranav Kumar & Mr. Karthik Ramesh who is working in JP Morgan ,HCL as a Software Developer, Senior Developer.



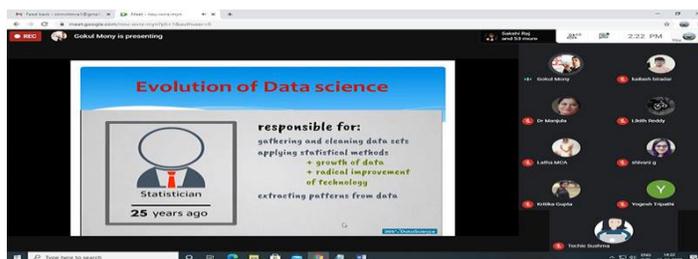
SDP on EJB & Its Application

3. Online PTM was organized in the department on 17th April, 2021. The parents interacted with HOD and respective local guardians of their wards.



Online-Parent-Teachers-Meet

4. One day Online Student Development Program on Advanced Python for Data Science was organized on 12th December 2020 for third and fifth semester students. Mr. Goguldhev from Amrita Institute of Technology, Tamilnadu was the resource person for this SDP.



Python for Data Science

5. Webinar – “My Story- A Motivational” was conducted on 23rd November 2020 for all Semester MCA Students. Mr. Bhuvanesh Sharma, Technology Startup Founder, TEDx Speaker, Gujarat was the resource person for this Webinar.
6. Webinar on Accenture Interview Process was organized on 10th October,2020 for 5th semester MCA students. Our Alumni's Mr. Shananth Kumar N, Ms.Anshu Agarwal , Mr. Veeranna Mallur who are working as Associate Software Engineer in Accenture,shared their valuable input about Accenture Interview Process.
7. Online PG CET Coaching class and Mock test for BCA, B.Sc. & B.com students was organized from the Department of MCA on 10th, 11th, 10th & 12th October, 2020. The coaching classes were conducted by the faculties of the department. Many students were benefited from this.

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
 (Approved by AICTE, Affiliated to VTU, Belagavi, Accredited by NAAC)
 Krishnadevaraya Nagar, Hutnasamaranahalli, International Airport Road, Bengaluru-562 157

Department of MCA
 Presents

PGCET ONLINE COACHING CLASSES

PGCET C478

Towards Excellence in Education.....

Highlights:

- 138 acres of Green Campus
- Wi-Fi Enabled Campus
- Competent Faculty
- On campus Hostel Facility
- MOU's with reputed companies
- Good Placements
- Association with CSI, IEEE, ISTE
- Exposure to R&D
- Value Added Programs
- Professional Network with other colleges

Date: 10th & 12th Oct 2020
Time: 2:00PM - 4:00 PM

For Registration
<https://forms.gle/ujGpiBfX9MpAEq96>

+91 9980869519
+91 9844551833

sirmvitmca@gmail.com

FREE Register Now

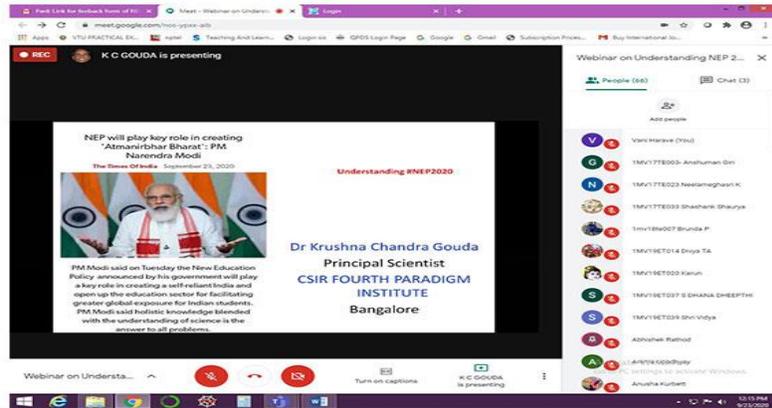
<https://www.sirmvit.edu/department-of-mca/>
<https://www.facebook.com/Smvit.mca/>

Previous Interview Experience

Communication Assessment

PGCET Online Coaching Class

8. Webinar- National Education Policy 2020 – Execution Challenge was organized on 25th September 2020 for all the faculties of SMVIT. Dr. Hari Krishna Maram, Digital Brand Ambassador & Chairman, Vision Digital India, Bangalore was the resource person for the event.
9. Webinar- Understanding NEP – 2020 was conducted on 23rd September,2020 for all the faculties of Sir MVIT. The resource person for this event was Dr. Krushna Chandra Gouda, Principal Scientist, CSIR Fourth Paradigm Institute (C – MMACS), Bangalore.



Understanding NEP – 2020

10. Department of MCA Conducted Online Alumni Meet on 25th July,2020. Alumni's Interacted with the HOD and faculties by giving their suggestion for the improvement of the department.



Online Alumni Meet

STUDENT FOCUS

Student Achievements:

Naganandan P, Pavan D, Shubham Sharma, Tiyasha Dasgupta of 5th semester MCA has completed NPTEL course "Python for Data Science" on October 10,2020.

Naganandan P, Pavan D, Shubham Sharma, Tiyasha Dasgupta of 5th semester MCA presented paper Presented paper titled "Predicting Accuracy of Loan Using machine Learning Techniques" on the International Conference on Research Perspectives: IOT in Hybrid Grid Integrated Renewable Energy Sources at New Horizon College of Engineering.



Paper Presentation at New Horizon College of Engineering

Shivani G of 6th semester MCA presented paper titled "Deep Learning for the Detection of COVID-19 using Transfer Learning and Model Integration" on International Conference on Emerging Trends in Computer Science & Technology at Srinivas University college of Computer Science & Information Science, Mangalore.

Bindhu B of 6th semester MCA presented paper titled "A BI Objective Hyper-Heuristic Support Vector Machine For Bigdata Cyber Security" on International Conference on Emerging Trends in Computer Science & Technology at Srinivasa University college of Computer Science & Information Science, Mangalore.

Naganandan P, Pavan D, Shubham Sharma, Tiyaasha Dasgupta of 5th semester MCA has Published paper titled "Predicting Accuracy of Loan Using machine Learning Techniques at International Journal of Scientific Research in Computer Science, Engineering and Information Technology, ISSN 2456-3307, Vol.8 Issue 1, Mar 2021.

Project Exhibition Winners:

Aishwarya M M, Bindu B, Prathima A, of 6th semester MCA has won I prize in Project Exhibition held in the Department of MCA.

Akash Kumar Chourasia, Nishanth T, Divya C R, Likith Reddy 6th semester MCA has won II prize in Project Exhibition held in the Department of MCA.



Courses completed by the students during lock down:

The students of Vth and VIth semester MCA have completed online certification courses in Coursera, Udemy, TCS and Google.

RESULTS

1st Semester Toppers:



ASHWINI
1MV20MC008 – 85.13



SHASHIKALA
1MV20MC046 – 83.63



VISHNU
1MV20MC059 – 79.75

3rd Semester Toppers:



SINDHU D R
1MV19MCA14 – 83.64%



SHIVARAMAKRISHNA
1MV19MCA13 – 83.24%



TIYASHA DAS GUPTA
1MV19MCA17 – 82.64%

5th Semester Toppers:



BINDU B
1MV19MCA58 – 87.52%



PRATIMA
1MZ19MCA57 – 86.92%



THEERTHESH T P
1MV18MCA09 – 83.21%

Self-Confidence



Self-confidence refers to the state of mind where a person pushes their boundaries and encourages belief within oneself. It is something which comes from self-love. When a person has self-confidence, they are halfway through their battle. People at workplaces achieve success by taking more initiatives and being more forward and active in life. Moreover, they tend to make better decisions because of having confidence in oneself. Thus, it increases our chances of achieving success in life. Alternatively, if there is a person who does not trust or believe in himself, it will be tough. Self-confidence allows us to face our failure and own up to it in a positive light. Moreover, it helps us to raise many times. This helps instil a quality in use which ensures we do not give up till we succeed.

Similarly, self-confidence instils optimism in us. People who have self-confidence are not lucky, they are smart. They do not rely on others to achieve success, they rely on their own abilities to do that. Self-confidence is one of the most important routes we have to take in our path to success. It makes a person independent, eager, optimistic, loving and positive. Confidence builds more peace of mind, improves sleep and health, and guarantees a greater success rate. Every encounter in life teaches us something, and likewise, with every passing experience, we take home some benefits and knowledge. In this way, confidence in ourselves and others grows. True confidence has no jealousy and envy, when you know you are great, you have no reason to hate.

11 ways To Build Self-Esteem and Increase Your Confidence

1. Stop criticizing yourself.
2. Think Positive
3. Put Yourself First
4. Identify what you need and want
5. Look for the good.
6. Quit focusing on your weaknesses.
7. Take risk.
8. Don't forget your right.
9. Practice saying 'No'.
10. Do the things you enjoy.
11. Stop comparing yourself to others.

The woman



Hi Friends,

"Based on Disha's incident I am writing this note with a eyes filled with tears. Because that incident makes me heartbreaking and also of our national epidemic of sexual assault and the chronic failure of our criminal justice.

O woman! Today the world is against you, you're facing a problems and issues. I think world forgets about these true Facts:

O woman! You are there in each and every part of the world. A day in the earth will not start without you, and you'll work hard to made us success.

But, on 27th Nov, our day started by hearing your death news, the whole day of earth becomes dark. heart is saying that feeling pain, at the same time mind is struggling to find those bastards. I think they don't have mother and sisters.

O woman! You will spread colours in the path you travel. Life of the people in earth will be vanished without you, the love towards us by you is Untouchable.

But, they don't have responsibility and ability to take your colours and caring love, and they thought that is touchable.

According to me and nature:

You will strive for success each and every moment. You will not say tired even for a second. Does your patience consists of any boundaries?. You will take care of every men as your children. There is no use of light without you. The smile of everyone in this world is a boon given by you. I am writing this note not for Sympathy, but to create awareness among us. O woman! You don't get fear of these situations. Because, ' only the Woman and Earth gives the birth to everyone and everything', it is the best boon given by the god for you, and 'You're the goddess, who doesn't ask for temple'.

I am ending this note with a heart full of pain and eyes filled with tears. Getting a shame on this atmosphere, and I am praying for the god to make the world to be beautiful".

"Hang bad thoughts, Stop harassment, Treat woman as Goddess" Be Happy and Stay Safe and Make woman safe...

Thank you,

Shivaramakrishna M,5th Sem,MCA

International Peace Day Logo



This logo is symbolic of international peace day where Buddha is the embodiment of peace and also pigeon represents the symbol of peace. Buddha with pigeon feathers together are protecting peaceful world.



The above logo is the symbolic of International peace day where now a day's Human mind pollution is making the world with wars, attacks. Hence Buddha is praying for the peace.so that human will be in sattvic state.



The above logo symbolizes that the peace is getting extinct and faded away from the green world day by day. Green the peace is turning into black.



This logo is the symbolic of if the world is in hands of Buddha who is embodiment of peace will protect the world



ALUMNI SPEAK'S



My College days were wonderful, those were happiest days of my life attending daily classes, labs, writing assignment, exam, cultural events, bunking classes and more. My experience in Sir MVIT was just amazing. The journey of 2 years at MCA in MVIT is special and those memories will be cherished for lifetime. I would like to thank HOD, Dr. Manjula Sanjay Koti for all the guidance and experience shared which made me to be a better person which clarified my goals for future Under her guidance I did my first paper presentation. Our seniors who were already working in company used to give us tips to crack interview. All those sessions really helped me a lot and with your guidance and support I grabbed my first job in TCS though campus selection in first ever interview.

I got unlimited love & support from my teachers, teachers made me do "Work Hard" for the way to success. Miss those days of MVIT. Just want to thank all the teaching and non-teaching faculties of MCA and all my friends. I am proud to be an MVIT'an...

-Aruna H, Software Engineer, TCS Pvt.Ltd



It gives me a great pleasure in sharing my success after joining Sir MVIT, I am highly indebted to the entire MVIT in particular Dept. of MCA for successfully accomplishing its promises and objectives in providing quality education and overall development of all its students.

MVIT provided us with well-equipped Laboratories, library, transportation which has been constantly of great support. The workshops, lectures and training programme organised by Dept. of MCA are really a boon to all the students.

I owe a special thanks to all my faculty who helped me throughout the course in providing support and proper guidance and moulded me to become industry ready and I'm sure it's really a boon to all MCA aspirants.

- Shreya Soni Software Engineer, Accenture pvt. Ltd

PLACEMENTS

All our students are undergoing internship in reputed IT firms & most of them are placed in top MNC's working on various technologies like Cloud Analytics, Social Media Mining & Mobile Computing.





EDITORIAL COMMITTEE



Dr. Manjula Sanjay Koti
Chief Editor

STAFF CO-ORDINATORS



Ms. R. Latha



Ms. Vani Harave

