



SURANA COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A+' grade, ISO 9001:2015 & IAO Certified
Affiliated to Bangalore University, Approved by AICTE



(Newsletter - MCA Programme)

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Internalize >> Empower >> Evolve

THE FOREWORD

"If we have seen further, it is by standing on the shoulders of giants"

When Sir Isaac Newton said these words, he must've had immense gratitude towards the giants, whomever he was referring to. The work is never complete without expressing gratitude. Dr. Archana Surana, the managing trustee of this very institution, is an inspiring soul for many deeds. Once again, she has inspired us in this journey as well. The department is grateful for her stance on providing an enriching experience. We are eternally thankful to her for providing us with a platform to experiment and cherish.

We thank the students (both junior and senior batchmates) for their contribution to the process of refining the articles for the newsletter.

We receive immense support from our beloved alumni each time we come up with an initiative. This time it was no different. We are very indebted to all of them.

As the first edition of the newsletter is ready to be unveiled, the job is not finished without thanking those who made it a reality. Kudos to those who have spent hours together shaping this very concept.

Team MCA

*"The woods are lovely, dark and deep. But we have promises to keep,
and miles to go before we sleep"*

- Robert Frost

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With justifiable pride, it can be placed on records that we meet the demands of new-age students and work with self-conviction, commitment, and complete focus. The path to perfection is not easy yet we achieve it. We have the will and potential.

Heartily congratulations to team MCA (Colleagues and Students of Computer Science) for taking the department activities to a higher level with your passion and unclinged commitment. It can be placed on records that programs such as Sadhana bring value addition to our MCA programme and eventually evolved as USP of the department.

The road map given by me more than a decade back is meticulously getting executed by you and shaped you into a confident and competent individual. Your journey from enthusiastic beginner to disillusioned learner to reluctant contributor to peak performer is highly valued.

Some people are consistently successful because of the qualities and abilities they develop in addition to the curricular aspects. My dear friends let me firmly state one thing, genuine career happiness comes from achieving personal goals in harmony with organizational goals. Wishing all the best for the rest of the years.

Dr. A Srinivas

Director (L&D) – SEI

Director MCA

From the HOD's Desk....



With the revolutionary computing technologies at its forefront, the Indian IT sector is growing exponentially. While the dramatic growth is enabling a smarter planet, it has also created a dearth of proficient IT professionals. But fortunately, there are multiple academical courses offered by various colleges and institutions, which aim to meet the rising demand. Amongst them, MCA course is considered as one of the most sought-after. This post-graduation course helps an individual to hone the required technical skills to develop avant-garde tools and digital applications.

Our students and alumni have played a very important role in our success story. We are ever grateful to our students and alumni for their involvement in executing the visions of the department. We are also proud to say that, over the years, we have been able to maintain a strong bond between our alumni and the department. The objective of the department has always been to give the best to our students. The autonomous status has given us academic freedom to emphasize practical learning experiences.

"I hear and I forget. I see and I remember. I do and I understand." – Confucius

Dr. K Balaji
HOD, Dept. of MCA

AYANAM (THE JOURNEY). . . SINCE 2000



The department of MCA was established in the year 2000. MCA is offered as a two-year program with a current intake of 60. The program is approved by AICTE and is autonomous under the affiliation of Bangalore University. The course is intended to produce qualified professionals well-equipped with the necessary skills and knowledge to meet the growing demand in Computer Science and Applications. The course emphasizes programming languages, web technologies, software testing, software engineering and application development requisites to fulfill the IT requirements. In contrast, the essence of basic mathematics, statistical concepts, and computer fundamentals provide a vital foundation. Introducing practical teaching aids to enhance every aspirant's ability to identify, analyze, model, and solve a problem through computation has been the primary objective of this course.

In addition, the department offers various cutting-edge technologies as add-on courses and personality development workshops from industry experts to the student community. The MCA program has been designed to give equal stress on theoretical and practical learning in applied computer science. It is envisioned to deliver an updated industry-oriented education to meet the expectations of the leading corporations of Silicon Valley. The department of MCA has secured nine university ranks and six gold medals.

MCA FRESHER'S INDUCTION - THE NOVEL WAY

Preparing the ground and the mindset

With an intention of productive engagement of the freshers before the first week of the induction program, the department had planned a series of pre-induction week activities. The activities were designed for fun yet ensured a learning . Following is the list of activities conducted.

DATE	ACTIVITIES	DETAILS
30-01-2022 to 13-02-2022	Tell us about you	Students were asked to send 2 minutes of video introducing themselves
	Google Certification	Students are encouraged to take google certification and badges
	Resume building	Students were asked to send an impressive one-page resume
	Web is a source of knowledge	To create an awareness of technical portals

The induction week was planned to have a series of expert talks and team-building activities. Spanning an entire week, during the induction program the freshers had a chance to hear some of the best speakers and engage themselves in many interactive sessions.

DATE	EVENT
14-02-2022	Inauguration of the MCA programme
15-02-2022	Session on "Importance of Yoga" by Mr. Ravi Agrahara, MSc(Psy)

DATE

EVENT

15-02-2022

**Session on "Mental Hygiene" by
Dr. Sudarshan, HOD, MSc (Psy)**

**Session on "Start-ups and Entrepreneurship" by
Mr. Vijay J, Deputy Manager- Corporate
Communications, Syngene-Biocon, Bangalore**

Quiz – Round 1

16-02-2022

**Session on "Placements in Surana" by
Ms. Sowmya, Placement Officer, Surana College
PG Departments**

**Alumni Interaction – Ms. Divya S M, Automation
Expert, IBM, Bangalore**

Quiz – Round 2

17-02-2022

**Address by Alumni Mr. Sunny Saxena on
"Current IT trends"**

Quiz – Final Round

Sadhana Event - "Blogging"

18-02-2022

**Alumni Interaction – Mr. Abhay Hegde S,
Head of Quality, Tietoevry, Bangalore**

**"Library Management in Surana"by
Mr. Gururaj D, Librarian**



INDUCTION-WEEK ACTIVITIES

Events of First semester 2021-22



Session on **"Importance of Yoga"**
by **Mr. Ravi Agrahara, MSc(Psy)**



Session on **"Mental Hygiene"** by
Dr Sudarshan, HOD, MSc (Psy)



Session on **"Start-ups and Entrepreneurship"** by
Mr. Vijay.J
Deputy Manager- Corporate
Communications, Syngene-Biocon,
Bangalore



Alumni Interaction –
Ms. Divya S M,
Automation Expert, IBM,
Bangalore

INDUCTION-WEEK ACTIVITIES

First semester 2021-22



Session By **Ms. Namratha, B.Tech (NITK), MBA (IIM-Indore)** on
"Design Thinking"



Activity – Paper tower challenge



**Alumni Interaction –
Mr. Abhay Hegde S,**
Head of Quality,
EVERY India Pvt. Ltd,
Tietoevry, Bangalore



Guest lecture on **"Key skills for
productive and successful IT
career "** by **Mr. Gururaj Revankar,**
Director-Shared service operations,
Novartis

THE IMPRESSIONS AND EMBODIMENTS



The workshop titled **“Scientific Document Writing using LaTeX”** was conducted on **7th and 8th of June 2022 at Surana College, Kengeri Satellite Town**. Further sections of this document summarize the learning aspects of the workshop.

The 2-day workshop had more than 80% of hands-on experience for the participants on LaTeX. The participants were able to install and practice the tool for creating documents of various array. Here are the outcomes of the workshop :

- Installing and setting the LaTeX environment on a windows platform.
- Understanding the basic LaTeX commands for,
 - Selecting a document
 - Typesetting a document
 - Creating complex sections like tables, formulae etc.
 - Integrating multimedia
 - Indexing, cross referencing, citation
 - Using LaTeX packages
- Creating different types of documents like books, articles, journal papers etc.
- Import external templates like IEEE
- Handling errors in LaTeX
- Using Grammarly and overleaf for documentation

KAPOOR'S WORKSHOP ON EFFECTIVE COMMUNICATION

The department had organized a 3-day softskill development programme in association with Kapoor's Workshop on Effective Communication. Areas such as etiquettes and professional communication were covered on day-1. Presentation skills and body language were exercised on day-2 of the programme at our own campus. Day-3 was reserved for an outbound activity at the Microlabs resort, Kudlu where many team-building activities were planned.



**Soft Skills
Development
Training**

**Team Building
Activity**



**Outbound
Experience at
Microlabs Resort**

GRADUATION DAY

The graduation day for batch 2018-20 and 2019-21 students of MCA was conducted on 20th August 2022. The event was graced by the presence of Shri. Venkat Shyam BV, CEO, Signet Enterprises. The celebration was due for the batches who had graduated during the series of lockdowns due to the pandemic.



MCA Batch 2017-20

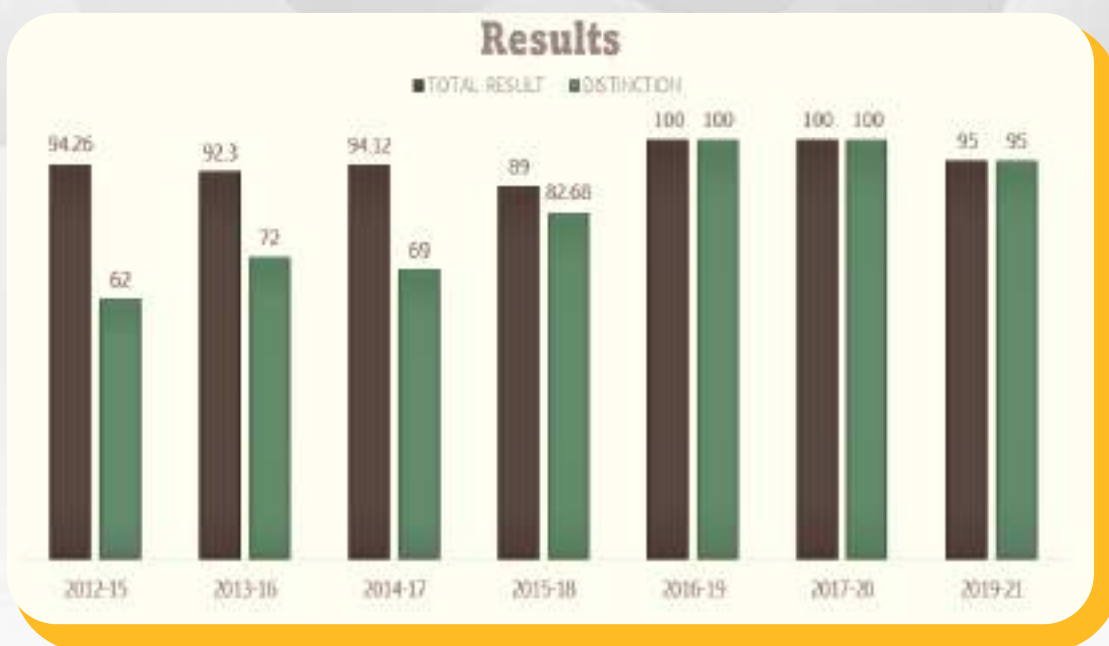


MCA Batch 2019-21



ACHIEVEMENTS AND ACCOMPLISHMENTS

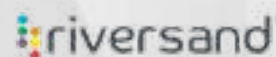
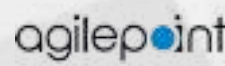
Academics and Placements



The college has a decent track record of placements and encompasses an extensive list of renowned recruiters. The PG students particularly have been placed in well-known companies. With the success sagas in its arsenal, the institute has been instrumental in providing need-based quality education and envisions giving quality individuals to the society as a useful resource in nation building.



Our Recruiters



And the list goes on....

Dept. of MCA, Surana College, Bangalore

OUR PRIDE - RANK HOLDERS



Ms. SWATHI KANODIA
(2009 – 2012)



Ms. SHRUTHI B.R
(2012 – 2015)



Ms. CHAITRA P
(2013 – 2016)

**All three have bagged 1st Rank and two gold medals in MCA,
Bangalore University**



Ms. Thulasi Poreddy
(2005 – 2008)
V Rank



Ms. Radha .T
(2007 – 2010)
V Rank



Ms. Swethambari .L
(2009 – 2012)
III Rank



Mr. Satish Malayi
(2017 – 2019)
V Rank



Mr. Sharook Subana
(2017 – 2020)
V Rank



Ms. Divya S M
(2019 – 2021)
V Rank

STUDENT'S CORNER

Have a Kit-Kat Break



Want to increase the productivity of your work? There is a productivity hack where you do a task (Ex: Studying) for a certain amount of time and then take a break for a short time and carry on with the task from where you left. This technique is called the Pomodoro technique. It was developed by Francesco Cirillo. For an instance, if you want to study a subject, take the first break for 5-10 minutes after 20-25 minutes of studying. Go for a walk (for 5 minutes) and resume the task thereafter. Continue to do the same for 90 minutes and then take a little long break.

Why 20 to 25 minutes of study time?

It was proposed by Francesco Cirillo for 25 minutes time length and it is preferred because it is not so short time that you did not spend enough time on the task in your hand and long enough to bore your brain.

Why 5 to 10 minutes break?

It is better you resume the task where you left soon because chances are more that you involve or get lost in your break activity if you are spending more time on an activity.

Next time when you start a task, remember Pomodoro!

- Yaesh, 1st Year MCA

Supersized AIs: Are truly intelligent machines just a matter of scale?

When the Artificial Intelligence GPT-3 was released last year, it gave a good impression of having mastered the human language, generating fluent streams of texts on commands. The success of GPT-3 has been put down to one thing: it was bigger than any AI of its type, meaning, roughly speaking, that it boasted many more artificial neurons. No one had expected that this shift in scale would make such a difference. But as AIs grow ever larger, they are not only proving themselves the match for humans at all manner of tasks, but they are also demonstrating the ability to take on challenges they have never seen.



As a result, some in the field are beginning to think the inexorable drive to greater scales will lead to AIs with abilities compared with those of humans. Samuel Bowman at New York University is among them. "Scaling up current methods significantly, especially after a decade or two of computing improvements, seems likely to make human-level language behavior easy to attain," he says.

That would be huge if true. Few experts thought machine intelligence would arrive as a mere exercise in engineering. Of course, many still doubt that it will. Time will tell. In the meantime, Bowman and others are scrambling to assess what is going on when superscale AIs seem to.

- Poojitha G, 1st Year MCA

The King's Leanest Patch



Virat, a player who has set his standards so high is currently going through a lean patch averaging below his standards. Virat, as a cricketer has set levels so high that anything under a 100 makes him look like he is struggling. This is what is so frustrating when we as cricket fans, see Virat throwing it away after all the hard work. When we talk 'lean patches', we can relate those to the likes of Joe Root or for that matter Sachin Tendulkar from the yesteryears, where we saw them having a genuine concern against the incoming ball. Nonetheless, if we look at the control he has even when he is defending spin, it never seems like he has lost his touch to not be able to score against them.

From where we see it, it must be a mental block. Now that we talk mental blocks, let us discuss Virat Kohli the human who has seen many changes that have happened around him in the last 3 years.

A new family, as positive as it may seem, is a massive change that does impact an individual's mental balance. We talk about the constant regression of playing at the highest level and then not being backed by the leadership with a team of his choice, which followed with captaincy being stripped of him. Champions manage to still find their mark and keep pushing their levels further up. As Harsha Bhogle mentioned – All great batsman goes through this and when they get back in their element, they more than make up for it. It is not a question of 'IF' Virat Kohli can do it again, it's more a matter of 'WHEN' will we see it happen. Right now, the best we can do is, let him enjoy his space, keep him out of News, and as an Indian fan, hope he answers his critics with the bat sometime in July.

Isn't that what Champions do? They wait for the right time to strike.

- Sujan M, 1st Year MCA

Stop judging your own work

It's Not Your Job to Tell Yourself "No".

Everyone struggles to create great art. Even great artists.

Anyone who creates something consistently will begin to judge their work.

It is natural to judge your work. It is natural to feel disappointed that your creation isn't as wonderful as you expected, or that you're not getting any better at your craft. But the key is to not let your dissatisfaction prevent you from continuing to do the work.

One must practice enough self-compassion to not let self-judgment take over. Sure, we care about our work but don't get so serious about it that you can't laugh off your mistakes and continue to produce the thing you love. Don't let judgment prevent delivery.

-Shravani C, 1st Year MCA



GLIMPSES OF SADHANA-THE IT CLUB



The Concept of **Sadhana** was inducted into the MCA Department by Dr. A Srinivas in the academic year 2005-2006.

"Practice makes man perfect" is an old saying and this word is a new world order for that, we have changed the quote to "Practice for Perfection", which is the caption for our IT club called SADHANA. Sadhana is a weekly event conducted by the students, for the students to improve their soft skills and to practice certain skills needed for their fruitful IT careers.

various events conducted by the students, for the students:

- Aptitude on various topics
- App development
- Social awareness
- Product launch
- Start-up ideas
- Web Designing
- Group discussions
- Mock interviews
- Paper presentations
- Panel discussions and more...





Teams compete against each other every week in various activities and competitions organized by the students. A season begins with a formal inaugural function and ends with a valedictory ceremony where the winners are awarded.



LIST OF EVENTS - SADHANA 2022, SEASON 1

Each year, Sadhana hosts 30 events in two seasons. Each season has 15 events of various kinds. Each event is organized by one among the 15 teams. The remaining 14 teams compete with each other for the top 5 winning spots. The team with the most points is awarded the best team at the end of two seasons.

So far, a total of 15 events have been conducted in Sadhana season-1. The following is the list of events with the respective organising teams. The events are scheduled every Thursday afternoon.

Date	Organizing Team	Event	Aptitude topic
05/05/2022	Code Warriors	Debate	Java programming
12/05/2022	Skam Squad	Know Your Rights	Verbal reasoning
19/05/2022	Pixel Brothers	Coding and Debugging	Profit & loss, time & distance
21/07/2022	Dynamic Dudes	Blogging	Pattern completion
28/07/2022	Bug Smashers	Tech Article	Simple interest
04/08/2022	Reboot Rebels	Paper Presentation	Verbal ability
11/08/2022	Gigabyte	Patchup Paper works	Quantitative analysis
18/08/2022	Team Elite	Canva Designing	Data Structures
26/08/2022	Tech Buddy	Quiz	Company aptitude paper
01/09/2022	Tech Tycoons	Add Making	SQL
08/09/2022	Code Blasters	Web Designing	Current affairs
15/09/2022	Team Synergy	Presentation (IT Jobs)	Logical reasoning
22/09/2022	Fantastic Four	Remote Team Mngmt	Web technology
29/09/2022	Cyber Knights	Tech Talks	Probability
13/10/2022	Power Seekers	Tech Treasure Hunt	English Grammar

THE INTERFACE - ALUMNI CONNECT



Avilasha S

Coding Instructor - CampK12
MCA Batch 2012-2015

I've been part of Surana family for 3 years, which sounds as a long term. This piece of blog would not be enough to talk about our department. Still, I've to take the space. The whole 3 years are the 3 steps of success. I found a friendly environment, and a very strong foundation for our career through academics "is what is" our DEPARTMENT.

This foundation is raised with very sturdy pillars, called faculties. Such a minute thread of teaching, which means nook & corner of the topic, would be grounded on us. No one of us would stop talking about a platform, Yes an ideal platform; as I'm, the synonym of enhancing is "SADHANA" The IT- Club. If I can say that I've succeeded in my life at any point, it is the transformation that I've gained in SADHANA. Finally, these 3 years are praiseworthy not only academically, but for life as well.

Its been a great journey in Surana College. When I was studying, my goal was to be a good software engineer. Surana College and mca dept faculties have taught me how to become a software engineer and a good person. Being a good engineer, I also learnt the lesson of ethics n morality from surana. Now I am a star performer in our company because I learnt, I practiced, I performed well in sadhana event. Because of that effect now I am in a good position.

Thanks to Surana Collage, MCA department for the wonderful support.



Bharath Gowda K B

Assistant manager - IT SKYLUX
MCA Batch 2012-2015



*Scan to download
the e-Newsletter*

*"The path for perfection is not easy.
Yet, we try, we have the will and the potential"*