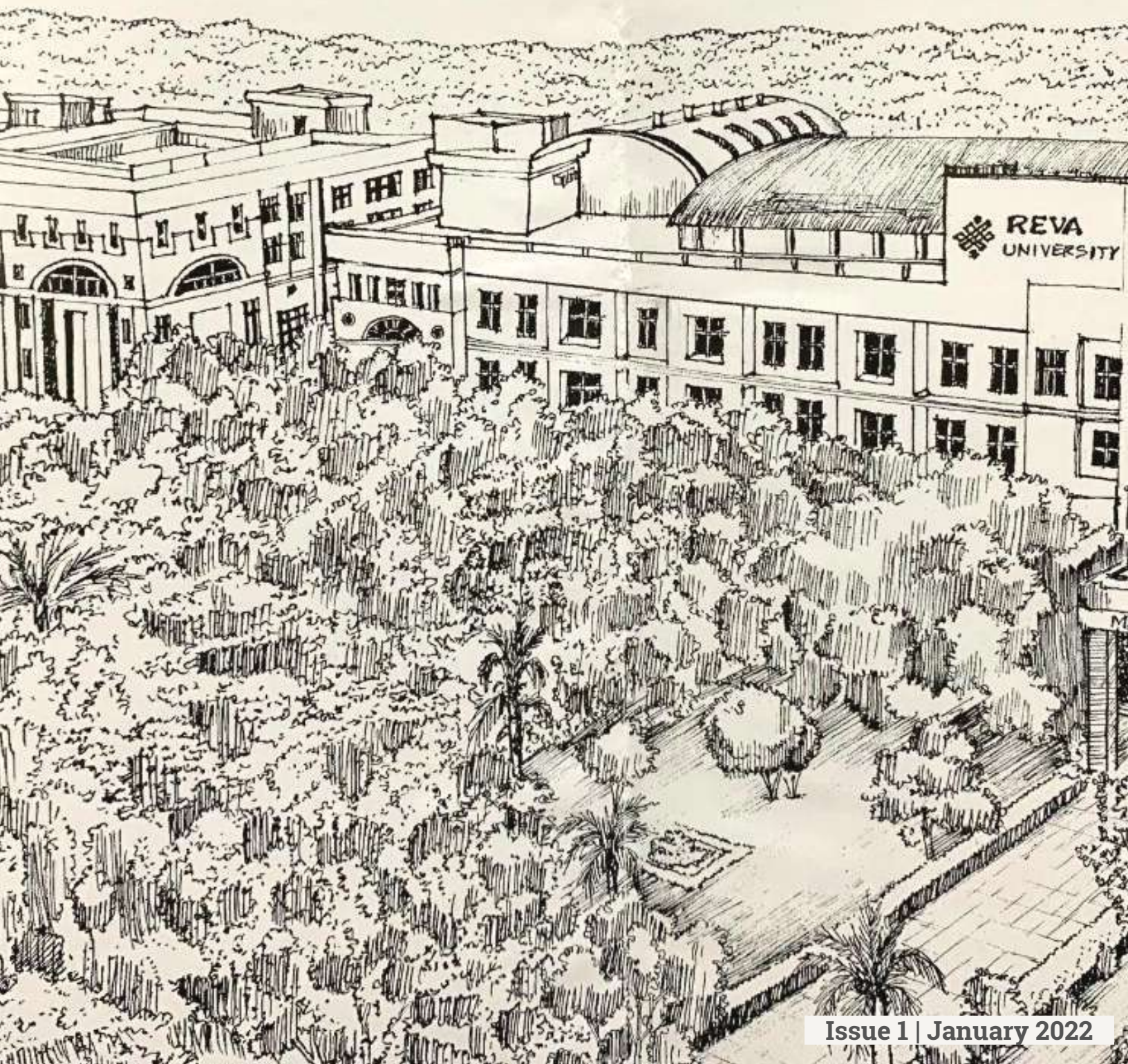




IN CLUDE

infinity beneath

School of Computing and Information Technology



Foreword



Dr. P Shyama Raju, Chancellor, REVA University

"REVA University has always been a strong supporter of both academic and extracurricular activities. I'm also pleased to see the benchmarks set by the C&IT department in this magazine. They are not only highlighting events and victories of the School with this publication, but they are also opening a door for personal growth for everyone engaged."

Dr. M Dhanamjaya, Vice Chancellor, REVA University

"Today a reader, tomorrow a leader. Each student must give importance to some form of reading. Not only does it ease the curiosity of an inquisitive brain but it also helps think outside the box and create new perspectives. By portraying achievements, activities and talents, this magazine serves as a mode of motivation for all readers. It is definitely a heartwarming trip down the memory lane."



Dr. Mallikarjun M Kodabagi, Director, School of CIT

"This first issue of the #INCLUDE has created history. Our students have put together their hard-work and visionary ideas to light the torch to what is hopefully decades worth of new and improved editions. this magazine is the fruit of teamwork, dedication and establishment. I wish everyone reading this, a wonderful time and knowledge space."



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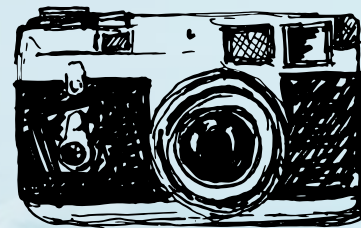
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A NOTE FROM THE EDITOR

"Work hard, have fun, make history." Honestly, this is what kept us going. If you're reading this, then we've come a long way and are here for you to reap the fruit of our labour. We started with a blank canvas and now have something to call our own. What you see and read today is a collaboration of 11 minds going back and forth on the smallest details to make nothing but the best.

More than anything, we are super proud to bring to you the very first magazine for the School of CIT and aspire to create a history that carries forward as a legacy. After days of deliberation, the team and our mentor came up with the name "#INCLUDE", with the sole reason of including everyone to come along with us in this beautiful journey. We believe we've done justice to that. The tagline, "infinity beneath", is just a fancy way of saying 'the sky is the limit'. But nevertheless, the possibilities are endless and open to interpretation!

Our main desire is for our readers to cherish memories and take a heartwarming walk down memory lane. The incredibly amazing and tight-knit team has tirelessly worked on each corner of the magazine to bring it to life. We hope that this is only the beginning and that this relay continuously improves in the coming years.

Here's to new beginnings!

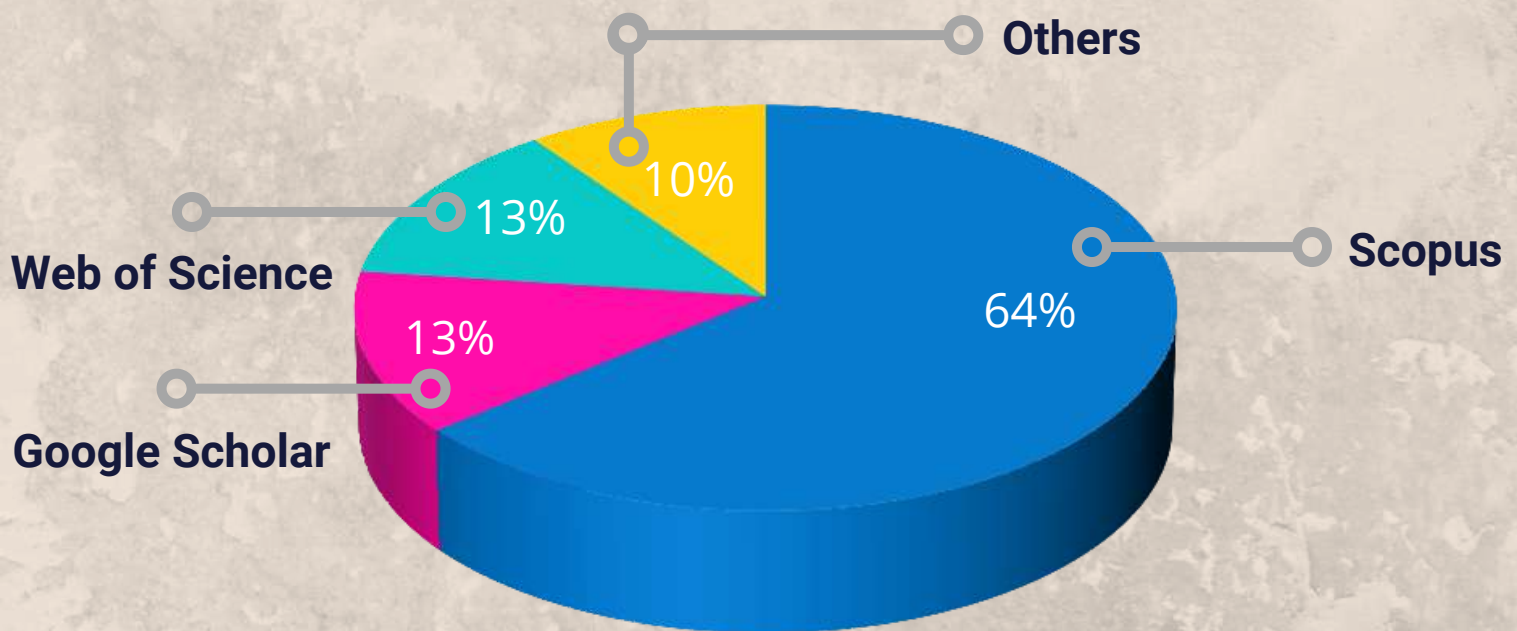
Meena Chidambaram
Editor-in-Chief
3rd Year CSIT



Research, Publications and Targets

The School of Computing and Information Technology excels in research and publishing. Our school has published more than 200 scientific papers, received more than 1000 citations, and applied for about 50 invention patents.

Last year, we exceeded our target by 20% in publishing scientific papers. The school also patented new ideas, increasing the goals set by the institution by 92%. Some great ideas are funded by government and private institutions. These extraordinary numbers underpin a great deal of dedication, determination, and progress in the academic field.



Publications 2021



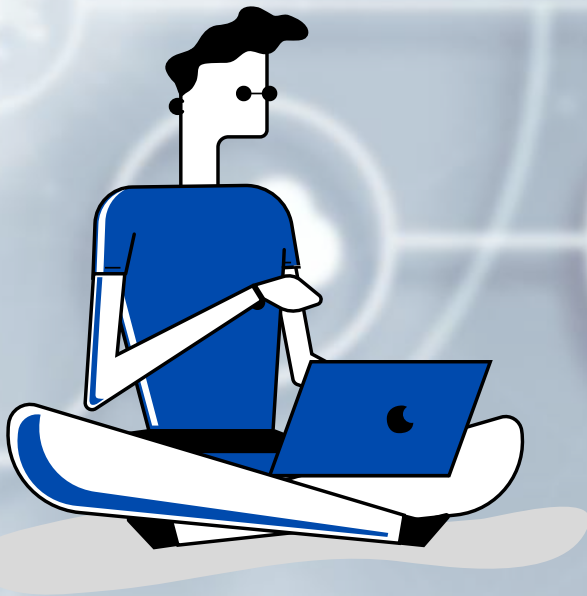
Robotic Process Automation Using UiPath Studio

2nd February, 2021

Robotic Process Automation is the technology that allows the automation of the task in exactly the way how a human does. RPA can be used to automate labour-intensive tasks such as back-office processes, data entry, data validation etc.


With regards to this, the School of CIT organised a - "One Day Hands-On Robotic Process Automation" workshop in association with the RPA Club and UiPath Studio.

The workshop served as an immensely knowledgeable platform as all the students got to deep-dive into the worlds of business and workflow automation which helped them in achieve a practical sense of the skill.



REVA UNIVERSITY
Bengaluru, India
Established as per the section 2(f) of the UGC Act, 1956
Approved by AICTE, COA and BCI, New Delhi



School of Computing and Information Technology
 School of Computer Science and Engineering
 in association with RPA Club and 

Organises

**One Day Hands-on Workshop on
 Robotic Process Automation using UiPath Studio**

Date: 13th February, 2021
Time: 9:30 A. M. to 4:00 P. M.

Venue: Swami Vivekananda Block
 Justice Hegde Seminar Hall

www.reva.edu





Student Club Inauguration

5th February, 2021

Earlier in 2021 we had the privilege to witness the inauguration of three student clubs at Reva university by the School of C&IT.

Namely,

1. Artificial Intelligence and Machine Learning
2. Robotic Process Automation
3. Internet of Things.

These clubs are focused on emerging technologies such as AI-ML, IoT and RPA. These clubs are intended to give the students the benefit of having exposure in their interested field and up-skill all students by conducting various technical events.

These clubs help students think outside the box by not limiting the learning process to classroom-based learning by introducing various other methods of learning such as peer-peer learning, team works and much more.

The students will be able to build leadership skills and teamwork abilities, as the students will be playing major roles in organising and coordinating all the events and activities conducted by the club under the guidance of the school faculty.

A few of the events that are going to be organised in these clubs are:

- Technical talks by industry experts/alumni experts
- Hands-on training programs/Workshops on new programming languages/tools as required by the industry
- Hackathons
- Idea competitions
- Innovations and start-up support by REVA NEST
- Product developments and technology transfer support by REVA NEST and much more.

We encourage the students to actively participate in these clubs and make the most of it because learning is a process, not a destination.



Intellectual Property Rights Workshop

18th & 19th March, 2021

IPR is the creative work or innovation done by an individual or a team. The work done has to be protected by law to avoid wrong use of the work or use by someone else for economic purposes. Hence IPR helps us to understand how to protect our creation and generate some revenue from creation.

This faculty development program included sessions on awareness of IPR, filing procedures, performing prior art searches and more.

The participants learned and understood how to make use of the IPR cell within the university, to protect and commercialise IP generated through their research.

The most important lesson of all was 'Valuing Intellectual Property'.



With the presence of Mr Vivek Anand Sagar, Dr Sunil Kumar S. Manvi and Dr M. Dhanamjaya, this workshop was a grand success with a huge list of key takeaways for the professors.



Awareness Program on Industry Projects and Startups.

19th March, 2021



The program aimed at bringing awareness among students about industry projects (in various domains and inter-disciplinary areas) and startups. The Details of live Projects in defence sectors, banking sectors, aerospace industries, healthcare industries, and other government and IT sectors will be briefed to students so that students will plan to work on similar projects and acquire the necessary skills to become industry-ready.



The Eminent speakers from DRDO, TCS, Cognizant, and other industries are invited to give awareness about live industry projects to the students. Various opportunities available in becoming entrepreneurs by venturing into Startups will also be detailed by eminent speakers. The Awareness about REVA NEST, its functions, and opportunities for students to create startups will also be discussed in the program.

DELEGATES

1. Mr. Mahesh Koppa, Scientist 'F', LRDE, DRDO, Government of India, Ministry of Defense, Bangalore
2. Mr. Pramod Kattimani, Program Manager, Aero Space Domain, TCS, Bangalore
3. Mr. Sanjay Kumar Shah, Head, Business Development, Bridge Now/umlaut, Bangalore
4. Mr. Amit Bhargava, Associate Director, L & T Infotech, Bangalore.
5. Mr. Rathan M, UIIC, REVA University, Bangalore.





PROGRAM ON ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING USING PYTHON

7th ~ 9th April, 2021

Artificial Intelligence and Machine Learning is an intensive program designed to up-skill professionals to develop AI-based solutions for the needs of individuals, society, industries, and other sectors.

This program offered a practical training program on AI and ML using python for building business models for analytics. It is designed to give the participant enough exposure to the variety of applications that can be built using techniques covered under this program.

The course is designed for Scientists/Project Managers/Team Leads/Software Engineers and other professionals working in Industry and government organizations.

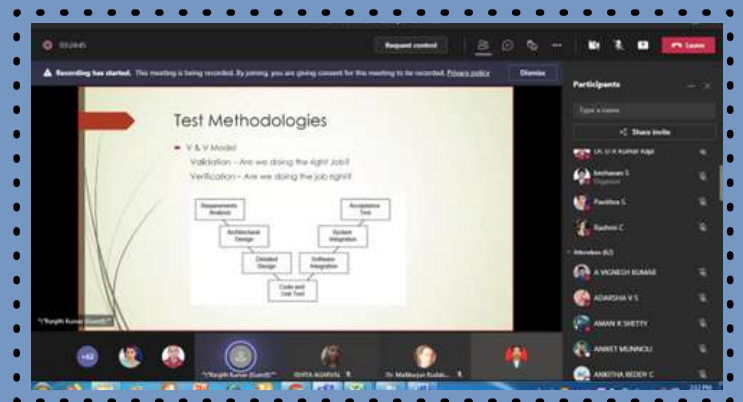




Software Testing & Automation

24th April, 2021

- The School of Computing and Information Technology, REVA University organized a webinar on "Software Testing and Automation" for the students of B.Tech in Computer Science and Information Technology from 1.30 p.m. to 3.30 p.m.
- The webinar was delivered by Mr. Ranjith Kumar D R, Senior Automation Engineer, Vanguard, Melbourne, Australia.
- The webinar focused on bringing awareness among students about software testing and automation using selenium and become a successful software test engineer



"Coding is the key to success for software engineers. "
-Dr Mallikarjun M Kodabagi

International Panel Discussion on IT Technology Trends in Strategic Sector and Opportunities for Multi-Disciplinary Engineers

10th June, 2021

The School of Computing and Information Technology in association with R & I Council, REVA University organized an International Panel Discussion on IT Technology Trends in Strategic Sector and opportunities for Multi-Disciplinary Engineers for the faculty and research scholars on 10-06-2021 at 11:00 AM, an event to get awareness about Latest Technologies in various fields and opportunities for engineers.

School of Computing and Information Technology
in association with Research and Innovation Council
Organises

International Panel Discussion on
IT Technology Trends in Strategic Sector and
Opportunities for Multidisciplinary Engineers

Date: 10th June, 2021 **Time: 11:00 A. M.**

Resource Persons

 Dr. Palaiahnakote Shivakumara Department of Computer System & Technology University of Malaya Malaysia	 Dr. Shashidhar G Koolagudi Associate Professor & Head Department of Computer Science & Engineering NITK, Surathkal
 Dr. Asadi Srivasulu Head - Research & Professor Information Technology BlueCrest University, Monrovia, Liberia	 Mr. Vinod S Chippalkatti President Strategic Electronics Business Unit (SEBU) Centum Electronics Limited, Bengaluru
 Dr. J B Simha CTO ABIBA Systems, Bengaluru	

The International Panel Discussion focused on the following topics:

- Importance of Research
- Understanding the importance of Multi-disciplinary research,
- Trends in IT Sector
- Opportunities in Inter-disciplinary and multi-disciplinary fields
- Career paths in Multi-Disciplinary area



Faculty Development Program on CYBERSECURITY *9th ~ 13th August, 2021*

The School of Computing and Information Technology, REVA University organised a Faculty Development Program on "CYBERSECURITY" in association with PurpleSynapz Industries.

The 5-day program was dedicated to providing a broad level overview of global Cybersecurity, context, the paradigm shift in Cybersecurity education and to setting up a functional Cybersecurity lab that can be used by faculty and students to understand the concepts.

The FDP was conducted in hybrid mode, online on the first day and offline (with hands-on sessions) for the remaining days.



INTERNATIONAL CONFERENCE ON COMPUTING COMMUNICATION AND CYBER PHYSICAL SYSTEMS (IC3CPS)



26th & 27th October, 2021

The School of Computing and Information Technology (SCIT) of REVA University in association with University Malaya (UM) organised an international conference on computing, communication and cyber physical systems (IC3CPS).

The aim of the conference was to provide a unique platform for exchange of ideas and synergy among researchers, academicians, industrial experts, and entrepreneurs across the globe in a gamut of divergent engineering and technology disciplines. Articles on state-of-the-art innovations in computing, communication and cyber physical systems including latest research trends and developments in emerging areas were encouraged.

All the accepted and registered papers were recommended to SCOPUS indexed (Q2 or Q3 rating) Journals for publication.



Art & Poetry



Jeevika M Y



Ishita Agrawal



Deepika S



Bhanu Priya B



Jeevika M Y



Deepika S



Ishita Agrawal



Bhanu Priya B



Bhanu Priya B

- ಮೊದಲನೇ ವರುಷದ ಮಳೆ -

ಹಳೆಯ ವಸಂತ ಕಳೆದು
ನವ ವಸಂತ ಕಾಲದ
ಮೊದಲ ಮಳೆ ! ಅದು ಪ್ರಕೃತಿ ರಮಣೀಯ
ಸಹಜ ನಿಯಮ.
ಮೊದಲ ಮಳೆ , ಹಳೆಯ ಕೆಲವು ಕೆಟ್ಟ
ಘಟನೆಗಳಿಂದ
ದುಷ್ಟರ ಸವಾರಿ ಬಿಟ್ಟು , ನವನವೀನ
ವಾತಾವರಣದಲ್ಲಿ
ಜೀವಿಸಲು ತಯಾರಿಯಲ್ಲಿ ಮುಂದೆ ನಿಂತು
ನಿಸರ್ಗ ಸಹಜ ಸೌಂದರ್ಯ ಲಹರಿಯ
ಮೇಲೆ ನಮ್ಮ ಕಾಯಕ ಮುಂದೆ ಸಾಗಲಿ
ಮೊದಲ ಮಳೆ ನೀರು , ನಮ್ಮ ಜೀವನದಲ್ಲಿ
ಒಂದು ಅಂಗ ಅದುವೇ
ಮೊದಲನೇ ವರುಷದ ಮಳೆ
- ಮನಸ್ಸು

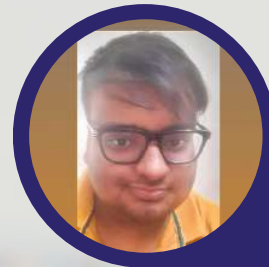


Mallaya Mathapathi
3rd Yr. CSIT

STUDENT ACHIEVEMENTS



ISHITA AGRAWAL
Student Chair, IEEE SBRU



Raman Deep S
SSC Chair, IEEE SBRU

We are proud to acknowledge that two of our students have managed to secure positions in IEEE Student Branch of REVA University.

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.





Dandiya Vibes

2nd November, 2021

It was indeed a night at Reva and a memorable one for our department as we strived past others to win the first prize at *DANDIYA*!

Dandiya is a folk dance performed during the festival of *Navaratri*.

Our department teachers as well as the students drew this beautiful art form which is known by the name *rangoli* to celebrate this Navaratri!



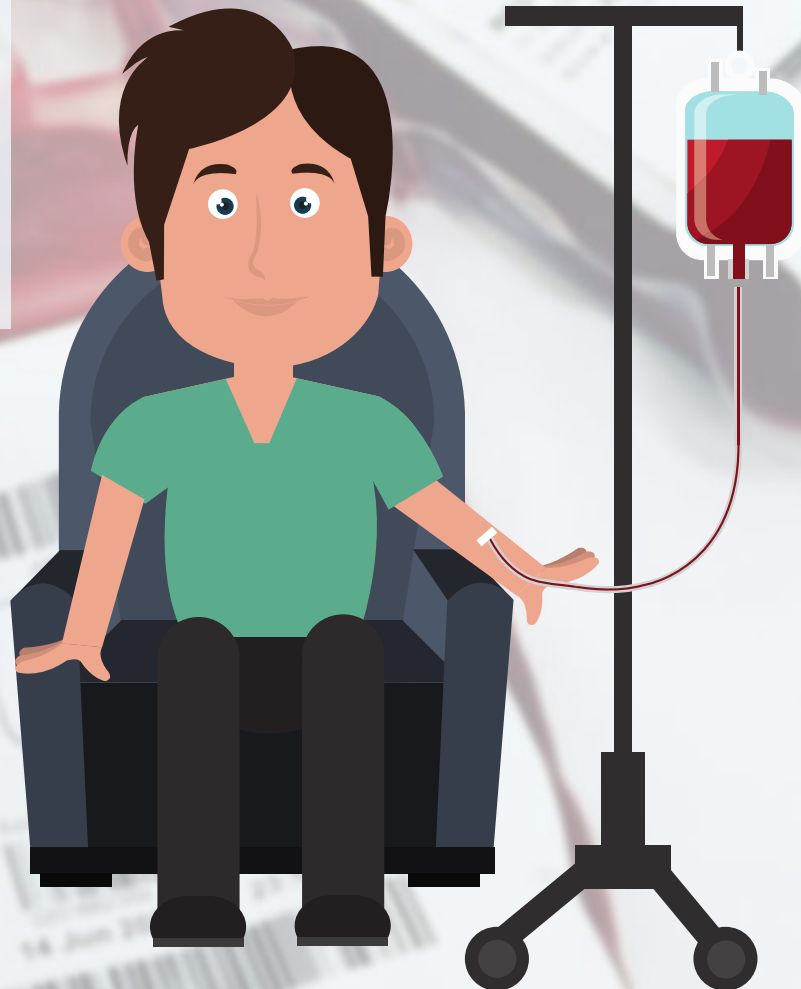
Blood Donation Camp

30th November, 2021

Blood donation refers to a practice where people donate their blood to people so it helps them with their health problems. Donating blood saves lives and helps people overcome their critical situations. The blood donor's body gets revitalised and generates new cells which freshen it up.

School of CIT along with NCC and NSS units of REVA University conducted a Blood Donation Camp, inspiring and encouraging the youth for donating blood.

***DONATE BLOOD
AND BE THE
REASON FOR A
SMILE ON
SOMEONE'S
FACE.***



Chrysalis – Cultural Week



With mehendi contests, mock IPL auctions, talent and fashion shows, the cultural week hosted by the school of CIT was beyond remarkable!





:- 'Ethnic Day 2021-22'



Mr. Fresher



Ms. Fresher



Best Dressed Male & Female



Cultural Show Winners



Coder's High

3rd December, 2021

The school of CIT has always been exceptional in providing students with great opportunities to expand their skill set and improve their knowledge.

Coder's High was one such event where the students had the opportunity to put their coding skills to test. The event was conducted for the students of 3rd semester of the school of CIT.

The students were given 10 problem statements, the winners were decided on the basis of the total time taken to solve all the problem statements and the quality of problem solving.

Kudos to Jamin Enock, (Student Co-ordinator) & his team, for making it a grand success.



Bits & Codes


6th ~ 7th December, 2021

The next event Hackathon, Bits and Codes, was a two day event which was conducted for all the 3rd and 5th semester students. In this contest the students had to come up solutions for the given problem statements.

The students actively participated in the contest and came up with innovative solutions leaving the teachers with a hard time to decide the winners.

Special thanks to Mr. Arun Bethur and Sumukha B G, (Student Co-ordinator), for guiding the students through the whole event and providing them with necessary tools.





“Plant a tree today, it will help us breathe tomorrow.”

8th December, 2021

The NSS Unit in association with School of Computer Science Engineering and Computing & Information Technology, REVA University organised “REVA VANAMAHOTSAVA”. A tree plantation drive in Haradi village, H-Cross, Sidalagatta, Chikkaballapura (47.1 Km from REVA University).



Planted 500 saplings with 110 students and 30 staff members. All the saplings were planted in the Haradi Village in Government forest land. Staff members and students of REVA University also took an oath to look after the planted saplings, plant more and more trees and encourage others to do the same. Planted saplings were uploaded in REVA Tree Plantation Mentoring System





A TRIBUTE TO APPU

17th December, 2021



To commemorate the loss of Kannada cinema's reigning star, the school of CIT organised an event to pay a tribute to Puneeth Rajkumar who was lovingly called 'ಅಪ್ಪು' and 'ಪವರ್ ಸ್ಟಾರ್' by his fans. The event took off with a heart-warming welcome speech followed by the lamp lighting ceremony. A video that portrayed the highlights of his acting career was played which reminisced all the roles he played which emotionally moved the crowd.

A well-thought-out act involving all his famous dialogues was presented by the students. The growing crowd signified how much he is loved and will always remain in our hearts.

To honour his demise, a two-minute silence was observed. The students and teachers expressed their love for Appu by singing and dancing to their favourite songs from his movies.

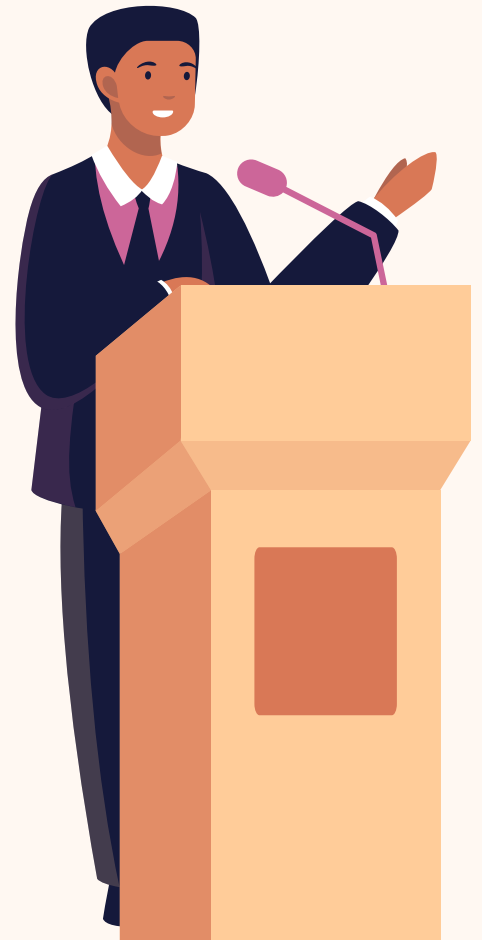


TECHNICAL TALK ON SOCIAL IOT & APPLICATIONS

The School of Computing and Information Technology Organised a technical talk on "*SOCIAL IOT & APPLICATIONS*".

The program aimed at bringing awareness among students about the social Internet of things and applications.

Dr Mallikarjuna M. Kodabagi spoke about the importance of the Social IoT and application with some real-time examples





FROM THE STAY AT HOME 'HUSTLE', TO THE POST-PANDEMIC 'GRIND'.

– Meena Chidambaram

By now, I think all of us will have a story to tell our grandchildren, the most unexpected, uncertain one yet, the one that got us attending classes straight out of bed.

Almost so suddenly, the words, “lockdown” and “masks”, became synonymous with our daily lives. A couple of phrases that only students would find familiar would be “Students, am I audible?” Or “Students, can you see my screen?”.

No one expected the phrase, “Please come to class at Room X” to become “Please click on this to join my class”. But, between the lively offline classes and the convenient online classes, we all found our common ground.

They say, “You’ll only realise the value of something when it’s gone.” I don’t think a better situation would have come into place than this.

After months of attending classes online and meeting new professors virtually, coming back to college was like taking a breath of fresh air.

The longing for tea breaks with friends and the “Come to RollMe” group texts, all of it felt like new beginnings with old memories waiting to come to life.

In all honesty, we left the college as first-year students pre-pandemic and came back as third-year students, with bigger dreams, higher aspirations and more responsibilities.

Are we wiser? Only time will tell.

But a few things will never change, and those are etched into everyone’s minds as their own personalised slideshows.

SPORTS FOR ALL

- by Mohammed Aleem



Sports boost our overall health. We might enjoy playing sports because we can spend time with our friends. Or maybe we like sports because they keep us fit. Sports benefit our mental health too. Playing them makes you happier or less stressed.

Exercises of 20-30 minutes a day will make a person more active, as well as more, concentrated on a task. They prevent us from the diseases like obesity, heart-related diseases, over-stress, type-2 diabetes, and many more.

Playing a team sport will improve team coordination, group work, much more concentration on real-world applications, added ideas towards solving a particular problem.

A study of teenagers found that those who played in team sports were less likely to smoke cigarettes and use cannabis as adults. Researchers in Korea also recommended the use of sports to help teens combat internet addiction, whereas we are watching today's kids are more addicted to online games and resulting in a lack of humanity and poor mental health.

Sport and other forms of physical activity improve the quality of sleep. It does this by helping you fall asleep faster and deepening your sleep. Sleeping better can improve your mental outlook the next day, as well as improve your mood. Just be careful not to engage in sports too late in the day. Evening practices within a few hours of bedtime may leave you too energised to sleep!

A special mention to Mohammed Aleem, CSIT (Batch of 2023) for representing Karnataka (U-19) in the South Zone Tennis Ball Cricket Championship 2020, organised by Telangana Tennis Ball Cricket Association.



Faculty Spotlight

A hearty congratulations to our faculty who have been recognised through university awards, highly cited papers, as well as various teaching awards!



**Dr. Mallikarjun M
Kodabagi**

Dr. Mallikarjun M Kodabagi, Director, School of CIT

- ***Inducted as Senior Member, IEEE***
- ***Felicitated as Academic Council Member in KLS Gogte Institute of Technology (GIT), Belgaum***
- ***Editor In International Journal of Science Technology Management and Engineering***

Dr. N Thillaiarasu, Assoc. Professor, School of CIT

- **Editor board member of editing books titled:**
 - **"Machine Learning Methods for Engineering Application Development", Bentham Science, 2021**
 - **"Cyber Security for Modern Engineering Operations Management: Towards Intelligent Industry" - CRC Press Taylor and Francis, 2021**
 - **"Design Principle, Modernisation and Techniques in Artificial Intelligence for IoT: Advance Technologies, Developments, and Challenges" - CRC Press Taylor and Francis, 2021**



Dr. N Thillaiarasu



Dr. G Parthasarathy

Dr. G Parthasarathy, Assoc. Professor, School of CIT

- **Board of Studies Member at Manav Rachna University**
- **Editor for Book Notion Press Publication**
- **Guest Editor in J. of Information & Knowledge Management (JIKM), Journal of Computers and Electrical Engineering**

Faculty Spotlight



DR. M SANGEETHA

Dr. M Sangeetha, Asst. Professor, School of CIT

Congratulations to Dr. M. Sangeetha for completing her doctoral research degree at Visvesvaraya Technological University, on the thesis titled, "To provide a secured access control of encryption data in cloud storage using attribute-based encryption", under her guide Dr. P. Vijay Karthick.



Mr. Syed Thouheed Ahmed

Asst. Professor, School of CIT

**Board of Studies Member in
KBN University, Kalaburagi**



Ms. K Anitha

Asst. Professor, School of CIT

**"BYOS (Be Your Own
Saviour)" - Best Paper
Award**



Ms. Rashmi C

Asst. Professor, School of CIT

**"Connecting User Profiles of
Social networks
Using Proximity Measure"
- Best Paper Award**



**We are proud to acknowledge these
achievements that make our teachers
experts in their fields!**

Meet the Founding Editors



Prof. Syed Thouheed Ahmed
Mentor



MEENA CHIDAMBARAM
Editor-in-Chief
3rd Yr. CSIT A



ISHITA AGRAWAL
Co Editor-in-Chief
3rd Yr. CSIT A



CHARISHNA K REDDY
Managing Editor
3rd Yr. CSIT B



ADARSHA V S
Editor - Cultural
3rd Yr. CSIT B



RAMANDEEP S
Editor - Technical
3rd Yr. CSIT B



MOHAMMED ALEEM
Editor - Sports
3rd Yr. CSIT A



DEEPIKA S
Editor - Literature & Research
3rd Yr. CSIT A



BHANUPRIYA B
Editor - Theme & Design
3rd Yr. CSIT A



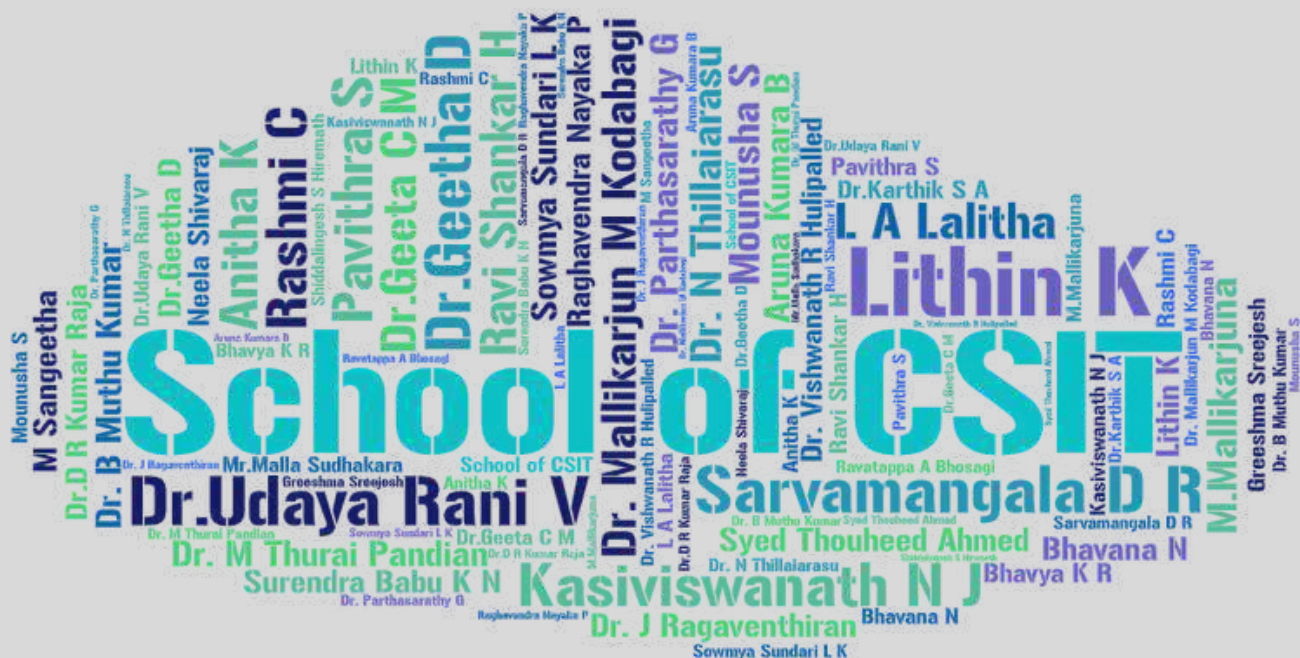
JENS JOY
Editor - Photography
3rd Yr. CSIT A



SUMUKHA B G
Public Relations
3rd Yr. CSIT B

A huge shoutout to Nikhil P. for helping us with the photography and Sanjana V. for proof reading the magazine.

Introducing to you the the pillars of the School of CIT. With excellent pedagogical techniques, they ensure that the class is interesting and fun to learn. The highly qualifled individuals are also active in various other curricular activities and keep striving to learn new things.



The resilient student representatives...



The Editorial Committee



The Student Forum

Batch of 2023

The pilot batches...



CSIT-A



CSIT-B



AIML-A



AIML-B

Batch of 2024



CSIT-A



CSIT-B



CSSE



ISE

Batch of 2024



AIML-A



AIML-B



AIML-C



CSIT-A



CSIT-B



CSIT-C

Batch of 2025

Batch of 2025



CSSE



ISE



Lateral Entry



M.Tech AI & M.Tech Cyber Security

"Strive not to be a success, but rather to be of value."

~Albert Einstein

