TECH SAMACHAR

Fuel your mind! Ignite your Imagination!!!

CSE
Department of
COMPUTER SCIENCE & Engineering

Department of Computer Science and Engineering

VISION

" To contribute to Global Development by producing Knowledgeable and Quality professionals who are Innovative and Successful in advanced field of Computer Science & Engineering to adapt the changing Employment demands and social need "

MISSION

M1: To provide Quality Education for students, to build Confidence by developing their Technical Skills to make them Competitive Computer Science Engineers.

M2: To facilitate Innovation & Research for students and faculty and to provide Internship opportunities

M3: To Collaborate with educational institutions and industries for Excellence in Teaching and Research.

About the Department

The Department of Computer Science & Engineering was started in the year 2001 is known for imparting Quality education and carrying out cutting edge research. In addition to the UG program, PG CSE program and Research facilities for Ph.D. The department offers undergraduate program and has a comprehensive curriculum on topics related to software and hardware with an emphasis on theoretical and practical learning. It has well equipped, state of the art laboratories supported by highspeed Internet and wireless networks.

The students of CSE Department deliver value to the department with a dynamic character and active culture towards learning and delivering through assigned projects guided by faculty. The faculty members are highly qualified experienced and dedicated. All faculty members are masters, some doctorates and few are pursuing their Ph.D. from various reputed universities. All are inspired in delivering top class education blending their research in the area of information technology. The infrastructure of the department provides the student and staff a conducive learning environment.

The Department regularly organizes industrial visits, conferences, workshops, technical talks, project exhibitions for the faculty and students training by using in- house resources as well as industry experts. This helps in effectively bridging the gap between academic and industry.

From Chairman's Desk

Dr K. R. Paramahamsa

Chairman, AMC – CITY – BROOKLYN – CAMBRIDGE Group of Institutions

Tech Samachar is particularly important as it encourages the students to share the knowledge they have acquired. Writing articles for the Newsletter also improves the communication skills of the budding engineers of the Computer Science and Engineering Department. It is common knowledge that representation of an idea is as important as, if not more important, than the idea itself.

Tech Samachar aims to inspire and nurture upcoming Engineers to bring a revolution in this ever-evolving world of Technology. The Newsletter captures the current Technological advancements.

To conclude I would like to congratulate the faculty and the students of the editorial team on bringing out this Issue of Tech Samachar. I am glad to see that they have lived up to the high standards and my best wishes to the students for a bright future.

Dr. Thippeswamy H N

Principal, City Engineering College

Congratulations to the students and faculty associated to Newsletter committee for successfully publishing this Issue of Departmental Technical Newsletter Tech Samachar. Tech Samachar is creating platform which provides an opportunity to the students and staff to express their original thoughts on technical topics.

The Newsletter plays an important role in providing exposure to the students to develop written communication skills and command over the language. It is a step towards building professional and ethical attitude in them. The entire journey of creating Tech Samachar is an outcome of rigorous effort made by students and faculty. Students not only gain the knowledge about the latest technological developments and advancements through reading and writing articles but they also develop verbal and written communication skills.

On concluding note, I would like to thank all the stakeholders for their involvement and encouragement and wish All the Best for their bright future.

Dr. Sowmya

HOD, Computer Science and Engineering

It is a moment of joy and great satisfaction to bring out the Volume 2, Issue 1 of Tech Samachar, Monthly Newsletter from department of Computer Science and Engineering. Tech Samachar is a platform where all the department activities are brought under one folder. This monthly newsletter showcases active involvement of our students in various creative events, hidden talents of our aspiring students and highlights the milestones attained by the Institution and achievements of department.

Tech Samachar is all about the technology that motivates students to do something, that leaves an eternal mark on the world of Technology. Thus, it was our job to ensure inspiring technological developments are being brought to the students of CEC, by the students of CEC itself. I congratulate the entire editorial team for their effort in bringing out "Tech Samachar" in a very innovative way.

From Editor's Desk

It is indeed a great pleasure to introduce "Tech Samachar" Volume 2 Issue 1. At the outset, on behalf of the entire Computer Science and Engineering Department and all the readers we extend our whole hearted gratitude to our beloved Chairman, Dr. K. R. PARAMAHAMSA, to our principal Dr. Thippeswamy H N, and also to our HOD Dr. Sowmya, for their dynamic, inspirational, enthusiastic contribution and motivation towards our department also boosting our confidence for the publishing Monthly Newsletter TECH SAMACHAR. This technical newsletter named 'TECH SAMACHAR' signifies an giving out of current technical datum. We are happy to see such enthusiasm in the members of the college towards contributing to this magazine. Team 'TECH SAMACHAR' will always remain grateful for the massive support and interest shown by you all.

Computer Science and Engineering is an ever-expanding field and the power what technology holds today is definitely beyond one's imagination rendering impressive set of ideas. We hope all the readers will enjoy this issue as much as we enjoyed creating it.

 Happy Reading!!

Prof. AMBIKA P R*, Asst. Professor, CSE*
Prof. ARCHANA BHAT*, Asst. Professor, CSE*
Prof. LAXMI M C*, Asst. Professor, CSE*

STUDENT EDITORIAL TEAM

Namratha S, 8th Sem

Karthik A.N, 8th Sem

Udank Aarun Jain, 8th Sem

Priya Singh, 8th Sem

Mrudula S, 6th Sem

Iqra Fathima, 6th Sem

Charan Simha D, 6th Sem

Shalini R, 6th Sem

Rahul Mulge, 6th Sem

CONTENTS

TECHNICAL ACTIVITIES

A five days Faculty Development Programme on "Issues, Opportunities and challenges in IOT" was successfully conducted in the City Engineering College, from 21st to 25th March 2022 by Department of Computer Science and Engineering.

TECHNICAL ACTIVITIES

Dr. Thippeswamy H N, Principal, CEC, delivering lecture on "Environmental Awareness"

Dr. N Rajasekhar Reddy, demonstrating "Block Chain Technology"

Dr. S Vagdevi, delivering a talk on "Information Security"

Prof. B. Vivekavardhana Reddy, explaining "GNU project debugger"

TECHNICAL ACTIVITIES

Dr. Nandakumar A N, delivering a lecture on "Image Processing - a Research Perspective"

Dr. Shalini Prasad, demonstrating "Embedding System and Tinkercad"

Dr. Sowmya Naik, presenting a talk on "Intelligent Transportation System"

Prof. Ambika P R, explaining 'Artificial Intelligence of Things"

TECHNICAL ACTIVITIES

Prof. Ravindra S, Demonstrating "Signal Processing and its Applications"

Dr. Y S Kumaraswamy, explaining "IOT-An Application in Indian Satellite Images"

TECHNICAL ACTIVITIES

Tech Puzzle was organized for the 6th semester students on April 22, 2022. This activity assesses the students' knowledge of the computer science technology and exercises **the students' critical thinking skills.**

TECHNICAL ACTIVITIES

Day 1: Session Content

Reforming Healthcare with AI, how to deal with text data, what kind of processing is needed, Tokenization, Lemmatization, vectorization, connecting with API, Web scrapping, Conversion of text to speech, Designing AI based chatbot with medical data.

TECHNICAL ACTIVITIES

Day 2: Session Content:
ML in Healthcare: ML algorithms, tasks, dealing with data, feature engineering, disease   detection and classification.

TECHNICAL ACTIVITIES

A Technical Talk on "Renewable energy and its applications" was held on 29th April 2022 at 11:00 AM in CSE seminar hall By Dr. N. Ranganath, CEO and MD, EI Technology, Jayanagar,4T Block.

The MoU between college and company has been done in view of training the students in the area of AI, ML, DL, Civil and Mechanicalfield for the future skill India has been signed.

TECHNICAL ACTIVITIES

Dr. N. Ranganath, discussed about the issues, challenges and opportunities in the field of renewal energy and. His informative session enhanced the knowledge about Renewable energy and its applications to all the participants.

ORIENTATION PROGRAMME

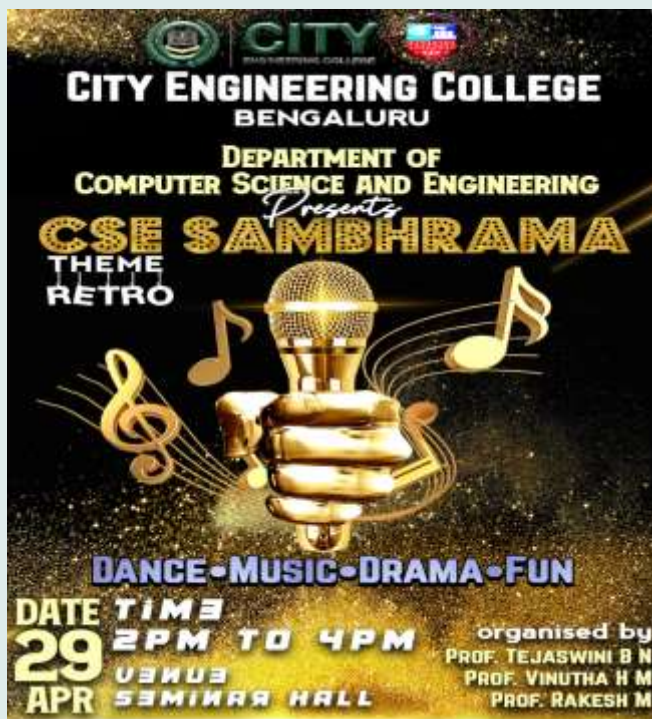**An orientation programme** was organized for 8th semester students on April 18, 2022, and for 6th semester students on April 20, 2022. The main aim of the program was to give the students an insight into the various aspects of department and college activities.

CULTURAL ACTIVITIES

Cultural activity "CSE SAMBHRAMA" for 6th and 8th semester students was held on 29th April 2022 at 2:00 to 4PM in CSE seminar Hall.

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

PARENT TEACHER MEETING

The Parent Teacher's Meeting for the 7th semester [A&B section] was organized by the Department of Computer Science and Engineering on 26th March 2022 at 10:00 am. The main purpose of meet was to create a common platform, where teacher and parents come together to enrich the student's placements and educational experiences, regarding all round development of students.

DEPARTMENT ACHIEVEMENTS

Congratulations to the Project Team for getting fund from KSCST 45th series of Student Project Programme -2021-22

Project Team: Ms. Renuka Suresh, Mr. Prashanth Kumar N, Ms. Sahana M.R, Ms. Aishwarya H.S
Project Guide: Dr. N. Rajashekar Reddy, Mrs. Laxmi M.C

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012
Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 060-2334 1652,2334 8848/49/40

45th series of Student Project Programme (SPP): 2021-22

List of Student Project Proposals Approved for Sponsorship

38. CITY ENGINEERING COLLEGE, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN RS.)
228.	45S_BE_2433	AI-BASED CROP EXHORTATION IN THE CLOUD	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. N. RAJASHEKAR REDDY Mrs. LAXMI M C	Ms. RENUKA SURESH Mr. PRASHANTH KUMAR N Ms. SAHANA M R Ms. AISHWARYA H S	6,000.00

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT ACHIEVEMENTS

Dr. Y.S Kumaraswamy, Professor, Dept. of CSE participated as "Jury" in conduction of 6th national Level Techno Exhibition-2022 organized by Dr. Ambedkar Institute of Technology, Bangalore.

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT ACHIEVEMENTS

Prof. Shashikala H. C, Asst. Professor, Dept. of CSE participated in FDP on "Microsoft Azure Data Fundamentals" on 29th march 2022 to 31st March 2022.

Prof. Ambika P.R, Asst. Professor, Dept. of CSE participated in FDP on "Microsoft Azure Machine Learning and Artificial Intelligence" on 15th march 2022 to 17th March 2022.

PLACEMENT

Master these 7 tips to ace placement rounds with ease

Placements season is always full of dread and anxiety for young engineering graduates. Whether it is securing your dream job or finding a placement with an organization from your own domain, the stakes are always very high for the students.

Some basic yet very crucial tips to prepare for the upcoming placement season and secure placement with top-notch organizations.

1. Back to the Roots

2. Pick Your Favorite Engineering Subject/ Topic

3. Aptitude Tests

4. Written & Spoken English

5. Interview (Technical)

6. Interview (HR)

7. Build Your Skills Showcase Portfolio

Congratulations

To 2021–22 Batch for getting placed in Campus placement

Namratha S. 1CE18CS046
Cap Gemini , INFOSYS

Mayur G.R. 1CE17CS034
INFOSYS

Spurty Babu Naik
1CE18CS081 **INFOSYS**

Bhavana K 1CE18CS012
INFOSYS

Srilakshmi C S
1CE18CS082 **INFOSYS**

BHAVANA D. A.
1CE18C501 **INFOSYS** ,**WIPRO**

PLACEMENT

It's time to celebrate!

Your talent and your ability to work hard will get you anywhere you want to see yourself in life. It's just the beginning!
Congratulations!

Job searching is hard work, and it can be a challenge to stay motivated. There are a lot of ups and downs, and a job seeker may feel frustrating or just want to give up.

No matter how hard your job search is, keep at it. You might hear no many times, but soon you'll hear a yes. Good luck to all job seekers.

DON'T STOP UNTIL YOU'RE PROUD

Congratulations

TO 2021–22 BATCH FOR GETTING PLACED IN CAMPUS PLACEMENT

Amulya K. J. 1CE18CS006
INFOSYS

Vinuth S. 1CE18CS101
INFOSYS

Karthik A N 1CE18CS030
WIPRO

Kevin V. 1CE18CS036
WIPRO

Udanka Aarunjain 1CE18CS090
Msys. Technologies

Khavya. 1CE18CS033
TECHNOLOGICS Global

Survi Kumari 1CE18CS030
Cap Gemini

CITY
ENGINEERING COLLEGE
Jayanagar Education Society (R)

VISION

Making Remarkable Contribution by Disseminating Knowledge on emerging trends in Engineering and Technology through various Programmes to Excel in Quality both at National and International level and to provide Career Guidance & Training for Employment.

MISSION

M1-To Encourage Knowledge Acquisition and Faster Innovation and Research.

M2-To Prepare Students for Immediate Employment, leading to Technological and Socio-Economical growth.

M3-To Provide Guidance for a productive career under various programmes.

OUR STORY

City Group of Institutions, established in 2001 by a prominent educationist Dr K R Paramahamsa are spread across five campuses in Bengaluru imparting quality education to thousands of students through its Schools, PU Colleges, Engineering Colleges, Commerce and Management Colleges, Faculty of Science and Computer Applications and Research Centres.

The group is committed to offering programs that promotes theoretical, analytical and logical growth of students through selected combinations of general education and skill specific value added programs across verticals to achieve outstanding academic output.

City Engineering College was established under Jayanagar Education Society and located in Vasanthpura, Kanakapura Road, Bengaluru. The Campus has spread out in 12 acres of land with unique style of buildings.

The institution believes in providing high quality education to the prospective professionals of the country for which necessary quality bench marks have been put in place, in the areas of faculty recruitment, development, training & placement, teaching process, student's grooming, external academic audits and feedback system for academic enhancement.

COURSES OFFERED

- B.E Computer Science & Engineering
- B.E Artificial Intelligence & Machine Learning
- B.E Electronics & Communication Engineering
- B.E Information Science & Engineering
- B.E Mechanical Engineering
- B.E Civil Engineering

M.Tech Computer Science & Engineering

RESEARCH CENTRE

- Computer Science & Engineering
- Mechanical Engineering

CITY ENGINEERING COLLEGE

CITY ENGINEERING COLLEGE