



THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING E-NEWSLETTER 2020-21

The Department of Computer Science & Engineering is pleased to present its annual e-newsletter for the year 2020-21. This e-newsletter details the activities and achievements of our esteemed department.

OUR VISION:

“Seeks to become a universally well-known academic centre for teaching, learning, research and innovation in the field of Computer Science & Engineering.”

OUR MISSION:

M1: Impart quality education with an emphasis on basic principles of Computer Science and Engineering.

M2: Inculcate advancements in curriculum and pedagogy to enhance the teaching and learning process.

M3: Foster research and collaboration with premier institutions and industries.

M4: Promote innovation and entrepreneurship for the betterment of society.

PROGRAM EDUCATIONAL OBJECTIVES (PEO):

PEO 1 - Excel in a professional career across industries and institutions that emphasises Innovation and problem solving.

PEO 2 - Collaborate successfully with peers, colleagues and organisations.

PEO 3 - Work as ethical and responsible members of the computing profession and society.

National/State Level Events Conducted By Department Clubs

FOSS BYTES:

1. DeCrypto: A non-technical online event where the participants were given a set of pictures which had to be decrypted to get the answer.
2. CodeCon: CodeCon was an online coding event which went on for three consecutive days where participants had to solve problems related to real world scenarios.
3. Inauguration: At The inauguration, many technical and non-technical events were conducted. The events include Jingle, Guess who's behind, Mixers, Pick and act, and Find me. The event marked the beginning of FOSS BYTES and aimed at introducing the students, especially the first year students to the campus clubs and their respective events.



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4. Code War: A technical event which had 3 rounds. The students were required to be in a team of 2. The rounds were fastest coder, blind coding and Distractive Coding. In each round teams were eliminated based on their performance.

5. Gaming: A non-technical event for all the gaming enthusiasts (Counter Strike)

6. Bermuda Triangle: The students were required to complete the code of their teammates in a specified interval of time. Each team was given 3 questions each where each student had to solve each question for a specified amount of time after which they had to switch and solve the other problems.

7. Code Hunt: It was a technical event similar to treasure hunt and the participants were tested based on their coding skills. They had to make use of code snippets to crack the clue.

FOSS CAMP:

Event 1: Code-Con: An online coding event.

Outcome:

- Improvement in skills of the participants.
- Participants learnt to code under time constraints.

Event 2: Vivechan: A mock placement event that was conducted individually for participants from all the branches.

Outcomes:

- The participants experienced real placements scenarios they would face in future.
- Participants logical, technical, verbal, communication and many other skills were tested.

Event 3: Code-Wars: An online coding event

Outcomes:

- Participants were able to improve their coding skills.
- Participants were able to understand the importance and value of teamwork.



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- Groups were formed based on the academic year of the participants and the best coder was announced as the winner.

Event 4: Decrypto: An online event conducted for 3 days. In this event there were many levels. In each level a few pictures were given and the participants were supposed to identify the word related to those pictures in order to clear that level.

Outcome:

- This event prompted the participants to think out of the box.
- Participants got to explore and learn new words.

Event 5: Android App Development Competition: Consisted of teams of 4 and was conducted for 5 days. The participants were given problem statements for which they were expected to design Android applications.

Developer Student Clubs - JSSSTU

The Google Developer Student Clubs chapter of our University conducted various events and workshops throughout the academic year.

1. DSC Lit
2. 30 Days of Google Cloud
3. DSC Samvad
4. Actions on Google
5. Android Study Jams
6. Code Legacy
7. Community Hour
8. K-Tech Bootcamp

Faculty Awards/achievements/PhDs awarded

Sl. No.	Faculty Name	Designation	Distinction Details
1	Dr. Anil Kumar K.M	Associate Professor	Visiting Researcher, Deakin University.
			BOS Member for Department of Information Science and Engineering, PES College of Engineering
			Expert for evaluation of Campus Network Project and technical specification of desktop computers at All India Institute of Speech and Hearing (AIISH).
			Invited as expert for Recruitment of Technical Staff at Regional Institute of Education, Mysore.
			Member for Department Advisory Board, Computer Science and Engineering, Vidya Vardhaka College of Engineering.
			Appointed as Technical Committee Member for Smart Grid Project, Chamundeshwari Electricity Supply Corporation Limited Mysore
2	Dr Prasanna	Associate	Member of BOE.

	B T	Professor	Member of BOS
			Panel member of Conference
			IEEE transactions reviewer.
			Reviewed many conference papers.
3	Dr. Manimala. S	Assistant professor	Member of BOE, NIE.
			Selection Committee member to select the candidates for the various posts at Regional Institute of Education, Mysore and CFTRI-CSIR.
			Session Chair, Organizing Committee Member, Reviewer for Journal.
4	Sheela N	Assistant professor	Selection Committee member to select the candidates for the various posts at Regional Institute of Education, Mysore and CFTRI-CSIR.

Publications in Journals/Conferences

- Syed, L., Jabeen, S., Manimala, S., & Elsayed, H. A., Data science algorithms and techniques for smart healthcare using IoT and big data analytics. In Smart Techniques for a Smarter Planet (pp. 211-241). Springer, Cham, 2020.
- Chandra Shekhar A M, Monika M R, Sushama J Accident Detection And Alert – An Android App, International Journal for Technological Research in Engineering Volume 7, Issue 10, June 2020.
- Parashivamurthy B M et.al, “A prediction of different technologies for the development of unstructured Bigdata”, International Journal of Innovative Technology and Exploring Engineering, ISSN:2278-3075, Vol 9, Issue 3, January 2020.
- Likitha Pramod, Shripriya Bhat, Anil Kumar K.M., Detection of Cyberbullying in Sarcasm Documents. Journal of Data Mining and Knowledge Engineering, 5(2), 20-29, 2020.
- Meghana A Rajeev, Komal R D, Manjula.S, “Real time driver monitoring system “International Journal for Technological Research in Engineering, Volume 7, Issue 12, August 2020.
- Anitha, Manimala S, “Analysis of Hospital Resources with Mortality Rate”, International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 8, August 2020.
- Varshika Gowda, Praful S Patel , S Anudeep , Dr. Manimala S “Revealing the hidden details of video using motion and colour magnification”, International Journal For Technological Research In Engineering Volume 7, Issue 12, ISSN: 2347 – 4718, August 2020.

- Sheela N, Chaitra C, Priya S, Spoorthy K P, INNOVATION TOWARDS COMMUTE SAFETY AND SAVE FOREST” in International Journal for Technological Research in Engineering Volume 7, Issue 12, ISSN (Online): 2347 – 4718, August 2020.
- Parashiva Murthy B M, Sumithra Devi K A, A Prediction of Different Technologies for the Development of Unstructured Big Data, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020
- Abhijay Kumar Singh, Swetha P M, Manish R Jain, B Akash, Cover Image Modification In Image Steganography Using Generative Adversarial Networks, International Journal For Technological Research In Engineering(IJTRE), ISSN(Online):2347-4718 Volume:7, Issue:12, August 2020.
- Trisiladevi C. Nagavi and Chethana H. T., Face Recognition for Criminal Analysis using Haar Classifier, i-manager’s Journal on Computer Science, Volume 8, Issue 1, Page 14-20, May 2020.
- Prema N S, Pushpalatha M P, Analysis of Association between Caesarean Delivery and Gestational Diabetes Mellitus Using Machine Learning, Proceedings of Engineering and technology innovation, Journal Volume -15, page: 08 – 15, April 2020.
- Vrushab H, Hariprasad M V, K V Sampritha Rao, Mr. Divakara N, Dept. of C S & E, JSS S & T U Mysuru, “WIRELESS DIGITAL NOTICE BOARD USING RASPBERRY PI”, International Journal for Technological Research in Engineering Volume 7, Issue 12, ISSN (Online): 2347-4718, August-2020.
- Shivashankara S and Srinath S, “Signer Independent Real-time Hand Gestures Recognition using Multi-Features Extraction and Various Classifiers”, International Journal of Information Technology, 07th May 2020.



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- Vani H Y, Anusuya M A, “Improving speech recognition using bionic wavelet features”, AIMS Electronics and Electrical Engineering, Vol 4 Issue 2, 2020
- Sheela N, Chaithra C, Rathna Sumana H, Priya S, Spoorthy K P, “Innovation Towards Commute Safety and Save Forest” in International Journal for Technological Research in Engineering Volume 7, Issue 12 ISSN (Online): 2347 – 4718, August-2020.
- S Brunda, Nimish L, Chiranthan S, Arbaaz Khan, “Crop Price prediction using Random Forest and Decision Tree Regression”, International Research Journal of Engineering and Technology (IRJET), e-ISSN:2395-0056, p-ISSN:2395-0072, Volume:07 Issue:09, September 2020.
- Varuni R J, S Brunda, “A Student Advising System using Data Science Techniques” International Research Journal of Engineering and Technology (IRJET), e-ISSN:2395-0056, p-ISSN:2395-0072, Volume:07 Issue:09, September 2020.

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