



**CHRIST**  
(DEEMED TO BE UNIVERSITY)  
BENGALURU · INDIA

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# NEUROFLUENCE

THE OFFICIAL NEWSLETTER OF DEPT. OF CSE, SoET

## **Vision**

ETHICAL COMPUTATIONAL EXCELLENCE

## **Mission**

- Imparts core and contemporary knowledge in the areas of Computation and Information Technology
- Promotes the culture of research and facilitates higher studies
- Acquaints the students with the latest industrial practices, team building and entrepreneurship
- Sensitizes the students to serve for environmental, social & ethical needs of society through lifelong learning.

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## Departmental Activities

1. ASCI – CSI Inauguration (Dept Association) on 8th August 2020 from 11 AM to 1 PM.
2. LMS training session on 10th September 2020, delivered by Ms. Vandana Reddy
3. AI & ML- Machine Learning Lab session- Module 4 for faculty members of SOET commences from 5th October 2020. Faculty Incharge : Dr. Ajith Danti .

# Global Tech Talk

Following are the tech talks organized by Dr. Xavier C and Team

1. “Cloud Computing: the need for agility in Development and Deployment”. Session delivered by Mr. Toby Corballis, Organizational Change Expert, Story Positive limited, London.
2. “Digitally Augmented Workforce at Scale – Combining Human & Virtual Workforce”. Session delivered by Dr. Adam Bujak, Co-Founder and CSO at kyp.al, Germany on 06/11/2020.
3. “Autonomous Systems” session delivered Dr. Yong Wang, Assistant Professor from Dept of System Science and Industrial Engg, Binghamton University, New York. Conducted on 4th December 2020.

## Webinar/Seminar

1. International Seminar on Machine Intelligence (ISMI 2020) was conducted online on 5th December 2020, organized by Dr. Siddhartha Bhattacharya
2. Women in AI – India in Partner with Microsoft Australia organized by Alumini Ms. Divya Maria Sunil, BT(CSE) 2015-19 Batch on 27th November 2020. Faculty Coordinator Mr. Mithun B N
3. Webinar on "CONVERSATIONAL INTERFACES–the Next Gen User Experience" delivered by Dr Prasad Ramanathan, Sr Director, Capgemini and Mr Shreyas Bhargave, Director, Capgemini on 9th October 2020 from 4 PM to 5 PM. Organized by Dr. Ajith Danti.
4. Session on Systems Science by Dr Hiroki Sayama, Binghamton University, State University of New York. Participants from 5th and 7th semester, conducted on 8th & 9th October 2020. Faculty Incharge is Mr. Vinai George Biju.

# Webinar/Seminar

1. Webinar on “Preparation for Open Book Examination” on 6th September 2020, session delivered by Dr. Janet from NIT, Trichy.
2. Dr. A V N Krishna delivered session on “Trends and Advances in Cryptography” from 24th August 2020 to 28th August 2020 at National Level 5 days FDP organized by Sreenidhi Institute of Science and Technology, Telangana.
3. Research Symposium on “Fog and Edge Computing: Challenges and Emerging Trends” on 18th August 2020 , delivered by Dr. Rodrigo Neves Calheiros, Associate Dean - Research, School of Computer, Data and Mathematics Science, Western Sydney University, Australia.
4. Webinar on Machine Learning organized in association with ATS Learning Solutions on 12th August 2020 from 2 PM to 3 PM coordinated by Dr. Ravindranath C.
5. Webinar on Data Science title “Explore the Growing World of Data Science”, by Dr. Ian Renner, Senior faculty, Dept of Science and Technology, University of New Castle Australia on 12th August 2020 from 11 AM to 12.30 PM coordinator by Mr. Vinai George.

# LG Webos Hackathon

- LG WebOS Hackathon (Online Mode) was conducted on 7th October 2020 in Collaboration with LGSI, Bangalore and KNU University, South Korea.
- 18 Teams from CHRIST UNIVERSITY and KNU University have participated. The Results were announced on 15th October 2020.
- The winners from Christ university have bagged cash prize sum of Rs. 1,45,000 under the category of 1st & 3rd Runner up and Outstanding Innovation.

# IIC

The following are the events conducted under IIC:

1. Webinar on Learning CISCO Technology on 03.08.2020
2. Industry Interaction on Design Thinking (Ideate and Innovate) Interactive session was organized by Dept of CSE – ASCII & IIC - Kengeri, Coordinated by Dr. Naveen J, Ms. Gokulapriya R, Mr. Karthikeyan H on 07th October 2020, 3.30 PM to 5 PM.
3. New Innovation Mindset Interactive session organized by Dept of CSE & IIC - Kengeri, Coordinated by, Ms. Gokulapriya R, Mr. Karthikeyan H on 24th October 2020, 6 PM



# Faculty Participation

1. Vinai George Biju has delivered session in National level webinar on “Mapping of Computer Assisted Quantitative Data Analysis Software (CAQDAB) organized by Inter University Centre for Technical Education, The Maharaja Sayairo University of Baroda, Gujarat on 23rd & 24th July 2020.
2. Mr. Flg. officer Michael Mosses T delivered lecture in Technical webinar series 2020 on “Recent trends on Computer Vision” Organized by Mount Zion College of Engineering and Technology, 20th July 2020.
3. Ms. Merin Thomas delivered training in “Global training for teachers” to teachers from 43 countries, affiliated to Malayalam Mission, Govt of Kerala on 25th & 26th July 2020.
4. Dr. Siddhartha Bhattacharyya had delivered session on “Research and IPR Cell “at Dayananda Saga College of Arts & Science, Bangalore on 7th September 2020.
5. Dr. JayaPandian N delivered session on “How to Write & Publish Effective Research Article” at Gnyanamani Institutions on 5th September 2020.
6. Dr. Xavier C delivered session on Artificial Intelligence Technology to Change Humanity on 11th September 2020.

# Faculty Participation

1. Mr. Mithun B N delivered session on “Application & Opportunities in Big Data Technologies” at S. G Balekundri Institute of Technology on 14th September 2020.
2. Dr. Balachandar K has officiated as Session Chair and Keynote Speaker for the International Symposium on Signal and Image Processing (ISSIP) October 21-22, 2020 .
3. Dr. Cherukuri Ravindranath Chowdary delivered session on INSIGHT on BLOCKCHAIN TECHNOLOGY FOR THE FUTURE" on 15th OCTOBER 2020 from 6 PM to 7 PM. Organized by Dr. Daniel D under Tech Tank – CAPS kengeri.
4. Dr. Siddhartha Bhattacharyya delivered talk in one day National Level Webinar on “ Introduction to Quantum Computing” organized by COOCH BEHAR Government Engineering College, Dept of CSE on 14th October 2020.
5. Dr. Siddhartha Bhattacharyya delivered talk in Six days AICTE sponsored Short Term Training Programme on “ Optimization Techniques: Recent Trends and Applications in Engineering” organized by MCKV Institute of Technology, Dept of Mechanical Engineering, WB on 05th October 2020.

# Faculty Achievements

1. Debahasish Mukerjee successfully defended his Ph.D. viva voce on 7th July 2020.
2. Dr. Siddhartha Bhattacharyya elevated to fellow of IET(UK).
3. Dr. Debaraka Mukhopadhyay received International Scientist Award 2020.
4. Dr. Siddhartha Bhattacharyya received “Prestigious Scientist Award” on 9th International Scientist Award on Engineering, Science and Medicine 2020.
5. Dr. Muneeswari G received “Best Faculty Award” on 8th International Scientist Awards on Engineering, Science and Medicine 2020.
6. Dr. Muneeswari G received “GRABS Best Faculty Award 2020”
7. Dr. Ganesh Kumar received Cisco Networking Academy Instructor Award 2020 from NetAcad, Cisco Pvt. Ltd.

# Faculty Achievements

1. Dr. Xavier C published a video lecture on Introduction to Face Recognition in YouTube on July 2020.
2. Mithun B M has written an article on “What next after PUC?” an educational guidance for the young students who have completed 12th & PUC for selecting their higher education. Published in [naanugauri.com](http://naanugauri.com), July 2020.
3. Dr. Siddhartha Bhattacharyya has acted as dignitary on 2020 2nd International Symposium on Signal and Image Processing (DoSIER), from 12.08.2020 to 13.08.2020
4. Ms. Merin Thomas elevated as Senior Member in IEEE (SMIEE) from August 2020.
5. Dr. Praveen Naik successfully defended his Ph.D. Viva Voce on 20th September 2020
6. Ms. Mausumi Goswami successfully defended her Ph.D Viva Voce.

# Faculty Achievements

1. Dr. K Balachandar, elevated to the grade of IEEE Senior member, from IEEE Section Bangalore.
2. Dr. Xavier C, elevated to the grade of IEEE Senior member, from IEEE Section Bangalore.
3. Dr Xavier C has been appointed as Director for CHRIST Human Resource Development Centre W.e.f 02/11/2020.
4. Dr. Siddhartha Bhattacharyya, editor for the book titled “ Artificial Intelligence for Data-Driven Medical Diagnosis from Wiley publications. November 2020
5. 2020 5th IEEE International Conference on Research in Computational Intelligence and Communication Networks, Organized by Dr. Siddhartha Bhattacharyya on 26th & 27th November 2020.
6. Dr. Juilan Bendict elevated to grade of Senior Member in IEEE from November 2020.
7. Dr. Ganesh Kumar R successfully completed course on “Global Navigation Satellite System” offered by IISRS & ISRO – Dehradun.

# Student Achievements

1. Serah Varghese, the 2nd engineering student to clear the 1st course on CGMA of CIMA and scored one among the top 5 ranks in CIMA 2019
2. Manjot Singh & team from 5th Semester of BTCS have been shortlisted for the final round in SIH 2020 guided by Mr. Bijeesh T V.
3. Cadet Abhishek S, from 5BTCS-C awarded with the Rank of "Cadet Warrant Officer" at the NCC Unit by the Commanding Officer, Wg Cdr Jaideep.
4. Ms. Prachi Sajwan (7BTCS) & Dr. Mausami Goswami have been awarded with BEST PAPER AWARDED for her article titles "A Comparative Analysis of Sentiment Analysis using RNN-LSTM and Logistic Regression" in the International Conference of Emerging Trends in Wireless Communication Technologies and Information Security on 9th & 10th October 2020 conducted by Amity University in association with IEEE EDS Kolkata Section & Springer.

# Books Editing

1. Dr. Siddhartha Bhattacharyya edited a book on “Predictive Intelligence in Bio Medical and Health Informatics in DE GRUYTER publication.
2. Dr. Siddhartha Bhattacharyya edited a book on “Advanced Machine Vision Paradigms for Medical Image Analysis “in Elsevier Publication on 26th August 2020.
3. Dr. Siddhartha Bhattacharyya edited a book on Advances in Intelligent Systems and Computing titled as “International Conference on Innovative Computing and Communications” in Springer Publications.
4. Dr. Siddhartha Bhattacharyya edited a book Dr. Siddhartha Bhattacharya had edited and published two books under the title “Cognitive Data Model for Sustainable Environment” & “Recent Trends in Signal and Image Processing” in the month of December 2020 on “Intelligent Environment Data Mining for Pollution Management” in AP Academic Press Publications.

# Books Editing

1. Dr. Siddhartha Bhattacharyya, editor for the book chapter titled “ Intelligence Enabled Research” DoSIER 2020 on Advances in Intelligence Systems and Computing, Springer Publication.
2. Dr. Siddhartha Bhattacharyya, editor for the book chapter titled “ Emerging Technologies in Data Data Mining and Information Security” Proceedings of IEMIS 2020, Volume 2 on Advances in Intelligence Systems and Computing, Springer Publication.



# Global Tech Talk

Dr. Xavier C and Team have organized the following global tech talk series:

1. "Architecting Digital Transformation Journey of Large Enterprises" delivered by Mr. Manuel K, Solution Architect at Scania Stockholm, Sweden on 7th August 2020 from 2.30 PM to 3.30 PM.
2. "Quantum Engineering" by Dr. Andrea Morello, University of New South Wales, Sydney on 17th August 2020 from 12PM to 1.30 PM, Organized by Mr. Vinai George.
3. "Conversational Interfaces – the Next Gen User Experience" by Dr. Prasad Ramanathan, Sr. Director, Capgemini and Mr. Shreyas Bhargave, Director, Capgemini on 18th August 2020 from 9 AM to 10.30 AM. "Robotic Process Automaton" by Ms. Yokiko Mitomi, VP Corporate IT, Universal Music Group on 21st August 2020 from 7.30 PM to 8.30 PM.

# Publications

1. Dr. Ganesh Kumar & Ms. Gokulapriya have published their research article in “Journal of Ambient Intelligence and Humanized Computing in July 2020.
2. Ms. Sujatha A K and Dr. Balachandran K have published their research article in “International Journal of Intelligent Engineering and Systems”, July 2020.
3. T V Bijeesh has published his article in Scopus indexed journal in July 2020
4. Dr. Julian Benadit has published his article in Procedia Computer Science, Elsevier in July 2020.
5. Dr. Siddhartha Bhattacharyya has published his research article in IEEE Transaction on Geosciences and Remote sensing.

# Publications

1. Dr. Rekha V has published her research article titled “Design of fuzzy logic controlled hybrid model for the control of voltage and frequency in micro grid in INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY on October 2020.
2. Dr. Sathish Kumar Ravichandran has published his article titled “Effective storage of Goods in Warehouse Using Farm Optimization Techniques” in International Journal of Cloud Computing on October 2020.
3. Michael Moses T & Dr. Balachandran K has published article titled as “EMONET: A Cross Database Progressive Deep Network for Facial Expression Recognition” in International Journal of Intelligent Engineering & System on October 2020.
4. Dr. Ganesh Kumar R have published patent titled “IOT based Plant Disease Detection Using Support Vector Machine Algorithm” India Patented, published on 25th December 2020.

# Patents and Copyrights

1. Patent Published by Dr. Raghavendra S titled “ Novel System for Mental State Health Analysis Using Machine Learning and Methods Thereof.” published under Indian Patent on 30th October 2020.
2. Patent Published by Dr. Siddhartha Bhattacharyya titled “ A Microcontroller Based Low Cost Electronic Locking System Using 2-way Authentication” published under Indian Patent on 02th October 2020.
3. Dr. Siddhartha Bhattacharyya has published copyrights registered under Indian IPR on title AN APPROACH ON IOT BASED LOW COST INTELLIGENT COLORIMETER on October 2020.
4. Patent Published by Dr. Praveen Naik, Mr.Gurudas V R and Mr.Praveen Kulkarni for the title “OPTIMIZED SCORE CARD FOR MENTORING STUDENTS USING ARTIFICIAL INTELLIGENCE AND METHODS THEREOF” published under Indian Patent on 16th October 2020

# Patents and Copyrights

1. Patent published by Dr. Rudra Pratap B for the Title “MACHINE LEARNING BASED SYSTEM FOR EVALUATION AND PREDICTION OF LUNG CANCER USING COMPUTED TOMOGRAPHY IMAGES” published under Indian Patent on 09th October 2020
2. Patent granted for Dr. Daniel D for the title “A METHOD OF IMPROVING RESILIENCE IN EMBEDDED IOT NETWORKS BY FAULT FORECASTING” from Australian Patent under INNOVATION on August 2020.

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