NEUROFLUENCE

Designing future with excellence

The Official Newsletter of the
Department of Computer Science
and Engineering

Vision

TO FORTIFY
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.

Editors Speak

The Department of Computer Science and Engineering is launching the first issue of its official newsletter "Neurofluence" for the Academic Year 2021-22. This issue of the newsletter focuses on the trending topics, faculty publications, placements and many more. The readers are assured of technical insights on present market and departmental activities which is a combination of unique and parallel realms on the same platter.

Contents

International Conference

Department of Computer Science and Engineering, School of Engineering and Technology, CHRIST (Deemed to be University), Kengeri Campus, Bangalore organized an international conference 2nd Congress on Intelligent Systems (CIS 2021), a World Conference in Virtual Format (due to ongoing COVID19 pandemic) during September 04-05, 2021 in association with Soft Computing Research Society, New Delhi. The CIS 2021 was aimed to bring the researchers, academicians, industry, and government personnel together to share and discuss the various aspects of Intelligent Systems. The conference witnessed five eminent keynote speakers and participant presentations of accepted peer-reviewed articles from 33 countries. The after-conference proceeding of the CIS2021 will be published in SCOPUS Indexed Springer Book Series, 'Lecture Notes on Data Engineering and Communications Technologies'.

Conference Website: http://cis2021.scrs.in

Keynote speakers of CIS 2021

a. Prof. Xin-She Yang, Middlesex University, The Burroughts, Hendon, London

b. Prof. P. Nagabhusan, IIIT, Allahabad.

c. Prof. Montaz Ali, University of Witwatersrand, Johannesburg, South Africa.

d. Prof. Lipo Wang, Nanyang Technological University, Singapore.   e. Prof. Nishchal K. Verma, IIT, Kanpur.

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ASCII and Professional Societies

66 ASCII and Professional Societies

The Department association ASCII and the students club of CSI and IEEE were inaugurated on the 12th of September, 2021. Mr. Gokul Srinivasa, Founder of Minion labs presided over the function and inaugurated the clubs. The ceremony started with a welcome address by Ishan Dubey,Chairman IEEE - student branch, followed by the lighting of the e-lamp. Dr Balachandran K addressed the gathering and ASCII Coordinator Dr Naveen J gave the annual report of the student clubs for the academic year 2020 - 2021.

The office bearers of the academic year 2021 - 2022 and club heads were also announced. The event was then graced by the presence of our Chief Guest, Mr. Gokul Srinivasa, who then presented a talk on how he managed to start his own company and successfully managed to motivate students to grow and learn furthermore as they move along their careers. The talk was then proceeded with a Q&A session Ms. Karanpreet, VP ASCII proposed the vote of thanks. The event was a great success and a step forward towards growth and learning for the department and its student body.

International Conference   Patent and Copyright

Patent and Copyright

Dr. Debarka M, Dr. Balachandran K and team had published Indian Patent under the title " A Multi-Layer Memory Enriched Static Memory System" in September 2021.

Copyrights filed by Dr. Ganesh Kumar R, on the Title "CLOUD SECURITY MONITORING WHILE A NEW NODE ENTERING IN A CLOUD NETWORK", Registration Number: L-107267/2021 in September 2021.

Book Publication

Publications can also be regarded as an asset that enables authors to gain recognition and acknowledgment as experts in a particular field at national and international levels.

--Mengistu Asnake
President, World Federation of Public Health Associations

Dr. Xavier had published book under title " Fundamentals of Internet and Emerging Technologies", New age International Publishers, New Delhi. Link to access the book
-   https://newagepublishers.com/servlet/nagetbiblio?bno=3175&flag=N

Student Achievements

Mr. Siddharth Patel, Mr. Shrey Limbani, Mr. Yashesh Mankad has designed and developed " Mentor - Mentee" Platform for the Christ Consulting between the period August 2020 to May 2021.

Meghashyam Malur 5BTCS-B is selected to be the Cadet Senior under Officer (CSUO). This is the Highest Rank a cadet can get at the NCC Unit Level. He was awarded the rank by Gp Capt S Kundu S.

Department of CSE congratulates students for their achievements and wishes them good luck

Faculty
Achievements

Dr. Merin Thomas has successfully completed her Open Defense in September 2021 under VTU.

Dr. N Radhakrishnan & Dr. Sujatha A K has been Awarded Ph.D Degree in CHRIST.

Placement and Training

Placement Training session for the pre-final years of B.Tech (CSE/IT - 5BTCS/IT) was conducted from 6th September to 16th September 2021 by the Seventh Sense Pvt Ltd.

Placement Details

Total no of Students placed.   132

Total no of Offers   167

Faculty Quotes

Dr. Kukatlapalli Pradeep Kumar has written about strategic planning and university vision and mission support for the same.

వ్యూహాత్మక ప్రణాళిక (స్ట్రాటజిక్ ప్లానింగ్)
కంప్యూటర్ సైన్స్ మరియు ఇంజనీరింగ్ విభాగం

వ్యూహాత్మక ప్రణాళిక

క్రైస్ట్ విశ్వవిద్యాలయం, బెంగళూరు

ఒక విశ్వవిద్యాలయం కి సంబంధించిన విసిఒన్ మరియు మిషన్ వాక్యాలకు అనుగుణంగా స్ట్రాటజిక్ ప్లానింగ్ ను తాయారు చేస్తారు. విద్యార్థుల భవిష్యత్ ప్రణాళిక, వారి క్రమశిక్షణ మరియు జీవితకాల నేర్పరి నైపుణ్యాలను పరిగణములో తీసుకొని విశ్వవిద్యాలయం లోని అధ్యాపకుల బృందం వారి యొక్క శాఖ ప్రకారం స్ట్రాటజిక్ ప్లానింగ్ ను డ్రాఫ్ట్ రూపంలో నిర్మిస్తారు. ప్రణాళిక లో ఉన్న అంశాలను బట్టి విద్యార్థులకు భోధనమరియు అదనపు బోధనా కార్యక్రమాలు అమలు చేస్తారు.

Placement and Training

Tech Talk-IIIC

Tech Talk-IIIC

The technical talk "Mindset in approaching Machine Learning in College and Industry" was organized by IIIC cell in collaboration with the department of CSE Alumni Cell on 18th September 2021. The Event aas conducted through online – Cisco WebEx Meeting and Dr B R Prathap (Alumni Faculty In-charge) hosted the event with the help of Student Coordinator's from the IIIC Cell.

Session details:

- Alumni: Mr. Deepanshu Paul, Business Analyst, Amazon.
- Session: Mindset in approaching Machine Learning in College and Industry.
- Date: 18th September 2021.
- Alumni Coordinator: Dr. B R Prathap.
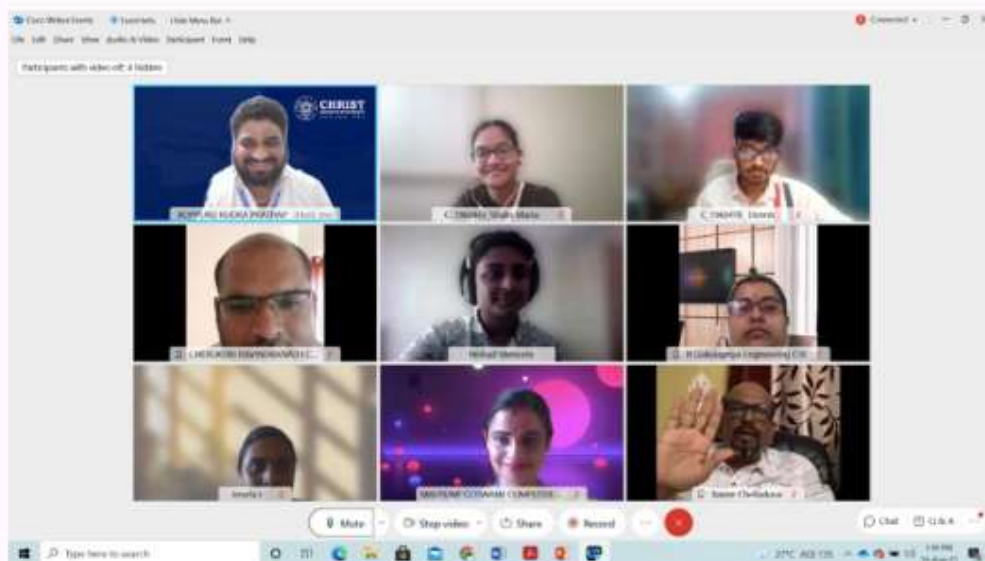
Faculty Quotes

AI & ML Level 2 Training

AI & ML Level 2 Training

AI & ML Course Level 2 has been commenced for the Faculty members. Organized by Dr. Ajit Danti

Trainer : Mr. Arindam

Mr. Arindam has expertise in Training on Data Science and Machine Learning and Artificial Intelligence and working as a Training Manager with And will Group and has 10 years of Experience in IT,Business Development, HR and Training. Associated with Institutes like NearLearn, Simplilearn, letsUpgrade, Webdrills Corportae Academy,TBIPI, Helpism Learning Consultant, Topgrads, Net2Aspire,Dexlab Analytics, Skillup Technologies as Freelance Trainer. Successfully conducted training for more than 3000 candidates. Successfully conducted corporate training in PNB Bank, Delhi H.O in Data Analytics. Having experience giving training in Colleges like SEA COLLEGE, RNSIT, OXFORDCOLLEGE, NIT

Biography

Dr. Balachandran K, Professor / Head of the Department, Department of Computer Science and Engineering & Department of Information Technology, Christ University, Bengaluru since 2010.

Previously Served as Senior Scientific Officer [Gazetted officer] in the Research and Development unit of Department of Atomic Energy for 20 years.

Research experience in Data Mining, Artificial Neural Networks, Soft computing, Artificial Intelligence, Machine Learning, Computer Networks, Computer Architecture, Data Structures, Radiometric analysis of data, Spectrometric analysis of data for Mineral exploration, Geo-physical exploration of boreholes and exposures, Design of Radiometric measuring instruments, Statistical data analysis and Data Processing.

Awarded with 3 patents, Completed 3 Funded projects in the Computer Vision, Artificial Intelligence and Data Analytics and Consultancy work carried out the area of Artificial Intelligence, Web OS platform (Total Revenue: 25 Lakhs).

Handled independently Field geo-physical logging and radiometric assay, analysis activities for Radioactive minerals exploration and many more.

Ms. Anjali Prajapathi, M.Tech Student

Sir has been a great support and source of knowledge to all of us. There were certainly a lot of ups and downs that came in the journey of acquiring knowledge, where we have lost our way to reach the desired goals, but he always had our back and taught us how to learn from our mistake and make our success much more brighter. He also made us understand success just helps us to boost our confidence but failures actually help us understand how can we get better everyday. With that he made sure that we learn and gain knowledge at every step that we take which will further help us grow in our respective careers.

AI & ML Level 2 Training

Global Tech Talk

Global Tach Talk

Global Tech Talk on Career Opportunities in Civil Services was organized on 27th September 2021.

The speaker for the session was Mr. P.S. Karthigeyan , High Commissioner, Indian Foreign Service / High Commissioner of India to Fiji & Tuvalu.

The key takeaways form the sessions was:

1. Sharing the experience
2. Career opportunities in Indian Civil Services
3. Discussion on Exam Pattern
4. Challenges faced during the prelims time
5. Time Management

Faculty Publications

Name of the Faculty:	Dr. Raju G
Title of the Paper:	A Novel Threshold based Method for Vessel Intensity Detection and Extraction from Retinal Images
Journal / Publisher Name:	International Journal of Advanced Computer Science and Applications
National /International:	International
Indexing:	Scopus
Date:	Sept'21

Name of the Faculty:	Dr. Mary Anita E A
Title of the Paper:	An efficient privacy-preserving model based on OMFTSA for query optimization in crowdsourcing
Journal / Publisher Name:	Concurrency & Computation: Practice & Experience
National /International:	International
Indexing:	SCI
Date:	July 2021

Name of the Faculty:	Dr Mary Anita E A
Title of the Paper:	Discrete Integrity Assuring Slice-Based Secured Data Aggregation Scheme for Wireless Sensor Network (DIA-SSDAS)",
Journal / Publisher Name:	Wireless Communications and Mobile Computing, Hindawi
National /International:	
Indexing:	
Date:	July 2021

Name of the Faculty:	Dr. Raghavendra
Title of the Paper:	PASSENGER FLOW PREDICTION FROM AFC DATA USING STATION MEMORIZING LSTM FOR METRO RAIL SYSTEMS
Journal / Publisher Name:	Neural Network World
National /International:	national
Indexing:	scopus
Date:	Aug 2021

Name of the Faculty:	Dr.Sujatha A K
Title of the Paper:	Optimized Stacking Ensemble (OSE) for Credit Card Fraud Detection using Synthetic Minority Oversampling Model
Journal / Publisher Name:	Indian Journal of Science and Technology
National /International:	national
Indexing:	scopus
Date:	Aug 2021

Name of the Faculty:	Dr. Ganesh Kumar R
Title of the Paper:	Optimising QoS with load balancing in cloud computing applying dual fuzzy technique
Journal / Publisher Name:	International Journal of Intelligent Enterprise (IJIE), Inderscience Publishers
National /International:	international
Indexing:	scopus
Date:	Aug 2021

Conferences

Name of the Faculty:	Debarka Mukhopadhyay
Title of the Paper:	A Novel Architecture of Flip-Flop for Processor-In-Near-Memory (PINM) using Ternary Quantum-Dot Cellular Automata (TQCA)
Name of the conference:	Computational Intelligence in Pattern Recognition, Advances in Intelligent Systems and Computing 1349
National /International:	international
Indexing:	scopus
Date:	Oct 2021

Announcements

Oct, 2021 — 1
Alumni Talk - Technical / Research Writing

Oct, 2021 — 2
Gandhi Jayanathi

Oct, 2021 — 4-9
Mid Semester Examination for 5th and 7th Sem UG and 3rd sem PG

Oct, 2021 — 6
Mahalaya Amavasya

Oct, 2021 — 9
Stakeholders Meeting

Oct, 2021 — 13
Global Tech Talk Series - Session 2

Oct, 2021 — 14-20
Dasara Semester Break

Oct, 2021 — 22
ITW Session 3

Oct, 2021 — 26
Mentoring Discussion and Publication Discussion

Oct, 2021 — 28
Specialization Research Discussion (AI&ML, SE,CN,CyberSec, DS)

Oct, 2021 — 27
Global Tach Talk: Distributing Intelligence in the Cloud-to-Edge Continuum
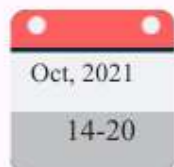
Oct, 2021 — 28
Last date to update CIA 2 marks for 5th and 7th Sem UG and 3rd sem PG

Editorial Board