



# SCOPE VIT UNIVERSITY CHENNAI CAMPUS

## NEWSLETTER

Volume 1, Issue 10, 2021

Editors

Dr. Tulasi Prasad Sariki

Dr. Ashoka Rajan R

Dr. Kalaipriyan T

Dr. Subbulakshmi P

## HIGHLIGHTS

Title		Count
Guest Lectures Conducted		5
Publications	Journal	14
	Book Chapters	1
	Patents	0
Meetings Held	Faculty	0
	Research Group	2
	HoD	1
	Viva-voce	1
	Colloquium	1
	Doctoral Committee	3
Workshops / Seminars / FDP/ Conferences	Organized	0
	Attended	5
Student Achievements		3
Invited Talks		5
Events-Academics		8

## MISSION OF THE SCHOOL

The mission of the school is to create and maintain an environment for Excellence in Instruction, Learning and Applied Research in the area of Computing Science and Engineering and allied disciplines so as to equip our students with necessary knowledge and skills for higher education/employment and to meet the societal demands. With an aim to carve a niche for itself in Computer Science and allied domains, the School strives to:

- To produce graduates thoroughly acquainted with the principles of modern Computing Science who are able to apply the principles in the design and construction of reliable systems.**
- To equip students with the fundamental understanding and practical skills needed by the potential organizers of a demanding profession.**
- To provide cost-effective Information and Communication Technology (ICT)-based solutions and value-added services to a variety of organizations and to meet the expectations of stakeholders.**
- To foster a learning and creative community that strives to continuously advance the frontiers of knowledge and promote the deployment and usage of ICT-based applications for betterment of society.**

# *Guest Lectures Conducted*

**October 2021**

S.No	Title of the Talk	Resource Person
1	Applications of SCM Tools in industry	Dr. Dhanaphal, Principal Engineer DellEMC, Research and Development, Chennai
2	Data Visualization using Python	Mr. Animesh Mohanty, Senior Software Engineer, Azentio Software, Bengaluru
3	Security assurance level-Describing security requirement & Metrics of Security	Mr. Navneet Bhusan, Founder Director of Crafitti Consulting, Bangalore
4	Impact of gaming techniques in cutting-edge applications	Dr. Ana Ciocarlan, Assistant Professor, Science Information and Computing Sciences Utrecht University Netherlands
5	Progressive Web Apps	Mr. Akash P, Senior Software Engineer Renault Nissan Technology and Business Center India, Chennai

# *Papers Published*

**October 2021**

S.No	Type	Publication Details
1	Journal	Babukarthik, R.G., Dhasarathan, C., Kumar, M., Shankar, A., Thakur, S. and Cheng, X., 2021. A novel approach for multi-constraints knapsack problem using cluster particle swarm optimization. Computers & Electrical Engineering, 96, p.107399.
2	Journal	Suseela, G., Phamila, Y.A.V., Niranjana, G., Ramana, K., Singh, S. and Yoon, B., 2021. Low Energy Interleaved Chaotic Secure Image Coding Scheme for Visual Sensor Networks Using Pascal's Triangle Transform. IEEE Access, 9, pp.134576-134592.
3	Journal	Priyanka, E.B., Thangavel, S., Prasad, P.H. and Mohanasundaram, R., 2021. IoT fusion based model predictive pid control approach for oil pipeline infrastructure. International Journal of Critical Infrastructure Protection, 35, p.100485.
4	Journal	Pavithra, L. and Rekha, D., 2021. Real Time Scheduling in TSCH for IoT Using Neurogenetic Algorithm. Wireless Personal Communications, pp.1-18.
5	Journal	Venkatesan, M., Lakshmipathy, P., Vijayan, V. and Sundar, R., 2021. Cardiac disease diagnosis using feature extraction and machine learning based classification with Internet of Things (IoT). Concurrency and Computation: Practice and Experience, p.e6622.
6	Journal	Kannan, R.J. and Yadav, K.P., 2021. Drone Routing Techniques for Surveying in Urban Areas. Review of International Geographical Education Online, 11(5), pp.4157-4167.



# *Papers Published*

October 2021

S.No	Type	Publication Details
7	Journal	Fernandez, J.J. and Nithyanandam, P., 2021. Fingerprint core point detection using connected component approach and orientation map edge tracing approach. International Journal of Biometrics, 13(4), pp.409-431.
8	Journal	Balusa, B.C. and Gorai, A.K., Hierarchical fuzzy-AHP-based multi-criteria decision making approach for selection of underground metal mining method. Intelligent Decision Technologies, (Preprint), pp.1-16.
9	Journal	Ramachandran, D. and Parvathi, R., 2021. Enhanced classification of crisis related tweets using deep learning models and word embeddings. International Journal of Web Engineering and Technology, 16(2), pp.158-186.
10	Journal	Balusa, B.C. and Gorai, A.K., 2021. Development of Fuzzy Pattern Recognition Model for Underground Metal Mining Method Selection. International Journal of Ambient Computing and Intelligence (IJACI), 12(4), pp.64-78.
11	Journal	Girija, R. and Singh, H., 2021. Security-enhanced optical nonlinear cryptosystem based on modified Gerchberg–Saxton iterative algorithm. Optik, 244, p.167568.
12	Journal	Kanodia, A., Singh, P., Rajesh, D. and Malathi, G., Indian Sign Language Using Holistic Pose Detection. Turkish Journal of Physiotherapy and Rehabilitation, 32, p.3.

# *Papers Published*

**October 2021**

S.No	Type	Publication Details
13	Journal	Jawahar, M., Anbarasi, L.J., Jayachandran, P., Ramachandran, M. and Al-Turjman, F., 2021. Utilization of transfer learning model in detecting COVID-19 cases from chest x-ray images. International Journal of E-Health and Medical Communications (IJEHMC), 13(2), pp.1-11.
14	Journal	Prathiba, S.B., Raja, G., Anbalagan, S., Narayanan, R. and Venkata Karthik, K.B., 2021, October. SOSChain: self optimizing streamchain for last-mile 6G UAV-truck networks. In Proceedings of the 1st Workshop on Artificial Intelligence and Blockchain Technologies for Smart Cities with 6G (pp. 19-24).
15	Book Chapter	Ashoka Rajan, R. and Kumaran, P., 2022. Privacy-Preserving in Fingerprint Templates Security Using Combinatorial Logic Circuits. In Soft Computing for Security Applications (pp. 953-968). Springer, Singapore.

# *Meetings Conducted*

## October 2021

S.No	Date	Meeting Name	People Related
1	01-10-21	Viva voce	Mr. Sarode Prachi Sambhaji / Dr. Pattabiraman V
2	20-10-21	Colloquium	Ms. Geeta Bhimrao Atkarn / Dr. Priyadharshini J
3	13-10-21	Doctoral Committee meeting	Ms. Priyanka Mishra /Dr. Ganesan R
4	18-10-21	Doctoral Committee meeting	Ms. Pankaja Lakshmi P /Dr. Sivagami M
5	12-10-21	Research Group Meeting	Dr. Jagadeesh Kannan R
6	13-10-21	Research Group Meeting	Dr. Ganesan R
7	19-10-21	HOD Meeting	Dr. Ganesan R

# *Events Attended*

**October 2021**

S.No	Date	Event Type	People Related
1	01-10-21	Webinar	Dr. Pradeep K
2	01-10-21	Seminar	Dr. Vijayakumar K P
3	01-10-21 26-10-21	Seminar	Dr. Vijayakumar K P
4	08-10-21 09-10-21	Seminar	Dr. Bhuvaneswari
5	09-10-21 10-10-21	Conference	Dr. Maheswari R



# *Student's Achievements*

## **October 2021**

- **Mr. Eric Brain Anil** (18MIS1030) got Special Jury award and an Outstanding performance award in Special recognition award for the Grapnel logo design, a Special Jury award and an Outstanding performance award in HackP 2021 on 15/10/2021.
- **Mr. Prithvi Seshadri** (19BAI1105) and **Mr. Abishek Mahesh** (19BAI1143) got first prize in Ford Cyber Security Awareness Month, call for papers - " Role of AI/ML in cyber security" on 29/10/2021.
- **Ilakkiya V** (19BCE1699) and **Vijay** (19BCE1388) got 1st place in the IBM Z DATATHON competition organized by Shooting Stars Foundation and IBM on 05/10/21



# *Invited Talks*

## October 2021

S.No	Date	Details
1	05/10/21	Dr. Maheswari R delivered a guest talk on “KNIME’ at PSG College of Arts & Science.
2	06/10/21	Dr. Vedhapriyavadhana R delivered a guest talk on “Numpy and its applications” at Panimalar Institute of Technology.
3	07/10/21	Dr.Jayalakshmi S L delivered a guest talk on “Python-Pandas and its applications” at Panimalar Institute of Technology.
4	09/10/21	Dr. Girija R delivered a guest talk on “Data Visualization Using Python” at Panimalar Institute of Technology.
5	28/10/21	Dr. Maheswari R delivered a guest talk on “Zero Coding for IoT automation Hands on Training ’ at Periyar University, Salem.

# Glimpses of October 2021

## Winners of IBM-Z Datathon




**First Prize** **\$1000**

- 3 month mentorship from IBM
- 3 month IBM Z access (\$10K+ value)


zoom

## 1<sup>st</sup> place in IBM DATATHON



**Team 23 - Hello\_Peter**


Autism Detection in Children using Machine Learning



Kenneth Chew, JIAN YI KOK, Akash Koottungal, Vijay M, Ilakkiya V, Thejaswin S

zoom

## 1<sup>st</sup> Prize in Role of AI/ML in cyber security




**CYBER SECURITY**  
Awareness and Education Services

**CYBER SECURITY AWARENESS MONTH**


CALL FOR PAPERS ON  
**"ROLE OF AI/ML IN CYBER SECURITY"**

**VIRTUAL PRESENTATIONS**



REGISTRATION FINAL DATE : 10TH SEPTEMBER, 2021  
PAPER SUBMISSION FINAL DATE : 22ND SEPTEMBER, 2021  
VENUE : WEBEX

## Outstanding Performance Award

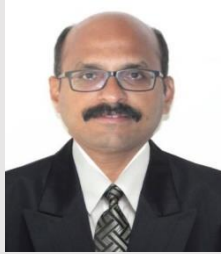


**Winners!**  
Euphorians, VIT

**Abishek Mahesh, Prithvi Seshadri**

*Congratulations*

## *Faculty in Administrative Roles*



*Dr. Ganesan R*  
**DEAN , SCOPE**



*Dr. Geetha S*  
**ASSOCIATE DEAN , SCOPE**



*Dr. Nayeemulla Khan*  
**DEAN ACADEMICS , VIT CHENNAI**



*Dr. Nithya Darisini P.S*  
**ASST. DEAN ACADEMICS , VIT CHENNAI**

## *Faculty in Administrative Roles*



*Dr. Pradeep Kumar T S*  
**DIRECTOR , SDC , VIT CHENNAI**



*Dr. Suganya G*  
**ASST. DIRECTOR, SDC, VIT CHENNAI**



*Dr. Syed Ibrahim SP*  
**ASST. DIRECTOR  
INTERNATIONAL RELATIONS**



*Dr. Viswanathan V*  
**DEPUTY COE, VIT CHENNAI**



*Dr. Pattabiraman V*  
**DEPUTY DIRECTOR, HOSTEL,  
VIT CHENNAI**

## *Faculty in Administrative Roles*



***Dr. Subbulakshmi T***  
*Assistant Director, ASC*



***Dr. Maheswari N***  
*Assistant Director - CTS*



***Dr. Nithyanandam P***  
*HOD , B.Tech.*



***Dr. Asnath Vicky Phamila Y***  
*HOD , M.Tech. - S/W*



***Dr. Priyadarshini J***  
*HOD , B.Tech. and M.Tech. - AI and ML*

## *Faculty in Administrative Roles*



***Dr. Neelanarayan V***  
*HOD , B.Tech. and M.Tech. - CPS*



***Dr. Rekha D***  
*HOD , B.Tech. AI and Robotics*



***Dr. Sivagami M***  
*HOD , MCA*



***Dr. Janaki Meena M***  
*HOD , M.Tech. - CSE and BIG DATA*



***Dr. Renta Chintala Bhargavi***  
*HOD , M.Tech. - Business Analytics*





**“A successful team is a group of many hands and one mind” -- Bill Bethel.**