VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF INFORMATION TECHNOLOGY & ENGINEERING - IN~SITE

THE OFFICIAL QUARTERLY NEWSLETTER

Contents:

APRIL- JUNE 2022

EDITORIAL

It is our immense pleasure and pride to publish the Second Issue of the Newsletter for School of Information Technology & Engineering. This issue intends to highlight the achievements, accomplishments of our enthusiastic students and motivated faculty colleagues. The various events and activities conducted by the faculty members are also recognized.

It has been an extremely gratifying year for VIT and hence we applaud the Institute's success in securing 9th rank in the University Category, 12th in the Engineering category (1st Rank among the private Universities), 10th in the Research Category (1st Rank among the private Universities) and 18th position in the country.

We congratulate our motivated BCA student – Rohan Kumar Singh for bagging a Super Dream Offer of INR 21 Lakhs in D. E. Shaw. Kudos to all the other students as well who have made us proud by securing top positions in various hackathons and events conducted nationwide.

The issue also highlights the research potential of our students, being reflected in their publications in reputed Journals, Conference Proceedings and Book Chapters.

It is significant to mention that a team of our faculty colleagues visited Bulgaria Transnational Partners meeting of DIVERSASIA – Embracing diversity in ASIA through the adoption of inclusive open practices, under the Erasmus+ European Commission. Two of our faculty members have been appointed as Remote Visiting Scholar in Nottingham Trent University, UK. Apart from that, the research publication of our faculty members reflect their enormous research potential. Our faculty members also received multiple consultancy projects and invitations to deliver lectures in reputed organization.

The issue also collates the various in-house activities and lecture sessions organized for the students, faculty and staff members of our school which project our perseverance towards continuous learning and improvement.

Similar to our previous issue, we have recognized the contribution of our alumni in their respective fields and we take immense pride in their achievements. Their testimonials echo the phrase time and again – "Once a VITian, always a VITian".

We wish and hope that this newsletter will motivate all of us to stay relevant and encourage exchange of information to achieve stronger perception about our school inspiring collaborative efforts.

We wish you all a very Happy Reading!!

Dr. Sumathy S
Professor & Dean
School of Information Technology & Engineering
Vellore Institute of Technology, Vellore
Email: dean.site@vit.ac.in

STUDENTS' ACHIEVEMENTS

Ms. Krina Panchal, Student of B.Tech (IT), Scholarship Recipient of 2022 APAC Generation Scholarship for Women in Computer Science, Received Scholarship amount of USD2500.

Ms. Nithyasri K, Student of B.Tech (IT), Won Second Rank in Bharatanatyam, All India Dancer's Association

B.Tech (IT) students secured 1st Place in Hack-a-thon 5.0 conducted by Ineuron, Bangalore
Won 2 Lakhs INR prize amount

Ms. Majeti Hymavathi,
BSC Hons Computer Science
Procoured Admission in
IIM Nagpur

Mr. Sukant Jha, Student of B.Tech (IT) Winner of the Frosthack 2022 for Project Medichain, conducted by IIT Mandi, Secured 1st Place in Sustainable Category at HackCWRU 2022

Ms. Sreeram Divya Sri of M.Tech (SE), Top 20 rank in Bayer's International Hack-a-thon , Awarded Cash Prize 30USD in Idea Phase & 50USD in Prototype Phase

"The path to success is to take massive determined action" - Tony Robbins

STUDENTS' PUBLICATIONS

(UG & PG Level)

Bhandari, Aradhita, et al. "Cancer Detection and Prediction Using Genetic Algorithms." Computational Intelligence and Neuroscience 2022 (2022), Impact Factor 3.12

Sihare, Pranchal, et al. "COVID-19 Detection Using Deep Learning: A Comparative Study of Segmentation Algorithms." International Conference on Computational Intelligence in Pattern Recognition. Springer, Singapore, 2022.

Verma, Shreya, et al. "An Approach to Medical Diagnosis Using Smart Chatbot." International Conference on Computational Intelligence in Pattern Recognition. Springer, Singapore, 2022.

Rungta, Ravi Kumar, Parth Jaiswal, and B. K. Tripathy. "A Deep Learning Based Approach to Measure Confidence for Virtual Interviews." International Conference on Computational Intelligence in Pattern Recognition. Springer, Singapore, 2022.

Jain, Aviral, et al. "Contemporary Technologies to Combat Pandemics and Epidemics." Next Generation Healthcare Informatics. Springer, Singapore, 2022. 197-212.

Paliwal, Swapnil, Aswani Kumar Cherukuri, and Xiao-Zhi Gao. "Dynamic Private Modulus Based Password Conditional Privacy Preserving Authentication and Key-Agreement Protocol for VANET." Wireless Personal Communications 123.3 (2022): 2061-2088.

Cherukuri, Aswani Kumar Aswani, and Sushant Sinha. "Analysis and Mitigation Strategies of Security Issues of Software-Defined Networks." Cross-Industry Applications of Cyber Security Frameworks (2022): 36-70.

Anunay R. Bagga and Harshita Patel. "Stock Market Forecasting using Ensemble Learning and Statistical Indicators." Journal of Engineering Research (2022).

Sujatha R., Jyotir Moy Chatterjee, S. S. Thorunitha and Nadhiya S. "Evaluation of Dietary Habits in Relation to Covid-19 Mortality Rate Using Machine Learning Techniques."" Journal of System and Management Sciences (2022).

Manya Smriti, Sameeksha Daruka, Khyati Gupta & S. Siva Rama Krishnan, "Fuzzy Keyword Search Over Encrypted Data in Cloud Computing: An Extensive Analysis", Lecture Notes on Data Engineering and Communications Technologies, Congress on Intelligent Systems, Springer (2022)

Ramadan, Rabie A., et al. "Integrated Supply Chain Process for Dairy Management." Innovative Supply Chain Management via Digitalization and Artificial Intelligence. Springer, Singapore, 2022. 171-193.

""To succeed in life, you need two things: ignorance and confidence" - Mark Twain

FACULTY ACHIEVEMENTS

Consultancy Projects

Project Title	Company	Faculty
Geometric dimension measurement of industrial products through image processing techniques	Strydo Technologies	Dr.U.Rahamathunnisa & Team
Visual-based defect detection using the machine vision approach	SI Tech.	

Invited Talks

Topic	Institute	Faculty
Data Science Life Cycle	Dr. M.G.R Educational and Research Institute	Dr. S. Sumathy
NS2 in Wireless Network	Periyar Maniammai Institute of Science & Technology	Dr. R.Rathi
Webinar on Data Mining	Auxilium College	Dr. R. Sujatha
Applications of Python in Real World	Amity International Business School	Dr. R. Sujatha
Orange Data Mining Tool	Sacred Heart College	Dr. R. Sujatha
Machine Learning & Open Source DM tools Information	Muthurangam Government Arts College	Dr. R. Sujatha
Intelligent and Innovative Systems - Post Covid-19 Scenario	PG & Research Dept of Govt. Arts College for Women	Dr. S.P. Shantharajah
Big Data Analytics - Challenges and Applications	Bansal Group of Institutes	Dr. Rajesh Kaluri
Guest of honor for inauguration of International Conference on Distributed Computing and Electrical Circuits and Electronics	Ballari Institute of technology and Management	Dr. Thippa Reddy G
• Online Lecture Series for Police Officers • Workshop was conducted for Personnel of Cyber Crime Wing	Center for Cyber Forensics and Information Security, University of Madras in Collaboration with Cyber Crime Wing of Tamil Nadu, Police.	Dr. Gitanjali J

""Build your own dreams, or someone else will hire you to build theirs" - Farrah Gray

FACULTY ACHIEVEMENTS

FACULTY OUTREACH

Dr. Rajesh Kaluri, Dr. Dharmendra Singh Rajput & Dr. Kuruval Lakshmana visited Bulgaria Transnational Partners meeting of DIVERSASIA – Embracing diversity in ASIA through the adoption of inclusive open practices, under the Erasmus+ European Commission (23rd May 2022 - 31st May 2022)

- They visited the University of Library Studies and Information Technologies, Sofia
- They visited Paisii Hilendarsaki University of Plovdiv

Dr. Thippa Reddy, Dr. Rajesh Kaluri, Dr. Dharmendra Singh Rajput & Dr. Kuruval Lakshmana visited NIEPMD (National Institute for Empowerment of Persons with Multiple Disabilities) & Interacted with with Dr. Karthikeyan (HoD) and other colleagues from the Department of Clinical Psychology Ms. Anandha Lakshmi, Ms. Kalaivani, Mr. Johnny, Mr. Kumaran Rajan on May 12th 2022

Dr. Thippa Reddy, Dr. Rajesh Kaluri, Dr. Dharmendra Singh Rajput & Dr. Kuruval Lakshmana visited WORTH TRUST, Katpadi & interacted with Mr. Myke Ignatius Nunes (marketing manager) , Principal (i/c) and students on May 9th 2022

FACULTY FELLOWSHIPS

Dr.Thippa Reddy is appointed as Remote visiting scholar in Nottingham Trent University, UK.

Dr.Rajesh Kaluri is appointed as Remote visiting scholar in Nottingham Trent University, UK.

""Knowledge has the power. It controls access to opportunity and advancement" - Peter Drucker

FACULTY PUBLICATIONS (APR 2022)

Author (s)	Title	Journal	Impact Factor
Hasan M.K., Akhtaruzzaman M., Kabir S.R., Gadekallu T.R., Islam S., Magalingam P., Hassan R., Alazab M., Alazab M.A.	Evolution of Industry and Blockchain Era: Monitoring Price Hike and Corruption using BIoT for Smart Government and Industry 4.0	IEEE Transactions on Industrial Informatics	10.215
Sarkar S., Agrawal S., Baker T., Maddikunta P.K.R., Gadekallu T.R.	Catalysis of neural activation functions: Adaptive feed-forward training for big data applications	Applied Intelligence	5.086
Joshi V.R., Srinivasan K., Vincent P.M.D.R., Rajinikanth V., Chang C.-Y.	A Multistage Heterogeneous Stacking Ensemble Model for Augmented Infant Cry Classification	Frontiers in Public Health	3.709
Kotei E., Thirunavukarasu R.	Computational techniques for the automated detection of mycobacterium tuberculosis from digitized sputum smear microscopic images: A systematic review	Progress in Biophysics and Molecular Biology	3.667
Shen Y.-B., Gadekallu T.R.	Resource Search Method of Mobile Intelligent Education System Based on Distributed Hash Table	Mobile Networks and Applications	3.426
Kathiravelu P., Arnold M., Fleischer J., Yao Y., Awasthi S., Goel A.K., Branen A., Sarikhani P., Kumar G., Kothare M., Mahmoudi B.	CONTROL-CORE: A Framework for Simulation and Design of Closed- Loop Peripheral Neuromodulation Control Systems	IEEE Access	3.367
Agilandeeswari L., Paliwal S., Chandrakar A., Prabukumar M.	A new lightweight conditional privacy preserving authentication and key – agreement protocol in social internet of things for vehicle to smart grid networks	Multimedia Tools and Applications	2.757
Rajiv S., Navaneethan C.	A supervised learning-based approach for focused web crawling for IoMT using global co-occurrence matrix	Expert Systems	2.587
Jayagopal P., Rajendran S., Mathivanan S.K., Sathish Kumar S.D., Raja K.T., Paneerselvam S."	Identifying region specific seasonal crop for leaf borne diseases by utilizing deep learning techniques	Acta Geophysica	2.054

""Scientific research is one of the most exciting and rewarding of occupations." - Frederick Sanger

FACULTY PUBLICATIONS (MAY 2022)

Authors	Paper Title	Journal	Impact Factor
Wang T., Yang Q., Shen X., Gadekallu T.R., Wang W., Dev K.	A Privacy-Enhanced Retrieval Technology for the Cloud-Assisted Internet of Things	IEEE Transactions on Industrial Informatics	10.215
Liyanage M., Pham Q.-V., Dev K., Bhattacharya S., Maddikunta P.K.R., Gadekallu T.R., Yenduri G.	A survey on Zero touch network and Service Management (ZSM) for 5G and beyond networks	Journal of Network and Computer Applications	7.574
Wang W., Srivastava G., Lin J.C., Yang Y., Alazab M., Gadekallu T.R.	Data Freshness Optimization Under CAA in the UAV-Aided MECN: A Potential Game Perspective	IEEE Transactions on Intelligent Transportation Systems	6.492
Li H., Shi D., Wang W., Liao D., Gadekallu T.R., Yu K.	Secure routing for LEO satellite network survivability	Computer Networks	4.474
Sharma A., Tanwar R.S., Singh Y., Sharma A., Daudra S., Singal G., Gadekallu T.R., Pancholi S.	Heart rate and blood pressure measurement based on photoplethysmogram signal using fast Fourier transform	Computers and Electrical Engineering	4.152
Iwendi C., Mohan S., khan S., Ibeke E., Ahmadian A., Ciano T.	Covid-19 fake news sentiment analysis	Computers and Electrical Engineering	4.152
"Safdar S., Rizwan M., Gadekallu T.R., Javed A.R., Rahmani M.K.I., Jawad K., Bhatia S."	Bio-Imaging-Based Machine Learning Algorithm for Breast Cancer Detection	Diagnostics	3.992
"Bhattacharya S., Chengoden R., Srivastava G., Alazab M., Javed A.R., Victor N., Maddikunta P.K.R., Gadekallu T.R."	Incentive Mechanisms for Smart Grid: State of the Art, Challenges, Open Issues, Future Directions	Big Data and Cognitive Computing	3.9
Paliwal S., Mishra A.K., Mishra R.K., Nawaz N., Senthilkumar M.	XGBRS Framework Integrated with Word2Vec Sentiment Analysis for Augmented Drug Recommendation	Computers, Materials and Continua	3.772
Kumar M.S., Khan M.Z., Rajendran S., Noor A., Dass A.S., Prabhu J.	Imbalanced Classification in Diabetics Using Ensembled Machine Learning	Computers, Materials and Continua	3.772
Mannan A., Abbasi A., Javed A.R., Ahsan A., Gadekallu T.R., Xin Q.	Hypertuned Deep Convolutional Neural Network for Sign Language Recognition	Computational Intelligence and Neuroscience	3.633
Singh N., Gunjan V.K., Kadiyala R., Xin Q., Gadekallu T.R.	Performance Evaluation of Seis Tutor Using Cognitive Intelligence-Based "kirkpatrick Model"	Computational Intelligence and Neuroscience	3.633
Subramanian M., Kumar M.S., Sathishkumar V.E., Prabhu J., Karthick A., Ganesh S.S., Meem M.A.	Diagnosis of Retinal Diseases Based on Bayesian Optimization Deep Learning Network Using Optical Coherence Tomography Images	Computational Intelligence and Neuroscience	3.633
Rodrigues A.P., Fernandes R., Aakash A., Abhishek B., Shetty A., Atul K., Lakshmanna K., Shafi R.M.	Real-Time Twitter Spam Detection and Sentiment Analysis using Machine Learning and Deep Learning Techniques	Computational Intelligence and Neuroscience	3.633

FACULTY PUBLICATIONS (MAY 2022)

Authors	Paper Title	Journal	Impact Factor
Aravind K., Maddikunta P.K.R.	Multiobjectives for Optimal Geographic Routing in IoT Health Care System	Complexity	2.833
Lakshmanna K., Shaik F., Gunjan V.K., Singh N., Kumar G., Shafi R.M.	Perimeter Degree Technique for the Reduction of Routing Congestion during Placement in Physical Design of VLSI Circuits	Complexity	2.833
Bibi M., Abbasi W.A., Aziz W., Khalil S., Uddin M., Iwendi C., Gadekallu T.R.	A novel unsupervised ensemble framework using concept-based linguistic methods and machine learning for twitter sentiment analysis	Pattern Recognition Letters	2.81
Saxena N., Saxena G., Khare N., Rahman M.H.	Pansharpening scheme using spatial detail injection–based convolutional neural networks	IET Image Processing	2.373
Iwendi C., Huescas C.G.Y., Chakraborty C., Mohan S.	COVID-19 health analysis and prediction using machine learning algorithms for Mexico and Brazil patients	Journal of Experimental and Theoretical Artificial Intelligence	2.111
Nandhini Abirami R., Durai Raj Vincent P.M., Srinivasan K., Manic K.S., Chang C.-Y.	Multimodal Medical Image Fusion of Positron Emission Tomography and Magnetic Resonance Imaging Using Generative Adversarial Networks	Behavioural Neurology	1.912
Boopathi M.	Henry MaxNet: tversky index based feature selection and competitive swarm henry gas solubility optimization integrated Deep Maxout network for intrusion detection in IoT	International Journal of Intelligent Robotics and Applications	1.81
Selvaraj D., Krishnamurthy E., Sasikumar D., Sivankutty L., Kaliyaperumal G.	Tiling algorithm with line-based transform for rapid ship detection and wake feature extraction in ALOS-2 SAR sensor data	International Journal of Applied Science and Engineering	1.41
Sudha M.K., Manorama M., Aditi T.	Smart Agricultural Decision Support Systems for Predicting Soil Nutrition Value Using IoT and Ridge Regression	Agris On-line Papers in Economics and Informatics	1.38
Ephzibah E.P., Sujatha R., Chatterjee J.M.	An adaptive neuro-fuzzy inference for blockchain-based smart job recommendation system	International Journal of Information and Decision Sciences	1.22
Chowdhary C.L., Srivatsan R.	Non-invasive Detection of Parkinson's Disease Using Deep Learning	International Journal of Image, Graphics and Signal Processing	0.722
El-Gburi J., Srivastava G., Mohan S.	Towards reliable electronic exam networks	International Journal of Computer Aided Engineering and Technology	0.63
Rajyalakshmi V., Lakshmanna K.	A review on smart city - IoT and deep learning algorithms, challenges	International Journal of Engineering Systems Modelling and Simulation	0.42
Rani M.S., Sumathy S.	A Study on Diverse Methods and Performance Measures in Sentiment Analysis	Recent Patents on Engineering	0.35

"Research is creating new knowledge" - Neil Armstrong

FACULTY PUBLICATIONS (JUNE 2022)

Author (s)	Title	Journal	Impact Factor
Xu L., Zhou X., Li X., Jhaveri R.H., Gadekallu T.R., Ding Y.	Mobile Collaborative Secrecy Performance Prediction for Artificial IoT Networks	IEEE Transactions on Industrial Informatics	10.215
Maria Manuel Vianny D., John A., Kumar Mohan S., Sarlan A., Adimoolam, Ahmadian A.	Water optimization technique for precision irrigation system using IoT and machine learning	Sustainable Energy Technologies and Assessments	5.353
Raju B., Kumar R., Senthilkumar M., Sulaiman R., Kama N., Dhanalakshmi S.	Humidity sensor based on fibre bragg grating for predicting microbial induced corrosion	Sustainable Energy Technologies and Assessments	5.353
Abbasi A., Javed A.R., Iqbal F., Jalil Z., Gadekallu T.R., Kryvinska N.	Authorship identification using ensemble learning	Scientific Reports	4.379
Cui Y., Song X., Liu J., Chen K., Shi G., Zhou J., Gs T.	AACF - Accessible Application-Centric Framework for the Internet of Things Backhauled Smart City Applications	IEEE Transactions on Network Science and Engineering	3.894
Adimoolam M., Mohan S., John A., Srivastava G.	A Novel Technique to Detect and Track Multiple Objects in Dynamic Video Surveillance Systems	International Journal of Interactive Multimedia and Artificial Intelligence	3.137
Pandiyan S., Govindjee G., Meenatchi S., Prasanna S., Gunasekaran G., Guo Y.	Evaluating the Impact of Summer Drought on Vegetation Growth Using Space-Based Solar-Induced Chlorophyll Fluorescence Across Extensive Spatial Measures	Big Data	2.128
Jothi Kumar C., Deeban Chakravarthy V., Ramana K., Maddikunta P.K.R., Xin Q., Surya Narayana G.	OTP-ER: an ordered transmission paradigm for effective routing in IoT based wireless sensor networks	Optical and Quantum Electronics	2.084
Karpagarajesh G., Santhana Krishnan R., Harold Robinson Y., Vimal S., Thamizharasan S., Subbulakshmi P., Kaliappan M.	Comparative analysis of FSO, OFC and diffused channel links in photonics using artificial intelligence based S-band, C- band and L-band of the attenuation metrics	Optical and Quantum Electronics	2.084

"Research is formalized Curiosity" - Zara Neale Hurston

EVENTS

HACK-A-THON

A 12-hour hackathon on "Solving Real-Life Challenges Using JAVA" was organized by the Department of Computer Applications (Coordinators: Dr. Shynu P. G & Dr. Nallakaruppan M K) on June 4, 2022, 50 teams - 260 students, 7 teams won the best project award

EXPERT LECTURES ORGANIZED

(Apr - May 2022)

Title	Resource Person
Current Trends in Mobile App Development	Mr. Vasanthakumar D
Emerging Trends in Web research	Prof. Carlos Alves
International Seminar On Penetration Testing	Mr. Subhash
Practical Challenges in Object – Oriented Design – An Industry perspective	Mrs. Vijayalakshmi Porchezhian
An Overview of SAP and Fiori Web App	Mrs. Vijayalakshmi Porchezhian
Structured Object Oriented Programming in Industries	Mr. Pari Jayapal
Information Security - A Design Perspective	Ms. Daranya Chathurthi T K
Information Security Management	Ms. Daranya Chathurthi T K
Handwritten Text Analysis for Forensic Applications	Prof. P. Shivakumara
Information Security – A Design Perspective	Ms. Daranya Chathurthi T K
Current Trends in Interaction Design for Software Development	Prof. Kenya Oduor
Applications of Data Structures in Industry	Ms. T. Vaishali
Design Thinking for Effective Customer Experience	Mr. Dhaval S Gandhi
Software Reverse Engineering – An Industry Perspective	Ms. Banu Priya
Design Thinking as a Tool for Innovation	Mr. Dhaval S Gandhi
Emerging Trends in Software Security and its Application	Mr. Soma Shakar K
Application of Agile Methodology in the Industry	Mrs. Gargi Kanjilal
Computer Architecture Design	Mr. Muthu Kumar
Software Evaluation in the Industry	Mrs. Gargi Kanjilal
MVC Framework and Responsive Web design	Mr. Ganesan P

"Self-discipline has a bigger effect on academic performance than does intellectual talent" - Charles Duhigg

EXPERT LECTURES ORGANIZED
(Apr - May 2022)

Title	Resource Person
Current Trends in Interaction Design for Software Development	Prof. Kenya Oduor
Contemporary issues in Data Mining – An Industry Perspective	Prof. Suresh Madhesan
Open Source Development for Enterprise Solutions	Mr. Gurunatha Prasad V
Aspects of Machine Learning in Theory of Computation	Mr. Soham Sen
The Experimental Mindset and Design	Mr. Dhaval S Gandhi
Tools for Egovernance Project an Industry Perspective	Ms. Devi Sathya Rani
5g and Beyond Journey Towards 6g	Prof. Biswapratap Singh Sahoo
Industry Perspective of Machine Learning in Theory of Computation	Mr. Soham Sen
Role of Programming in Virtualization of Network for Data Centers	Mr. Kompella Phani
Optimization in Industry – Present Practices	Mr. Pavan Soni
Trustworthy AI – Opportunities and Challenges	Prof. Srinivas Padmanabhuni
Industry Trends and Standard Practices in Agile Project Management – A DevOps Perspective	Mr. Sunil Subrahmanyam Yadavalli
Industrial View of Database Systems	Prof. Pethuru Raj
Security Deployment from Industry perspective	Mr. Krishna Pandey
Mobile Networks Growth Impact on Vehicle Network in M Commerce	Mr. Surya Prakash R
IOT Applications in Robotics and Automation	Prof. Thirumurugan Shanmugam
Careers in Cyber Security	Mr. Er. Krishna Prasad G
Implementation of Machine Learning Models in Business Optimizations	Mr. Rishabh Sharma
Placement Orientation and Training	Prof. U. Senthil Kumaran

EXPERT LECTURES ORGANIZED
(Apr - May 2022)

Title	Resource Person
Tools for E-governance Project an Industry Perspective	Mrs. Shameena Md. Nayeem
Cybercrime and Digital Forensics	Prof. Kanagasundaram K
Cryptography Tools : An Industry Perspective	Mr. Dinesh Paranthagan
Purpose and Security in open source operating systems - Live Demo	Mr. Dinesh Paranthagan
Careers in Cyber Security	Mr. Er. Krishna Prasad G
Algorithm To Architecture Approach	Mr. S. Muthukumar
Relational Databases in cloud	Mr. Anand Ragothaman
Low Code Platform Using Java	Mr. Rabindra Kumar Patra
Band Selection strategies for Hyperspectral Image Classification	Prof. Prabkumar M
Emerging Trends in Data Science and Its Application	Ms. Nrithya Muniswamy
OS Security - Threats and Security Controls in A Nutshell	Ms. Daranya Chathurthi T K
How to do Projects from Industry Perspective	Prof. R. Ravichakravarthi
An Idea to use Linux OS in a better way - Live Demo	Mr. Dinesh Paranthagan
Recent Trends in Digital Logic and Microprocessor	Mr. Jeevananth K
Cybercrime and Digital Forensics	Prof. Kanagasundaram K
Microprocessor and its Applications	Mr. Sriram Nagarajan
Applications of Digital Logic and Microprocessor in Industry	Mr. Jeevananth K
Careers in Cyber Security	Mr. Krishna Prasad G
Integrating Cyber Security and Data Science/Machine Learning with Applications in the Internet of Transportation Systems	Prof. Bhavani Thuraisingham
Software Testing Tools - An Industry Perspective	Mr. Arun Kumar V.K
Three Dimensional Functional Brain Imaging, Analysis and Applications	Prof. Weiying Dai

EXPERT LECTURES ORGANIZED
(Apr - May 2022)

Title	Resource Person
Metaverse - Challenges, Methods, Applications and Future Directions	Ms. Sunil Maheshwari
Quai-operating Systems - View of Futuristic Approach	Thanikachalam Mannangatti
Design Patterns - Industry Perspective	Ms. Banupriya Subramani
Computer Networks Applications - An Industrial Approach	Mr. Saikat Das
ERP SAP An Industrial Perspective	Mr. Manoj Kumar K
Neuro-fuzzy Soft Computing and Applications	Prof. Sathish B
Various Concepts of Operating Systems	Prof. Sumathy S
IoT Case Studies - Industry Perspective	Mr. Jayasakthi K
Storage Management - An Industry Perspective	Mr. Narayanan Durai
Recent Advancements in Storage Management	Mr. Narayanan Durai
Applications of Deep Learning in Natural Language Understanding and Generation	Mr. Manish Jain
Recent Research challenges: Multi objective optimization techniques and it's application	Dr. GP Rangaiah
A Plan towards successful placements	Mr. Aniket Pandey
Availability In Azure	Mr. Abdul Feroz
Application Of Deep Learning In Natural Language Understanding And Generation	Mr. Manish Jain
Contemporary Data Science	Mr. Vijay Krishna Menon
Future Trends of Microporcessors	Mr. Abin Satheesan
Microcontroller for Industrial Applications	Mr. Gowtham Raj
Programming In C With Industry Application	Mr. Narayanan Durai

EXPERT LECTURES ORGANIZED
(May - June 2022)

Title	Resource Person
Industry 4.0 & BEYOND	Mr. Dilip, Dr. Santhi Thilagam, Mr. Sachin Tonapi, Ms. Lakshmi Narasimhan G, Mr. Swaraj Mukherjee, Mr. Jalli Saddappa, Mr. Gowtham R, Mr. Lalith Kumar Vemali, Mr. I V S Ranganath
Real Time Application of Data Structures	Mr. Balaji Pandiyan K
An Industrial Perspective on Data Structures	Mr. N. Sathyamoorthy
Distributed Operating Systems-An Industry Perspective	Mr. Mohammed Farooq Abdulla
Data Structures in Live Projects	Mr. Sathyamoorthy
Computer Vision and Machine Intelligence	Dr.Jagadeesh Kakarla, Dr. Ram Prasad Padhy, Mr.Jai Ganesh, Mr. Deepan Raj, Mr. Magesh Babu Jayaraman, Mr. Bharathi Raja N
Challenges and Opportunities for Applying the Internet of Things (IoT) into the Occan-Sea Environment	Dr. Tien Anh Tran

"The only source of Knowledge is Experience" - Albert Einstein

LECTURE BY FOREIGN PROFESSOR

Prof. Carlos Alves, IPCB, Portugal delivered a lecture to students and faculties on Emerging Trends in Webresearch

SITE - BU WEBINARS

BINGHAMTON UNIVERSITY & VIT Vellore Institute of Technology

Webinar entitled "Three Dimensional Functional Brain Imaging, Analysis, and Applications" by Dr. Weiying Dai, Assistant Professor, Department of Computer Science, Binghamton University, State University of New York, Binghamton, NY

Dr. Dr. Weiying Dai received her B.S in Mathematics from Peking University and Ph.D in Computer Science from University of Pittsburg. She was an intructor st Beth Israel Deaconess Medical Center, Harvard Medical School. Her research interests include brain mapping, neuroimaging, functional MRI, biomedical image processing, machine learning, pattern recognition, computer vision and information retrieval.

Webinar entitled “Spatio-Temporal Domain Features for Identification of Fake Action and Fake Video" by Dr. Lijun Yin, Professor, Department of Computer Science, Binghamton University, State University of New York, Binghamton, NY

Dr. Lijun Yin is the Director of Research Center for Imaging , Acoustics and Perception Science (CIAPS), Binghamton University. His research contribution includes development of computational methods in computer vision, graphics, human computer interaction for human behaviour modeling, analysis and understanding with benchmark data released to the research community

Webinar entitled “Band Selection Strategies for Hyperspectral Image Classification" by Dr. Prabukumar M, Associate Professor, School of Information Technology and Engineering, VIT Vellore .

His research interests include medical image analysis, machine learning, computer graphics, image processing, video processing, remote sensing, video watermarking, and pattern recognition

Webinar “Image/Video Analytics for Plant Stress, and Disease Monitoring" by Dr. Hari Kishan Kondaveeti, Associate Professor, School of Computer Science and Engineering, VIT

His research interests include Image Processing, IoT, Distributed Storage, Processing and Analysis

If you want to shine like a sun, first burn like a sub - Dr. A. P. J, Abdul Kalam

FACULTY EVENTS

SITE Faculty Fun Event was conducted by the VIT Counselling Team on July 6th 2022

- The counselling team organized fun sessions and games involving faculty participants
- It acted as a great stress buster and rejuvenated the faculty members

"Teaching is not a job. It's a lifestyle. It permeates your whole life"- Jill Biden

STAFF EVENTS

A Microsoft Excel - Vlookup workshop was conducted for the Staff Members of SITE

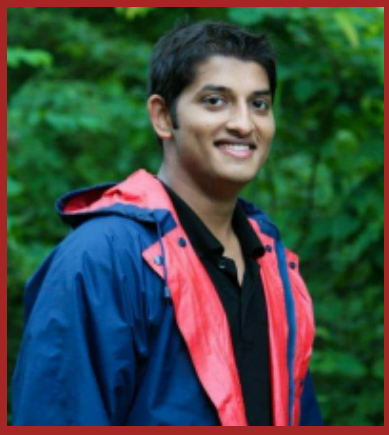
"Choose a job you love, and you will never have to work a day in your life"- Confucius

DISTINGUISHED ALUMNI

Ramya Basavaraju
(B.Tech - IT) (2013- 2017)
CEO & Founder of Arka Events

Nimesh Khandelwal
(B.Tech - IT) (2014- 2018)
Co-Founder & Instructor of CampusVeda

Mudit Gami
(B.Tech - IT) (2014- 2018)
Founder of Perfect 3012



Hitarth Jain
(B.Tech - IT) (2016- 2020)
Co-Founder & CBO
Healthidance

Amitav Khandelwal
(B.Tech - IT) (2008- 2012)
Founder of ValarTech

Senthil Kumar
(B.Tech - IT) (2007- 2011)
Founder of Chief Coder of Codingmart Technologies

"Strive not to be a success but rather to be of value" - Albert Einstein

ALUMNI SPEAKS

Mr. Manoj M K, DevOps Engineer, Oracle - Bangalore.

The professors of SITE are a great combination of knowledge and skills who constantly support and motivate students. By inculcating the methods of hands on practice and continuous learning, my professors helped me achieve explicit knowledge on various subjects.

Ms. S Ashwini Priyanka, Senior Automation tester, Wipro.

VIT is a place filled with memories. The participation in events at VIT helped me overcome my stage fright. The concepts of IT became more lucid when we implemented them in various projects. The experience of working in an IoT project gave me the confidence to overcome various professional hurdles. I will always cherish my memories at VIT.

Ms. Tapsi Sharma, Senior Business Intelligence Analyst at Commvault, San Francisco, California.

My Master's degree from SITE comprised of a plethora of competitive courses, hands on projects related to solving real-world problems, presentations, mentorships which not only improved me academically but also led to the overall personality development. The guidance I received from my mentors boosted my confidence to superior level and helped me achieve success in my life

""Education is not the learning of facts, but training of the mind to think" - Albert Eintein

SCHOLAR SPEAKS

J. Guruprakash is currently a Research Scholar with the School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India, with more than 15 years of experience in IT industry and teaching. His research interests include blockchain technologies, the IoT, and AI/ML. He mentions - "I have a keen interest in the area of Blockchain and with the constant support and motivation of my research supervisor, I have published papers related to IoT and Blockchain in reputed journals. Mr. Guruprakash is currently focused on resolving the issue of scalability in Blockchain."

Dasari Sandeep is currently pursuing PhD as an internal full-time research scholar at school of information technology and engineering in Vellore institute of technology. His research interest lies in the area of Machine Learning. He has been working on Privacy Preservation in Financial Data by Adopting Machine Learning Techniques. He mentioned- "The guidance and support from my research supervisor has helped me initiate my research work with optimum enthusiasm and motivation."

Posham Uppamma is currently pursuing research on “Integration of Machine Learning and Blockchain in HealthCare”, in the School of Information Technology and Engineering, Vellore Institute of Technology. She is working on application of bio-inspired algorithms in disease predictions. She mentioned - "The school and the University has provided me with a conducive environment to perform my research efficiently and effectively. "

"No research without action, no action without research" - Kurt Lewin

We would like to extend our heartfelt thanks to the Dean, Associate Dean, HoDs, faculty members, staffs, research scholars, alumni and student community for their consistent support in publishing the newsletter

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Dr. Sweta Bhattacharya

Dr. Siva Rama Krishnan S

Dr. Harshita Patel

"Today a reader, tomorrow a leader." - Margaret Fuller

Thank You!!!