



# Vel Tech

Rangarajan Dr. Sagunthala

R&D Institute of Science and Technology

Approved by the University Grants Commission (UGC) Act, 1956



## Vel Tech

Rangarajan Dr. Sagunthala

R&D Institute of Science and Technology

Approved by the University Grants Commission (UGC) Act, 1956

# NEWSLETTER

SCHOOL OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING

(2023 JAN - 2023 JUN / VOLUME 8/ISSUE 2)



## VISION AND MISSION OF THE DEPARTMENT



### VISION

To produce intellectual graduates who could contribute significantly in the analysis, design, development, operation and maintenance of complex software systems for meeting the ever-changing requirements of service systems and to compete globally towards professional excellence.

### MISSION

- M1:** Design curricula for imparting training in adapting newer computing methods and technologies for providing effective and efficient solutions to the existing / new problems.
- M2:** Emphasizing in-depth knowledge of the subjects by employing Information and Communication Technology (ICT) based pedagogy methods.
- M3:** Creating a conducive research environment for making technological innovations by the faculty and students.
- M4:** Providing leadership skills and professional ethics thereby making a prolific career in academics and industry.

### PROGRAM EDUCATIONAL OBJECTIVES

- PEO1:** Design curricula for imparting training in adapting newer computing methods and technologies for providing effective and efficient solutions to the existing / new problems.
- PEO2:** Emphasizing in-depth knowledge of the subjects by employing Information and Communication Technology (ICT) based pedagogy methods.
- PEO3:** Creating a conducive research environment for making technological innovations by the faculty and students.
- PEO4:** Providing leadership skills and professional ethics thereby making a prolific career in academics and industry.

## PROGRAM OUTCOMES (POs)



- PO1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2: Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3: Design / development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.
- PO4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- PO6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

## PROGRAM SPECIFIC OUTCOMES (PSOs)



- PSO1: Mathematical Concepts:** Equipped with the knowledge to infer the mathematical models for problem solving using data structures, design and analysis of algorithms.
- PSO2: Software Development:** Exhibit proficiency to analyze, design and develop applications in various domains to provide solutions using innovative ideas.
- PSO3: Transferring Skills:** Demonstrate the ability to provide solutions for real world problems through acquaintance and hands-on training.

## NEWS LETTER

The Department of Computer Science and Engineering (CSE), established in 1997, has evolved from a modest intake of 250 students to a vibrant academic community of 3,051 students. The Department is equipped with state-of-the-art laboratories and is supported by a highly qualified and dedicated faculty team comprising 19 Professors, 44 Associate Professors, and 152 Assistant Professors, with 83 are Doctrates. Students actively participate in professional bodies such as CSI, IEEE-CS, IEEE-PCS, IEEE-WIE, ACM, and ISTE, enhancing their technical and professional competencies. The Department regularly organizes technical events, workshops, seminars, hackathons, and coding competitions, and its students consistently demonstrate excellence through notable academic and extracurricular achievements at regional, national, and international levels. The Department maintains an outstanding placement record, with students recruited by leading multinational companies including Amazon, Cisco, Accenture, Capgemini, Virtusa, Wipro, ZOHO, KAAR Technologies, TCS, Microsoft, Infosys, Cognizant, HP, and Verizon. Faculty and students actively contribute to high-quality research publications in reputed journals and conferences, strengthening the Department's research culture. Additionally, the Department publishes two issues of its newsletter every year, showcasing technical events, student achievements, Student placement highlights, and research contributions. For further details, visit [www.veltech.edu.in/cse](http://www.veltech.edu.in/cse).



# INSTITUTION LEADERSHIPS



**Col. Prof. Vel. Dr. R. Rangarajan**  
B.E. (Elec), B.E. (Mech), M.S. (Auto), D.Sc.,  
Founder President and Chancellor



**Dr. Sagunthala Rangarajan**  
MBBS  
Foundress President



**Mrs. Rangarajan Mahalakshmi Kishore**  
B.Tech, M.Tech, MBA(UK),  
Chairperson and Managing Trustee



**Prof. Dr. S. Salivahanan**  
Vice-Chancellor



**Dr. V. Srinivasa Rao**  
Dean - School of Computing

## EDITOR IN CHIEF

**Dr. V. Srinivasa Rao**  
*Dean - School of Computing*

## MANAGING EDITORS



**Dr. M. S. Muralidhar**  
*HoD - CSE*



**Mr. Manivannan D**  
*Assistant Professor - CSE*



**Mr. Siva Ramalingam**  
*Assistant Professor - CSE*

## STUDENTS



**AZFER MIRZA**  
VTU21504



**ASHWIN SIVAKUMAR**  
VTU22633



**ANOOP SACHIN**  
VTU23909

Published By,  
Department of Computer Science and Engineering  
School of Computing

# STUDENT SPECIAL ACHIEVEMENTS

## Secured ₹1,00,000 Grant – CHANAKYA Fellowship Recognition



Pratyush De (VTU Register Number: VTU 12070) and Dipta Talukder (VTU Register Number: VTU 28596) have been awarded a prestigious ₹1,00,000 grant under the CHANAKYA Fellowship Program. The grant was conferred by the IITM DRISHTI CPS Foundation under the NM-ICPS scheme in support of their proposed project. This achievement highlights their innovation and research excellence. The project was carried out under the guidance of Dr. N. Malarvizhi, Professor, Department of Computer Science and Engineering.

## Outstanding Achievement at Texus Hackatoge – ₹15,000 Cash Prize



Aniket Kumar (VTU 16970), Manish Kumar (VTU 17178), and Utkarsh (VTU 17060) were rewarded with a cash prize of ₹15,000 for their exceptional performance at Texus Hackatoge, organized by SRM Institute of Science and Technology, Ramapuram Campus. Their achievement reflects strong technical expertise, innovation, and teamwork. The team was guided and mentored by Dr. M. Kavitha, Professor, Department of Computer Science and Engineering, whose support played a key role in their success.

# STUDENT SPECIAL ACHIEVEMENTS

## Secured ₹20,000 Cash Prize at UR-Hackathon 2023



Dinesh Aitham was awarded a cash prize of ₹20,000 for his outstanding performance at the UR-Hackathon, held from 4th November 2023 to 8th November 2023. His achievement reflects innovation, technical excellence, and problem-solving skills demonstrated during the event, marking a significant milestone in his academic and professional journey.

## Recognized for Literary Excellence – Book Writing Achievement



Kavya (VTU 20414) was awarded a cash prize of ₹2,034 in appreciation of her accomplishment in writing a book. This recognition highlights her creativity, dedication, and literary talent, marking a proud achievement in her academic journey.

# CODEATHON'23

31.01.2023

Competitive programming can help develop skills such as problem-solving, critical thinking, and efficient coding. These can be valuable in a variety of careers such as software development, data science, and research. Many companies also use these programming problems as a way to assess job applicants. The Event was a grand success by the direction and guidance of Dr.V.Srinivasa Rao, Dean of School of Computing.



# FLUTTER DEV.IN THE DESIGN DEN

24.02.2023

The workshop aims to make students understand the principles of UI/UX design and to learn how to use flutter framework. It also aims to deliver how to design an attractive and responsive UI, build a functional application and to optimize user experience.



# ARTIFICIAL INTELLIGENCE OF THINGS (AIOT) IN AGRICULTURE AND AQUACULTURE

09.03.2023

To understand Artificial Intelligence of Things (AIoT) which is the combination of Artificial intelligence (AI) technologies with the Internet of things (IoT) infrastructure to achieve more efficient IoT operations, improve human-machine interactions and enhance data management and analytics, The workshop was started with the welcome address given by Dr.V.SrinivasaRao, Professor & Dean SOC, Department of CSE. Following that Dr K. Seethalakshmi introduced the resource person to the students. The session was started exactly at 10.00 am and led by Dr. P. Kumaran Assistant Professor, National Institute of Technology, Karaikal, Pondicherry.



# DATA EXPLORATION AND PREDICTION USING MACHINE LEARNING

23.03.2023

An insightful session was delivered by Dr. C. S. Saravana Kumar, Senior Architect at Bosch Global Software Technologies, Coimbatore, focusing on how to explore and analyze raw data effectively and transform it into meaningful insights. The session provided students with a clear understanding of data extraction techniques and guided them on building effective Machine Learning models. Through practical insights and industry-oriented examples, students gained valuable exposure to real-world data modeling approaches and best practices in ML development.



## IDEA CONTEST'23

29.03.2023

This contest provided students with an opportunity to think beyond the curriculum, encouraging them to develop innovative and creative solutions to real-world social issues. It helped inculcate a strong research culture among students while offering a platform to express their ingenious ideas and problem-solving abilities.

### First Position:

VTUI7559 – Abhishek Tella

VTUI7911 – Asutosh Panda

VTUI6889 – Manpreet Singh

### Second Position:

VTU20315 – Rohit Yadav

VTU20288 – Ritik Raushan

VTU20322 – Kumar Gaurav



## MONITORING AND VISUALIZING OF TIME SERIES DATA USING PROMETHEUS AND GRAFANA

23.03.2023

Grafana and Prometheus are open-source tools widely used for data monitoring, visualization, and analysis, enabling users to represent data through interactive and insightful dashboards. The session provided students with practical exposure to designing and developing Grafana and Prometheus dashboards. Students learned how to explore analytical and visualization tools effectively, which will be highly beneficial for their academic and project work.

### Resource Person:

Dr. P. Kumaran

Senior Technical Consultant



## INDUSTRY INTERACTION AND MENDIX LAB

10.02.2023

This interaction is meant to succeed in the student placement and internship in Rapid Data Technologies. Rapid data Technologies is a leading system implementer for Mendix and Big Data platforms. It has strong technology workforce building solutions for artificial intelligence and IOT applications.

Students gained knowledge about developing an application with the help of Mendix platform, mendix certification courses to get a internship and placement in Rapid data technologies. Aysha Begum from Rapid data technologies inaugurated and addressed the students.



## EXPLORATION OF DATA SCIENCE TOOLS

04.08.2023

Data science is the process of drawing useful insights from raw data using a combination of different components such as domain expertise, knowledge of maths and statistics, programming skills, and machine learning models. This seminar is for students to explore various data science tools such as Jupyter Notebook, Pandas, R and Scikit-learn

Students got knowledge and skills in Data Storage, Analysis, Modelling and Visualization. The feedback about the seminar was excellent.



# INDUSTRY PROGRAM

S No	Subject Code	TITLE	Resource person & Details of the resource person	Date	Hours	Credits	No of Student Registered	No of Student earned credit
1	1157CS128	ML Ops: Machine Learning Operations	Dr. Shanmugakumar Murugesan, Founder CEO, Matik One	31.01.2023, 24.03.2023, 25.03.2023	15	1	29	29
2	1157CS119	UI/UX development	Ms. Merlin, Training Manager, Thinkworks Infotech	08.3.2023 - 10.3.2023	15	1	59	57
3	1157CS129	Metaverse	Mr. Y. Srinivasan, Founder CEO, Grahas VR	14.02.23, 15.02.03, 16.02.23	15	1	59	59
4	1157CS956	DevOps	Anil Kumar Sandrapuri, Technical Solutions Leader (Multi Cloud), Kyndryl (IBM Spinoff)	23.02.2023, 24.02.2023, 25.02.2023	15	1	60	60
5	1157CS132	IoT Apps development	Mr. Narendh Subramani, Senior App developer, Capgemini	19.03.2023, 23.03.2023, 25.03.2023	15	1	59	59
6	1157CS130	ARM architecture	Dr. P. Rohini, Assistant Professor, IIITDM - Kancheepuram	06.04.23, 20.04.23 & 21.04.23	15	1	51	51
7	1157CS131	Federated Learning	Vimalkumar Kumaresan, Data Science Manager and big data architect.	17.03.2023, 06.04.2023, 08.04.2023	15	1	60	60
TOTAL							375	375

# ABROAD PROGRAM (IHL)

S No	Subject Code	Title	Resource person & Details of the resource person	Date	Hours	Credits	No of Student Registered	No of Student earned credit
1	1157CS126	Game Development for Android	Prof. Dr. Jey Chelladurai, East Stroudsburg University, USA	06.03.2023 to 08.03.2023	15	1	36	36
2	1157CS127	Virtual and Augmented Reality (Batch 1 & 2)	Prof. Dr. Jey Chelladurai, East Stroudsburg University, USA	11.01.2023 to 13.01.2023	15	1	113	108
3	1157CS945	Artificial Neural Networks	Prof. Dr. Shridhar, University of Michigan, USA	23.01.2023 to 31.01.2023	15	1	57	57
4	1157CS132	Deep Learning Approaches	Prof. Dr. Shridhar, University of Michigan, USA	24.02.2023, 25.02.2023 27.02.2023	15	1	61	61
5	1157CS135	Introduction to Convolutional Neural networks	Prof. Dr. Shridhar, University of Michigan, USA	27.02.2023 to 03.03.2023	15	1	61	61
6	1157CS999	GUI Design using iOS	Prof. Dr. Jey Chelladurai, East Stroudsburg University, USA	06.01.2023, 09.01.2023, 10.01.2023	15	1	31	31
7	1157CS134	Fundamentals of Deep Learning	Prof. Dr. Shridhar, University of Michigan, USA	09.03.23, 10.03.23 & 13.03.23	15	1	65	60
8	1157CS133	Theory and Application of Smart IoT	Prof. Dr. Hee Yong Youn, Sungkyunkwan University, South Korea	13.03.23 to 21.03.23	15	1	69	66
9	1157CS124	Hardware and Software Components for building Smart IoT	Prof. Dr. Hee Yong Youn, Sungkyunkwan University, South Korea	23.03.23 to 31.03.23	15	1	64	59
10	1157CS913	Applied artificial Intelligence & intelligence Systems	Prof. Dr. Keshav Dahal, University of the West of Scotland.	30.03.23 to 01.04.23 & 03.04.23, 05.04.23	15	1	71	60

# ABROAD PROGRAM (IHL)

S No	Subject Code	Title	Resource person & Details of the resource person	Date	Hours	Credits	No of Student Registered	No of Student earned credit
11	1157CS976	Financial Technology	Prof. Dr. Keshav Dahal, University of the West of Scotland, Scotland, UK.	31.03.23, 01.04.23 & 03.04.23, 05.04.23	15	1	70	70
12	1157CSI38	Digital Forensics and Incident Response	Dr.Sundresan Perumal, University Sains Islam Malaysia, Malaysia	17.04.23 to 21.04.23	15	1	68	68
13	1157CSI37	Cybersecurity Threat Defense and Incident Handling	Dr.Sundresan Perumal, University Sains Islam Malaysia, Malaysia	17.04.23 to 21.04.23	15	1	66	66
<b>TOTAL</b>							<b>814</b>	<b>803</b>



**Prof. Dr.Sundresan Perumal, University Sains Islam Malaysia, Malaysia**

1157CSI38 - Digital Forensics and Incident Response

# ABROAD PROGRAM (IHL)



**Anil Kumar Sandrapuri, Technical Solutions  
Leader (Multi Cloud), Kyndryl (IBM Spinoff)**

1157CS956 – DevOps



**Prof. Dr. Keshav Dahal, University of the West of  
Scotland, Scotland, UK**

1157CS976-Finacial Technology



**Prof. Dr. Jey Chelladurai, East Stroudsburg  
University, USA**

1157CS126 - Game Development for Android

# STUDENT PARTICIPATION

Major Events Conducted for Students for the Academic Year 2022-2023 rewarded with Cash Prizes and Merit Certificates.

S.No	Date of Event	Event Name	Faculty Coordinator	Total Number of Students Participated
1	28.10.2023	Codethon-22	Mrs.K.Prema	46
2	29.10.2023	Idea Contest-22	Mrs.P.Arivubakan	64
3	31.1.2023	Codethon-23	Mrs.P.Arivubakan	41
4	27.03.2023	Coding Champions-23	Mrs.P.Arivubakan	51
5	29.03.2023	Idea Contest-23	Mrs.K.Prema	46
6	31.03.2023	Prakalpaz-23	Mr.Kishore Kumar	29

S.No	Event Name	Participated	Prize Winners
1	Hackathon	152	12
2	Idea Contest	96	16
3	Quiz	252	10
4	Coding Competitions	350	38
5	Tech Fest	402	9
6	Paper Presentations	50	0
7	Non-Technical Events	71	1
<b>Total</b>		<b>1482</b>	<b>86</b>

# PLACEMENT RECORD

Company Name	Count	CTC	Company Name	Count	CTC
Accenture	99	4.5	IDP	5	8
Acies Global	2	5	Ignitarium Technology	1	5
Adp	5	8.8	Infosys (Se)	9	3.6
Amadeus Labs	3	11.77	Jio Platforms	5	5
Amadeus Labs (Internship)	4	3.6	Jsw Group	1	9.5
Aptean	1	5.5	Kaar Technologies	13	6.5
Atos Global	2	3.1	Kpmg India	4	5
Automotive Robotics	7	3	Lti	2	5
Blue Binaries	3	3.75	Movidu Technologies	7	7
Bnp Paribas	11	3.5	Mu Sigma	7	5
Capgemini	121	4.25	Multicoreware	2	7.2
Cgi	17	3.93	Mycaptain	1	5
Cisco	1	24.7	Nielson Iq	3	11.5
Cognizant	120	6.75	Odessa Technologies	3	7.5
Comcast India	6	8.25	Open Text	32	9
Concentrix	26	3	Qube Cinema Technologies	1	10
Congruent Solutions	3	2.5	Sasken Technologies	6	5
Daimler India	1	7.5	SharpSell	1	8
Dxc	10	4	Sirius	1	7
Egoverance	2	7	TCS DIGITAL	8	7
Embitel Technologies	9	5	Tejas Network	1	10
Epikindifi	1	6	Telestratum Networks	3	6
Evertz India	1	5.5	Virtusa	33	5.5
IBM Codeknack	1	4.5	YUBI	1	15
Idea Breed	1	4.5	Zoho	5	8.4

# FACULTY EVENT PARTICIPATION

## Faculty Participation in FDP Domain Wise

<i>Domain Name</i>	<i>Number of Faculties Participated</i>
<i>Cyber Security</i>	<i>8</i>
<i>Machine Learning and Deep Learning</i>	<i>60</i>
<i>Internet of things &amp; Industry 4.0</i>	<i>15</i>
<i>Artificial Intelligence and NLP</i>	<i>45</i>
<i>Data Visualization</i>	<i>3</i>
<i>Teaching and Learning</i>	<i>10</i>
<i>Computer vision and Data science</i>	<i>29</i>
<i>Big Data Analytics</i>	<i>7</i>
<i>Image Processing</i>	<i>5</i>
<i>AWS</i>	<i>10</i>
<i>Block Chain Technology</i>	<i>12</i>
<i>Cloud Computing</i>	<i>27</i>
<i>Middleware technologies</i>	<i>43</i>
<i>Network Security</i>	<i>29</i>
<i>Web and Mobile Application Development</i>	<i>5</i>
<i>Python Programming</i>	<i>5</i>
<i>IPR and Research</i>	<i>40</i>
<i>Digital Work space and Virtualization</i>	<i>3</i>
<i>Mainframe System Administration</i>	<i>3</i>
<i>Others</i>	<i>10</i>

# RESEARCH / PATENT / BOOK & BOOK CHAPTER PUBLICATIONS

 **13 – SCI Papers Published**  **18 – SCOPUS Indexed Papers Published**

 **18 – Student & Faculty Publications**  **22 – Conference Papers Published**

## JOURNALS

- Prema, K., Visumathi, J. A Novel Marine Predators Optimization based Deep Neural Network for Quality and Shelf-Life Prediction of Shrimp, International Journal on Recent and Innovation Trends in Computing and Communication, March 2023, Vol. 11 PP. 65-72
- Shyamala Devi Munisamy, Venkatesan Dhilip Kumar, Adrian Brezulanu, Oana Geman, and Muhammad Arif A Novel Blunge Calibration Intelligent Feature Classification Model for the Prediction of Hypothyroid Disease, Sensors, vol. 23, no. 3: 1128, PP 1424-8220.
- V Dhilip Kumar, P Rajesh, Oana Geman, Maria Daniela Craciun, Muhammad Arif, Roxana Filip, “Quo Vadis Diagnosis”: Application of Informatics in Early Detection of Pneumothorax, Journal of MDPI Diagnostics, March 2023, Vol. 13 PP. 1-21.
- Dr. M. Guru Vimal Kumar, Lenka Čepová, M Raja, Allam Balaram, Muniyandy Elangovan, Evaluation of the Quality of Practical Teaching of Agricultural Higher Vocational Courses Based on BP Neural Network, Journal of Applied Sciences, January 2023, Vol. 13, PP 1-10.
- Kalyani B.J,D,Hemavathi U,Meena K,Deepapriya B.S, Syed Shareefunnisa, Smart cataract detection system with bidirectional LSTM, Journal of Soft Computing, FEBRUARY 2023, Vol. 27 PP 7525 – 7533.
- M. Shyamala Devi, S. Ravikumar, Deepanshu Singh, Ankit Kumar, Rohit Yadav, ThresholdedReLU Orthogonal Layer Weight Regularized Densely Connected Convolutional Networks CNN for Strawberry Disease Prediction, IEEEExplore, 19 April 2023, pp. 1-5.
- A Kavitha, Koppala Guravaiah, R Leela Velusamy, S Suseela, Dhilip Kumar, DR-NAP: Data reduction strategy using neural adaptation phenomenon in wireless sensor networks, Wiley, International Journal of Communication System, May 2023, Vol. 36, pp 1-20.
- Prema, K. , Visumathi, J. Parallel Mirrors Based Marine Predator Optimization Algorithm with Deep Learning Model for Quality and Shelf-Life Prediction of Shrimp, International Journal on Recent and Innovation Trends in Computing and Communication, April 2023, Vol. 11, pp 262-271.
- Manikandan N K, Kavitha.M, A content recommendation system for e-learning using enhanced Harris Hawks Optimization, Cuckoo search and DSSM, Journal of Intelligent and Fuzzy System, June 2023, Vol. 44, pp 7305-7318.
- Bhuvanya R, Kavitha M. Image Clustering and Feature Extraction by Utilizing an Improvised Unsupervised Learning Approach, International Journal of Cybernetics and Information Technologies, June 2023, Vol. 23, pp 3-19

# RESEARCH / PATENT / BOOK & BOOK CHAPTER PUBLICATIONS

## Patents

S.No	Faculty Name	Title	IPR Filed Date	Date (Published/Granted/Awarded)
1	Dr. Chidambaranathan C M	Artificial Intelligence and IOT Based Smart House for activity Recognition	Feb 18, 2023	Mar 17, 2023
2	Dr M Sankar	Milk Adulteration Monitoring Device	Jan 11, 2023	Mar 20, 2023
3	Dr M Sankar	Sun Tracking Solar Panel	Jan 11, 2023	Mar 20, 2023
4	Dr M Sankar	Wearable Medical Monitoring Device	Jan 11, 2023	Mar 20, 2023
5	Dr M Sankar	Street Light	Jan 11, 2023	Mar 16, 2023
6	Dr.P.J.Beslin Pajila	IOT Enabled Energy Efficient Advanced 6g Communication Network System 6g Communication Network System	Mar 27, 2023	Jun 27, 2023
7	Dr.N.K.Senthil Kumar	Design system of IoT driven for Defining a Pattern of Drivers Mobile Phone Usage While Driving	Apr 20, 2023	May 5, 2023
8	Dr Arun Kumar M S	Walking stick for visually impaired with altering unit	May 27, 2023	Jun 6, 2023
9	Dr. Angeline Lydia	Obstacle detection system	Apr 17, 2023	May 19, 2023

# RESEARCH / PATENT / BOOK & BOOK CHAPTER PUBLICATIONS

## Book & Book Chapters

S.No	Faculty Name	Book / Book Chapter	Title of the Book/ Chapter	Publisher Name	Month of Publication
1	Dr.M.A. Mukunthan	Book	Database Management System	Shanlax	Jan 1, 2023
2	Dr.P.S.Ramesh	Book	Blockchain Technologies Applications And Cryptocurrencies	Book Rivers	Mar 1, 2023
3	Mr.Muthukrishnan	Book Chapter	A secure quantum technology for smart cities using Travelling Salesman Problem (TSP): Application perspectives	IGI Global Publisher	Mar 1, 2023
4	Dr. M. Shyamala Devi	Book Chapter	Cognitive Science and Technology. Springer	Springer	Jan 1, 2023
5	Dr. M. Shyamala Devi	Book Chapter	System Design for Epidemics Using Machine Learning and Deep Learning, Signals and Communication Technology	Springer	Feb 1, 2023
6	Dr. M. Shyamala Devi	Book Chapter	Lecture Notes in Networks and Systems	Springer	Feb 1, 2023
7	Dr. M. Shyamala Devi	Book Chapter	A Novel 18-Convolutional Layered Deep U-Net Architecture for COVID-19 Infection Diagnosis Through Object Detection on Lung CT Scan Segmentation	Springer	Feb 1, 2023

# RESEARCH / PATENT / BOOK & BOOK CHAPTER PUBLICATIONS

S.No	Faculty Name	Book / Book Chapter	Title of the Book/Chapter	Publisher Name	Month of Publication
8	Dr. M. Shyamala Devi	Book Chapter	Lecture Notes in Networks and Systems/ Efficient Packet Flow Path Allocation Using Node Proclivity Tracing Algorithm	Springer	Mar 1, 2023
9	Dr. M. Shyamala Devi	Book Chapter	Lecture Notes in Networks and Systems/ Feature Over Exemplification-Based Classification for Revelation of Hypothyroid	Springer	Mar 1, 2023
10	Dr. M. Shyamala Devi	Book Chapter	Lecture Notes in Networks and Systems / Feature Reduced Anova Element Oversampling Elucidation Based Categorisation for Hepatitis C Virus Prognostication	Springer	Mar 1, 2023
11	Dr.S.Jagan	Book	MACHINE LEARNING ALGORITHMS AND APPLICATIONS	Springer	Jan 1, 2023
12	Dr.V.Dhilipkumar	Book	System Design for Epidemics Using Machine Learning and Deep Learning	Springer	Feb 1, 2023
13	Dr.V.Dhilipkumar	Book Chapter	Deep Convolutional Generative Adversarial Network for Metastatic Tissue Diagnosis in Lymph Node Section	Springer	Feb 1, 2023
14	Dr.P.S.Ramesh	Book Chapter	A novel model for IoT blockchain assurance-based compliance to COVID quarantine	System Design for Epidemics Using Machine Learning and Deep Learning	Feb 1, 2023
15	Dr.P.S.Ramesh	Book	Blockchain Technologies Applications And Cryptocurrencies	Book Rivers	Mar 1, 2023
16	Dr.S.Vinoth Kumar	Book	Big Data Technologies	Evincepub Publishing	APRIL
17	N. R. Raalakshmil	Book Chapter	Blockchain-based big data platforms for sustainable smart cities	Elsevier	May

## EDITOR IN CHIEF

**Dr. V. Srinivasa Rao**  
*Dean - School of Computing*

## MANAGING EDITORS



**Dr. M. S. Muralidhar**  
*HoD - CSE*



**Mr. Manivannan D**  
*Assistant Professor - CSE*



**Mr. Siva Ramalingam**  
*Assistant Professor - CSE*

## STUDENTS



**AZFER MIRZA**  
VTU21504



**ASHWIN SIVAKUMAR**  
VTU22633



**ANOOP SACHIN**  
VTU23909

Published By,  
Department of Computer Science and Engineering  
School of Computing