# SRM VALLIAMMAI ENGINEERING COLLEGE
## (An Autonomous Institution)
### SRM Nagar Kattankulathur – 603203.

## DEPARTMENT OF INFORMATION TECHNOLOGY
## Staff Activities

## FUND RECEIVED  (EXTERNAL &INTERNAL)

**AICTE AQIS 2020-21 SCHEME**

| Scheme | Name of PI and Co-PI | Conducted |
|---|---|---|
| STTP- Short Term Training Programme | Dr. B.Chidambararajan<br>Dr. A.R.Revathi | Phase – I   26.10.2020 to 31.10.2020<br>Phase – II   16.11.2020 to 21.11.2020<br>Phase – III  23.11.2020 to 28.11.2020<br>Phase – IV  07.12.2020 to  12.12.2020 |

**SRM VEC FUNDED SCHEME**

| Title | Name of the Student | Name of the Supervisor | Year | Grant |
|---|---|---|---|---|
| An  Innovative  approach  and  automatic system of preventing the edifice ruin | Rajalakshmi. P<br>Shwettha.M | Dr.A.R.Revathi | 2020-2021 | 4000 |

# PATENT

| S. No. | ACY | Faculty Name | Date | Status | Topic | Organizer |
|---|---|---|---|---|---|---|
| 1 | 2021-2022 | Dr.A.R.Revathi, Asso.Prof | July 2021 | Patent Published | A System of Computer Vision and Machine learning for optical character Recognition-Published on 16/7/2021,Application no:202141031333 A | Official journal of the patent office, The patent office journal No.29/2021 |
| 2 | | Dr.S.Narayanan, *A.P* | July 2021 | Patent Published | Multi Sensory Input Data Exchange by Virtual Reality Over 5G-Publication Date : 16/07/2021. Application No: 202141030897 | Indian Patent |
| 3 | | | July 2021 | Patent Published | Dynamic Real Time Protocol for Media Streaming in IOT Devices -Publication Date : 16/07/2021. Application No: 202141029586 | Indian Patent |
| 4 | | Dr.S.Sekar *A.P* | July 2021 | Patent Published | Multi Sensory Input Data Exchange by Virtual Reality Over 5G-Publication Date : 16/07/2021. Application No: 202141030897 | Indian Patent |
| 5 | | Dr.D.Sridevi,A.P | July 2021 | Patent Published | A System of Computer Vision and Machine learning for optical character Recognition-Published on 16/7/2021,Application no:202141031333 A | Official journal of the patent office, The patent office journal No.29/2021 |
| 6 | | Mr.R. Sankara Narayanan,A.P | July 2021 | Patent Published | Multi Sensory Input Data Exchange by Virtual Reality Over 5G-Publication Date : 16/07/2021. Application No: 202141030897 | Indian Patent |
| 7 | 2020-2021 | Dr.A.R.Revathi, Asso.Prof | October 2020 | Patent Published | AI Based control adaptive automation system-Publication Date : 16/10/2020 Application No.202041044014 A | Official journal of the patent office, The patent office journal No.42/2020 |
| | | | July 2021 | Patent Published | A System of Computer Vision and Machine learning for optical character Recognition-Published on 16/7/2021,Application no:202141031333 A | Official journal of the patent office, The patent office journal No.29/2021 |
| 8 | | Dr.S.Ravikumar, A.P(Sel.G) | June 2020 | Patent Published | Wristwatch Based Health Monitoring System-Publication Date : 05/06/2020. Application No: 202041012393 | Filed Indian Patent |

| S. No. | ACY | Faculty Name | Date | Status | Topic | Organizer |
|--------|-----|-------------|------|--------|-------|-----------|
| 9 | | Dr.S.Ravikumar, A.P(Sel.G) | March 2021 | Patent Granted | IOT based Virtual Students Monitoring System by Using TF Plus Mini Lidar Sensor-Granted on 27.03.2021,Application No:2021100210 | Australian Innovation Patent |
| 10 | | Dr.D.Sridevi,A.P | July 2021 | Patent Published | A System of Computer Vision and Machine learning for optical character Recognition-Published on 16/7/2021,Application no:202141031333 A | Official journal of the patent office, The patent office journal No.29/2021 |

## BOOK CHAPTER

| S. No. | ACY | Faculty Name | Date | Name of the Event | Topic | Organizer |
|--------|-----|-------------|------|-------------------|-------|-----------|
| 1 | 2021-2022 | Mr.K.Elaiyaraja, A.P | Nov 2021 | Book Chapter | Enhanced Effective Generative Adversarial Networks Based LRSD and SP Learned Dictionaries with Amplifying CS | Machine Learning and IoT for Intelligent Systems and Smart Applications, Taylor and Francis Series |
| 2 | | Dr.D.Sridevi,A.P | July 2021 | Book Chapter | Impact of AI and Machine Learning in E-Commerce Business Management | Academic Province Book Division,Volume 1,Issue 1,ISBN No:978-81-948555-9-0 |
| 3 | | Ms.S.Sandhya,A.P | Nov 2021 | Book Chapter | An Automated Hybrid Transfer Learning System for Detection and Segmentation of Tumor in MRI Brain Images with UNet and VGG-19 Network | Machine Learning and IoT for Intelligent Systems and Smart Applications, Taylor and Francis Series |
| 4 | 2020-2021 | Dr.A.R.Revathi *Asso.Prof* | November 2020 | Book Chapter | Exploration of Cough recognition Technologies Grounded on Sensors and Artificial Intelligence | Springer |
| 5 | | Dr.A.R.Revathi *Asso.Prof* | January 2021 | Book Chapter | "Convergence of AI,ML and DL for Enabling Smart Intelligence: Artificial Intelligence,Machine Learning, Deep Learning, Internet of Things" | A Volume in the Advances in Web Technologies and Engineering(AWTE) Book Series |
| 6 | | Dr.A.R.Revathi *Asso.Prof* | January 2021 | Book Chapter | "Perspectives of Machine Learning and Deep Learning in Internet of Things and Cloud:Artificial Intelligence –Based Internet of Things Systems" | A Volume in the Advances in Web Technologies and Engineering(AWTE) Book Series |

| S. No. | ACY | Faculty Name | Date | Name of the Event | Topic | Organizer |
|---|---|---|---|---|---|---|
| 7 | | Mr.K.Elaiyaraja *A.P* | July 2020 | Springer Book Chapter | Intelligent Big Data Domain for R-fMRI Big Data Preprocessing- An Optimized Approach. | Advances in Intelligent Systems and Computing book series AISC |
| 8 | | Ms.S.Sandhya *A.P* | July 2020 | Springer Book Chapter | FCM-Based Segmentation and Neural Network Classification of Tumor in Brain MRI Images. | Advances in Intelligent Systems and Computing book series AISC |

## BOOK

| S.No | ACY | Faculty Name | Topic |
|---|---|---|---|
| 1 | | Dr.A.R.Revathi | Published a book titled 'IT8201 Information Technology Essentials' |
| 2 | 2017-2018 | Dr.S.Narayanan | Published a book titled 'IT8201 Information Technology Essentials' |
| 3 | | Mr.E.Prabhakarraj | Published a book titled 'IT8201 Information Technology Essentials' |

## PUBLICATION

| S. No. | ACY | Faculty Name | Date | Name of the event | Topic | Organizer |
|---|---|---|---|---|---|---|
| 1 | | Dr.A.R.Revathi, Asso.Prof | Oct-Dec 2021 | Journal | A Review on the Detection of Skull by Forensic Analysis | Indian Journal of Forensic Medicine &Technology,Vol 15 No4 DOI Number:10.37506/ijfint.vl5i4.16919 (Scopus) |
| 2 | 2021-2022 | Dr.S.Ravikumar, *A.P* | Jan 2022 | Journal | Random Forest-Based Oppositional Henry Gas Solubility Optimization Model for Service Attack Improvement in WSN | The Institution of Engineers (series B) –Springer(Scopus and UGI carelist) |
| 3 | | Dr.S.Narayanan, *A.P* | Jan 2022 | Journal | A data transmission approach with energy reduction based on virtual machine migration technique in cloud computing | International Journal of Engineering Systems Modelling and Simulation (IJESMS) (DOI: 10.1504/IJESMS.2021.10042967) |

| S. No. | ACY | Faculty Name | Date | Name of the event | Topic | Organizer |
|---|---|---|---|---|---|---|
| 4 | | | Jan 2022 | Journal | Data protection and threat prediction in industrial IoT cloud environment | The Institution of Engineers (series B) –Springer(Scopus and UGI carelist |
| 5 | | Dr.S.Sekar *A.P* | Jan 2022 | Journal | Random Forest-Based Oppositional Henry Gas Solubility Optimization Model for Service Attack Improvement in WSN | The Institution of Engineers (series B) –Springer(Scopus and UGI carelist) |
| 6 | | | July 2020 | Journal | Designing an IoT based autonomous vehicle meant for detecting speed bumps and lanes on roads | Journal of Ambient Intelligence and Humanized Computing |
| 7 | | | August 2020 | Journal | IoT based home monitoring system with secure data storage by keccak-Chaotic sequence in cloud server | Journal of Ambient Intelligence and Humanized Computing. |
| 8 | | | October 2020 | Journal publication | IOT and context –aware learning-based optimal neural network model for real –time health monitoring | Transactions on Emerging Telecommunications Technologies ,John Wiley and Sons Limited. |
| 9 | | Dr.S.Ravikumar, *A.P* | January 2021 | Journal | IoT based autonomous car driver scheme based on ANFIS and black widow Optimization | Journal of Ambient Intelligence and Humanized Computing |
| 10 | | | March 2021 | Journal | Software Security Requirement Engineering for Risk and Compliance Management | International Journal of Innovative Technology and Exploring Engineering (IJITEE) |
| 11 | 2020-2021 | | April 2021 | International Journal | A New Adaptive Hybrid Mutation Black Widow Clustering Based Data Partitioning for Big Data Analysis | Wireless Personal Communication,Springer. |
| 12 | | | May 2021 | International Journal | CNN-OHGS:CNN-Oppositional based Henry gas solubility optimization model for autonomous vehicle control system | International Journal of Field Robotics. |
| 13 | | Dr.S.Narayanan *A.P* Ms.R.Saranya *A.P* | Jan-March 2021 | International Journal | Edge Computing: Network and Security Challenges | International Journal of Scientific Research and Reviews |
| 14 | | Mr.K.Elaiyaraja, *A.P* | March 2021 | Journal | A Novel Variable Weight Grey Wolf Optimization Algorithm in Medical Image Fusion | Journal of Medical Imaging and Health Informatics |
| 15 | | Ms.R.Shanthi, *A.P* | Nov-Dec 2020 | Journal | A Smart Alternative Tool to Measure Intraocular Pressure during Coronavirus Pandemic | Sambodhi(UGC Care Journal) ISSN: 2249-6661 Vol-43, No.-03 (II) November-December (2020) |

| S. No. | ACY | Faculty Name | Date | Name of the event | Topic | Organizer |
|---|---|---|---|---|---|---|
| 16 | | | April 2021 | International Journal | Portraying the Impact of dry Spell on Farmer Harvest Generation in India Utilizing Affiliation Standard Mining. | International Research Journal of Engineering and Technology(IRJET) |

## Staff Publication article

| S. No. | ACY | Faculty Name | Date | Status | Topic | Organizer |
|---|---|---|---|---|---|---|
| 1 | 2021-2022 | Dr.A.R.Revathi, Asso.Prof | Dec 2021 | Article | Fuzzy Based Reliable Load Balanced Routing Approach for Ad hoc Sensor Networks | Tech Science Press, Computer Systems Science & Engineering, DOI:10.32604/csse.2022.021049 (Scopus) |
| 2 | 2020-2021 | Dr.A.R.Revathi, *Asso.Prof* | June 2020 | Article Publication | Quantum Computing : The Universal Computer | CSI Communication –Computer Society of India |
| 3 | | | July 2020 | Article Publication | Virtual Reality Role in the World | CSI Communication –Computer Society of IndiaISSN: 0970-64-7x Vol. No. 44, Issue No.03 |
| 4 | | | August 2020 | Article Publication | Open Source Software :Freedom to use | CSI Communication –Computer Society of India ,Cover Story |
| 5 | | | September 2020 | Article Publication | Hurried Look of Digital Twin | CSI Communication –Computer Society of India ,Cover Story |
| 6 | | | October 2020 | Article Publication | A complete conspectus of Robotics and Automation | CSI Communication –Computer Society of India ,Cover Story |
| 7 | | | November 2020 | Article Publication | Deep Learning: A Neural Network of Human Being | CSI Communication –Computer Society of India ,Cover Story |
| 8 | | | December 2020 | Article Publication | The future of Universal: Industry 4.0 | CSI Communication –Computer Society of India ,Cover Story |

| S. No. | ACY | Faculty Name | Date | Status | Topic | Organizer |
|---|---|---|---|---|---|---|
| 9 | | Mr.K.Elaiyaraja, *A.P* | November 2020 | Article Publication | An application of deep learning in Healthcare | CSI Communication –Computer Society of India |
| 10 | | Ms.S.Sandhya, *A.P* | November 2020 | Article Publication | An application of deep learning in Healthcare | CSI Communication –Computer Society of India |
| 11 | 2017-2018 | Dr.A.R.Revathi, Asso.Prof | Oct 2018 | Article Publication | Digital Revolution in Speech and Language Processing for Efficient Communication and Sustaining Knowledge Diversity | CSI Communication –Computer Society of India |
| 12 | | | April 2018 | Article Publication | Sensors for Internet of Everything | CSI Communication –Computer Society of India |

## Staff Publication paper presentation

| S. No. | ACY | Faculty Name | Date | Status | Topic | Organizer |
|---|---|---|---|---|---|---|
| 1 | 2021-2022 | Mr.K.Elaiyaraja, A.P | 20 & 21 August 2021 | Paper Presentation | Deep Learning Based BDMSF Resource Sharing - A Systematic Approach for Analysis and Visualization | Karunya Institute of Technology and Sciences |
| 2 | | Ms.S.Sandhya,A.P | 20 & 21 August 2021 | Paper Presentation | Deep Learning Based BDMSF Resource Sharing - A Systematic Approach for Analysis and Visualization | Karunya Institute of Technology and Sciences |
| 3 | 2020-2021 | Dr.A.R.Revathi, *Asso.Prof* | 6th and 7th May 2021 | International Conference | A Study on IoT and CoT Based wearable Healthcare | International Conference on Advanced Computing and Communication Technology (ICACCT-2021) organized by Dept.of IT, Francis Xavier College,Tirunelveli. |

| S. No. | ACY | Faculty Name | Date | Status | Topic | Organizer |
|---|---|---|---|---|---|---|
| 4 | 2019-2020 | Ms.S.Shenbagavadivu,A.P | 06.09.19 | Conference | "Significance of Data Fusion Algorithms in IoT Environment - A Review" | SRM Valliammai Engineering College |
| 5 | | Mr.K.Elaiyaraja | 06.12.19 & 07.12.19 | International Conference | "Intelligent Big Data Domain for R-fmri Big Data Preprocessing – An Optimized Approach" | Karunya Institute of Technology & Sciences, Coimbatore |
| 6 | | | 06.09.19 | Conference | "Distorted Image Registration for Image Fusion – A Literature Review" | SRM Valliammai Engineering College |
| 7 | | Ms.S.Sandhya | 06.12.19 & 07.12.19 | International Conference | "FCM Based Segmentation and Nural Network Classification of Tumor in Brain MRI Images" | Karunya Institute of Technology & Sciences, Coimbatore |
| 8 | | | 06.09.19 | Conference | "Image Fusion Techniques for the hybrid Multimodal Medical Images – A Literature Review" | SRM Valliammai Engineering College |
| 9 | 2018-2019 | Mr.K.Elaiyaraja | 27.7.18 & 28.7.18 | Conference | "An Amplifying Image Approach :Non-Iterative Multi Coverage Image Fusion" | Karunya Institute of Technology & Sciences, Coimbatore |
| 10 | | Ms.S.Sandhya | 27.7.18 & 28.7.18 | Conference | "A Hybrid Fusion of Multimodal Medical Images for the Enhancement of Visual Quality in Medical Diagnosis" | Karunya Institute of Technology & Sciences, Coimbatore |

# RECOGNITIONS

| S. No. | ACY | Faculty Name | Name of the Committee |
|---|---|---|---|
| 1 | 2021-2022 | Dr.A.R.Revathi,Asso.Prof | Elsevier reviewer since July 2021 |
| 2 | | Dr.S.Ravikumar,A.P | Recognized as Supervisor (Ref.No.: 3840022) for guiding Ph.D. scholars of Anna University under the faculty of Information and Communication Engineering order dated 29.10.2021 |
| 3 | | Ms.S.Shenbagavadivu *A.P* | Computational Thinking(Translating in Tamil Language)-NPTEL |
| 4 | | Mr.R.Sankaranarayanan,A.P | Achieved Certificate of Excellence Rank S/Lt, Unit 4 (TN) Naval Tech dated 03.12.2021 awarded by Group Commander, NCC Group HQs, Madras 'B'. |
| 5 | | Ms.S.Sandhya,A.P | Achieved Best Paper Award for the paper presented titled "A Hybrid Guided Filtering and Transform Based Sparse Representation Framework for Fusion of Multimodal Medical Images" in the Virtual International Conference on Futuristic Communication and Network Technologies (VICFCNT 2021),School of Electronics Engineering, Vellore Institute of Technology, Chennai on December 10-11, 2021. |
| 6 | 2020-2021 | Dr. A. R. Revathi Associate Professor | Editorial Board member, Journal of Advanced Engineering Research (JAER) Online from 2018. |
| | | | Organizing Committee, Institute For Engineering Research and Publication(IFERP) from 2016. |
| | | | Reviewer member for " IGI Global Journal " from November 2019. |
| 7 | | Dr. S. Ravikumar,AP | Nomination Committee Chairman of CSI Kancheepuram chapter from 2020. |
| | | | Reviewer Member in International Journal of Ambient Intelligence and Humanized Computing (Anna University Referred Journal), 2020 |
| 8 | | Mr. K. Elaiyaraja. AP | Managing Committee Member of CSI Kancheepuram Chapter from 2020. |
| 9 | | Mrs. S. Sandhya, AP | Managing Committee Member of CSI Kancheepuram Chapter from 2020. |
| 10 | | Mrs.S.Shenbhagavadivu,AP | Nominated as Tamil Translator in NPTEL and received certificate for translating the course "COMPUTER VISION" in Tamil Language -May 2021. |
| 11 | 2017-2018 | Dr.A.R.Revathi,Asso.Prof | Organizing committee member of IFERP in National Level |

# RESOURCE PERSON–EXTERNAL

| S. No. | ACY | Faculty Name | Date | Category | Topic | Organizer |
|---|---|---|---|---|---|---|
| 1 | 2020-2021 | Dr.A.R.Revathi, *Asso.Prof* | 14$^{th}$ September 2020 | Online Short term Training Programme | Image Denoising | Dept.of Electronics and Communication Engineering, V.S.B. Engineering College, Karur. |
| 2 | | | 5$^{th}$ October 2020 | Online Short term Training Programme | STTP title: Medical Image Analysis Session Topic: Image Denoising | Dept.of Electronics and Communication Engineering, V.S.B. Engineering College, Karur.(AICTE Sponsored) |
| 3 | | | 2$^{nd}$ November 2020 | Online STTP | STTP title: Medical Image Analysis Session Topic: Image Denoising | Dept.of Electronics and Communication Engineering, V.S.B. Engineering College, Karur.(AICTE Sponsored) |
| 4 | | | 7$^{th}$ June 2021 and 11$^{th}$ June 2021 | FDTP | Topic 1:Decision Tree Learning Topic 2:Learning Set of Rules –Sequential Covering Algorithm Topic 3:Learning Rule Set –First Order Rules –Sets of First Order Rules | 6 day FDTP on Machine Learning Techniques[CS8082] Sri Sai Ram Engineering College |
| 5 | | Ms.S.Shenbagavadivu, *A.P* | 27$^{th}$ March 2021 | Workshop | Internet of Things | St.Joseph's Institute of Technology, In association with CSI |
| 6 | 2019-2020 | Mr.R.Sankara Narayanan, A.P | JAN 2020 | Guest Lecture | "Sonar and Radar" in CATC19, RDC, Marina Training Camp | SRR Jeppiar Engineering College. |

# RESOURCE PERSON-INTERNAL

| S. No. | ACY | Faculty Name | Date | Category | Topic | Organizer |
|---|---|---|---|---|---|---|
| 1. | 2020-2021 | Dr.A.R.Revathi, *Asso.Prof* | 26$^{th}$ May 2021 | Online FDP | Overview of Data Analysis | SRM Valliammai Engineering College |

| S. No. | ACY | Faculty Name | Date | Category | Topic | Organizer |
|---|---|---|---|---|---|---|
| 2. | | | 22nd December 2020 | FDP | **Machine Learning** in theFDP titled"Compiler optimization with computational intelligence & cyber security" | SRM Valliammai Engineering College |
| 3. | | | 02.11.2020 | Online STTP | STTP title: Medical Image Analysis Session Topic: Image Denoising | Dept.of Electronics and Communication Engineering, V.S.B. Engineering College, Karur.(AICTE Sponsored) |
| 4. | | | 19.11.2020 | Online STTP | Research focus on IoT | Dept. of IT ,SRM Valliammai Engineering College.(AICTE Sponsored) |
| 5. | | | 25.11.2020 | Online STTP | IoT Insights | Dept. of IT,SRM Valliammai Engineering College.(AICTE Sponsored) |
| 6. | | | **31.10.2020** | Online Short term Training Programme | STTP title : Internet of Things and Its Applications Session Topic: Research Focus on IoT | Dept of Information Technology,SRM Valliammai Engineering College, Kattankulathur(AICTE Sponsored) |
| 7. | | Dr.S.Ravikumar ,A.P | 28th May 2021& 29th May 2021 | Online FDP | Cloud Architecture, Services and Storage & Cloud Technologies and Advancement. | SRM Valliammai Engineering College |
| 8. | | | 21st December 2020 | FDP | **Introduction to Compilers**in theFDP titled "compiler optimization with computational intelligence & cyber security" | SRM Valliammai Engineering College |
| 9. | | | 21.11.2020 | Online STTP | IoT and its uses in different industry | Dept. of IT ,SRM Valliammai Engineering College.(AICTE Sponsored) |
| 10. | | Dr.S.Narayanan, A.P | 27th May 2021& 28th May 2021 | Online FDP | Cloud Enabling Technologies & Resource management | SRM Valliammai Engineering College |

| S. No. | ACY | Faculty Name | Date | Category | Topic | Organizer |
|---|---|---|---|---|---|---|
| 11. | | | 29th December 2020 | FDP | **Introduction to Computer Forensics** in the FDP titled "Compiler optimization with computational intelligence & cyber security" | SRM Valliammai Engineering College |
| 12. | | | 25.11.2020 | Online STTP | IoT and Edge Computing | Dept. of IT ,SRM Valliammai Engineering College.(AICTE Sponsored) |
| 13. | | Dr.S.Jeyalakshmi, *A.P* | 24th May 2021& 25th May 2021 | Online FDP | Linear Data Structures & Searching ,Sorting and Hashing Techniques | SRM Valliammai Engineering College |
| 14. | | | 23rd December 2020 | FDP | **Parsers: Overview** in the FDP titled "Compiler optimization with computational intelligence & cyber security" | SRM Valliammai Engineering College |
| 15. | | Mr.K.Elaiyaraja, *A.P* | 24th May 2021 | Online FDP | Non-Linear Data Structures | SRM Valliammai Engineering College |
| 16. | | | 14th December 2020 | SDP | **Video Editing** in the SDP Titled "Hands on Training-Photoshop" | SRM Valliammai Engineering College. |
| 17. | | Ms.S.Shenbagavadivu *A.P* | 26th May 2021& 27th May 2021 | Online FDP | Data Mining ,Association Rule Mining and Classification &Apriori algorithm-Hands On-Google Colab | SRM Valliammai Engineering College |
| 18. | | | **30.10.2020** | Online Short term Training Programme | STTP title : Internet of Things and Its Applications Session Topic: Hands on Training Data analytic on Sensor | Dept of Information Technology,SRM Valliammai Engineering College, Kattankulathur(AICTE Sponsored) |
| 19. | | Mr.R.Sankaranarayanan, *A.P* | 25th May 2021 | Online FDP | Implementation of Data Structures using Python | SRM Valliammai Engineering College |

| S. No. | ACY | Faculty Name | Date | Category | Topic | Organizer |
|---|---|---|---|---|---|---|
| 20. | | | 14$^{th}$ December 2020 | SDP | **Poster Design using Photoshop** in the SDP "Titled Hands on Training-Photoshop" | SRM Valliammai Engineering College. |
| 21. | | | 8$^{th}$ August 2020 | Webinar | Hacking and its Preventive Techniques (Hands on Session) | SRM VEC CSI STUDENT BRANCH |
| 22. | | | 21$^{st}$ May 2021 | SDP | System maintenance using Machine Learning Technique | SRM Valliammai Engineering College |
| 23. | | Mr.G.Vivekanandhan, *A.P* | 29$^{th}$ December 2020 | FDP | ***Cyber Forensics and its Techniques****in the* FDP titled**"Compiler optimization with computational intelligence & cyber security"** | SRM Valliammai Engineering College. |
| 24. | | | 8$^{th}$ August 2020 | Webinar | Hacking and its Preventive Techniques (Hands on Session) | SRM VEC CSI STUDENT BRANCH |
| 25. | 2019-2020 | Dr.A.R.Revathi | 02.11.19 to 08.11.19 | FDP | Database to Forensic (D2F) | Dept. of IT SRM VEC |
| 26. | | Dr.S.Narayanan | 02.11.19 to 08.11.19 | FDP | Database to Forensic (D2F) | Dept. of IT SRM VEC |
| 27. | | Dr.S.Jeyalakshmi | 02.11.19 to 08.11.19 | FDP | Database to Forensic (D2F) | Dept. of IT SRM VEC |
| 28. | | Ms.R.Thenmozhi | 02.11.19 to 08.11.19 | FDP | Database to Forensic (D2F) | Dept. of IT SRM VEC |

| S. No. | ACY | Faculty Name | Date | Category | Topic | Organizer |
|---|---|---|---|---|---|---|
| 29. | | Ms.S.Shenbagavadivu | 02.11.19 to 08.11.19 | FDP | Database to Forensic (D2F) | Dept. of IT SRM VEC |
| 30. | | Ms.R.Saranya | 02.11.19 to 08.11.19 | FDP | Database to Forensic (D2F) | Dept. of IT SRM VEC |
| 31. | | Mr.R.Sankara Narayanan | 02.11.19 to 08.11.19 | FDP | Database to Forensic (D2F) | Dept. of IT SRM VEC |

# PROPOSAL

| S.No. | ACY | Faculty Name | Title |
|---|---|---|---|
| 1 | | Dr.S.Narayanan,AP | Submitted a proposal titled as "Deep Climate Change Projection:A Deep Learning Based Spatial Analysis Model to Forecast regional Climate Conditions" to SERB online |
| 2 | 2020-2021 | Dr. S.Ravikumar,AP | Submitted a proposal titled as" Derma scan an Early Diagnosis of Malignant Skin Tumour using Deep Learning Techniques" |
| 3 | | Project Investigator: Dr. A. R. Revathi,Asso.Prof Project Organizer Dr. S.Ravikumar,AP | Submitted a proposal titled as" Modernization of Collaborative ArtificialIntelligence Technology towards Cloud and Data Science in IoT (AITCDSI) laboratory " to AICTE MODERNISATION AND REMOVAL OF OBSOLENSCENCE(MODROBS). |

# CERTIFICATION-ATAL

| S. No. | ACY | Faculty Name | Date | Name of the event | Topic | Organizer |
|---|---|---|---|---|---|---|
| 1 | 2020-2021 | Dr.A.R.Revathi, *Asso.Prof* | 19th October 2020 to 23rd October 2020 | Online FDP ATAL | Internet of Things(IoT) | Thiyagarajar College of Engineering ,Madurai |
| | | | 1st February 2021 to 5th February 2021 | Online FDP ATAL | Data Sciences | Dr.Ambedkar Institute of Technology |
| | | | 21st June 2021 to 25th June 2021 | Online FDP ATAL | Data Science for Healthcare | Vivekanandha College of Engineering for Women |
| 2 | | Dr.S.Ravikumar, *A.P* | 19th Oct 2020 to 23rd October 2020 | Online FDP ATAL | Computer Science & Biology | SRM Institute of Science and Technology |
| 3 | | Dr.S.Jeyalakshmi , *A.P* | 15th June 2021 to 19th June 2021 | Online FDP ATAL | Innovation in Telemedicine in Rural India enabled by advancements in Artificial Intelligence, Medical Devices and Internet of Things. | R.M.K engineering College |
| | | | 21st June 2021 to 25th June 2021 | Online FDP ATAL | Quantum Computing | Government College of Engineering |
| 4 | | Dr.S.Sekar *A.P* | 21st June 2021 to 25th June 2021 | Online FDP ATAL | Quantum Computing | AICTE Training and Learning(ATAL)Academy, Government College of Engineering |

| S. No. | ACY | Faculty Name | Date | Name of the event | Topic | Organizer |
|---|---|---|---|---|---|---|
| 5 | | Ms.R.Lakshmi, *A.P* | 21st June 2021 to 25th June 2021 | Online FDP ATAL | Quantum Computing | AICTE Training and Learning(ATAL)Academy, Government College of Engineering |
| 6 | | Mr.K.Elaiyaraja, *A.P* | 21st June 2021 to 25th June 2021 | Online FDP ATAL | Quantum Computing | AICTE Training and Learning(ATAL)Academy, Government College of Engineering |
| 7 | | Ms.S.Shenbagava divu *A.P* | June 1st 2021 to 5th June 2021 | Online FDP ATAL | Internet of Things | National Institute of Technology Hamirpur Himachal Pradesh, |
| | | | 7th June 2021 to 11th June 2021 | Online FDP ATAL | Combating Cancer: Role of ML techniques in prevention and treatments" | Kalaignarkarunanidhi Institute of Technology,Coimbatore |
| 8 | | Mr.M.Kavinkum ar, *A.P* | 21st June 2021 to 25th June 2021 | Online FDP ATAL | Quantum Computing | Government College of Engineering |
| 9 | | Ms.K.Mohanamb al, *A.P* | 14th June 2021 to 18th June 2021 | Online FDP ATAL | Actuarial Science Applications | Amal Jyothi College of Engineering |
| | | | 21st June 2021 to 25th June 2021 | Online FDP ATAL | System Engineering | Maulana Azad National Institute of Technology Bhopal |
| 10 | | Ms.R.Shanthi, *A.P* | 7th June 2021 to 11th June 2021 | Online FDP ATAL | Combating Cancer: Role of ML techniques in prevention and treatments" | Kalaignarkarunanidhi Institute of Technology,Coimbatore |
| | | | 15th June 2021 to 19th June 2021 | Online FDP ATAL | Innovation in Telemedicine in Rural India enabled by advancements in Artificial Intelligence, Medical Devices and Internet of Things. | R.M.K engineering College |
| | | | 21st June 2021 to 25th June 2021 | Online FDP ATAL | Ability and Inability of AI | Gandhi Institute for Technology(GIFT) |

| S. No. | ACY | Faculty Name | Date | Name of the event | Topic | Organizer |
|---|---|---|---|---|---|---|
| 11 | | Ms.S.Sandhya, *AP* | 21st June 2021 to 25th June 2021 | Online FDP ATAL | System Engineering | Maulana Azad National Institute of Technology Bhopal |
| 12 | | Mr.G.Vivekanandhan, *A.P* | 7th June 2021 to 11th June 2021 | Online FDP ATAL | Cyber Security for Internet of Things Cyber Security Thrust Areas | Indian Institute of Information Technology, Design and Manufacturing, Jabalpur |
| | | | 21st June 2021 to 25th June 2021 | Online FDP ATAL | Augmented Reality and Virtual Reality Augmented Reality (AR)/ Virtual Reality (VR) Thrust Areas | Gnanamani College of Technology |

# CERTIFICATION-NITTR

| S.No. | ACY | Faculty Name | Month | Organizer | Modules Completed |
|---|---|---|---|---|---|
| 1 | | Dr. A. R. Revathi,*Asso.Prof* | | | Module 1 |
| 2 | | Dr.S.Ravikumar,*A.P* | | | Module 1 and Module 2 |
| 3 | | Dr.S.Narayanan,A.P | | | Module 1 and Module 2 |
| 4 | | Dr.S.Jeyalakshmi,A.P | | | Module 1 |
| 5 | 2020-2021 | Ms.R.Thenmozhi,A.P | March 2021 | NITTR | Module 1 |
| 6 | | Dr. S. Sekar,A.P | | | Module 1 |
| 7 | | Ms.R.Lakshmi,A.P | | | Module 1 |
| 8 | | Ms. S. Shenbagavadivu,A.P | | | Module 1 |
| 9 | | Mr.K.Elaiyaraja,A.P | | | Module 1 |
| 10 | | Ms.K.Mohanambal,A.P | | | Module 1 |

| S.No. | ACY | Faculty Name | Month | Organizer | Modules Completed |
|---|---|---|---|---|---|
| 11 | | Mr.M.Kavinkumar,A.P | | | Module 1 |
| 12 | | Ms. R. Shanthi,A.P | | | Module 1 ,Module 2 and Module 3 |
| 13 | | Ms.R.Saranya,A.P | | | Module 1 |
| 14 | | Ms.S.Sandhya,A.P | | | Module 1 |
| 15 | | Mr.R. Sankaranarayanan,A.P | | | Module 1 |
| 16 | | Mr.G. Vivekanandan,A.P | | | Module 1 |

# CERTIFICATION-NPTEL

| S. No. | ACY | Faculty Name | Month and Duration | Organizer | Name of the Course | Remarks |
|---|---|---|---|---|---|---|
| 1. | | Dr.S.Narayanan, *A.P* | Jan –Apr 2020 (12 Weeks Duration) | NPTEL | Computer Networks and Internet Protocol | Successfully Completed |
| 2 | | | Jan –Apr 2020 (12 Weeks Duration) | NPTEL | Compiler Design | Successfully Completed |
| 3 | 2020-2021 | Ms.S.Shengabavadivu, *A.P* | Jan –Apr 2020 (12 Weeks Duration) | NPTEL | Cryptography and Network Security | Successfully Completed |
| 4 | | | Jan –Feb 2020 (4 Weeks Duration) | NPTEL | Introduction to Probability and Statistics | Successfully Completed |
| 5 | | Ms.R.Shanthi, *A.P* | Feb –Apr 2020 (8 Weeks Duration) | NPTEL | Data Mining | Successfully Completed |
| 6 | 2018-2019 | Ms. R. Meenakshi | November 2018 | NPTEL | Educational Leadership | Successfully Completed |

| S. No. | ACY | Faculty Name | Month and Duration | Organizer | Name of the Course | Remarks |
|---|---|---|---|---|---|---|
| 7 | | Ms. R. Meenakshi | November 2018 | NPTEL | Stress Management | Successfully Completed |
| 8 | | Mr. S. Ravikumar | November 2018 | NPTEL | Stress Management | Successfully Completed |
| 9 | | Ms. S. Jeyalakshmi | November 2018 | NPTEL | Introduction to Programming in C | Successfully Completed |
| 10 | | Mr. S. Sekar | November 2018 | NPTEL | Introduction to Programming in C | Successfully Completed |
| 11 | | Ms. R. Lakshmi | November 2018 | NPTEL | Introduction to Programming in C | Successfully Completed |
| 12 | | Ms.S.Shenbagavadivu | November 2018 | NPTEL | Programming, Data Structures and Algorithms Using Python | Successfully Completed |
| 13 | | Mr. K. Elaiyaraja | November 2018 | NPTEL | Introduction to Internet of Things | Successfully Completed |
| 14 | | Ms. K. Mohanambal | November 2018 | NPTEL | Introduction to Programming in C | Successfully Completed |
| 15 | | Mr. M. Kavinkumar | November 2018 | NPTEL | Introduction to Programming in C | Successfully Completed |
| 16 | | Ms. S. SANDHYA | November 2018 | NPTEL | Introduction to Internet of Things | Successfully Completed |
| 17 | | Ms.R.Saranya | April 2018 | NPTEL | Teaching and Learning in Engineering (TALE) | Successfully Completed |
| 18 | | Ms.R.Thenmozhi | April 2018 | NPTEL | Teaching and Learning in Engineering (TALE) | Successfully Completed |
| 19 | | Ms.R.Shanthi | April 2018 | NPTEL | Teaching and Learning in Engineering (TALE) | Successfully Completed |

# CERTIFICATION-OTHER

| S. No. | ACY | Faculty Name | Date | Name of the event | Topic | Organizer |
|---|---|---|---|---|---|---|
| 1. | 2020-2021 | Ms.S.Sandhya,AP | 22 march2021- 26 March 2021 | Online FDP | Inculcating universalHuman Values in Technical Education | All India Counsil for Technical Education(AICTE) |
| | | Ms.S.Sandhya,A.P | | | | |
| 2 | | Ms.S.Shenbagavadivu, *A.P* | January 2021 | | விக்கிமூலத்தில்கடற்கரையினிலேஎன்னும்நூல்முழுவதும்மேய்ப்புபார்த்ததற்காக பதக்கம்வழங்கப்பட்டது | |
| | | | April 2021 | Article | பொருட்களின்இணையம்(IoT) | களஞ்சியம்,Volume No.21, Issue No.1,April 2021,Anna University, Chennai. |