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| Name & Photo | <p>R.DEEPIKA</p>  |
| Designation: | ASSISTANT PROFESSOR GRADE - III |
| Qualification : | M.E(Ph.D) |
| Area of Specialisation : | COMPUTER SCIENCE AND ENGINEERING |
| Experience : | Teaching : UG: 12.10 Yrs |
| | Industry : NIL |
| No. of workshop / Conferences / FDP attended | 3/9/30 |
| Publication : | Journal National : 4 International : 16 |
| | Conference National : 6 International : 9 |
| Research Guidance : | NIL |
| Membership in Professional bodies: | <ul style="list-style-type: none"> ● Life Member, International Association of Engineers member, IAENG ● ISTE Membership ● One Year IEEE Membership ● Member in Institute for Engineering Research and Publication (IFERP) |

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| General : | <ul style="list-style-type: none"> • Acted as Class Coordinator(2012-2016),(2017-2021). • Acted as Symposium Coordinator. • Acted as Project & Mini-project Coordinator. • Certified in NPTEL courses. • Acting as Department Member in Innovation - Publication Team. • Acting as a ISO Staff achievement file Incharge. • Acting as a NBA Research and Publication File Incharge • Acting as a NAAC Criteria 6 and NBA Criteria 5 Incharge for Research and publication. |
| Achievements: | <input type="checkbox"/> Producing 95 to 100% results <input type="checkbox"/> Published paper in reputed International Journals. <input type="checkbox"/> Presented papers in various National and International Conferences. |

Professional Experience:

| Sl. No | College / Organization | Designation | Period | | Exp: (in Years & Month) |
|--|---|-------------------------|------------|------------|-------------------------|
| | | | From | To | |
| 1 | Kanchi Pallavan Engineering College, Kanchipuram. | Lecturer | 30.06.2008 | 04.09.2010 | 2 year 2 months |
| 2 | Sri Sai Ram Engineering College, Chennai. | Assistant Professor-III | 01.08.2012 | Till Date | 10 year 8 month |
| Total Year of Experience (Till March 2021) | | | | | 12 years 10 months |

BOOK CHAPTER:

1. Published a Book Chapter in Handbook of Management Analytics and Software Engineering, Chapter 22-Application of Digital Analytics to Create Business Value, ESN Publication, ISBN:978-81-950305-5-2 on 30th January 2021

PATENT DETAILS:

1) Filed and Published Indian patent on the innovation titled “**REALTIME DATA BASED HITECH CLASSROOM**” (Application No.202141001263 A) on 11/01/2021

2) Filed and Published Indian patent on the innovation titled “**APP VIVNA**” (Application No.20211008667 A) on 12.03.2021.

AWARD:

1. Received GMRAF Young Faculty Excellence Award on 13.03.2021.

APPRECIATION CERTIFICATE:

1) Received Appreciation certificate for TOP mentor in NPTEL. Sri Sairam Engineering College @ VRR Hall.

2) Acted as Session Chair & Reviewer in the Second National Conferences NCSICC'21 on Mar 24 2021 organized by CSE Dept, Sri Sai Ram Engineering College

3) Acted as a Reviewer for the IEEE Technically Sponsored First International Conference on Computational Science & Technology [ICCST 2022] held on 9th and 10th Nov 2022.

Committee Member:

1. Acted as a Advisory Board/ Committee Member in the Conference on IOT and Intelligent Apps, IOTIA, IFERP on

2. Acted as an Editorial Board member at MAT Journals for the Journals Journal of Research & Reviews: Machine Learning and Cloud Computing and Journal of Cyber Security in Computer System on 19th February, 2022.

3. Acted as a Scientific Committee Member in the International Conference on Emerging Electrical Systems and Control, Sethu Institute of Technology, on 06th -07th May, 2021.

4. Acted as a Scientific Committee Member in the 2nd International Virtual Conference on IOT and Intelligent Apps 2021, Institute for Engineering Research and Publication (IFERP), on 28th - 29th October, 2021.

PROPOSAL:

1. Submitted a proposal in TNSCSTC on the title “Bitcoin Alert System Using Bolt IOT” by the Students Keerthika R, Amrutha P for the academic year 2020 - 2021.

2. Submitted a proposal in TNSCSTC on the title “Counterfiet Currency Recognition” by the Students Saravanan K, Lokesh R for the academic year 2020 - 2021.

EVENT ORGANISED:

1. Acted as a Coordinator for a “Webinar on Coding Training in C Programming” held on 04.02.2021 - 06.02.2021 @ 10.30 AM to 12.00 PM.
2. Acted as a Coordinator for “FIVE DAYS FDP ON OPEN SOURCE TOOLS FOR DATA ANALYTICS” held on 24TH MAY TO 28TH MAY 2021.

Publications: National/ International Journals

- Published a paper on “**Privacy and Security of Big Data-A High Perspective Investigation**” Deepika, R., Valarmathi, K. 2022 *1st International Conference on Computational Science and Technology, ICCST 2022 - Proceedings, 2022*, pp. 639–644.
- Published a paper on “**Liver Tumor Detection Using Fast Fuzzy C-Means Clustering**” Deepika, R., Swathi, K., Mythilee, K.L. 2022 *1st International Conference on Computational Science and Technology, ICCST 2022 - Proceedings, 2022*, pp. 369–373.
- Published a paper on “**DCNET: A Novel Implementation of Gastric Cancer Detection System through Deep Learning Convolution Networks**”, IEEE XPLORE.2022 International Conference on Advanced Computing Technologies and Applications (ICACTA), <https://doi.org/10.1109/ICACTA54488.2022.9752960> Published Online: April 2022.
- Published a paper on “**Live Streaming Data Analysis using Distributed Stochastic Bi-LSTM Model**”, 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), <https://doi.org/10.1109/IC3IOT53935.2022.9767934>, Published Online: May 2022
- Published a paper on “**SPED-Net: Speech Emotion Detection Network**”, Proceedings of the 1st International Conference on Modern Functional Materials (ICMFM 2021), AIP Conference Proceedings 2464, Pg: 060004-1–060004-4, <https://doi.org/10.1063/5.0082645>, Published Online: 26 May 2022.
- Published a paper on “**Dealing with claustrophobia using virtual reality**”, Proceedings of the 1st International Conference on Modern Functional Materials (ICMFM 2021), AIP Conference Proceedings 2464, Pg: 060007-1 to 060007-5, <https://doi.org/10.1063/5.0082647>, Published Online: 26 May 2022.
- Published a paper on “**Sales Upsurge System**” Proceedings of the 1st International Conference on Modern Functional Materials (ICMFM 2021), AIP Conference Proceedings 2464, Pg.: 060002-1 to 060002-5, <https://doi.org/10.1063/5.0082649>, Published Online: 26 May 2022.

- Published paper titled " **AR guide for Food Allergic Consumers** " ,International Conference For Pheonixes On Emerging Current Trends In Engineering And Management at Panimalar Engineering College (26.03.2021 and 27.03.2021)
- Published paper titled " **Automatic Bridge Monitoring System Using IOT**" ,International Conference For Pheonixes On Emerging Current Trends In Engineering And Management at Panimalar Engineering College (26.03.2021 and 27.03.2021)
- Published paper titled " **Detection and Identification of Pancreatic Cancer using Probabilistic Neural Network**" ,International Conference For Pheonixes On Emerging Current Trends In Engineering And Management at Panimalar Engineering College (26.03.2021 and 27.03.2021)
- Published paper titled " **Delineation of Lung Tumor with Neural Networks**" ,International Conference For Pheonixes On Emerging Current Trends In Engineering And Management at Panimalar Engineering College (26.03.2021 and 27.03.2021)
- Published paper titled " **Real Time Non-Invasive Continuous Glucose Monitoring Using AI**", ICPECTS 2020 - IEEE 2nd International Conference on Power, Energy, Control and Transmission Systems, Proceedings, 2020.
- Published paper titled " **Advancement of BCI in Robotic Wheelchair**", International Journal of Pharmaceutical Research, Oct - Dec 2019 | Vol 11 | Supplementary Issue 1.
- Published paper titled " **IOT based Fire Exterminating Robot**", International Journal of Engineering and Advanced Technology (IJEAT), ,ISSN 2249-8958. Volume 9 Issue -1.
- Published paper titled " **Detection And Prevention Of Botnet Attacks In Iot Devices Using Reverse Proxy**", THINK INDIA (Quarterly Journal), April-June-2019 .(UGC JOURNAL).
- Published paper titled " **Smart Voting System Using ATM**", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 6, Issue 7, July 2019. (UGC JOURNAL)
- Published paper titled " **Identifying The Presence Of Kidney Stone Using Machine Learning**", Journal of the Gujarat Research Society Volume 21 Issue 17, December 2019.ISSN: 0374-8588. (UGC JOURNAL)

- Published paper titled “**Secure Server Deduplication In Cloud Computing**”,
Journal of the Gujarat Research Society Volume 21 Issue 17, December
2019.ISSN: 0374-8588. (**UGC JOURNAL**)
- Published paper titled “**Advanced Toll Plaza Monitoring by Utilization of WSN Modules**” International Journal of Science and Innovative Engineering & Technology (IJSIET), Volume 1, May Issue 2018.
- Published paper titled” **Multitudinous of remedial medical image using stationary wavelet transform**”, International Journal of Engineering & Technology Website: www.sciencepubco.com/index.php/IJET. International Journal of Engineering & Technology, Vol 7, No 2.33 (2018), Special Issue 33 .
- Published paper titled ”Implementation of CoAP Algorithm to Estimate the Motion of Video Stream”Design Engineering ISSN: 0011-9342 | Year 2021 Issue: 7 | Pages: 647-670 .(yet to index in scopus)

National/ International Conferences

- Presented paper on the title "Live Streaming Data Analysis using Distributed Stochastic Bi-LSTM Model " International Conference on Communication, Computing and Internet of Things (IC3IoT) Sri Sairam Engineering College 10-11 March 2022. Electronic ISBN:978-1-6654-7995-0
- Presented paper on the title "DCNET: A Novel Implementation of Gastric Cancer Detection System through Deep Learning Convolution Networks " IIEEE XPLORE.2022 International Conference on Advanced Computing Technologies and Applications (ICACTA) Sri Krishna College of Engineering and Technology .4-5 th March 2022. Electronic ISBN:978-1-6654-9515-8.
- Presented paper on the title " AR guide for Food Allergic Consumers " ,International Conference For Pheonixes On Emerging Current Trends In Engineering And Management at Panimalar Engineering College (26.03.2021 and 27.03.2021)
- Presented paper on the title " Automatic Bridge Monitoring System Using IOT" ,International Conference For Pheonixes On Emerging Current Trends In Engineering And Management at Panimalar Engineering College (26.03.2021 and 27.03.2021)

- Presented paper on the title " Detection and Identification of Pancreatic Cancer using Probabilistic Neural Network" ,International Conference For Pheonixes On Emerging Current Trends In Engineering And Management at Panimalar Engineering College (26.03.2021 and 27.03.2021)
- Presented paper on the title " Delineation of Lung Tumor with Neural Networks" ,International Conference For Pheonixes On Emerging Current Trends In Engineering And Management at Panimalar Engineering College (26.03.2021 and 27.03.2021)
- Presented Paper titled “Real Time Non-Invasive Continuous Glucose Monitoring Using AI”, Virtual IEEE International Conference on POWER, ENERGY, CONTROL AND TRANSMISSION SYSTEMS, organized by Sri Sairam Engineering College held on 10.12.20 & 11.12.20.
- Presented Paper titled “IOT based fire Exterminating Robot”, International Conference on Latest trends in Engineering and Management organized by Institute for Engineering Research and publication (IFREP) held on 20th -21st October 2019 at Pondicherry.
- Presented Paper titled “Development Of BCI For The Movement Of Robot Joint” , National Conference on Smart Innovations in Communications and Computing (NCSICC’19)- Orgazised by Dept of CSE,Sri SaiRam Engineering College Chennai on 5 th March,2019.
- Presented Paper titled, “Detection And Prevention Of Botnet Attacksusingreverse Proxy Algorithm”, National Conference on Smart Innovations in Communications and Computing (NCSICC’19)- Orgazised by Dept of CSE,Sri SaiRam Engineering College Chennai on 5 th March,2019.
- Presented Paper titled “Advanced Toll Plaza Monitoring by utilization of WSN modules”, International Conference on Contemporary Engineering and Technology Organized by Organization of Science and Innovative Engineering & Technology in association with Prince shri venkateshwara padmavathy engineering college,prince Dr K.Vasudevan college of engineering chennai on 10th & 11th March 2018.
- Presented Paper titled “Smart Home Salvation Surveillance System”, National Conference on Smart Innovations in Communications and Computing (NCSICC’18) – Orgazised by Dept of CSE,Sri SaiRam Engineering College chennai on 27th March 2018.
- Presented Paper titled “Network Traffic classification using correlation information” National conference on computing communication & information

technology, T.J.S.Engineering College, 7th April **2016**.

- Presented paper titled “Enhanced Iterative Filtering Technique for providing Secure data aggregation against collision attack”, National conference on computing communication & information technology, T.J.S.Engineering college, 7th April **2016**.
- Presented paper titled “Loosely Coupled MTC Applications for Multicloud Deployment of Computing Clusters “,National conference at RMK Engineering College ,Chennai March 2005.

FDP/ WORKSHOP/ SEMINAR

| SDP, WORKSHOP, SEMINARS | | |
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| Name of the Programme | Organized by | Date |
| FDP-AI-Diving in IOT&Computer Vision | JSPM'S Rajarshi Shanhu College of Engineering,Maharashtra | 17.01.2022 -22.01.2022 |
| FDP-Artificial Intelligence in Health Care | Sri Sairam Engineering College | 21.02.2022-25.02.2022 |
| FDP-Recent Trends in Research | SRM University of Science&Technology-Vadapalani Campus | 09.02.2022-10.02.2022 |
| Webinar - Immunizing Cyber Security | University College of Engineering, Thirukkuvalai | 12.01.2022 |
| FDP-AI-Natural Language Processing University College of Engineering Kakinada (A) 29.11.2021 - 03.12.2021 | University College of Engineering Kakinada (A) | 29.11.2021 - 03.12.2021 |
| FDP - Augmented Reality/Virtual Reality and its applications | Sri Sairam Engineering College | 04.10.2021 - 08.10.2021 |
| Webinar - Mathematician Enroute to Data Analytics and Machine Learning | Voorhees College Vellore | 15.09.2021 |
| Webinar - Oracle Academy Faculty Day | Oracle Academy | 10.08.2021 |
| Workshop - Art of Research | Sri Sairam Engineering Colleg | 23.08.2021 - 24.08.2021 |
| Webinar - Challenges and Opportunities in Urban Sanitation | Sri Sairam Engineering College | 06.08.2021 |
| Workshop - Big Data Analytics in Cloud Computing using Python Programming | Annamalai University | 09.07.2021 - 10.07.2021 |

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| FDP - International FDP Progresses in Computer Science and its Applications | Vels Institute of Science Technology and Advanced Studies | 09.07.2021 - 14.07.2021 |
| STTP - Full Stack AI and Deep Learning Practitioner Approach | Koneru Lakshmaiah Education Foundation, Andhra Pradesh. | 07.06.2021 - 19.6.2021 |
| FDP - Inculcating Universal Human Values in Technical Education | AICTE | 28.06.2021 - 02.07.2021 |
| Webinar - Outcome Based Learning Process in Technical Education | National Institute of Technical Teachers and Research, Chennai | 06.05.2021 |
| Webinar - International Webinar on Blockchain Technology | Kombolcha Institute of Technology, WOLLO University | 07.05.2021 |
| Webinar - Implementation of National Education Policy 2020 | Sathyabama Institute of Science and Technology | 23.04.2021 |
| Workshop - 6 Days National Workshop on Research Methodology | Queens College of Arts and Science for Women, Punalkulam | 19-04-2021-24.04 .2021 |
| Webinar - Scene Understanding using Deep Learning | Sri Sivasubramaniya Nadar College of Engineering | 10.04.2021 |
| FDP - Essentials of Outcome Based Education | Dr. M.G.R. Educational and Research Institute | 15.03.2021 - 19.03.2021 |
| FDP - Virtual Reality and Augmented Reality | Guru Nanak College | 08.03.2021-11.03.2021 |
| Microsoft AI Classroom Series | NASSCOM | 09.03.2021 |
| STTP - Speech and Image Processing using Deep Learning Techniques | Annamalai University | 03.03.2021 - 09.03.2021 |
| STTP-Big Data Analytics in Genetics | SRM Institute of Science and Technology | 22.02.2021 - 27.02.2021 |
| FDP - Teaching Learning Methods Towards Outcome Based Education | Velammal Institute of Technology | 10.02.2021 - 23.02.2021 |
| ATAL FDP Stress-management | GOVERNMENT COLLEGE OF ENGINEERING - SRIRANGAM. | 01.02.2021 - 05.02.2021 |
| FDP SIX SIGMA FOR INDUSTRIAL PROJECTS | MHRD(SEC -IIC) | 01.02.2021 |
| International workshop Automatic Speech recognition | SRM Institute of science and technology | 18.01.2021 - 20.01.2021 |
| Webinar Demystifying Patents | CBIT - School of Management Studies | 30.01.2021 |
| AICTE Sponsored Six Days online Short Term Training Program Internet of Things(IOT) with Block chain -Applications and challenges | velalar college of engineering and technology | 04.01.2021 - 09.01.2021 |
| 3rd International Conference Engineering Challenges in Gulf | Kuwait Chapter of The Institution of Engineers | 22.01.2021 |

| Countries | (India) | |
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| National Webinar NLP Application using python | SRM Valliammai Engineering College | 28.12.2020 |
| Industry Training Microsoft AI Classroom Series | Microsoft ,India | 18.12.2020 |
| STTP AI in Health Care 6 days SSN ENGINEERING COLLEGE | SSN ENGINEERING COLLEGE | 14.12.2020 TO 19.12.2020 |
| FDP on Redefining The Role Of Teachers | Sri Kanyaka Parameswari Arts and Science College for Women | 13.12.2020 |
| AICTE Sponsored Six Days online Short Term Training Program-Internet of Things and its Applications [Phase-IV] | SRM Valliammai Engineering College | 07.12.2020 - 12.12.2020 |
| FDP on Deep Learning for Cybersecurity | Sri Venkateswara College of Engineering | 30-11-2020 to 04-12-2020 |
| WEBINAR on NEP - 2020 Challenges in Implementation | Sri Krishnadevaraya Institute of Management | 20-11-2020 |
| STTP on Internet of Things and its Applications | SRM Valliammai Engineering College | 23.11.2020 to 28.11.2020 |
| FDP on Artificial Intelligence | PANIMALAR ENGINEERING COLLEGE | 16-11-2020 to 20-11-2020 |
| FDP on Insight and Trend in Data Analytics | KARPAGAM COLLEGE OF ENGINEERING | 21.08.2020 to 26.08.2020. |
| SEMINAR on Virtual Power Seminar - Oracle DB, Query and Trends” | Kings Engineering college | 08.06.2020. |
| WEBINAR on Recent Advancements on AI, IOT & Data Science | B. S. Abdur Rahman Crescent Institute Of Science And Technology | 08.06.2020 TO 12.06.2020 |
| FDP on Big Data Engineering | Kings Engineering college | 01.06.2020 TO 05.06.2020 |
| Recent trends in information,computing,communication and teaching methodology competency | Sri sairam engineering college - dept cse,ece &IT | 04/5/2020 To 17/5/2020 |
| FDP on Cs6701 Cryptography And Network Security | Panimalar Institute of technology | 11/5/2020 to 15/5/2020 |
| FDP on Data Science using python | Jeppiar Institute of Technology | 18/5/2020 to 22/5/2020 |
| FDP on Machine Learning for Beginners | SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY in association with Indian Servers. | 9/5/2020 |
| FDTP on web application security | Jeppiar Institute of | 27/5/2020 to 28/5/2020 |

| | Technology | |
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| FDP on R training | Adhiparasakthi Engineering College - Spoken Tutorial Project, IIT Bombay. | 22/03/2020 |
| FDP on AWS-Cloud Master | ICT Academy (Rajalakshmi Engineering College) | 24/08/2019 |
| FDP on Introduction to Cloud Computing | ICT Academy (Loyola Institute of Technology) | 11/07/2019 – 12/07/2019 |
| FDP on NextGen TechStack | Dept of CSE(SSEC) | 08/04/2019 – 12/04/2019 |
| FDTP on GE8151-Problem Solving & Python Programming | Anna university (SSEC) | 11/06/2018 – 18/06/2018 |
| ICT Academy Certified Trainer (C Programming)-Skill Tester | ICT Academy (SSEC) | 25/06/2018 |
| FDTP ON Cs6703-Grid and cloud computing | Sri sairam Institute of Technology(Anna university) | 8/6/2017-16/6/2017 |
| FDP on Grid,Cloud Computing and Data Mining | Sri Sai Ram Engineering College | 20/06/16 – 24/06/16 |
| FDP on Grid and Cloud Computing | Sri Sai Ram Engineering college | 08/08/2016-09/08/2016 |
| FDP on Design And Analysis of Algorithm | Vel Tech High Tech Dr.Rangarajan Dr. Sakunthala Engineering College | 17/12/14 to 23/12/14 |
| FDP on Cloud computing and Big Data | Department of CSE Sri Sai Ram Engineering College | 8/12/2014 &9/12/2014 |
| FDP on Cloud Computing and Virtualization | Department of CSE, Sri Sai Ram Engineering College | 2/3/2015 6/3/2015 |
| FDP on Big Data and Internet of Things | Department of CSE, Sri Sai Ram Engineering College | 10/2/2014 – 14/2/2014 |
| FDP on Recent Trends in Cloud Computing and Virtualization | Department of CSE, Sri Sai Ram Engineering College | 04/11/2013- 08/11/2013 |
| FDP on Cloud Computing | Department of IT And TCS at Sri Sai Ram Engineering College | 05/05/2014 |
| Workshop on Network Simulator NS2 | Dept of CSE,Sri Sai Ram Engineering College | 9/07/2013 – 13/07/2013 |

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| Workshop on Zigbee based wireless sensor networks | VIT Chennai | 13.4.13 |
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