



SRI SHRIDEVI CHARITABLE TRUST (R.)
**SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY**



NAME: Dr. Charan K V

Designation: Associate Professor

Department: Information Science and Engineering

Date of Joining	01-01-2021		
Professional Experience	Teaching	Industry	Research
	10	0	3

Contact Details	
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Google Scholar	https://scholar.google.com/citations?user=LFSBhrMAAAAJ&hl=en
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Academic Background
<ul style="list-style-type: none">• PhD from VTU university. Completed Year: 2019 Feb
<ul style="list-style-type: none">• MTech completed at Siddaganaga Institute of Technology, Tumkur. Completed Year: 2014
<ul style="list-style-type: none">• BE completed in information science and Engg at SSIT, Tumkur

Areas of Interest	
<ul style="list-style-type: none">• Artificial intelligence	<ul style="list-style-type: none">• IoT
<ul style="list-style-type: none">• HPC	<ul style="list-style-type: none">• Cyber Security

Significant Publications

- No. of Papers Published in Journals: 9**

- Kumaresh Sheelavant, **Charan K V** et all, “Ensemble Learning-Based Intrusion Detection and Classification for Securing IoT Networks: An Optimized Strategy for Threat Detection and Prevention”, Vol. 17, No 02, PP. 101-118, 2025, Doi: <https://doi.org/10.54216/JISIoT.170208>.
- Anjum Afsana T A, **Dr. Charan K V**, “QR Code Jacking: A Threat to Digital Trust in a Connected World”, Volume 8, Issue 7. July 2025, DOI:10.15680/IJMRSET.2025.0807078
- Yashodha H R, **Dr. Charan K V**, “A Network to Predict GDM Risk In Pregnant Women”, International Journal of Advanced Scientific Innovation , Volume 6, Issue 10 September – 2024.
DOI(Journal): <https://core.ac.uk/reader/642974910>
- Suhas G.K., **Charan K.V**, Bhagappa, “State Wise Covid-19 Case Forecasting Based on Machine Learning by Using SEIR and Time Series Models”, International Journal of Broadband Cellular Communication, Volume 9, Issue 1, 2023DOI (Journal): 10.37628/IJBCC
- Suhas G. K, **Charan K.V**, Deepak N. R, Bhagappa, “An Approach to Smart Waste Segregation using IOT”, Research and Applications: Embedded System Volume 5 Issue 2
DOI: <https://doi.org/10.5281/zenodo.6965901>
- Charan K.V** and Suhas G. K, “Implementation of Task Scheduling Algorithms of Multiprocessor and Mixed Critical Systems”, Research and Applications: Embedded System Volume 5 Issue 3 e-ISSN: 2582-2993 DOI:<https://doi.org/10.5281/zenodo.7326272>
- Kumaresh Sheelavant, R. Sumathi, **Charan K V**, “Optimal Routing and Scheduling for Cognitive Radio Sensor Networks using Ensemble Multi Probabilistic Optimization and Truncated Energy Flow Classification Model”, International Journal of Engineering Trends and Technology Volume 69 Issue 9, 168-178, September, 2021
ISSN:2231–5381/doi:10.14445/22315381/IJETT-V69I9P221
- Charan K.V**, A.S Manjunath (2017) Scheduling concurrent garbage collection using adaptive scheduling technique for multi-core systems , Inderscience publications, International journal of systems control and communications (IJSCC) SCI, Volume 8, Number 4
<http://www.inderscience.com/info/ingeneral/forthcoming.php?>),2017.
- Sreedhar Kumar Seetharaman , Madheshwaran Muthuswamy, **CharanK V**, Vinutha B.A, ManjunathSingh, Abrief Survey of Unsupervised agglomerative hierarchical clustering scheme ,International Journal of Engineering and Technology (SCOPUS), 29-37, Volume 8, No 1 (Jan 2019) (DOI:10.14419/ijet.v8i1.13971).

- No. of Papers Presented in Conferences: 4**

- Charan K V** and Pramodh T C (2022) Optical Character Recognition System of Telugu Language Characters Using Convolutional Neural Networks at Seventh “International Conference on Emerging Research in Computing, Information, Communication and Applications” held during 24- 26, February 2022, at NMIT, Bangalore, India.
- Charan K.V**, A.S Manjunath (2016) The reservation technique in hierarchical scheduling algorithm for real-time mixed criticality tasks, IC 3 I - 2016 2 nd IEEE international conference on contemporary computing and informatics, Amity university New Delhi.
- Charan K.V**, A.S Manjunath (2014) Customizing AOSP for different embedded devices, INDIACom -

- **Dr. Charan K V**, Voice command based image editing using Natural language processing and Deep learning models, at 2nd International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur on 19th & 20th June 2025.
- **Book Chapters 2**
 - **Charan K V**, Optical character Recognition System of Telugu language characters using Convolution neural networks. Emerging Research in computing, information, communication and applications ERCICA2022. Year of publication : 2022 ISBN: 978-981-19-5481-8.
 - **Dr. Charan K V**, Dr. Sridevi R, Integrated Artificial Intelligence In Personalized Learning Systems. Year of Publication : 2025 ISBN: 978-93-482-5410-8.

- **Projects Selected**

The student project titled "**Be My EYES**" has been selected for **sponsorship under the 4th Series of the Student Project Programme (SPP) 2024–25** by the **Karnataka State Council for Science and Technology (KSCST)**.

- **List of FDP's/Workshops**

- 2025-Feb 5 Days FDP (Online) on AI Tools Organized by Brain O Vision Solutions India Pvt. Ltd.
- 2025-April 3 Days FDP (Offline) on Fundamentals of Deep Learning at Nvidia Discovery in Mahadevapura, Bangalore.
- 2024- Nov 5 Days FDP (Online) on Cloud Architect Organized by ExcelR Edtech Pvt. Ltd.
- 2019-Dec One Day National Level Seminar on AICTE Quality Initiatives and Sensitization of Technical Teachers
- Training held on 16th Dec 2019 at Cambridge Institute of Technology, Bangaluru
- 2019-Oct3Days Workshop on Sales Force Platform Development at SaiRamEngineering College.
- 2019-MayFDPonOutcomeBasedEducation-NBAorganizedbySirMVisvesvarayaInstituteofTechnology, Bangaluru.
- 2014-Aug FDP on Advanced Training Program in Industrial Automation Using PLC and S CADA in M.S Ramaiah institute of technology, Bangaluru.
- 2013-JanJUDCON international conference at Nimhans convention centre,Bangalore.
- 2013-Apr One week Android workshop at SIT Tumkur
- 2012-Feb One day workshop on ASP.Net With AJAX organized by SIET.
- 2011-July15daysAICTE sponsored staff development program on Optical Networks and Relevant areas in computer science and technology.
- 2011-FebTwodays workshop on Mobile Computing and Security organized by SIET.
- 2011-Mar One day faculty development program(FDP)on The Journey to Private Cloud with EMC conducted by SJCIT.
- 2010-Dec7days short term course on Data Storage and Storage area networks conducted by EMC2
- 2010-Nov Two days faculty development workshop on Service Oriented Architecture organized by Board for IT Education Standards (BITS).
- 2008-09 Infosys Campus Connect Program at S.S.I.T Tumkur.
- 2009-MarTechelon-9 organized by CSI-SSIT Student Branch.

Patents Published:1

- A Machine Learning Based Approach for Early Prediction of Neurodegenerative disorder, Published Date:08/04.2022, Application number: 202241017039.
- Successfully guided **2 PG student and currently guiding 4 PhD students**.

Achievements

- Nominated as Research Advisory Committee member at SIT, Tumkur.
- Life time membership in **GreenThinkerZ** Association.
- Working as a conference paper reviewer in Microsoft CMT portal.
- Served as a judge in the “**Creatathon**” an 8 Hours Inter – collegiate Hackathon held on 3rd Jan 2025, Organized by WIE – IEEE Student5 Branch, S.S.I.T, Tumkur.