


Name of Teaching Staff	: Prof. Revathi A S	
Designation	: Assistant Professor	
Department	: Electronics & Telecommunication Engineering	
Date of Joining the Institution	: 5.1.2015	
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Google Scholar Link	: <a href="https://scholar.google.com/citations?hl=en&amp;user=6lR9mWEAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=6lR9mWEAAAAJ</a>	
Researchgate Link:	<a href="https://www.researchgate.net/profile/Revathi_A_S">https://www.researchgate.net/profile/Revathi A S</a>	
Qualifications with Class / Grade	: 1.M.E in Communication Systems, Kumaraguru College of Technology Anna university,Tamilnadu, First class with distinction CGPA-8.53,2014 2. Btech in Electronics And Communication, MEA Engineering College, Calicut University,Kerala, First class,71.24%,2011	
Total Experience in Years	: <b>Teaching: 8 years</b> 1. Assistant Professor, D.J. Sanghvi College of Engineering from 5.8.2015 to till date. 2. Guest lecture, Royal College of Engineering & Technology ,Calicut University,Kerala from 12/09/2011 to 01/03/2012.	
Papers Published in Journal:	: <b>International: 6</b>  1."Traffic Sign Detection Using MATLAB", International Journal of Science and Research (IJSR), <a href="https://www.ijsr.net/archive/v5i11/v5i11.php">https://www.ijsr.net/archive/v5i11/v5i11.php</a> , Volume 5 Issue 11, November 2016, 1251 - 1254,  2. Revathi A S, PreetiJha, RohanParab,"Sclera Pattern Recognition for Identification" <a href="http://www.ijcaonline.org/archives/volume156/number7/26723-2016912470">http://www.ijcaonline.org/archives/volume156/number7/26723-2016912470</a>  3. Revathi A S, OjasBarve, NeerajRamkumar," An Intelligent System to Avoid Collision in Vehicle based on Can Protocol", <a href="http://www.ijcaonline.org/archives/volum e155/number9/26637-2016912436">http://www.ijcaonline.org/archives/volum e155/number9/26637-2016912436</a> ISBN : 973-93-80895-06-1  4. Revathi A. S., Charvi Jain, KhusbooKorani, "Use of E and V Spectrum Bands for providing IoT in Rural Areas through Optical Fiber Communication" <a href="http://www.ijcaonline.org/archives/volume158/numb er2/26881-2017912748">http://www.ijcaonline.org/archives/volume158/numb er2/26881-2017912748</a> ISBN : 973-93-80895-39-0  5. Revathi A S., Harshit Desai and IshanKathuria. "Embedded Web Server". International Journal of Computer Applications153(10):37-40, November 2016.  6. Pranit Ghag,Vineet kanetkar,Revathi A S.. Smart mirror using artificial Intelligence international journal of computer applications 181(26):18- 21, November 2018.	
Papers Presented in Conferences	: <b>National: 3</b>	

1. Presented a paper titled “Location map based reversible data hiding based on histogram shifting” in TEQIP - II Sponsored National Conference On Communication Systems and VLSI Design (NCCSVD 2014) conducted by ECE Dept. of PSG College of Technology, Coimbatore on 30/01/2014.
2. Presented a paper titled “Efficient Reversible data hiding scheme for performance improvement in grayscale images” in TCS and TNSC sponsored national conference on Computing, Communication and Information systems (NCCCIS 2014) conducted by IT Dept. of Sri Krishna College of engineering Technology, Coimbatore on 07/02/2014.
3. Presented a paper titled “Prediction error expansion based Reversible data hiding for color images using cross channel correlation” in the national conference on Communication, Information & Telematics (CITEL 2014) conducted by ECE Dept. of Kumaraguru College of Technology, Coimbatore on March 13th and 14th, 2014

**International: 5**

1. Presented a paper titled “, "Analysis of Different Font Types and Sizes for High Quality Watermarked, Extracted Watermark and Medical Images Using HS Based Reversible Watermarking,"” in International conference on Computing Communication & Network Technologies (ICCCNT 2019) conducted by IIT., Kanpur on 6-8 July 2019.

2. Presented a paper titled “Histogram Modified Reversible Data Hiding Based on Canny Edge Detection and Prediction Error expansion” in the International Conference on Communication Technologies (ICCT 2015) conducted by EXTC Dept., DJSCE on 25-26 September 2015.

3. “Embedding Audio inside a Digital Video Using LSB Steganography” Proceedings of the 10th INDIACOM; INDIACOM-2016; IEEE Conference ID: 37465.

4. Published a paper titled “A Novel Approach to Implement Decentralized Voting System using Block chain” in Proceedings of International Conference on Wireless Communication pp 471-479, Part of the Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT, volume 36), <https://www.springerprofessional.de/en/a-novel-approach-to-implementdecentralized-voting-system-using-/17397674>

5. A. Revathi and N. A. Modi, "Comparative Analysis of Text Extraction from Color Images using Tesseract and OpenCV," 2021 8th International Conference on Computing for Sustainable Global Development (INDIACom), 2021, pp. 931-936, doi: 10.1109/INDIACom51348.2021.00167.

Area of Specialization

**Communication Networks/Systems, Image Processing, Data Science**

Professional Memberships	:	<b>Life Member of Indian Society of Technical Education (ISTE)</b>	
Subjects Taught		<p><b>UG Level:</b>  Big Data Analytics  Database Management System  Computer Communication Networks  Optical Communication &amp; Networks  Internet &amp; Voice Communication.  Microcontrollers</p> <p><b>PG Level:</b>  Optical Fiber Communication</p>	
Projects Guided	:	<ol style="list-style-type: none"> <li>1. <b>UG Level:</b></li> <li>2. YOLOv3 BASED TRAFFIC SIGN BOARD DETECTOR</li> <li>3. FAKE NEWS DETECTOR USING MACHINE LEARNING ALGORITHMS AND DJANGO FRAMEWORK</li> <li>4. Smart Voice controlled Bot integrated with Home Automation, Sentiment analysis and Image Captioning Mechanism</li> <li>5. AI CHATBOT FOR DISEASE DIAGNOSIS</li> <li>6. AUTONOMOUS AND BLUETOOTH CONTROLLED SPICK -N-SPAN DEVICE</li> <li>7. Crop field management based on IoT using ARDUINO</li> <li>8. CHATDROID using android studio</li> <li>9. Implementation of low cost FM transceiver</li> <li>10. Decentralised voting system using block chain</li> <li>11. Smart Doodle using Neural Network</li> <li>12. Portable Digital Storage Oscilloscope</li> <li>13. Smart Mirror using Raspberry Pi and Artificial Intelligence</li> <li>14. Garbage Monitoring system using IoT</li> <li>15. Detection of Errors in liquid level and label of a bottle using MATLAB</li> </ol>	
Recommended Students for Higher Education		<p><b>Name of the Student</b>  Sankalp Sharma  Rajit Puzhakarezhath</p>	<p><b>University/Industry</b>  University of Southern California  University of Illinois</p>
Institute/Department Responsibility handled:		<ol style="list-style-type: none"> <li>1. IBM Trainer for “Predictive Analytics” practical sessions during February 2021 to June 2021.</li> <li>2. Exam Evaluation Committee member of department from July 2019 to till date.</li> <li>3. Sub-editor in Technofocus Magazine during June 2015 to July 2016.</li> <li>4. Class teacher</li> <li>5. Lab in charge</li> <li>6. Student Mentor</li> <li>7. BE Project Guide.</li> <li>8. Assisting criteria in charges of different criteria’s of NBA and NAAC.</li> </ol>	