


Profile

Name of the Faculty	Mrs. B.V. Subbayamma					
Designation	Asst. Prof.					
Department	Electronics and Communication Engineering					
Date of Birth	15.07.1971					
DOJ the Institution	06.12.2005					
Employee ID	ECE 060184					
Address for communication	Flot No.103, D.No.5-6 Sri Swarna Residency Kanuru, Vijayawada:520007	Permanent Address		Flot No.103, D.No.5-6 Sri Swarna Residency Kanuru, Vijayawada:520007		
Email-ID	subbayamma@pvpsiddhartha.ac.in					
AICTE Unique ID	1-454503305					
Education Qualifications	UG	PG	Ph.D	Others		
	B.Tech.	M.Tech				
Work experience	Teaching	Research		Industry	Others	
	18 1/2 years					
Area of Specialization	Communications & Radar systems					
<p><i>Courses taught at Under Graduate/ Post Graduate Level: (full course title only)</i></p> <p>UG: EDC, PDC, BEE, LDICA, LICA, MPI, MP & MC, STLD, DSP, TSSN, WC&N, RS, SC, TV, OC, CN, EMI, MWE, TV&SC, IoT, ED&AC, ACKT</p> <p>PG: AAS, EMC/EMI</p>						
Professional Memberships & ID's : IETE: M- 234481, ISTE: LM 102521 , MSI: LM858						
Research Publications & Guidance	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters
	-	08		02	01	
	Masters			-		

Details of Paper
Publications
(In IEEE Format only
Descending order)

Journals:

1. Authors: 1.Jampani Ravi, 2.B. V. Subbayamma, 3.P. Vijaya Kumar, 1.Yadavalli S.Sriramam, 4.S.Marlin, 5.Adlin Sheeba & N.V. Phani Sai Kumar
Title: Multi-image fusion: optimal decomposition strategy with heuristic-assisted non-subsampled shearlet transform for multimodal image Fusion.
Publisher : Signal, Image and Video Processing
ISSN: 1863-1711 , Volume :18, Issue: 3, Pages: 2297-2307
Month & Year of publication : April 2024
2. Authors: 1. B.V.Subbayamma 2. N.Nandhini 3. Mahesh Maurya
Title: Deep Learning Based Brain Tumor Analysis with Manual Layer Selection
Publisher : IJISAE, **ISSN: 2147-6799, Volume :12, Issue: 7**
Pages: 20-25. Month & Year of publication : Jan-2024
3. Authors:1.P. Satyanarayana , 2.G. Diwakar , 3.B.V. Subbayamma, 4.N.V. Phani Sai Kumar , 5.M. Arun , 6.S. Gopalakrishnan
Title: Comparative analysis of new meta-heuristic-variants for privacy preservation in wireless mobile ad-hoc networks for IoT applications.
Publisher : ELSEVIER, Computer Communications -Journal
ISSN: 0140-3664, Volume :198 , Pages: 262 – 281
Month & Year of publication : 15 January 2023
4. Authors: 1.U. Srilakshmi, 2.Neenavath Veeraiah 3.Youseef Alotaibi 4.Saleh Ahmed Alghamdi 5.Osamah Ibrahim Khalaf 6.B.V.Subbayamma
Title:An Improved Hybrid Secure Multipath Routing Protocol for MANET
Publisher : IJISAE, **ISSN: 2169-3536, Volume : 9**
Pages: 163043-163053, Month & Year of publication : **Dec-2021**
5. Authors: B.V.Subbayamma, D.Sridhar, V. Naresh
Title: A review on multipath routing protocols for manet
Publisher : Turkish Journal of Physiotherapy and Rehabilitation
ISSN: 2651- 4451, Volume :32, Issue: 3, Pages: 6474-6481
Month & Year of publication : june-2021
6. Authors names: B.V.Subbayamma, T.Sushma
Title: Human Detection Robot in Rescue Operations
Publisher : IRJIET, **ISSN: 2581-3048, Volume : 5, Issue: 6**
Pages: 20-25, Month & Year of publication : June-2021.
7. Authors : B. V. Subbayamma, U. Durga Srihitha, S. Mohini Sekunthala
Title: Vehicle Starter using Face Recognition
Publisher : **IJEAT**, **ISSN: 2249 – 8958, Volume :9, Issue: 5**
Pages: 711-713, Month & Year of publication : June 2020
8. Authors : **B.V.Subbayamma & D.Hareesha**
Title: Content Based Image Retrieval using colour and texture
Publisher JETIR, **ISSN: 2349-5162, Volume :6, Issue: 6**
Pages: 920-925, Month & Year of publication : **june-2019**

	<p>Conferences: 2</p> <p>1. Authors : J. Sravanthi; B.V. Subbayamma; Waseem Sultana; Sriram Parabrahmachari, V. Gokula Krishnan. Yadavalli S S Sriramam</p> <p>Title: Enhancement of Energy Efficiency using Improved Energy Efficient Routing Protocol in Wireless Sensor Networks for IoT Applications</p> <p>Publisher : IEEE, ISBN: 979-8-3503-4617-6, (2023 3rd International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS))</p> <p>Date of Conference: 18-20 May 2023</p> <p>Date Added to IEEE Xplore: 07 August 2023</p> <p>2. Authors: 1. Dr.G. Venkata Subbaiah 2. Ms. B.V. Subbayamma 3. Ms.B. Pavithra</p> <p>Title: Implementation of QoS-Improved Region based Routing protocol(QoS-IRBRP) to enhance energy efficiency in MANET</p> <p>Publisher : IEEE</p> <p>(Advanced Computing & Communication Systems – ICACCS 25th & 26th March 2022)</p> <p>ISBN No: 978-1-6654-0816-5</p> <p>Page no(s) : 1136-1140, Month & Year of publication: June 2022</p>
Details of Patents Published / Granted	<p>APPLICATION NO: 202021055090</p> <p>PUBLICATION DATE: 22/01/2021</p> <p>APPLICATION NUMBER 202021055090</p> <p>APPLICATION TYPE ORDINARY APPLICATION</p> <p>DATE OF FILING 18/12/2020</p> <p>APPLICANT NAME 1.PROF. SAURABH AVINASH TEJPAL (ASSISTANT PROFESSOR)</p> <p>2. B.V. SUBBAYAMMA (ASSISTANT PROFESSOR)</p> <p>3. DR. SWATI N. DESHMUKH (ASSOCIATE PROFESSOR)</p> <p>4. PROF.(DR.) S. B. CHORDIYA (DIRECTOR-SIMMC-CAMPUS)</p> <p>5. MISS. PARI NIDHI SINGH</p> <p>6. PROF. (DR.) BEG RAJ (DIRECTOR)</p> <p>TITLE OF INVENTION NHAM- COMBINED HEALTH MONITORING: IOT-BASED COMBINED HEALTH MONITORING, NOTIFICATION, HOME AUTOMATION AND MEDICINE PREDICTION SYSTEM</p>

<p>Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)</p>	<p>PARTICIPATED:</p> <ol style="list-style-type: none"> 1. FDP on 5G and Beyond by NITTTR, Chandigarh at PVPSIT during 5th – 9th February 2024. 2. FDP on AI/ML and Data Science for Industry 4.0 (Intermediate Level) conducted by Vijaya Institute of Technology For Women during 29th January - 2nd February 2024. 3. FDP on Practical implementation of artificial intelligence & IOT in engineering solutions conducted by PVPSIT on 25th January 2024. 4. Curriculum workshop organized by Efftronics Pvt.Ltd. in association with IETE, Vijayawada, during 17th – 19th November, 2023. 5. FDP on Neural Networks and Fuzzy Logic organized PVP Siddhartha Institute of Technology in Association with NITTTR, Chandigarh during 21st August – 1st September, 2023. 6. FDP on Cloud Infrastructure (AWS) organized by AICTE & Brain o vision Solutions India Pvt Ltd during 21st – 25th 7. FDP on Quality Research Paper and Funding Project Proposal Writing conducted by PVPSIT at SAGTE during 11th – 15th March 2024. 8. FDP on Antenna Design for modern wireless applications, organized by Department of ECE, PVPSIT on 21st & 22nd May, 2024. 9. Workshop on Development of IoT System for Targeted Applications using ARM organized by Department of ECE, PVPSIT on 21st & 22nd June, 2023. 10. FDP on Recent Trends in Wireless Communications organized by Department of ECE, PVPSIT on 24th – 28th April' 2023. 11. FDP on Antennas and Wireless Technologies organized by PVPSIT in association with NITTTR Chandigarh during 20th - 24th March, 2023. 12. FDP on Universal Human Values-II organized by AICTE during 13th - 18th February, 2023 13. FDP on Deep Learning in Computer Vision: An End-to-End Pipeline organized by VR Siddhartha Engineering College, Vijayawada, India during 27th - 31st December' 2022. 14. FDP on Design and Practical Aspects of RF Devices, MEMS and Antennas for 5G Communications, Radar and Electronic Warfare organized by VR Siddhartha Engineering College, Vijayawada, India during 14th – 16th December' 2022. 15. FDP on VLSI Design & Nano electronics: Emerging Challenges & Opportunities sponsored by Electronics and ICT Academy at PDPM IITDM Jabalpur during 1 st – 8 th September' 2022. 16. Hybrid FDP on Applications of IoT in Mechanical Engineering organized by, Dept. of Mechanical Engineering PVP Siddhartha Institute of Technology during 23rd - 24th November' 2022. 17. FDP on "Deep Learning" at Atal Bihari Vajpayee Indian Institute of Information Technology, Gwalior during 5th -9th July' 2021 18. FDP on Artificial Intelligence for Computer Vision organized by Indian Institute of Technology, Roorkee during 12th – 16th July' 2021. 19. STTP through ICT Mode on Outcome Based Curriculum – Design and Implementation organized by National Institute of Technical Teachers Training and Research (NITTTR)-Kolkata during 2nd - 13th August' 2021
---	--

20. Workshop on AICTE-ISTE sponsored One Week Online Induction Programme on Millimetre Wave Frequencies (Phase-III) organized by Gudlavalleru Engineering College during 17th – 24th August' 2021.
21. FDP on "Essentials of 5G Communications "organized by PVP Siddhartha Institute of Technology during 26th -28th August' 2021.
22. FDP on " Machine Learning: Techniques and Applications " organized by Dept. of IT,PVP Siddhartha Institute of Technology during 22nd -23rd April' 2022.
23. FDP course on 'IoT' conducted by APSSDC during 13th -25th July' 2020
24. FDP on Research Trends in Image Processing with Machine Learning and Deep Learning organized by Dept. of ECE, G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh during 21st - 25th July, 2020.
25. STTP on 'IoT application development using Python(Smart Agriculture) ' organized by Narasaraopeta Engineering College during 27th July -1st August' 2020.
26. STTP on "Machine learning & IoT Technologies for environmental Issues" organized by PVPSIT during 21st - 26th Sep, 2020.
27. FDP on Professional Morals Work ethics, Accountability for Teachers in Technical Education organized by VRSEC during 19th – 31st October, 2020
28. AICTE-ISTE sponsored one week online induction program on "Millimeter wave Frequencies" organized by PVP Siddhartha Institute of Technology during 16th - 21st Nov, 2020
29. ATAL Online FDP on "Internet of Things (IoT)" at National Institute of Technology Puducherry during 26th - 30th Dec, 2021
30. FDP on Lab on chip organized by Department of Electronics and Instrumentation Engineering, SRM Institute of Science and Technology during 18th - 22nd January' 2021.
31. ATAL Online FDP on "Artificial Intelligence" at Birla Institute of Technology, Mesra, Ranchi during 25th - 29th January' 2021
32. FDP course on 'IoT' conducted by APSSDC from 13.07.2020 to 25.07.2020
33. FDP on 'Recent Trends in Image Processing with ML & DL'organized by G.Pullu Reddy Engineering College from 21.07.2020 to 25.07. 2020.
34. FDP on IOT With Artificial Intelligence organized by Dept. of ECE, SIR C R Reddy Engineering college, Eluru during 27th – 29th May, 2020.
35. FDP on 'Microstrip Antennas for Adavnced Wireless Communications' organized by Kallam Haranadhareddy Institute of Technology from 15.05.2020 to 16.5.2020
36. FDTP on 'Web Applications Security' organized by Jeppiaar Institute of Technology from 27.05.2020 to 28.05.2020.
37. FDP on 'Embedded Systems & IoT Applications' organized by Vignan's Institute of Engineering for Women from 04.06.2020 to 06.06.2020.
38. FDP on 'Technologies for Healthcare' organized by GMR, Institute of Technology, Rajam from 08.06.2020 to 10.06.2020.
39. Faculty improvement program on 'Phython Programming' conducted by APSSDC from 01.06.2020 to 13.06.2020.
40. FDP on 'Blockchain security & Smart Contracts'organized by VRSEC

	<p>from 15.06.2020 to 20.06.2020.</p> <p>41. Certification course AI For Every One of the coursera on 30.06.2020</p> <p>42. Certification course on ‘Digital Teaching Technoques’ organised by ICT Academy from 29.06.2020 to 04.07.2020</p> <p>43. FDP on Machine Learning for Language, Vision and Control at NIT Warangal (Tadepalligudem) during 25th - 30th March, 2019.</p> <p>44. Faculty Development Program on NBA Accreditation conducted by NITTTR at PVPSIT during 22nd -26th April, 2019.</p> <p>45. FDP on VLSI Design conducted by NITTTR Chandigarh, organized by dept. of ECE during 24th – 28th September, 2018 at PVPSIT knowledge Centre.</p> <p>46. workshop on Leadership opportunities for Professional Women at Efftronics Pvt.Ltd. during 26th - 27th October, 2018.</p> <p>47. Workshop on PCB Design and Prototype development organized by the department of ECE , Vellore Institute of Technology, A.P. during 8th - 9th Dec 2018.</p> <p>48. Workshop on on Digital Health Interventions organized by Dept. of Medical education at Dr. Pinnamaneni Siddhartha Medical Science and Research Foundation, Chinautupally on 22nd Dec 2018.</p> <p>49. workshop on “Advances in Electronics and Communication Engineering (AECE – 2017)” on 26th& 27th August, 2017 at JNTUK, Kakinada.</p>
Details of Projects Applied / Awarded	
Any Other information	

Signature