



### Department of Artificial Intelligence and Datasience

#### FACULTY DETAILS

<b>Staff Name</b>	:	Gold Beulah Patturose J
<b>Date of Birth</b>	:	24-09-1988
<b>Educational Qualification</b>	:	M.E
<b>Area of Interest</b>	:	Artificial Intelligence , Wireless Networks , Machine Learning
<b>Years of Experience</b>	:	9 Years 5 Months
<b>Area of Research</b>	:	Artificial Intelligence, Wireless Networks
<b>No of Student Projects Guided</b>	:	16
<b>Supervisor</b>	:	-
<b>FDP &amp; Workshop Funding</b>	:	-
<b>Research Projects (Granted)</b>	:	-
<b>R &amp; D Activities</b>	:	-
<b>Publication Details</b>	:	<p><b>Journal:-</b></p> <p>1. Palaniselvan Sundaravadiel, Sathiyapriya Thangavel, Gold Beulah Patturose Jegajothi, Rethinasamy Meenakshi, Dhanushkodi Siva Sundhara Raja, and D. Rajesh Kumar, "A High-Performance, Thin, Circularly Polarized Microstrip Antenna for Compact Radar Systems" Progress In Electromagnetics Research Letters, Vol. 124, 31-36, 2025</p> <p>2.Jeen Retna Kumar R, Berakhan F. Stanley, Subha S, Jim Reeves S, Gold Beulah Patturose J, Bini "Image Based Automated weather Analysis Using Deep Learning for Decision support to Remote Farmers" International Journal of Intelligence Systems and Applications in Engineering Volume 11, Issue 3 (2023)   ISSN : 2147-6799  </p> <p>3 R Sarathkumar, Kithion S, Immanuel Prabaharan S, A Samu Nighar, C David, J Gold Beulah Patturose "Finding Diverse Paths For Robot Navigation Using A Fast Random Walk Approach"International Journal of Electrical Electronics &amp; Computer Science Engineering Volume 4, Issue 1 (February, 2017)   E-ISSN : 2348-2273   P-ISSN : 2454-1222</p>

4 J Gold Beulah Patturose, P Immanuel Vinoth “Performance Analysis Of Multicast Routing Protocol IMAODV, MAODV, ODMRP AND ADMR For MANET” International of Advanced Research in Computer Engineering & Technology(IJARCET-6252)Volume2, Issue3, March2013.

**Conferences:-**

- 1.”Advanced Deep Learning Framework for Cancer Cell Detection using Mammography Images” in ICDICI 2024, 5<sup>th</sup> International Conference on Data Intelligence and Cognitive Informatics by SCAD College of Engineering and Technology, Cheranmahadevi, India.
- 2.”Investigating security challenges and solutions for preserving privacy while sharing data across networks – a study with reference to e-commerce websites” in ICRTAC ‘24 7<sup>th</sup> International Conference on Recent Trends in Advanced Computing by VIT, Chennai, India
- 3.” Remote and Centralized Billing System Using Cloud Computing” in ICCIDS 2024 7th IFIP TC 12 International Conference by Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, February 21–23, 2024, Revised Selected Papers.
- 4.“Performance Analysis Of Multicast Routing Protocol IMAODV, MAODV, ODMRP AND ADMR For MANET” in ICEICE 13 INTERNATIONAL CONFERENCE on Emerging trends in Information and Communication Engineering by Cape Institute of Technology, Levengipuram, Tirunelveli.
5. “Source And Message Authentication Using Tam Protocol For Adhoc Networks” In Nconcept-2013 National Conference on Computer Edutainment and Processing Trend organized by Infant Jesus Association of Computer Technocrats, Keelavallanadu.
- 6.”Detecting Wormhole Attack In Usro Routing Protocol Using Packet Leash Methodology” In Ncrtice -2013 National Conference on Department of Information Technology by Tamilnadu College of Engineering, Karumathampatti, Coimbatore.
- 7.”Safety And Oil Density Indication(Sodi) In Two Wheelers” In Silicon -2016 National Conference on Department of Information and communication Technology by Dr.M.G.R. Educational and Research Institute University, Maduravoyal, Chennai.
- 8.”Coexistence Of Wifi And Lifi Towards 5g” In Futex -2017 National Conference on Electronic and communication

	<p>Engineering by Chandy College of Engineering, Mullakkadu,Tuticorin.</p> <p>9. "Improvement Of Source And Message Authentication Using Tam Protocol For Adhoc Networks" EMICS'13 by Maria College of Engineering, Kanyakumari.</p>
<b>Patent Publication</b>	<p>1.“Smart Antenna Systems for Improved Performance in Wireless Networks” Published on 01/11/2024</p> <p>2.“Integrated Health Management Platform with IoT and Artificial Intelligence” Published on 04/10/2024</p> <p>3.“MIMO Antenna System Optimized for 5G Networks” Published on 04/10/24</p> <p>4.Integrated Farm Security System Incorporating Computer Vision and Machine Learning 04/10/24</p> <p>5.”Smart Agriculture Solution Incorporating AI and IoT Sensors” Published on 19/04/24</p> <p>6.“Smart Care Helmet” Published on 29/03/2024</p>
<b>FDP &amp; Workshop Attended Details</b>	<p>1. Two weeks International Faculty Development Program on “DATA SCIENCE” Organized by the department of Artificial Intelligence and Data Science, Eswari Engineering College, Chennai.</p> <p>2. Faculty Development Program on Interactive E-Content Preparation through Thinglink App, Organized by the ISTE Chapter of Jayaraj Annapackiam CSI College of Engineering, Nazareth.</p> <p>3. Faculty Development Program on Recent Advances in Electric Vehicle and Renewable Energy Integration: Challenges, Solutions and Opportunities</p> <p>4. Faculty Development Program on Emerging Trends and Applications of Machine Learning Based Artificial Intelligence from 20.02.2023 to 25.02.2023</p> <p>5. Faculty Development Program on Outcome Based Education from 01.02.2023 to 09.02.2023</p> <p>6. Faculty Development Program on Art of Research Publications and Promotions from 03.03.2023 to 05.03.23</p> <p>7. Faculty Development Program on Internet Trends on Networks &amp; IoT from 06.03.2023 to 11.03.2023</p> <p>8. Faculty Development Program on Vehicular Ad-hoc Networks &amp; Internet of Things from 01.04.2023 to 03.04.2023</p> <p>8. Faculty Development Program on Research Paper Writing, Proposal drafting and Patenting Strategies from 22.5.2023 to 26.5.2023</p>

9. Faculty Development Program on Advancements in Next Generation Computing and Communications in an IoT age from 19.6.2023 to 23.6.2023
10. Faculty Development Program on Multi-attribute Fuzzy Time Series Based on Adaptive Expectation from 11.06.2023 to 15.06.2023
11. Faculty Development Program on CO PO Mapping & CO PO Attainment 10.07.2023 to 14.07.2023

<b>Professional Membership</b>	: No
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<b>Google Scholar ID</b>	: <a href="https://scholar.google.com/citations?view_op=new_articles&amp;hl=en&amp;imq=Gold+Beulah&amp;authuser=1#">https://scholar.google.com/citations?view_op=new_articles&amp;hl=en&amp;imq=Gold+Beulah&amp;authuser=1#</a>
<b>Scopus ID</b>	: <a href="https://www.scopus.com/authid/detail.uri?authorId=59399761400">https://www.scopus.com/authid/detail.uri?authorId=59399761400</a>
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