FACULTY PROFILE FORMAT (Format 3)		
Staff Name	:	G D VIGNESH
Faculty ID	:	3123415
Designation	:	Assistant Professor
Qualification	:	ME Communication System
Teaching Experience	:	8 years 3 months
Area of Specialization	:	Wireless Communication & Cognitive Radio Networks , WSN
Subjects Handled	:	Wireless Communication Adhoc & WSN Satellite Communication Communication Engineering Wireless Networks
Books Published	:	Published a **book** on **"Advances in Computer Science and Artificial Intelligence",** Authors: Dr.GN Balaji, Dr.AM Balamurugan, Dr.AKP Kovendan, **Mr.GD Vignesh.** Publisher: COSMAS Scientific Publications, ISBN: 978-81-19359-39-4 (2023).
Journals Published	:	1.Deep reinforcement learning for comprehensive route optimization in elastic optical networks using generative strategies by Renjith, PN ; Sujatha, G ; Vinoth, M ; **Vignesh, GD**; Prabhu, MR ; Mouleswararao, B, Volume 55 Issue 13 (1197) DEC 2023. DOI: 10.1007/s11082-023-05501-5. 2.Adaptive rate and modulation scheme for M2M communication using quantum optical and 5G communication by Chillakuru, PD ; **Vignesh, GD** ; Maheswari, S ; Sabeenian, RS ; Mouleswararao, B ; Markkandan, S, Volume55 Issue 11 (1021) NOV 2023. DOI: 10.1007/s11082-023-05373-9. 3.Empowering sustainable farming practices with AI-enabled interactive visualization of hyperspectral imaging data by Subudhi, S., Dabhade, R.G., Shastri, R., **Vignesh, G.D.,** Chaturvedi, A. Measurement: Sensors, 2023, 30, 100935. 4.Sensor data fusion techniques in the construction of generalized VORONOI graph for on-line motion planning in robot navigation by **Vignesh G.D.,** Ramu A., Raja, J.T., Haldorai, A., Senthil Kumar, G. International Journal of System Assurance Engineering and Management, 2022. **5. Design of Social Distance Monitoring Approach Using Wearable Smart Tags in 5G IoT Environment During Pandemic Conditions** by Molina-Granja, F., Lozada-Yánez, R., Santacruz-Sulca, F.J., **Vignesh, G.D**., Swaminathan, J.N. Smart Innovation, Systems and Technologies, 2023, 312, pp. 731–740.
Conference /Workshop Attended	:	1. Five days Online STC on SCILAB for Beginners at NITTR, Chandigarh from 24-7-2023 to 28-7-2023.

		2. Five days Online AU sponsored FDP on Antennas & Microwave Engineering at Karpagam Institute of Technology, Coimbatore from 14-6-2021 to 19-6-2021. 3. Five days Online AU sponsored FDP on Signals and Systems at Dr.Mahalingam College of Engineering & Technology, Pollachi from 7-6-2021 to 12-6-2021. 4. Five days Online AU sponsored FDP on Electronic Circuits-I at MIT, Chennai from 24-5-2021 to 29-5-2021.
Patent Details	:	1. AI-Driven Statistical Analysis of Social Media Data for Enhanced Event Promotion and Audience Interaction. 2. A MULTI-AGENT AI SYSTEM FOR COLLABORATIVE MUSIC COMPOSITION AND PERFORMANCE. 3. IOT ENABLED EDGE COMPUTING SYSTEM FOR SMART AGRICULTURE APPLICATIONS.
Funded Project Details		NIL