CURRICULUM VITAE

Dr.P.Maheswaravenkatesh
Assistant Professor (Sr.Gr)
Department of ECE
UCE – BIT Campus, Tiruchirappalli 620 024
Contact no: 9865799677
Mail. ID: pmvenkatesh76@gmail.com

➤ **Research Area:**
- ▪ Optical Communication and Networks
- ▪ Wireless Communication and Antennas
- ▪ Wireless Networks.
- ▪ Signal Processing.

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion
Ph.D. (ICE)	Anna University Chennai	2017
PG -ME (Applied Electronics)	Anna University Chennai	2004
UG-BE- (ECE)	Madurai Kamaraj	1998
Others		

Experience: (23)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
University college of Engineering BIT Campus ,Anna University Trichy	**Assistant Professor(Sr. Gr)**	**27.08.2014**	**Till date**	9
University college of Engineering BIT Campus Anna University Trichy	**Assistant Professor**	**26.08.2009**	**26.08.2014**	5
K.L.N College of Information Technology , Madurai	**Assistant Professor**	**10.09.2005**	**25.08.2009**	4
Mohammed Sathak Engineering College	**Lecturer**	**24.08.2001**	**09.09.2005**	4
Radiant Software Pvt. Ltd. Chennai, India.	**Software Engineer**	**16.08.2000**	**23.07.2001**	1

➤

➢ **Awards / Honours Received:**
1. Received memento and certificate fo appreciation for 100% results in EC 8751 Optical communication - Anna university end semester examination held during Nov-Dec 2020
2. Received memento and certificate fo appreciation for 100% results in EC 8751 Optical communication - Anna university end semester examination held during Nov-Dec 2021

➢ **Additional / Academic Responsibilities at University:**
1. Member of Anna University Affiliation Committee.
2. DC Member of Research Committee.
3. External and Internal examiner for Conducting University Practical Examination of Anna University
4. Hall invigilator during University Theory Examinations of Anna University
5. Question paper setter for UG and PG examinations (both theory and Practical)
6. Member of Squad for Examinations
7. Anna University Representative for Theory exams.
8. Medal distribution committee member of Graduation day Celebrations since 2018
9. Seating Arrangements committee member of Graduation day Celebrations since 2018

➢ **Membership of Scientific and Professional Societies:**

1. Indian Society for Technical Education (ISTE)

2. Institution of Engineers India (IEI)

➢ **Fellowships and Grants received:**
➢ **Completed PG/UG Projects:**

a. Number of PG Projects Completed:**22** Nos

b. Number of UG Project Completed:**42** batches

➢ **Research Guidance (M.S/Ph.D.) (Completed):**

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➢ **Research Guidance (Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	Arun A N	FACIAL MICRO EXPRESSION ANALYSIS USING DEEP LEARNING ON VIDEO IMAGES	2018	THESIS Submitted
2.	Sarathbabu R	Enhance the Load balancing and Efficient Task Allocation in Multimedia Wireless Sensor network	2018	Confirmation completed
3.	Srividhya N	Design of Microstrip Antennas for WBAN Applications	2019	Confirmation completed
4.	Murugesan G	Metaheuristics with Deep Learning Enabled Security Solutions for Social Internet of Things Networks	2021	Confirmation completed
5.	Roja G	Metamaterial Inspired Split Ring Resonator with Dual band Monopole Antenna.	2021	Confirmation completed

> **Publications:**
  a. Books / book chapters:
1. Chapter entitled **"Class imbalance data handling with deep learning–based ubiquitous healthcare monitoring system using wearable devices"** was published in a Book In: **Elsevier "**Wearable Telemedicine Technology for the Healthcare Industry Product Design and Development**"**, **Edited by** Deepak Gupta ,Ashish Khanna,D.Jude Hemanth and Aditya Khamparia, **ISBN:** 978-0-323-85854

   Authors: R. Sowmyalakshmi, **P. Maheswara Venkatesh,** T. Jayasankar, K. Shankar

  b. International Journals:

1) A.N. Arun, **P. Maheswaravenkatesh**, T. Jayasankar, " Facial Micro Emotion Detection and Classification Using Swarm Intelligence based Modified Convolutional Network", **Expert**

Systems with Applications, Vol.233, 2023, 120947, ISSN: 0957-4174. **IF 8.5 (Indexed in SCIE Annexure I)** https://www.sciencedirect.com/science/article/abs/pii/S0957417423014495

2) Ganesan Roja, **Maheswaravenkatesh Panchavarnam** and Jayasankar Thangaiyan. " Split Ring Resonator Inspired Dual-Band Monopole Antenna for ISM, WLAN, WIFI, and WiMAX Application." *Tehnički vjesnik* 30, no. 5 (2023): 1533-1538. **IF 0.9 (Indexed in SCIE Annexure I)** https://doi.org/10.17559/TV-20230210000344

3) A. N. Arun, **P. Maheswaravenkatesh** and T. Jayasankar, **2023** " Facial Emotion Recognition Using Swarm Optimized Multi-Dimensional Deepnets with Losses Calculated by Cross Entropy Function" , *Computer Systems Science & Engineering,* vol. 46, no.3, pp. 3285–3301, 2023. ISSN: 0267-6192 (Print**) IF.4.397. (Indexed in SCIE Annexure I) DOI:10.32604/csse.2023.035356.**

4) N. Srividhya ,**Maheswaravenkatesh .P** ," Metamaterial Inspired Antennas : Reviews and Future Challenges" International Journal of Multidisciplinary Research Transaction , 371-397 ,IJMRT Volume (5),Issue 6,2023.ISSN : 2663-2381.(**Indexed in Scopus**)**.**

5) R.Sowmyalakshmi,**P.Maheswara Venkatesh** , T. Jayasankar, K. Shankar ," Class Imbalance Data Handling With Deep Learning–Based Ubiquitous Healthcare Monitoring System Using Wearable Devices",Wearable Telemedicine Technology for the Healthcare Industry, 123-136 (**2022**)(**Indexed in SCIE and Scopus**)

6) M.Kavitha, T.Jayasankar, **P.Maheswara venkatesh**, G.Mani, C.Bharatiraja, and Bhekisipho Twala, "COVID-19 Disease Diagnosis using Smart Deep Learning Techniques"**,** *Journal of Applied Science and Engineering,* Vol. 24, No 3, pp. 271-277 *(june-2021),* **ISSN:1560-6686 (Indexed in Scopus and Web of Science - Emerging Sources Citation Index)** Published by Tamkang University Press.

7) SarathBabu.R**,** **Maheswaravenkatesh.P,** R.Sureshkumar,**2020**, "To Detect And Isolate Black Hole Attack In Manet Using Aodv" ,*International Journal Of Scientific* ,Vol 43,No 3,PP 25-28 ,ISSN 2249 -6661.(**Indexed in Scopus and UGC**)

8) S.Shanthi, **T. Jayasankar,** Prasad Jones Christydass, P. MaheswaraVenkatesh , *"* Wearable Textile Antenna For GPS Application*", International Journal of Scientific &Technology R*

esearch, Vol.8, No.11, pp.3788-3791, November **2019**, ISSN 2277-8616. **(Indexed in Scop us and UGC)**

9) **P.Maheswaravenkatesh ,** 2019 **, "** High Security Performance Of Optical Communication Over BioInspired Algorithm**",** *International Journal Of Control And Automation*,Volume 12 ,NO 6,PP(926-934) ISSN 2005-4297 **(Indexed in Scopus and UGC)**

10) G.Dinesh, C.Rajinikanth, **P.Maheswaravenkatesh ,**T.V.Vanitha , 2019, " An Optimized Dijkstra's SPF Algorithm used MultiHop Clustering for Scalable IoT Systems", International Journal of Advanced Science and Technology ,Volume 28,No 14 pp(298-306).**(Scopus Indexed).**

11) **Maheswaravenkatesh.P** & Sivanantha Raja, A 2017, "**A QoS-Aware Dynamic Bandwidth Allocation in PON Networks** ",Wireless Personal Communications an International Journal ", Volume 94, Issue 4, pp 2499–2512 .ISSN NO:0929-6212,**IF: 1.20 (Indexed in SCIE and Scopus).**

12) **P.Maheswaravenkatesh,** A. Sivanantha Raja, T. Jayasankar & K.VinothKumar, *" QoS Aware and Green Hybrid Access Network " , Appl. Math. Inf. Sci*.,Vol.11, No. 3, May 2017, pp.819–825, ISSN: 1935-0090(Print): EISSN: 2325-0399 (Online), **IF. 0.527. (Indexed in Scopus)**

13) **Maheswaravenkatesh.P,** Sivanantha Raja, A & Jayasankar, T 2016, " **Enhancing The Qos in Energy Efficient WDM/OFDM Passive Optical Networks** ', International Journal of Control Theory and Applications , vol. 9, no. 8, pp. 3505-3514, ISSN:0974 -5572 .**IF:0.166. (Indexed in Scopus)**

14) **Maheswaravenkatesh.P**, Dr. A. Sivanantha Raja " **Energy efficiency Analysis For Cluster based Optical Networks**" International Journal of Applied Engineering Research,Volume(10)number 5(2015)pp12317-12328 ISSN 0973-4562.**(Indexed in Scopus)**

15) **Maheswaravenkatesh.P** , Dr. A. Sivanantha Raja " **Energy Efficient Optical Burst Chain Switching with QOS Aware Networks ",** Australian Journal of Basic and Applied Sciences, 8(10) July 2014, Pages: 334-342, ISSN 1991-8178.(**Indexed in Scopus).**

16) C Rajeswari and **Maheswaravenkatesh.P** . " Decision Threshold Control Method for the Optical Receiver of a WDM PON using PSO " , *International Journal of Computer Applications* Vol .35(7):32-34, ISSN **0975-8887.**

17 ,**Maheswaravenkatesh.P**,S.A.Amutha Jeevakumari, "Performance Analysis of Space Time Coded MIMO Mobile Wimax(IEEE 802.16e),International Journal of Engineering Science and Innovative Technology.(IJESIT),Volume 2,march 2013.ISSN 2319-5967 Science, New York, USA:

18, **Maheswaravenkatesh. P** , Margarat.M 'Segmentation of Lung Lobes and Identification of Nodules in CT Images Using Adaptive Fissure Sweep Algorithm' International Journal on Computer Information Systems.

c. **National Journals:**

➢ **Patents:(2)**

1. Application No.201941046137 A Date of filing of Application : 13/11/2019 (43) Publication Date: 29/11/2019,Title of the Invention: "A NOVEL IMAGE COMPRESSION MODEL AND AN OPERATION METHOD THEREOF FOR UNDER WATER ENVIRONMENT".

2. Application No. 202041050843 A Date of filing of Application :23/11/2020,Publication Date : 11/12/2020,Title of the invention : RECIPROCAL DATA MAX-LOG-MAP (RD-MLMAP) BASED OFDM SYSTEM FOR IMAGE TRANSMISSION.

➢ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status

➢ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration

➢ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

➢ Two weeks "Induction Training programme" for I year ECE Students on **15.11.2022 to 26.11.2022.**

➢ Two days National Level Workshop in **"Emerging Trends on Biosignal Processing , Biomaterials & Instrumentations of Medical Device for Health Care Applications",** on 07-08-2019 to 08.08.19.

➢ One day National Level Workshop in **"Analog Discovery Kit",** on 07-06-2019.

➢ Two days National Level Workshop in **"IoT -LoRa",** on 01-09-2017 to 02.09.17.

➢ Two days National Level Technical Symposium **"TROY 17"**on Mar 28-29.

➢ TEQIP Sponsored **"Value Added Course on Internet of Things"** on Sep 28-09.16 to 02.10 16.

➢ TEQIP Sponsored Two days National Level Technical Symposium **" TROY 16" March** 3-4, 2016.

➢ TEQIP Sponsored Two days National Level Technical Symposium **"TROY 15"** Oct 30-31, 2015.

- Workshop on **"RENESAS RL 78-16"** on March 18, 2015.

- TEQIP Sponsored Two days National Level Technical Symposium **"ESPIL 14",**March 19-20, 2014.

- One day National Level Technical Symposium **"TROY 14"**,Oct 30 2014.

- TEQIP- II Sponsored Two days National Level Seminar on **"Internet Programming"**, Oct 8-9, 2013.

- **List of Seminar / Short Term Course /FDP/ Workshop attended:**

- Four Week Faculty Induction/Orientation Programme for **"Faculty in Universities/Colleges/Institutes of Higher Education"** from 22 March – 20 April, 2023.

- Five Days online FDP on **"Inculcating Universal Human Values in Technical Education"** jointly organized by AICTE from 28-02-22 to 4-03-22.

- Two-week Online Faculty Development Programme on "ICT Tools for Teaching, Learning Process and Institute" jointly organized by Electronics and ICT Academies held from 10th - 21st August, 2020 under the "Scheme of financial assistance for setting up of Electronics and ICT Academies" of the Ministry of Electronics and Information Technology (MeitY), Government of India.

- One -week AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things(IoT)" from 11-05-2020 to 15-05-2020 at Government College Of Engineering Srirangam, Trichy.

- Three Weeks Industrial Training on "Communication and Networking Technologies" from 1.6.2020 to 19.06.2020, At BSNL Trichy.

- One Week FDP on "Internet of Things" ,Jointly Organised by Department of Computer Science and Engineering, Government College of Engineering Srirangam,Trichy and ATAL Academy .(4 to 8 /11/2019)

- One day faculty training program in "Advanced communication system " on july 07,2017 organised by department of electronics and communication engineering ,Anna University,Trichy.

- TEQIP- II Sponsored Two weeks FDP in " Enhancement of Class Room Communication ECC,16 " Organized by Dept. of English, at Anna University, Trichy from 18-07-16 – 31-07-16.

- TEQIP II Sponsored Seven days FDTP in " Emerging Trends in Mathematical Modeling and Simulations (ETMMS' 15) " Organized by Dept. of Maths, at Anna University, Trichy from 08-05-15 to 14-05-15.

- Two week ISTE Workshop on signals and systems conducted by Indian institute of technology ,kharagpur on January 2nd to 12th,2014

- Faculty development program on optical communication and networks at Dhirajlal Gandhi college of technology on june 23rd to 29th 2013.

- Three days National Workshop on "Essentials of Embedded System"on 05th & 07 th Mar 2014, Organized by SEED Ooty.

- Seven days Refresher Course in " A Compendium in High speed and Mobile Networks" at Anna University, Trichy from 05-08-13 – 11-08-13.

- One day workshop on RENESAS 16 BIT RL78 MICROCONTROLLER held by Anna University ,Trichy on may 13 ,2012

- Four days workshop on Network simulation using NS-2 Organised by Periyar Maniammai university on feb 1st -4th ,2011

- One day seminar on "Research methodology " organized by Anna University Trichy,on august 27 ,2011.

- One day workshop on "Teaching methodologies" held by department of English Anna university ,Trichy on January 8th 2011.

- Symposium on "How to become a better you "held by chamber of commerce ,Madurai on july 11 ,2009.

- Two days national seminar on "advanced technologies and research challenges in IT" held at Sethu institute of technology on feburary 21st -22nd ,2008

- National level workshop on digital signal processor[T.M.S. SERIES] held at Anjalai ammal mahalingam engineering college ,kovilvenni on july 26th-28th,2006

- Two days workshop on "applications of DSP in wireless communication" organized by ece department of K.L.N college of engineering ,pottapalayam on feburary 10th-11th 2005.
- AICTE-ISTE sponsored short term training program on "Digital signal processing and applications" held by PSNA college of engineering on march 29 –april 3 ,2004

- **National / International Conferences organized / Participated:**

1) Srividhya N, **Maheswaravenkatesh .P,** " A Survey on Implementable Antennas For Biomedical Applications: Challenges and Solution" In the Third International Conference on Intellectual Research in Science ,Engineering and Management, ICIRSEM 2023 ,21st April Organised by ST.Joseph College of Engineering and Technology,Thanjavur .

2) Srividhya N, **Maheswaravenkatesh .P,** " SMART Technology for Bio Medical Engineering Applications" In the International Conference on Smart Electronics and Communication Engineering, ICSECT 2023 ,13&14 March 2023, Organised by ST.Joseph College of Engineering and Technology,Thanjavur .

3) Srividhya N, **Maheswaravenkatesh .P,** " A review on Design Issues and Challenges of Wearable Antennas" In the Second International Conference on Intellectual Research in Science ,Engineering and Management, ICIRSEM 2022 ,28th March Organised by ST.Joseph College of Engineering and Technology,Thanjavur .

4) **Maheswaravenkatesh.P,** Sarathbabu .R **"**To Detect and Isolate Black Hole Attack in MANET Using AODV **"** in the First Online International Conference on ICCIASH-2020 organized by St.Martins Engineering College,Dhulapally, Secunderabad,T.S,India.

5) **Maheswaravenkatesh.P,** Sarathbabu .R "NARP Protocol for Path Stability in Wireless Sensor Networks" in the International Conference on Recent Advancements in Wireless Communications,Signal Processing organized by Chennai Institute of Technology on 29& 30 June 2020.

6) **Maheswaravenkatesh.P**, Jayasankar.T "Performance Investigation of Typical 1550nm Optical Inter-Satellite Communication System in Space Ionizing Radiation Environment" in the SEEE Sponsored International Conference on Latest Trends in Science ,Engineering and Technology(ICLTSET'18),Karpagam Institute of Technology Coimbatore, during March 23&24,2018.

7) Jayasankar.T,**Maheswaravenkatesh.P**, "Estimation of Joint Phase Noise and Chennal in OFDM with Low Complexity Optimization Methods In IoT-Based Networks" in the SEEE Sponsored International Conference on Latest Trends in Science ,Engineering and Technology(ICLTSET'18),Karpagam Institute of Technology Coimbatore, during March 23&24,2018.

8) **Maheswaravenkatesh.P**, and Nancy "Energy aware gateways placement and virtual channels for reducing wireless traffic in a hybrid access network" in the Anna University ,Trichy international conference on emerging trends in electrical ,electronics and communication systems ICEEECS'16 on September 24th to 26th ,2016.

9) Renuga and **Maheswaravenkatesh.P "**A QOS aware bandwidth allocation in pon network" in the national conference of advanced computing in recent technology [NCACRT'2K15] held at M.A.M college of engineering on April 8,2015.

10) Hemavathy.P **Maheswaravenkatesh, P,** "Design Of Micro Strip Antenna For Small Cell Is Used To   Bluetooth And WLAN Applications", International Conference On Communication, Circuits & Computer Mahath Amma Institute Of Engineering & Technology, Pudukkottai   27-04-2015.

11) **Maheswaravenkatesh, P** ,R.DINESH "Survival of optical networks WDM compared with OFDM", International Conference On Innovative Engineering Skills Aishwarya College Of Engineering And Technology ,On Bhavani,Erode.12.02.2014

12) Annamalai R and **Maheswaravenkatesh. P** ,"Energy Aware Optical Networks " In The International Conference on Futuristic Trends In Electronics Engineering ,Organized By Thiruvalluvar College of Engineering Technology ,In Association With International Society of Automation(Isa)held on 1st and 2nd March 2014,Vandavasi.

13) S.Thirupura Sundari and **Maheswaravenkatesh. P**," A Novel protocol for Energy Efficient Clustering for Heterogeneous Wireless Sensor Networks" International Conference on Futuristic Trends in Electronics Engineering ,Thiruvalluvar college of Engineering and Technology in association with International Society of Automation (ISA) held on 2nd and 3rd march ,2013.

14) P,T.kalaimani and **Maheswaravenkatesh. P**,"A Modified Sierpinski Carpet fractal Antenna for Wireless Applications" 2nd International Conference on "Communication and Signal Processing ,3rd ,4th &5th April 2013,Adhiparasakthi Engineering College,Melmaruvathur-19.

15) **Maheswaravenkatesh.P**,"Antenna subset selection with ofdm using pso algorithm" in the national conference on "advancement in instrumentation,control and automation"(NCAICA'14) on may 3rd ,2014.

16) **Maheshwaravenkatesh.P,**" Compact Microstrip inverted antenna for GPS" in national conference "ACCENT-2K14" Organized by sengunthar college of engineering on march 27th 2014

17) Hemavathy.P, **Maheswaravenkatesh. P** , "Triple Band Micro Strip Antenna For Femtocell Application", "National Conference On Nascent Technologies In Signal Processing And Communication" Bharathidasan Institute Of Technology ,Trichy 27-11-2014.

18) Kayalvizhi.K, **Maheswaravenkatesh. P** , "Enhanced Qos Routing Protocol For Hybrid Wireless Networks", "National Conference On Nascent Technologies In Signal Processing And Communication" Bharathidasan Institute Of Technology, Trichy 27-11-2014 .

19) Ramya.K, **Maheswaravenkatesh. P,** "Design And Analysis Of Inverted S-Shaped Quad Band Patch Antenna For Wireless Applications", "National Conference On Nascent Technologies In Signal Processing And Communication" Bharathidasan Institute Of Technology, Trichy 27-11-2014.

20) S.Archana and **Maheswaravenkatesh. P**, "Scalability improvement in location management scheme of large scale VANET applications ",5th National Conference on Signal Processing, Communications and VLSI Design" held on 10th and 11 th may 2013at Anna University regional center,Coimbatore.

21) J.Sathish and **Maheswaravenkatesh. P**, "Investigation of Nonlinear Pulses in Optical Fiber with Higher Order Effects "second National conference on Electronics ,Communication and Signal Processing -CommuniQuest'13, Rajiv Gandhi college of engineering,Sriperumbudur-105.

22) Sudha.V, **Maheswaravenkatesh. P** ' Common Sub expression Elimination Algorithm for Realizing Low Complexity FIR Filter' National Conference on Emerging Trends in Engineering, Management & Computer Applications (EMCA'11 AUT)April (1&2).

23) Senthazhai and **Maheswaravenkatesh. P** ,"Data Acquisition by Low Power Wireless Sensor Networks' National Conference on Research Issues and Recent Trends in Electronics and Communication (NCR^{2}EC).

24) **Maheswaravenkatesh. P** and Veerasekar.S.N 'Zigbee Based Irrigation System' National Conference on Emerging Trends in Engineering, Management & Computer Applications (EMCA'11 AUT).

25) Usha.A and **Maheswaravenkatesh. P** , 'Implementation of Low Power Selective Scan Chain Architecture for VLSI Testing' National Conference on Signal Processing and Communication NT-SIPCOM'11, March 17th & 18th .

26) **Maheswaravenkatesh. P**,Rekha.v,priyadharsini.v,jaisakthi.b. "speech compression using code excited linear prediction algorithm" in Rajarajeshwari engineering college on 2nd national conference in "emerging trends in engineering and technology"SNCETET-2009 on april 2 -3 ,2009

27) BalaMurugan .K and **Maheswaravenkatesh. P** ," VLSI Implementation of High Speed Routing Filter and CRC Update for Wireless IP over ATM " First National Conference on Recent Advantages in Industrial networking, Noorul Islam College of Engineering ,17th &18th March 2005 ,Kanayakumari.

28) Mohamed Sajid and **Maheswaravenkatesh. P** "Monitoring and Optimizing Industrial Process using RTOS" National Conference on Computational Intelligence in Computer and Communication "NCCICC' 05 on 7th &8th April 2005,PET Engineering College ,Vallioor.

➢ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor …etc)

1. Member of External Audit for Anna University Affiliated Colleges.
2. Member of Anna University Affiliation Committee
3. Wireless Personal Communications- **Elseiver (SCIE & Scopus Indexed Anna University)**
4. Journal of Optical Communications -(**Scopus Indexed).**
5. Journal of Applied Science and Engineering, **(ESCI & Scopus Indexed)**
6. International Journal of Engineering Research and Technology **(IJERT)**

(A) Chairperson for conferences / Seminar / Technical symposia:

(B) Guest lectures delivered:

➢ Guest lecturer on "**Deep Learning Based Facial Recognition**" on 03.06.2023 at ECE Department ,P.R Engineering College ,Vallam , Thanjavur.

➢ Delivered a talk "**CHALLENGES IN 5G NETWORK** " on 18.02.21 SPARC SPONSORED Two Weeks WORKSHOP on Recent Trends on Metamaterial Antennas for Wireless Applications and Deep Learning Techniques **15thFebruary 2021 – 26th February 2021 at NIT ,Trichy.**

➢ Expert member for online FDP on "Emerging Trends in Internet of Things(IoT) " 22nd to 26th November 2021 ,Faculty Training Centre,Government College of Technology,Coimbatore - 641 013.

➢ Delivered a talk " **Long Range Wireless Technologies In 3GPP & Non 3GPP**", on 24.06.2020 at Aditya Institute Of Technology And Management (AITAM), Kotturu, Tekkali,Srikakulam Dist.Andhra Pradesh, INDIA.

➢ Served as an Expert member for **"A National Level Technical Symposium MICFA '19** on 26.09.19 to 27.09.19 at University College of Engineering, BIT Campus, Anna University, Trichy.

- Delivered lecturer on "Optical Communication and Networks" on 24.08.2017 at ECE Department ,K. RAMAKRISHNAN College of Technology,Trichy.
- Served as an Expert member for **"TEQIP II Sponsored National Conference on NT-SIPOM'16** on 01.09.16 to 02.09.16 organized by Department of ECE, University College of Engineering, BIT Campus, Tiruchirappalli.

- Served as an Expert member for TEQIP- II Sponsored **"International Conference Electrical Electronics Communication System ICEEECS'16",** on Sep 24-26, 2016.
- Delivered lecture on **" Next Generation Hybrid Networks "** on 05.07.16 at Department of ECE, Sudarsan Polytechnic College, Pudukkottai.
- Served as an Expert member for **"TEQIP II Sponsored National Conference on NT-SIPOM'14** on 15.10.14 to 16.10.14 at University College of Engineering, BIT Campus, Tiruchirappalli.