


A1	Personal Details	
Dr. S.KUMARGANESH		
Professor		
Department of Electronics and Communication Engineering		
Knowledge Institute of Technology, Salem - 637 504. India.		
Ph: 9543391977		
Email id: <a href="mailto:skgece@kiot.ac.in">skgece@kiot.ac.in</a> , <a href="mailto:srisaiskganesh@gmail.com">srisaiskganesh@gmail.com</a>		

A2	<b>Areas of Interest</b>	Image Processing, Signal Processing & Communication
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A3	Subjects Taught		
<b>UG</b>		<b>PG</b>	
Signals and Systems	Microprocessor & Microcontrollers	VLSI Signal Processing	
Optical Communication	Mobile Communication	Computer Architecture & Parallel Processing	
Wireless Communication	Electronic Circuits	Digital Image Processing	
Computer Architecture			
Medical Electronics			

A4	Academic Background			
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D.	Image Processing	Knowledge Institute of Technology, Salem	Anna University	Nov 2018
M.E.	Applied Electronics	Karunya Institute of Technology, Coimbatore	Anna University	May 2004
B.E.	Electronics & Communication Engineering	A M S Engineering College, Namakkal	Madras University	May 2000

A5		Work Experience as on August 2021					
Name of the Institution		Position	From	To			
Knowledge Institute of Technology, Salem		Professor	August 2021	Present			
Siddharth Institute of Engineering & Technology, Chittoor, Andhra Pradesh		Professor	March 2021	July 2021			
Jayalakshmi Institute of Technology, Thoppur, Salem		Professor	Dec 2019	Feb 2021			
Paavai Engineering College Pachal, Namakkal		Lecturer, Assistant Professor Associate Professor Professor	Nov 2005	Nov 2019			
A M S Engineering College Erumapatty, Namakkal		Lecturer	May 2004	Nov 2005			
Priyadharshini Engineering College Vaniyambadi, Vellore		Lecturer	June 2000	May 2002			
<b>Total Experience</b>	20 Years 4 Months	<b>Teaching</b>	20 Years 4 Months	<b>Research</b>	6.0 Years	<b>Administration</b>	-

A6		Research Publications				
Total Number of Publications		International Journal	National Journal	International Conference	National Conference	Total
		26	-	15	5	41
Publications (Journals)						
S.No	Authors	Title of the Article		Name of the Journal	Year, Vol., No. pages	
1.	Thiyaneswaran B <b>Kumarganesh S</b> Martin Sagayam K, <u>Hien Dang</u>	An effective model for the iris regional characteristics and classification using deep learning alex network		IET Image Processing <b>Wiley - SCI</b> <b>Impact Factor: 2.373</b>	2022 <a href="https://doi.org/10.1049/ipr2.12630">https://doi.org/10.1049/ipr2.12630</a>	
2.	T. Senthilkumar <b>S. Kumarganesh</b> P. Sivakumar and K. Periyarselvam	Primitive detection of Alzheimer's disease using neuroimaging: A progression model for Alzheimer's disease: Their applications, benefits, and drawbacks		Journal of Intelligent & Fuzzy Systems <b>IOS Press - SCI</b> <b>Impact Factor: 1.737</b>	2022 43 (4) 4431-4444	
3.	P.Elayaraja, <b>S. Kumarganesh</b> , K. Martin Sagayam, Dang. Hien, & Pomplun. Marc	An efficient approach for detection and classification of cancer regions in cervical images using optimization-based CNN classification approach		Journal of Intelligent & Fuzzy Systems <b>IOS Press – SCI</b> <b>Impact Factor: 1.737</b>	2022 43 (1) 1023-1033	

4.	<b>S.Kumarganesh</b> S. Anthoniraj T.Senthil Kumar P.Elayaraja Josephine Malathi M. Somaskandan Gashaw Bekele	A Novel Analytical Framework is Developed for Wireless Heterogeneous Networks for Video Streaming Applications” Journal of Mathematics	Journal of Mathematics <b>Hindawi – SCI</b> <b>Impact Factor: 1.55</b>	2022 <a href="https://doi.org/10.1155/2022/2100883">https://doi.org/10.1155/2022/2100883</a>
5.	S. Kumarganesh, Muzammil Hussain, H. Shaheen, S. Anthoniraj M. Somaskandan C. Sivakumaran	Segmentation of the human spinal cord using U-Net architecture	International Journal of Medical Engineering and Informatics <b>Scopus</b>	<a href="https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijmei">https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijmei</a>
6.	Thiyaneswaran. B Anguraj K <b>Kumarganesh S</b> Martin Sagayam K Sourav Ghosh	IOT based smart cold chain temperature monitoring and alert system for vaccination container	International Journal of Przegląd Elektrotechniczny <b>Scopus</b>	2022 Vol. 2022(8) pp. 206-208
7.	Sandhya. U Kumar K.N Saranya A. P Jayapal N & <b>Kumarganesh. S</b>	Brain tumor detection and classification with DGMM – RBCNN technique	International Journal of Health Sciences <b>Scopus</b>	2022 Vol. 6(1), pp. 7345 –7361,
8.	Thiyaneswaran. B Anguraj. K Kumarganesh. S Martin Sagayam.K	Development of Deaf and Dumb Aiding Device using Computing Device	Journal of Tianjin University Science and Technology <b>Scopus</b>	2021 Vol:54 (8) pp. 475-493
9.	<b>Kumarganesh.S</b> Thiyaneswaran B, Anguraj K, and Thangaraj K	Early Detection of Melanoma Images using gray level co- occurrence matrix Features and Machine Learning Techniques for Effective Clinical Diagnosis	International Journal of Imaging Systems and technology <b>Wiley – SCI</b> <b>Impact Factor: 2.177</b>	2020 Vol. 31 (2) Page 682 - 694
10.	<b>Kumarganesh.S</b> Suganthi.M	An Enhanced Medical Diagnosis Sustainable System for Brain Tumor Detection and Segmentation using ANFIS Classifier	Current Medical Imaging Reviews <b>Bentham Science- SCI</b> <b>Impact Factor: 1.315</b>	2018 Vol. 14 (2) Page 271 - 279
11.	<b>Kumarganesh.S</b> Suganthi.M	An Efficient Approach for Brain Image (Tissue) Compression Based on the Position of the Brain Tumor	International Journal of Imaging Systems and technology <b>Wiley – SCI</b> <b>Impact Factor: 2.177</b>	2016 Vol.26 (4) pp: 237- 242
12.	<b>Kumarganesh.S</b> Suganthi.M	Efficient Lossless Medical Image Compression Technique For Real World Applications Using JOSE- Encoding	International Journal of Applied Engineering Research <b>Scopus</b>	2015 Vol.4 Pages: 694- 701

13.	<b>Kumarganesh S,</b> Thiyaneswaran B, P Elayaraja, SrinivasanP, Anguraj K	IOT Based Air Quality Measurement and AlertSystem for Steel, Metaland Copper ProcessingIndustries	Materials Today: Proceedings - <b>Elsevier</b> <b>Scopus</b>	2021 <a href="https://doi.org/10.1016/j.matpr.2021.02.696">https://doi.org/10.1016/j.matpr.2021.02.696</a>
14.	<b>Kumarganesh S</b> Thiyaneswaran B P Elayaraja SrinivasanP Anguraj K	Development of Embedded Based Biometric Authenticated Vehicles Ignition System	Materials Today: Proceedings – <b>Elsevier</b> <b>Scopus</b>	2021 <a href="https://doi.org/10.1016/j.matpr.2021.03.632">https://doi.org/10.1016/j.matpr.2021.03.632</a>
15.	<b>S.Kumarganesh,</b> G.Shobia, M.Suganthi	A Review of Different Medical Image Compression Techniques	International Journal of Emerging Technology in Computer Science & Electronics	2015 Vol.18 Issue 2 Pages 158-162
16.	<b>S. Kumarganesh,</b> M.Kavinilavu, M. Suganthi	Multilevel DecompositionBased CT Image Compression Using Discrete Wavelet Transform	International Journal of Applied Engineering Research - <b>Scopus</b>	Volume No. 32 2015
17.	<b>S. Kumarganesh,</b> R.Suganya, M. Suganthi	LS-Based Adaptive Prediction and Edge Directed Prediction for Lossless Compression ofMedical Image	International Journal of Applied Engineering Research – <b>Scopus</b>	Volume No. 32 2015
18.	<b>Kumarganesh.S</b> Suganthi.M	Efficient Medical Dataand Medical Video Compression Using HEVC Standard	International Journal of Advanced Science and Engineering	Vol. 1 No. 3 Pages 27-31 2015
19	<b>S.Kumarganesh</b> P.Ammanni	A Novel Method for BrainTumor Segmentation using Neural Network & BCI	SSRG International Journal ofElectronics and Communication Engineering	Volume 3, Issue 11 Nov 2016, pp. 26-29
20	<b>S.Kumarganesh</b> G.Jayasree	An Efficient MRI Image Compression using ROI	SSRG International Journal ofElectronics and Communication Engineering	Volume 3, Issue 11 Nov 2016, pp. 05-07
21	<b>S.Kumarganesh</b> S.V.Vinoth	Fetal ECG Extractionusing LMS Filter	SSRG International Journal ofElectronics and Communication Engineering	Volume 3, Issue 11 Nov 2016, pp. 44-46
22	<b>S.Kumarganesh</b> G.R.Dhivya	Advanced Image Haze Removal using Denoisingand Dehazing Algorithm with Compression	Journal of Recent Research inEngineering and Technology-	Volume 2, Issue 12 – December 2015, pp. 26-36
23	<b>S.Kumarganesh</b> R.S.Menaka	Realization of Filter Architectures for Approximately Computing DWT UsingResult - Biased Distributed Arithmetic	Journal of Recent Research inEngineering and Technology-	Volume 2, Issue 12 – December 2015, pp. 1-10

24	<b>S.Kumarganesh,</b> S.Gowmi M.Suganthi	ROI Based Medical Image Compression Using SPECK and AAC	International Journal of Emerging Technology in Computer Science & Electronics	Nov 2015 Vol.18 Issue 6 Pages 158-162
25	<b>S.Kumarganesh</b> S.Brindha	Detecting primary, Secondary and Triple JPEG Compression having same Quantization Matrix	International Journal of Communications and Engineering	Volume. No.3, Issue: 01 March 2012.
26	<b>Kumarganesh.S</b> D.Ambika, Suganthi.M	Intensity Diagnosis of Alzheimer's Based onVBM using SPM	International Journal of Communications and Engineering	Volume. No.6, Issue: 01 March 2012.
<b>International Conference</b>				
1.	<b>S. Kumarganesh, K.</b> Saravanan, S. Anthoniraj, T.Senthil Kumar, Martin Sagayam. K	Power Adjustment Algorithm for Higher Throughput in Mobile Ad hoc Networks	International Conference of Computer Sciences and Renewable Energies (ICCSRE 2021)	July 23-24, 2021 at Agadir, Morocco.
2.	<b>S. Kumarganesh,</b> K. Saravanan, S. Anthoniraj, T.Senthil Kumar, Martin Sagayam. K	WMLP: Web-based Multi-Layer protocols for Emergency Data Transmission in Mobile Ad Hoc Network	International Conference of Computer Sciences and Renewable Energies (ICCSRE 2021)	July 23-24, 2021 at Agadir, Morocco.
3.	<b>S.Kumarganesh,</b> M.Suganthi	A Detailed Analysis of Image Denosing and Enhancement for Brain MRI Images	International Conference on Applied Sciences and Technology (ICAST - 2017)	14 <sup>th</sup> and 15 <sup>th</sup> June 2017 Salem
4.	<b>Kumarganesh.S</b> Amsaleka.S, Divya.S, Keerthiga.T, Keerthikaa.M,	An Efficient Approach for Control of EOT Crane Using ZIGBEE	International Conference on Advancements in Science, Engineering, Technology & Management – (ICASETM'17)	25 <sup>th</sup> March 2017.
5.	<b>S.Kumarganesh</b> R.S.Menaka	Realization of 9/7 and 10/18 Filter Architectures for Computing DWT using Result based Distributed Arithmetic	International Conference on Adaptive Technologies for Sustainable Growth (ICATS'16)	13 <sup>th</sup> & 14 <sup>th</sup> May 2016.
6.	<b>S.Kumarganesh</b> R.Suganya	Least Square Adaptive Prediction and Edge Directed Prediction Based	International conference on Electrical, Electronics and Computer Engineering	14 <sup>th</sup> May 2015.

		Lossless Medical Image Compression	(ICEECE-15)	
7.	<b>S.Kumarganesh,</b> S.Pradeep , K.R. Ganeshkumar and M.Suganthi	Lossless Compression of MRI Medical Images using Predictive Coding and Integer based Wavelet Transform	International Conference on Adaptive Technologies for Sustainable Growth (ICATS 2014)	9 <sup>th</sup> and 10 <sup>th</sup> May 2014
8.	<b>S.Kumarganesh,</b> M.Suganthi, S.Little Sheeba	Detection of Digital Image Forgeries by an Combined Approach of Illuminant Color Estimation	International Conference on Emerging Trends in Engineering and Technology (ICETET'14)	24 <sup>th</sup> June 2014
9.	<b>S.Kumarganesh,</b> M.Suganthi S.Pradeep	The VLSI Design for Removing Random Valued Impulse Noise	International Conference on Electronics and Communication Systems (ICECS'14).	18 <sup>th</sup> June 2014
10.	<b>S.Kumarganesh,</b> M.Suganthi Revathi	Classification of Lung BIOPSY on Computer Tomography using Genetic Algorithm	International Conference on Science, Engineering and Management (ICSEM'14).	15 <sup>th</sup> June 2014
11.	<b>S.Kumarganesh</b> P.Ramya M.Suganthi	Enhanced Video Compression using an Efficient Coding	International Conference on Adaptive Technologies for Sustainable Growth (ICATS 2014)	9 <sup>th</sup> and 10 <sup>th</sup> May 2014
12.	<b>S.Kumarganesh</b> V.Daniel Stephen , V.Joel Ebenezer M.Suganthi	Reduction of Power and Delay by Reducing Static Power Consumption in Dynamic Double Tail Comparator	International Conference on Adaptive Technologies for Sustainable Growth (ICATS 2014)	9 <sup>th</sup> and 10 <sup>th</sup> May 2014
13.	<b>S.Kumarganesh</b> T.Little Shiba Sundari, R.Revathi, M.Suganthi	Interframe and Intercolour Correlation Based Color Video Denoising Using LMMSE Filtering	International Conference on Adaptive Technologies for Sustainable Growth (ICATS 2014)	9 <sup>th</sup> and 10 <sup>th</sup> May 2014
14.	<b>S.Kumarganesh,</b> Dhanya, M.Suganthi,	Medical Image Compression using 2D Discrete Wavelet Transform	International Conference on Innovations in Intelligent Instrumentation, Optimization & Signal Processing (ICI IOS-2013)	1 <sup>st</sup> and 2 <sup>nd</sup> March 2013
15.	<b>Kumarganesh.S</b> Suganthi.M	Denoising Content-Aware Liquid Resizing with High Compression for Portable Devices	International Conference on Computer Science and Information Technology	17th Feb, 2013
<b>National Conference</b>				
1	<b>Kumarganesh.S</b> S.Vijyakumar	VLSI Implementation of Discrete Wavelet Transform for Image Compression	IEEE and IETE sponsored National conference	
2	<b>Kumarganesh.S</b> A.Immanuvel	Implementation of channel Estimation in MIMO System	National conference	

3	<b>Kumarganesh.S</b> S.Vijyakumar	Finger Print Image Compression using Evolved Wavelets	National conference	
4	<b>Kumarganesh.S</b> R.Mohanapriya	GSM Overview and Call Routing	National conference	
5	<b>Kumarganesh.S</b> S.Vijyakumar	Compression of ECG signal using JPEG 2000	National conference	

<b>A7</b>	<b>Memberships in Professional Bodies</b>
<b>S.No.</b>	<b>Name of the Professional Body</b>
1	Indian Society for Technical Education ( <b>ISTE</b> ) – Lifetime Member - LM65074
2	International Association of Engineers ( <b>IAENG</b> ) (Life member -248306).
3	Institute for Engineering Research Publications ( <b>IFERP</b> ) (PM65470138).
4	Teaching and Education Research Association ( <b>TERA</b> ) (Life member-M19232)
5	Computer Science Teachers Association ( <b>CSTA</b> ) – 983457935
6	The Society of Digital Information and Wireless Communications ( <b>SDIWC</b> ) - <b>30565</b>

<b>A8</b>	<b>Programs Organized</b>
1.	MHRD & ISTE Sponsored Two Weeks workshop on “ <b>Signals and Systems</b> ” on 2 <sup>nd</sup> January to 12 <sup>th</sup> January 2014 in association with IIT Kharagpur
2.	ICMR Sponsored Workshop Organized as Convener / Coordinator on “ <b>Awareness about Safety of Human Health amongst Natural Environment</b> ” on 23 <sup>rd</sup> & 24 <sup>th</sup> June 2017.
3.	National Level Technical Symposium “ <b>VIBRANTZ</b> ”
4.	National Level Technical Symposium “ <b>TECHFINIX</b> ”
5	International Conference on Adaptive Technologies for Sustainable Growth

<b>A9</b>	<b>Consultancy Works</b>
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<b>A10</b>	<b>Highlights of Major Contributions</b>
1.	Board of Studies (BoS) Member for setting up curricula and syllabus at Paavai Engineering College (Autonomous) since 2015.
2.	Association Coordinator for the department
3.	Coordinator for the research proposals submitted to the various funding agencies (2014-2015, 2015-2016, 2016-2017, 2017-2018 )
4.	Coordinating the NAAC and NBA Accreditation
5.	Coordinator for Major activities in Annual Day and Graduation Day (2010 - 2018)
6.	Coordinator for the ELECTRONICS Club
7.	Department placement coordinator and trained the students to place in various eminent organizations.

<b>A11</b>	<b>Training Programmes Attended</b>
1.	AICTE sponsored Two weeks online FDP on Emerging Trends and Challenges in VLSI Mixed-Signal Processing for Fourth Industrial Revolution. Organized by Department of ECE, Kongunadu College of Engineering and Technology, Trichy from 12.04.2021 to 24.04.2021.
2.	AICTE sponsored Two weeks online FDP on Emerging Trends In Advanced Signal & Image Processing organized by Malla Reddy Engineering College for Women during 19th to 24th April, 2021
3.	One day Webinar on Using AI / ML to improve customer Experience organized by Department of EEE, Kanpur Institute of Technology, Kanpur on 16/04/2021
4.	One day Webinar on Recent Trends and Scope in Microcontrollers organized by Department of ECE, Gojan School of Business and Technology, Chennai on 27/03/2021
5.	One day Webinar on Application of Microwaves in the COVID-19 organized by Department of ECE, Siddharth Institute of Engineering & Technology, Puttur on 7/6/2021
6.	National Level AICTE Sponsored Six Days Short Term Training Program on “Research Challenges and Applications of Internet of Things (IoT) in Smart Agriculture” organized by Department of Electronics and Communication Engineering, Kongunadu College of Engineering & Technology, Trichy on 17 <sup>th</sup> November to 22 <sup>nd</sup> November 2020.
7.	National Level Webinar on “Electrocardiography – its Importance in Clinical Diagnosis organized by Department of Biomedical Engineering, Jerusalem College of Engineering, Chennai on 10 <sup>th</sup> May 2020.
8.	National Level Webinar on “Deep Learning for Computer Vision” organized by Sri Venkateswaraa College of Technology, Chennai on 27 <sup>th</sup> May 2020.
9.	National Level Webinar on “The power of communicating effectively for successful career and life” organized by Department of Mathematics, Kumaraguru College of Liberal Arts and Science, Coimbatore on 30 <sup>th</sup> May 2020.
10.	Attended National Level Webinar on “Future of Cyber Security, Cyber Crimes, Unsocial Media and Artificial Intelligence” organized by Bhagwan Mahavir College of Computer Application, Surat on 3 <sup>rd</sup> June 2020.
11.	National Level Webinar on “Industry 4.0” organized by Chennai Institute of Technology, Chennai on 4 <sup>th</sup> June 2020.
12.	National Level Webinar on “Recent Trends in Wireless Communication” organized by Department of Electronics and Telecommunication, R.C Patel Institute of Technology, Shirpur on 7 <sup>th</sup> June 2020.



13.	One day Regional Orientation Session on IIC 2.0 and ARIIA 2020 organized by MHRD's Innovation Cell held at Kumaraguru College of Technology, Coimbatore, Tamilnadu, India on 29 <sup>th</sup> July 2019.
14.	Two weeks Faculty Development Program for the Entrepreneurship Development sponsored by NSTEDB & Department of Science and Technology held at Lead College of Management Palakkad, Kerala, India during the period between 5 <sup>th</sup> March 2018 and 17 <sup>th</sup> March 2018.
15.	CSIR sponsored one day national level workshop on Applications of Mathematical Modelling and Simulation in Engineering Problems held at Muthayammal Engineering College Rasipuram, , Tamilnadu, India on 31 <sup>st</sup> August 2017.
16.	ISRO & DOS sponsored two days national level seminar on "Emerging Trends in Smart Satellite Technology & its Applications" held at M.P.Nachimuthu M.Jaganathan Engineering College, Erode, Tamilnadu, India during 30 <sup>th</sup> and 31 <sup>st</sup> January 2017.
17.	Engineering Staff College of India (ESCI) & Institution of Engineers (IE) sponsored two days Workshop on "Embedded Systems" held at Paavai Engineering College, Namakkal, Tamilnadu, India during 29 <sup>th</sup> and 30 January 2015.
18.	Engineering Staff College of India (ESCI) sponsored one day "Trainer program in NSDC STAR Telecom / Retail Sector" held at Engineering Staff College of India (ESCI), Gachibowli, Hyderabad, India on January 2014.
19.	MHRD and ISTE sponsored one week Coordinators Workshop on "Signals & Systems" conducted by <b>Indian Institute of Technology Kharagpur, India</b> from 30 <sup>th</sup> September to 4 <sup>th</sup> October 2013.
20.	DRDO sponsored one day national level seminar on "Artificial Intelligence in Video Image Processing for Warfare Applications" held at Paavai Engineering College, Namakkal, Tamilnadu, India on 25 <sup>th</sup> February 2013.
21.	AICTE sponsored two days national level seminar on "Intellectual Key for Engineering Applications using Embedded Systems" conducted by Knowledge Institute of Technology, Salem, Tamilnadu, India during 25 <sup>th</sup> & 26 <sup>th</sup> October 2013.
22.	AICTE sponsored two weeks national level Faculty Development Programme on "Advances in Medical Imaging using Computational Intelligence" conducted by Knowledge Institute of Technology, Salem, Tamilnadu, India during 26 <sup>th</sup> August to 7 <sup>th</sup> September 2013.
23.	AICTE sponsored two days national level seminar on "Applications of Wavelet Transform In Medical Image Processing" conducted by Mahendra College of Engineering, Salem, Tamilnadu, India on 21 <sup>st</sup> & 22 <sup>nd</sup> February 2013.
24.	One day workshop on "Recent Advancements in Information and Communication Engineering" conducted by SS Research Forum Salem, Tamilnadu, India on 24 <sup>th</sup> June 2012
25.	One day workshop on "Research Opportunities In Digital Image processing In Today's Scenario" conducted by Sona College of Technology Salem, Tamilnadu, India on 9 <sup>th</sup> March 2012.
26.	IEEE MAS sponsored two days national level workshop on "Research Challenges in Signal Processing" conducted by Knowledge Institute of Technology, Salem, Tamilnadu, India on 3 <sup>rd</sup> & 4 <sup>th</sup> August 2012.
27.	One day national level workshop on "Recent Advancements In Information and Communication Engineering" held at Paavai Engineering College, Namakkal, Tamilnadu, India on 25 <sup>th</sup> February 2012.
28.	One day national level seminar on "Recent Advances in Optical Communication" held at Vickram College of Engineering, Madurai, Tamilnadu, India on 23 <sup>rd</sup> January 2009.
29.	One day national level workshop on "Latest Measurement Techniques In RF & Microwave Engineering" held at Vellalar College of Engineering and Technology, Erode, Tamilnadu, India on 13 <sup>th</sup> March 2008.
30.	AICTE & ISTE sponsored one week Short – Term Training programme on Advances in Optical Fiber Technology & Networks" held at National Engineering College, Kovilpatti, Tamilnadu, India during 26 <sup>th</sup> May to 30 <sup>th</sup> May 2008.

31.	TEQIP sponsored three days national level workshop on “Research Approaches & Research Strategy” held at Government College of Engineering, Salem, Tamilnadu, India during 28 <sup>th</sup> May to 30 <sup>th</sup> May 2007.
32.	AICTE sponsored three days National Level Seminar on “Optical Networking” held at Sri Manakula Vinayagar Engineering College, Puducherry, India during 26 <sup>th</sup> July to 28 <sup>th</sup> July 2007.
33.	One day workshop on “Computer Networks Laboratory” held at KSR College of Engineering, Tiruchengode, Tamilnadu, India on 18 <sup>th</sup> October 2006.

A12	Special Lectures Presented
1.	A talk on “ <b>Overview of Optical Communication</b> ” at, Paavai College of Engineering, Namakkal on 7 <sup>th</sup> September 2018.
2.	A talk on “ <b>Importance of Optical Communication</b> ” at, Jayalakshmi Institute of Technology, Dharmapuri on 6 <sup>th</sup> June 2018.
3.	A talk on “ <b>Mobile Communication</b> ” at, Paavai College of Engineering, Namakkal on 24 <sup>th</sup> January 2018.
4.	A talk on “ <b>Recent Trends in Wireless Communication</b> ” at Paavai College of Technology, Namakkal on 3 <sup>rd</sup> February 2017
5.	A talk on “ <b>Optical Source – LED &amp; LASER</b> ” at Paavai College of Engineering, Namakkal 28 <sup>th</sup> June 2017.

A13	Awards
1	<b>Produced 100% Results</b> (Anna University Examinations) Optical Communication and awarded by Gold Coin with certificates. 3 times (2007, 2009 & 2010)
2	<b>Produced 100% Results</b> (Anna University Examinations) Mobile Communication and awarded by Gold Coin with certificates. 4 times (2007, 2008, 2009 & 2010)

A14	Patent Published
1	Design and Implementation of Intelligent Parking System using IoT ( <b>Patent No: 202141037285</b> ) filed on <b>17.08.2021</b>
2	Design and Development of Isolated Health Care System using IoT ( <b>Patent No: 202141019012</b> ) published on <b>30.04.2021</b> .
3	Embedded based hand writing device to reach a product while shopping in a departmental store ( <b>Patent No: 202141005360</b> ) published on <b>12.02.2021</b> .
4	IoT based Smart Wearable child and Women’s Safety Device ( <b>Patent No: 202041049152</b> ) published on <b>13.11.2020</b> .
5	IoT Based Proactive Surveillance to identify real time theft. ( <b>Patent No: 202041047140</b> ) published on <b>06.11.2020</b> .