

## BIO DATA

Name : Dr.S.Vimal  
Designation : Assistant Professor (Senior Grade)  
Department : Information Technology  
Address for Communication : Assistant Professor(SG) / IT  
National Engineering College  
K.R.Nagar,Kovilpatti  
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### 1. Personal Details :

Date of Birth & Age : 28.05.1984 & 35  
Sex & Marital Status : Male & Married  
Nationality : Indian  
**Qualification** : B.Tech(IT), M.B.A.,(M.E., Ph.D)

Degree	Programme and Specialization	Class /CGPA	Month & Year of Passing	Institute/University
B.Tech	Information Technology	First	May 2005	Jayaram Coll.of.Engg & Tech,Trichy / Anna University Chennai
M.B.A	Systems	First	Sep 2008	Alagappa University
M.E	Computer & Communication	FWD	June 2011	Mahendra Engg.College,Salem / Anna University of Technology-Kovai
Ph.D *	Information and Communication Engineering	-	Aug 2019	Anna University Chennai

### Professional Experience :

Designation	Institution/ Organisation	Period	Nature of Duties
Lecturer	M.P.N.M.J.Engg college, Erode	31.06.2005 to 31.11.2008	Teaching
Lecturer	SCAD College of Engg & Tech ,Tirunelveli	15.12.2008 to 21.09.2009	Teaching
Assistant Professor	National Engineering college,Kovilpatti	06.06.2011 to 30.07.2016	Teaching
Assistant Professor (Senior Grade)	National Engineering college,Kovilpatti	01.08.2016 to Till Date	Teaching

Date of joining in Present Institution : 06.06.2011  
Present status : Assistant Professor (SeniorGrade)

### Courses taught:

Course Title	U.G. or P.G.
1.ComputerNetworks,TCP /IP design, 2.Network programming and management, 3.Analytic computing. 4.System software, 5.Distributed Systems, 6.Mobile computing, 7.Graphics & multimedia, 8.Embedded Systems	U.G

9.Cryptography & network security 10.Data Analytics	
1.Soft Computing 2. Mobile computing 3. Embedded system design. 4.Wireless Networks 5.Big data 6.Vulnerability Assessment 7.Big data Security	P.G

## 2. Academic Achievements

### 2.1 Funded Project attempted:

Sl.No	Name of the Organization	Title of the Project	Role of Investigator	Status
1.	DST(SERB), New Delhi	Development of Secured Automatic Polling System for Electronic Voting Machine(SAPS-EVM)	Co-Investigator	Not Sanctioned
2.	NABARD Department of Economic Analysis & Research	Novel Decision Making Analytic pattern for Precision Agriculture and Prediction of Agriculture Data for Future Generation	Co-Investigator	Not Sanctioned
3.	DST(SERB)-EMR New Delhi	Bigdata Management Framework for Smart City development in southern districts of Tamilnadu	Co-Investigator	Not Sanctioned
4.	DST(SERB)-EMR New Delhi	Development of Big Data Analytics framework for heart disease prediction using machine learning techniques	Co-Investigator	Not Sanctioned

### 2.2 Funded Short term Courses / Seminars / Conference/ Workshops organized:

S.No	Programme	Dates	Responsibility
1	DBT, New Delhi sponsored workshop "Research & Pragmatic Issues of Cloud Computing Genomic Analysis in bioinformatics Applications" (seminar)	14.03.2013 & 15.03.2013	Coordinator
2	Android Training Programme	Seven Days Programme	Coordinator
3	DST, New Delhi sponsored Entrepreneur Awareness Camp	22.01.2014 To 24.01.2014	Coordinator
4	Anna university, Chennai sponsored FDTP "IT2401-Service Oriented Architecture"	09.06.2014 To 15.06.2014 ( 7 Days )	Coordinator
5	DST, New Delhi sponsored Entrepreneur Awareness Camp	19.01.2015 To 21.01.2015	Coordinator
6	DBT, New Delhi sponsored "Research Approaches and Contemporary Issues of Functional Genomics, Proteomics & Micro array biological Modeling using machine learning in	13.11.2014 & 14.11.2014	Coordinator

	Bioinformatics Applications.”		
7	Anna university, Chennai approved FDTP “IT6503-Web Programming”	06.06.2016 To 12.06.2016 ( 7 Days )	Coordinator
8	AICTE,New Delhi Sponsored Data science research and bigdata analytics	11.12.2017 to 23.12.2017	Coordinator
9	Anna University Chennai Sponsored ,FDTP - GE8151- PROBLEM SOLVING AND PYTHON PROGRAMMING	04.06.2018 to 11.06.2018	Coordinator

### 2.3 Short term Courses / Seminars / Conference/ Workshops Attended:

Sno	Title	Programme	Date	Venue
1.	Soft Computing-New Trends, Research Issues & Applications (WSC'09)	National Level Workshop	March 19 & 20	Anna University Tirunelveli, Tirunelveli
2.	Parallel and Cloud Computing.	National Level Workshop	February 25 <sup>th</sup>	VIT University, Chennai.
3.	Outcome Based education & Accreditation Process	Intracollegiate Workshop	January 26 <sup>th</sup>	NEC, Kovilpatti
4.	Workshop on NS2	National Level Workshop	04.10.2013 & 05.10.2013	NEC, Kovilpatti
5.	Workshop on 4G Wireless Technology	National Level Workshop	20.02.2014 & 21.02.2014	Anna University, MIT Campus, Chrompet, Chennai
6.	Workshop on quality education and research	Intracollegiate Workshop	06.09.2014	IQAC cell NEC, Kovilpatti
7.	Empowering Indian Engineering Eduaction For Global Expectations	National 17 <sup>th</sup> ISTE TN&P Section Annual Convention For Faculty	07.11.2014 & 08.11.2014	ISTE NEC, Kovilpatti
8.	NPTEL Workshop Sponsored by MHRD,Newdelhi	Intracollegiate Workshop	13.03.2015	CENTRAL Library NEC
9.	Embedded Networking EMNETS 08	National Level Seminar	February 11 <sup>th</sup> 2008	Vellammal college of engineering & technology, Madurai
10.	Soft Computing Techniques for industrial Automation	CSIR sponsored National Level Seminar	February 15 & 16 2008	Kongu engineering college, Erode
11.	Mathematical Modeling and Scientific Computation.	NBHM Sponsored National Level Seminar	August 30 & 31 2012	Kongu engineering college, Erode.
12.	Media Security:A set theoretic Framework for Data Hiding	Technical Seminar	August 29,2012	National Engineering college, Kovilpatti
13.	Research Issues in Soft Computing techniques for Nuclear Energy Systems	DAE-BRNS Sponsored National Level Seminar	September 28 & 29,2012	National Engineering college, Kovilpatti
14.	Research Issues and challenges in Cloud Computing- A Critical Perspective	Guest Lecture	1 <sup>st</sup> February 2013	National Engineering college, Kovilpatti

15.	Research & Pragmatic Issues of Cloud Computing Genomic Analysis in bioinformatics Applications	DBT Sponsored Seminar	14 <sup>th</sup> & 15 <sup>th</sup> March 2013	National Engineering college, Kovilpatti
16.	Language based Formal methods and Verification techniques for Security	DRDO sponsored Seminar	2 <sup>nd</sup> & 3 <sup>rd</sup> August 2013	National Engineering college, Kovilpatti
17.	Workshop on 4G Wireless Technology	National Level Workshop	20.02.2014 & 21.02.2014	Anna University, MIT Campus, Chrompet, Chennai
18.	Workshop on quality education and research	Intracollegiate Workshop	06.09.2014	IQAC cell NEC, Kovilpatti
19.	Empowering Indian Engineering Education For Global Expectations	National 17 <sup>th</sup> ISTE TN&P Section Annual Convention For Faculty	07.11.2014 & 08.11.2014	ISTE NEC, Kovilpatti
20.	Mobile Application development Using Android:A Next Generation technique	IEEE Madras section Sponsored "Faculty development Programme"	14 <sup>th</sup> & 15 <sup>th</sup> November	National engineering college, Kovilpatti
21.	NPTEL Workshop Sponsored by MHRD, Newdelhi	Intracollegiate Workshop	13.03.2015	National engineering college, Kovilpatti
22.	Hands on training in NS2	National Level Workshop	05.08.2015 to 07.08.2015	Department of ECE, NEC, Kovilpatti
23.	DST(ICPS) Sponsored National workshop on Data Science Research	National Level Workshop	Nov 30 to Dec 02, 2016.	VIT University - Chennai Campus Chennai
24.	QIP sponsored workshop "Tools for Cyber security-A laboratory course"	National Level Workshop	May 22-6, 2017	IIT Bombay, Mumbai
25.	Technology Enabled learning by NITTR chennai	Intracollegiate Workshop	May 28-29, 2017	National engineering college, Kovilpatti

### 3 Expert Lectures Delivered :

<i>Sl.No</i>	<i>Title</i>	<i>Place</i>	<i>Programme</i>	<i>Date</i>
1.	Emerging Trends in Neural Cryptography	Dr.Nagaratnam's College of Engineering, Namakkal	Technical Seminar	23.03.2013
2.	Entrepreneurship Awareness Camp (TBI in India)	National Engineering college.K.R.Nagar, Kovilpatti	DST(NSTEB) Sponsored camp	22.01.2014 to 24.01.2014
3.	IT2401-Service Oriented Architecture <b>Topic:</b> Developing Components Using EJB	National Engineering college.K.R.Nagar, Kovilpatti	Anna University Chennai Sponsored FDTP	11.06.2014
4.	Android & its applications	National Engineering college.K.R.Nagar, Kovilpatti	Workshop-IEEE student branch	02.08.2014
5.	Android Application Development	Jayaraj Annapackiam CSI college of Engineering, Nazareth	National Level Workshop	09.10.2014

6.	Entrepreneurship Awareness Camp (R&D Labs and TBI in India)	National Engineering college.K.R.Nagar, Kovilpatti	DST(NSTEB) Sponsored camp	19.01.2015 to 21.01.2015
7.	Anna University Chennai Approved FDTP	National Engineering college.K.R.Nagar, Kovilpatti	IT 6503 –Web Programming <b>Topic:</b> Cascading style sheet, CSS3 & Website creation	07.06.2016
8.	EMC <sup>2</sup> Academic Alliance Workshop	National Engineering college.K.R.Nagar, Kovilpatti	workshop on “Data Science and Big Data Analytics” <b>Topic:</b> <ul style="list-style-type: none"> <li>• Introduction to Hadoop and mapreduce</li> <li>• Regression analysis using R</li> </ul>	11.08.2017
9.	IIT –Bombay spoken Tutorial Workshop	National Engineering college.K.R.Nagar, Kovilpatti	Net beans	17.08.2017

#### 4 Publications

##### I. JOURNAL PUBLICATIONS

Sno	Title of the paper	Journal	Name of the Journal	Volume,Pages Year
1.	Modernize State Scheduling for deliberating network delay consistence in DVE using SSA for propogated networks.	International	Technology World	Page: 15-30 & Volume:03 Issue:02 <b>ISSN: 2180-1614</b> June 2011
2.	A Perspective approach of secure and accurate M-Dalgorith - Pattern Discovery in Sequence dataset.	International	International Journal Of Emerging Technologies & Applications in Engineering, Technology & Sciences.	Page: 38-43 & Volume:05 Issue:02 <b>ISSN: 0974-3588</b> July –Dec 2012
3.	The Efficient M-D algorithm - Pattern Discovery in Sequence dataset.	International	TANTECH - International Journal of Engineering and Technology in Tanzania.	Volume:01 No:1 Issue:02 <b>ISSN : 1821 6072</b> June 2012
4.	Analysis of WPA in 802.11 Wireless Networks for Security.	International	International Journal of Networking & communication Engineering.	Volume:04, Issue No:12, Page No:743-747 <b>ISSN : 0974 9713</b> August 2012
5.	Blocking Probability Reduction in WDM Networks Using ConvertibleWavelength AssignmentTechniques.	International	International Journal of Networking & communication Engineering.	Volume:04, Issue No:13, Page No:774-779 <b>ISSN : 0974 – 9713</b>
6.	Analysis of Reliable secure transmission for Unobservable Secure Table Driven Protocol.	International	International Journal of Wireless Communication	Volume:04, Issue No:16 Page No:963-966 <b>ISSN : 0974-9756</b> September 2012

7.	Efficient high performance modified straight line routing for wireless sensor networks	International	Journal of Theoretical and Applied Information technology	Volume:51 Issue No:02 Page No:259-263 <b>ISSN : 1992-8645</b> <b>E-ISSN:1817-3195</b> December 2012
8.	Analysis of Router Packet Forwarding & Prioritisation in Coagulated Network-A Meritorious Approach	National	Journal Of Recent trends in Computer science and Engineering	Volume:01, Issue No:01 Page No:21-27 <b>ISSN :</b> <b>2322-0872</b> June 2013
9.	Development of Modernized state scheduling in DVE using state Space approach	National	Journal Of Recent trends in Computer science and Engineering	Volume:01, Issue No:01 Page No:06-13 <b>ISSN :</b> <b>2322-0872</b> January-June 2013
10	Secure data packet transmission in Manet using enhanced identity-Based cryptography(eibc)	International	International Journal of New technologies in science and engineering	Volume:03 Issue:12 Page no:35-41 ISSN : 2349-0780 2016
11	Energy Efficient Routing protocol using Grover's Searching algorithm using MANET	International	Asian Journal of Information Technology	Volume:15 Issue:24 Page no:4986-4994 ISSN:1682-3915 Dec 2016
12	Collaborative approach on mitigating Spectrum Sensing Data Hijack attack and Dynamicspectrum allocation based on CASG modeling in wireless cognitive radio networks	International	Cluster Computing The Journal of Networks, Software Tools and Applications (Springer Publications) SCI INDEXED	<b>DOI:</b> 10.1007/s10586-017-1092-0  Aug 2017
13	Optimization using Artificial Bee Colony based clustering approach for big data	International	Cluster Computing The Journal of Networks, Software Tools and Applications SCI INDEXED  (Springer Publications)	DOI: 10.1007/s10586-017-1571-3. Jan 2018
14	Predictive big data analytic on demonetization data using support vector machine	International	Cluster Computing The Journal of Networks, Software Tools and Applications (Springer Publications) SCI INDEXED	<a href="https://doi.org/10.1007/s10586-018-2384-8">https://doi.org/10.1007/s10586-018-2384-8</a> Feb 2018
15	Mitigation of pue attack using pso in wireless cognitive radio networks	International	International Journal of Research in Engineering Technology  <a href="http://www.engjournal.org/ICASCT03.html">http://www.engjournal.org/ICASCT03.html</a>	May 2018

16	Development of secured data transmission using machine learning based discrete time partial observed markov model and energy optimization in Cognitive radio networks	International	Neural Computing & Applications (Springer Publications) SCI INDEXED  DOI: 10.1007/s00521-018-3788-3.	Oct 2018
17	Development of cloud integrated IOT based intruder detection System	International	Journal of Computational and Theoretical Nanoscience  Scopus Indexed	Nov 2018
18	Artificial Intelligence based attack mitigation Using Stochastic Game Theory Modelling with WQLA in Cognitive Radio Networks	International	Journal of Web Engineering (Rinton Press) SCI indexed	Dec 2018
19	Cervical cancer identification with synthetic minority oversampling technique and pca analysis using random forest classifier	International	Journal of Medical Systems (Springer) SCI indexed	July 2019

## II. INTERNATIONAL CONFERENCE PUBLICATIONS

<i>Sl.No</i>	<i>Title</i>	<i>Place</i>	<i>Programme</i>	<i>Date</i>
1.	Detecting Wireless LAN MAC Address Spoofing.	Erode Sengunthar engineering college, Erode.	ICONS '07	2007
2.	Revolution of Tarp Protocol in Network Security.	Erode Sengunthar engineering college, Erode.	ICONS '07	2007
3.	An Efficient Secured communication using Biometric Based Authentication & Intrusion Detection in Manet.	Maria College of Engg & Tech. Nagercoil.	Emics'12 International Conference on Emerging Trends in Computer & Communication Technologies	2012
4.	A Compatible Survey On Mobile Robot Based Data Collection In Wireless Sensor Networks (Wsn)	Dr.M.G.R University, Chennai	E-Gov'12 International conference on E-Governance & Cloud Computing Services 17 <sup>th</sup> & 18 <sup>th</sup> Oct 2012	17 <sup>th</sup> & 18 <sup>th</sup> Oct 2012

5.	A Meritorious Survey On Implications Existing In Wireless Sensor Attacks And Networks Security Monitoring	Dr.M.G.R University, Chennai	E-Gov'12 International conference on E-Governance & Cloud Computing Services 17 <sup>th</sup> & 18 <sup>th</sup> Oct 2012	17 <sup>th</sup> & 18 <sup>th</sup> Oct 2012
6.	Performance of CE-MSK-OFDM for LONG HAUL OPTICAL TRANSMISSION	Noorul Islam University, Thuckalay, Tamilnadu	IEEE(Electron Devices Society) , CSIR sponsored International conference on Circuit, Power and Computing Technologies 20 <sup>th</sup> & 21 <sup>st</sup> March 2014	20 <sup>th</sup> & 21 <sup>st</sup> March 2014
7.	Defense against Routing towards Primary User attack in Cognitive Radio Networks	Coimbatore Institute of Technology & International Journal for trends in engineering and technology (IJTET)	ICICCE'15- International Conference on innovations in Communcations and Computer Engineering 15 <sup>th</sup> February 2015	15 <sup>th</sup> February 2015
8.	Defense against Routing towards Primary User attack in Cognitive Radio Networks	CSIR-CLRI Indian Society For Education and Environment CAAS Management Research	TCIFES 2015- International Conference on Technological Convergence For Information, Food, Health and Energy Security- 1 & 2 May 2015	2015
9.	Secure Authentication mechanisms to mitigate PUE attacks for mobile Cognitive Radio networks	National Engineering college. K.R.Nagar, Kovilpatti	IEEE,IEEE CSI,IEEE-ITS & BRNS sponsored International Conference on Computing Technologies and Intelligent Data Engineering	Jan 2016
10.	Ubiquitous Home Control And Proctoring System Using Iot And Android	Hindusthan college of engineering and technology, Coimbatore	International Conference on Green, Intelligent Computing and Communication Systems (ICGICCS 2016)	March 2016
11.	Sixth International Conference on Recent trends in Engineering and technology(ICRTET'2016)	Institute of Research in Engineering and Technology, Vishakhapatnam, Andhra Pradesh	Sixth International Conference on Recent trends in Engineering and technology (ICRTET'2016)	Dec 2016



12.	A STOCHASTIC GAME THEORETICAL APPROACH FOR JAMMING ATTACK IN COGNITIVE RADIO NETWORK USING WQLA	Karpagam College of Engineering, Coimbatore	ICMR Sponsored International Conference on Advanced Information and Communication Technology'17 (ICAIC 2017)	24-25 Feb 2017
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### III. NATIONAL CONFERENCE PUBLICATIONS

<i>Sl.No</i>	<i>Title</i>	<i>Place</i>	<i>Programme</i>	<i>Date</i>
01.	Derived Classification in Wireless Network applications	Scad college of engineering & technology, Tirunelveli.	NCCT 08	2008
02.	Enhanced data acquisition using PSOS for realtime applications.	Sasurie college of engineering, Erode.	NCETAC 08	2008
03.	Analyzing PBS and FCFS on a Grid-Computing Environment.	PSN college of engineering & technology, Tirunelveli.	ACICT 09	2009
04.	Analyzing PBS and FCFS on a Grid-Computing Environment.	V.M.K.V university, Salem.	NCCCT 09	2009
05.	Enhancing rummage around Performance in Unstructured P2P Networks Based on Users' Common Interest.	Sasurie college of engineering, Erode.	NACCTR09	2009
06.	Freight Paired for Cellular/WLAN Assimilated Networks.	Anna University Tirunelveli, Tirunelveli.	ENTECH 09	2009
07.	Automatic Robotic Neural Control using System Analysis design.	M.P.Nachimuthu M.Jaganathan engineering college, Erode.	RAME 09	2009
08.	Superior Broad Band Wireless Access Via Wimax Networks.	V.M.K.V University.	NCCCT09	2009
09.	Superior Broad Band Wireless Access Via Wimax Networks.	National College of Engineering	National conference on Emerging IT'S	2009
10.	Image compression using Fuzzy based Spherical Coding in sub Band Wavelet.	Mahendra engineering college, Namakkal.	RETEEICOM 10	2010
11.	Modernize State Scheduling for Improving Consistency in DVE using State Space Approach.	Hindusthan college of engineering & technology, Coimbatore.	NCRCNC11	2011
12	Verge self -Tracking for wireless sensor network	Sri Vidhya college of Engineering & Technology, Virudhunagar	Emerging trends in Computer Engineering & technology ETCET'13	8 <sup>th</sup> March 2013

13	Mobile robot based Data collection in wireless sensor network	Sri Vidhya college of Engineering & Technology, Virudhunagar	Emerging trends in Computer Engineering & technology ETCET'13	8 <sup>th</sup> March 2013
14	Secure Verge self Monitoring using End – End Detection of Wormhole Attack in WSN	Sri Ramakrishna Engineering college, Coimbatore	Second national Conference on Frontiers of computer science and computation technologies- NCFCSCT-2013	12 & 13 April 2013.
15	Mobile robot based Data collection in wireless sensor network	Sri Ramakrishna Engineering college, Coimbatore	Second national Conference on Frontiers of computer science and computation technologies- NCFCSCT-2013	12 & 13 April 2013.
16.	Security Enhancement in Mobile Electronic Payment	PSN college of Engineering and Technology, Melathidiyoor	AICTE sponsored National Seminar on New Frontiers in Data Mining (NLSDM)	20 & 21 April 2014.
17.	Emergency health care tracking system for fall detection using smart phone Technology	Anna university Regional Centre-Tirunelveli	National Level conference on Embedded Systems(NEC '14)	27 & 28 <sup>th</sup> March 2014
18	Belief Propagation based defense mechanism and efficient routing in Cognitive Radio Networks	National Institute of Technology, Trichy	Frontiers in Applied sciences and Computer Technology (Fact'15)- third national conference	March 06 <sup>th</sup> and 07 <sup>th</sup> 2015

### **Book Chapter Published:**

1. An Intelligent Grid Network Based on Cloud Computing Infrastructures, DOI: 10.4018/978-1-5225-9023-1.ch006, IGI GLOBAL PUBLISHER, JUNE 2019
2. Cloud-Based Predictive Maintenance and Machine Monitoring for Intelligent Manufacturing for Automobile Industry, DOI: 10.4018/978-1-5225-9023-1.ch006, IGI GLOBAL PUBLISHER, JUNE 2019.

### **5. Country visited: Nil**

### **6. Reviewer:**

1. Review panel member-Athens journal of Technology and Engineering-ATINER (Athens Institute for Education and Research), Athens, Greece

## **7. Certifications:**

- (i) CCNA certified professional (2009)
- (ii) EMC academic associate, Data science and Big data Analytics (June 2017).
- (iii) Completed NPTEL online certification course
  - (a) 10 hours course on “Introduction to Research” and secured 72% during Jan/Feb 2016
  - (b) 20 hours course on “Strategy: An introduction to Game theory” and secured 45% during Jan/Feb 2016
- (iv) 10 hours course on “Introduction to IOT” and secured 78% during Jul-Oct 2017
- (v) 10 hours course on “Outcome based pedagogic principles for effective teaching” and secured 68% during Jul-Aug 2017.
- (vi) 12 weeks course on “Business Analytics and data mining Modeling using R - Online” and secured 58% during April-May 2018
- (vii) 4 weeks course on “Business Analytics and data mining Modeling using R- Part-2 - Online” and secured 74% during Aug-Sep 2018
- (viii) 8 Week course on “Big data Computing” and secured 75%(Elite with silver) during Apr-May 2019

## **8. Advisory Board member:**

1. ICPSPE 2017, INTERNATIONAL CONFERENCE ON SOFT COMPUTING APPLICATIONS TO POWER SYSTEMS & POWER ELECTRONICS at Sri Chandrasekharendra Saraswathi Visva Mahavidyalaya university, Kanchipuram, Tamilnadu Kanchipuram (12,13 April 2017) <http://icpspe.in/national.php>.

2. 4<sup>th</sup> International conference on Chip, Circuitry, Current, Coding, Combustion and Composites (I7C-2017), at Sri Sairam Engineering College, Anekal, Bangalore, 16<sup>th</sup> -17<sup>th</sup> November 2017. <http://i7c.in/nab.php>

3. International Conference on “ Multidisciplinary Perspectives In Engineering & Technology (ICMPET-2019) held on 24th - 25th May 2019 at Markapur, Andhra Pradesh. ICMPET - 2019 is being organized by Krishna Chaitanya Institute of Technology. <http://icmpet.com/advisory.php>

## **9. Organising committee member:**

1. 2nd World Conference on Applied Science Engineering and Technology (WACET), IFERP, 29th - 30th December, 2016, Goa, India. (<http://wcaset.org/org.php>)

2. Acted as Outreach Committee member in International Conference on Big Data and Data Analytics (ICBDDA-16), IFERP, 16th - 17th December 2016, Sri Chandrasekharendra Saraswathi Visva Mahavidyalaya, Kanchipuram, Tamilnadu Kanchipuram (<http://icbdda.in/ocm.php>)

**3. organizing committee member 6<sup>th</sup> International Conference On Applied Science Engineering And Technology (ICASET-18), organized by IFERP at Pondicherry, India on 29<sup>th</sup> - 30<sup>th</sup> December 2018. <http://www.icaset.in/organizing-committee.php>**

## **10. Special Session Organised in India & Foreign Countries:**

1. 2018 International ECTI Northern Section Conference on Electrical, Electronics, Computer and Telecommunications Engineering (ECTI-NCON). ECTI-NCON 2018 is the first annual international conference organized by the **Northern Section of Electrical Engineering/Electrical, Computer, Telecommunications and Information Technology (ECTI) Association, Thailand**

**Special Session Title: Energy Enhancement and Security in Cognitive radio Networks”**

**Chair:** S.Vimal, Senior Assistant professor, National Engineering College, Kovilpatti, Tamilnadu, India

2. ICASISSET 2019, International Conference on Advanced Scientific Innovation in Science, Engineering and Technology

Bharath Institute of Higher Education and Research in the topic

**“DAECRN’19- Data analytics and security Enhancement with applications of Game theory for Cognitive radio Networks”**( <http://icasiset.com/splsessions.html>) during April 19th and 20th, 2019

**Chair:** S.Vimal, Senior Assistant professor, National Engineering College, Kovilpatti, Tamilnadu, India

3. 2019 IEEE 8th Global Conference on Consumer Electronics (GCCE 2019) during october 15-18,2019 at Senri Life Science Center, 1-4-2, Shin-Senri-Higashi-Machi, **Toyonaka, Osaka,560-0082, Japan**(<http://www.ieee-gcce.org/2019/organized.html>)

OS-DAE: DAECRN'19- Data Analytics and Security Enhancement with Applications of Game Theory for Cognitive Radio Networks during

**Co-Chair:** S.Vimal, Senior Assistant professor, National Engineering College, Kovilpatti, Tamilnadu, India

### **11. Membership:**

- IEEE professional member( 92174623) - **Senior Member**
- ISTE LIFE MEMBER (LM85256)
- IEEE Information Theory Society member( 92174623)
- National book trust life member(BC-274-JSR6DLIC)
- CSTA-ACM annual member(5174395)
- IAENG life member (140752)