

# Curriculum Vitae

## 01. General Information

1. Name : **Dr. P. Kumar**, M.Sc., M.Tech., Ph.D., M.B.A.,
2. Designation : **Associate Professor**
3. Corresponding Address : Centre for Information Technology & Engineering  
Manonmaniam Sundaranar University  
Abishekapatti, Tirunelveli – 627 012  
Tamilnadu, India
4. Residential Address : No.11, Staff Quarters  
Manonmaniam Sundaranar University  
Abishekapatti, Tirunelveli – 627 012  
Tamilnadu, India
5. Mobile No. : 9943365978
6. Email : [kumarcite@gmail.com](mailto:kumarcite@gmail.com) (Personal)  
[kumarcite@msuniv.ac.in](mailto:kumarcite@msuniv.ac.in) (Official)

## 02. Educational Qualification

Qualification	Subject	University	Year	% of marks
<b>Ph.D. ,</b> (Faculty of Engineering)	Information Technology – Computer Science and Engineering	Manonmaniam Sundaranar University, Tirunelveli	2012	Highly Commended
<b>M.Tech.</b> (Faculty of Engineering)	Computer and Information Technology	Manonmaniam Sundaranar University, Tirunelveli	2008	82.11%
<b>M.Sc.</b> (Faculty of Science)	Information Technology	Alagappa University, Karaikudi	2006	59.78%
<b>M.B.A.</b> (Faculty of Management)	System Management	Alagappa University, Karaikudi	2017	60.4%

### 03. Academic / Teaching Experience

Sl. No.	Designation	Organization	Pay Scale	Period	
				From	To
1.	Associate Professor	Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli	UGC Pay Scale	20.12.2021	Till date
2.	Assistant Professor (Stage - 3)		UGC Pay Scale	20.12.2018	19.12.2021
3.	Assistant Professor (Stage - 2)		UGC Pay Scale	20.12.2014	19.12.2018
4.	Assistant Professor (Stage - 1)		UGC Pay Scale	19.12.2009	19.12.2014

### 04. Administrative Experience

SINo	Designation	Organization	Period	
1.	Director, Online Courses (MOOCs)	Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli	01.04.2022	Till Date
2.	Deputy Director, Centre for Research		09.01.2019	23.06.2022
3.	Chief Information Cyber Security Officer (CISO)		04.01.2021	Till Date

### 05. Other Responsibilities held

SINo.	Positions	Nature of Duties	Year
1.	University Representative	University Representative to Periyar Anna Science College, Dharugapuram, for a period of 3 years from 05.02.2021 to 04.02.2023 Ir. dt. 05.02.2021	2021
2.	Subject Expert	Member – Board of Studies for the department of Information Technology (University Department) for a period of three years from 01.08.2018 to 31.07.2021, Ir.dt. 30.01.2019.	2021
3.	Coordinator	Served as Coordinator to conduct the M.Phil. Qualifying Entrance Examination for July 2020 Session (Supplementary) on 31.10.2020, Ir. dt. 24.10.2020.	2020
4.	Coordinator	Served as Coordinator to conduct the interview for M.Phil. & Ph.D., as a part of Qualifying Entrance Examination for July 2020 Session Ir. dt. 03.09.2020.	2020
5.	Coordinator	Served as Coordinator to conduct the M.Phil. & Ph.D., Qualifying Entrance Examination for January 2020 Session held on 25.01.2020, Ir. dt. 21.01.2020	2020
6.	Subject Expert	Subject Expert – of an Inspection Committee to visit Government Arts and Science College (Women), Alangulam, Tenkasi District for verifying the infrastructure facilities, qualification of the staff etc, for granting temporary affiliation held on 30 September 2020, Ir dt. 29.09.2020	2020
7.	Coordinator	Served as Coordinator to conduct the M.Phil. & Ph.D., Qualifying Entrance Examination for July 2019 Session held on 20.03.2019, Ir. dt. 21.02.2019	2019

8.	Coordinator	Served as Coordinator to conduct the M.Phil. & Ph.D., Qualifying Entrance Examination for July 2019 Session (Supplementary) on 10.07.2019, Ir. dt. 21.06.2019.	2019
9.	Coordinator	Served as Member of the Inspection Commission to visit "Vivekananda College, Agasteeswaram, K.K District" to verify the infrastructure facilities and qualification for the teaching staff for granting continuation of affiliation to the existing programmes for the academic year 2019-2020.,	2019
10.	Coordinator	Served as Member of the Inspection Commission to visit "Arignar Anna College, Aralvaymozhi, K. K District" to verify the infrastructure facilities and qualification for the teaching staff for granting continuation of affiliation to the existing programmes for the academic year 2019-2020., Ir. dt. 18.01.2019	2019
11.	Coordinator	Served as a Member Board of Studies in Information Technology meeting conducted on 03.04.2019 at N.G.P. Arts and Science College, Coimbatore	2019
12.	Member	Attended the Board of Studies Meeting of Computer Science U.G. & P.G. scheduled on 05.08.2019 & 06.08.2019 in the Conference Hall of Tamil Nadu State Council for Higher Education, Chennai for the purpose of issuance of equivalence to the courses.	2019
13.	Member	Member of an Inspection Commission to visit Vivekananda College, Agasteeswaram, KK District to verify the infrastructure facilities, faculty members, other facilities submitted for granting continuation of affiliation held on 24.01.2019, Ir.dt. 11.01.2019.	2019
14.	Chairman	Chairman – for DDCE exam paper Valuation (B.C.A. Board), MSU, Ir.dt.04.03.2020.	2019
15.	Member	Attended the Board of Studies Meeting of Computer Science U.G. & P.G. scheduled on 15.10.2019 & 16.10.2019 in the Conference Hall of Tamil Nadu State Council for Higher Education, Chennai for the purpose of issuance of equivalence to the courses.	2019
16.	Coordinator	Served as a Member Board of Studies in Information Technology meeting conducted on 15.11.2019 at N.G.P. Arts and Science College, Coimbatore	2019
17.	Coordinator	Serving as a University Representative to the Einstein College of Arts and Science for the period of two years from 14.02.2019.	2019
18.	Coordinator	Attended the Board of Studies Meeting of Computer Science U.G. & P.G. scheduled on 17.12.2019 in the Conference Hall of Tamil Nadu State Council for Higher Education, Chennai for the purpose of issuance of equivalence to the courses.	2019
19.	Member	Member – Board of Studies meeting of Computer Science (PG) for the purpose of issuance of equivalence at TANSCH, Chennai, held on 05 & 06 August Ir. dt. 02.08.2019	2019

20.	Member	Member – Board of Studies meeting of Computer Science (PG) for the purpose of issuance of equivalence at TANSCH, Chennai, held on 17 December 2019 Ir. dt. 11.12.2019	2019
21.	Coordinator	Served as Coordinator to conduct the M.Phil, & Ph.D., Qualifying Entrance Examination for January 2019 which was scheduled on 24.11.2018 at University Campus.	2018
22.	Coordinator	Served as Coordinator to conduct the M.Phil, & Ph.D., Qualifying Entrance Examination for July 2018 which was scheduled on 18.05.2018 at University Campus.	2018
23.	Coordinator	Served as Coordinator to conduct the M.Phil, & Ph.D., Qualifying Entrance Examination for December 2017 which was scheduled on 27.10.2017 at University Campus.	2017
24.	Representative	Served as University Representative for College Committee meeting (Vivekananda College, Agasteeswaram) for a period of two years from 13.03.2017 to 12.03.2019.	2017
25.	Course Faculty	Serveing as Course Faculty in Computer Science for the course PGDCA, BCA and MCA courses offered through Directorate of Distance and Continuing Education (DDCE), Manonmaniam Sundaranar University, Tirunelveli from 23.10.2017 onwards.	2017
26.	Chairman	Served as a Chairman of the Adhoc Board of Studies for Diploma Courses of Community Colleges & ELP Centres held on 03.01.2017 at University Buildings, Abishekapatti to prepare the syllabus.	2017
27.	Coordinator	Served as the Coodinator for M.Phil. Information Technology from the year 2012 to 2017, during the period I was involved to prepare admission merit list according to the guidelines by the University, conducting board of studies meeting and various academic activities of the course and counselling the weak students.	2017
28.	Coordinator	Served as Coodinator for M.Sc. Cyber Security course from the academic year 2016-17 onwards	2016
29.	Member	Served as a Member of the Board of Studies in Statistics and Information Technology (PG) to prepare Syllabus, Scheme of Examination, Model Question papers etc, held on 06.10.2015 in the MS University buildings, Abishekapatti, Tirunelveli.	2015
30.	Chairman	Served as Chairman of Question Paper Setting in IT, Alagappa University, Karaikudi.	2013
31.	Member	Member of the Board of Studies in Information Technology / Computer Application/Computer Science Board at Sadakathullah Appa College, Rahmath Nagar, Tirunelveli affiliated to Manonmaniam Sundaranar University, Tirunelveli.	2012
32.	Member	Member of the Board of Studies in Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli.	2009
33.	Coordinator	Coordinator / Member - purchase activities for equipment's, consumables and other needs of the department; Effective optimizing of resources utilization. etc. at CITE, MSU.	2002

## 06. Academic Activities / Corporate Role

SINo.	Nature of Duties	Year
1.	Served as examiner to value the PG exam scripts, Alagappa University, Karaikudi for M.Sc. (CS) held on 23.02.2019 to 25.02.2019.	2019
2.	Served as the Question paper setter for B.Sc. IT board, Annamalai University, Chidambaram, Ir. dt. 16.04.2019.	2019
3.	Served as the Question paper setter for MCA board, subjects 1. Software Testing and Quality Assurance and 2. Computer Graphics and Multimedia, Ir. dt. 19.08.2019.	2019
4.	Served as the Question paper setter for MCA board, Anna University, Chennai Ir. dt. 14.11.2019	2019
5.	Served as an Observer to conduct National Eligibility Cum Entrance Test (UG) - 2018 [NEET(UG)-2018] with Mrs. PUSHPAVENI IYAPPAN, (PRINCIPAL) PUSHPALATHA VIDYA MANDIR, Senior Secondary School, Thiyagarajanagar, Tirunelveli – 627 011, Tamilnadu, India held on Sunday, the 6 <sup>th</sup> May, 2018.	2018
6.	Served as Subject Expert to inspect the infrastructure facilities, qualification of the staff etc., for granting continuation of affiliation to the existing programs for the academic year 2018-2019 at Infant Jesus College of Arts & Science for Women, Mulagumoodu, Kanyakumari District held on 04.04.2018.	2018
7.	Served as a Subject Expert to inspect the infrastructure and institutional facilities available in the Department of Information Technology of Sri Ram Nallamani Yadava College of Arts and Science, Kodikurichi for Recognition of the Research Centre held on 15.02.2018.	2018
8.	Participated a meeting on Implementation of Networking of Universities through Cloud Computing and the academic and research conducted by Anna University on 01.12.2016 at the Academic Council Hall of University Buildings, Anna University, Chennai.	2017
9.	Served as an External Examiner for M.Sc. Computer Science Practical Viva Examination during 24.11.2017 & 25.11.2017 in the Department of Computer Science and Engineering, Alagappa University, Karaikudai.	2017
10.	Served as Subject Expert to inspect the infrastructure facilities available for the course Diploma in Information Technology at the St. Luke's Community College, St. Luke's Hospital Campus, Nazareth held on 16.05.2017.	2017
11.	Served as an Observer to conduct National Eligibility Cum Entrance Test (UG) - 2017 [NEET(UG)-2017] with Mr. P. SELVARAJU (PRINCIPAL) KENDRIYA VIDYALAYA NO.1 NARIMEDU, MADURAI, TAMIL NADU-625002 held on Sunday, the 7 <sup>th</sup> May, 2017.	2017
12.	Served as a Member of an Inspection Commission to visit K.R. College of Arts & Science, K.R. Nagar, Kovilpatti for verifying the infrastructure facilities, qualification of the staff etc. for granting permanent/temporary affiliation to the existing courses for the academic year 2017-2018 on 22.03.2017.	2017
13.	Served as Question paper setter for the course Diploma in Information Technology, Directorate of Vocational Education, Manonmaniam Sundaranar University, Tirunelveli held on 20.03.2017.	2017
14.	Served as a University Representative to the Vivakananda College, Agasteeswaram for the period of two years from 13.03.2017 to 12.03.2019.	2017
15.	Served as an External Examiner for M.Sc. Computer Science Practical Examination on 27.11.2016 in the department of Computer Science, Science Campus, Alagappa University, Karaikudi.	2016

16.	Served as a Subject Expert of the Inspection Commission to visit Amrita Educational Trust, Rasipuram, Namakkal District on 10.06.2016.	2016
17.	Served as an External Examiner for M.Sc. Computer Science Project Report evaluation and Viva-voce on 14.06.2016 in the Department of Computer Science and Engineering, Alagappa University, Karaikudai.	2016
18.	Served as an Observer to conduct All India Pre-Medical/Pre-Dental Entrance Test with Ms. SreejaUnnikarishnan (Principal), BharatiaVidyaBhavan School, Bhavan's Hill, Chevayur P.O., Kozhikode (A), Kerala held on Sunday, the 1 <sup>st</sup> May, 2016.	2016
19.	Served as a Member of Subject Expert for granting Guideship to teachers of University Department / Affiliated Colleges held on 05.04.2016 in the MS University Buildings, Tirunelveli.	2016
20.	Served as an External Examiner for MCA <sup>®</sup> / MCA (WEP) practical examination on 02.05.2016 & 03.05.2016 in Department of Computer Science and Engineering, Alagappa University, Karaikudai.	2016
21.	Served as an External Examiner for MCA (Regular / WEDP) Practical Examination on 26.11.2015 & 27.11.2015 the department of Compute Science and Engineering, Alagappa University, Karaikudi.	2015
22.	Served as Subject Expert of the Inspection Commission to visit "Arignar Anna College, Aralvoimozhi" to verify the infrastructure facilities and qualification for the teaching staff for granting further affiliation of the Advanced Diploma in Computer Science course on 16.07.2015.	2015
23.	Served as an External Examiner for M.Sc. Computer Science Practical Examination on 27.11.2014 in the department of Compute Science and Engineering, Alagappa University, Karaikudi.	2014
24.	Served as a script valuing examiner, Alagappa University, Karaikudi for M.Sc. (CS) course during 26.06.2013 to 30.06.2013.	2013
25.	Served as Examiners of PG Degree Examinations of May 2013 at Examination Buildings, M.S. University, Tirunelveli for M.Tech. courses offered at Satellite Centres on 27.05.2013.	2013
26.	Served as a Member Board of Studies in Information Technology & Computer Application (UG) meeting conducted on 25 <sup>th</sup> February 2013 at SadakathullahAppa College, Rahmath Nagar, Tirunelveli.	2013
27.	Served as the Chairman of Question paper setter for UG board, Alagappa University, Karaikudi for B.Sc (IT), B.Sc., Software on 17.01.2013.	2013
28.	Served as an observer / flying squad member for technical collaborative proeveramme course June 2012 exam for technically collaborative programme course examinations during 20.06.2012 to 07.07.2012 at International Business School, Bangalore, Aptech Limited, Bangalore, Ygen Interactive Programme, Bangalore.	2012
29.	Served as the Chairman of Question paper setter board at Alagappa University, Karaikudi for B.Sc. IT, B.Sc. Software during 29.06.2012.	2012
30.	Served as examiner to value the PG exam scripts, Alagappa University, Karaikudi for M.Sc. (CS), M.Sc.(IT) during 11.06.2012 to 18.06.2012.	2012
31.	Served as an Observer to conduct of May 2012 DD & CE examinations, study Centre at SMVB Matric Hr. Sec. School, Villarasampatti, Nail Road, Erode & Tamil Nadu Paramedical Education Foundation, 1/64 New Thillai Nagar, P.N. Pudur, Coimbatore during 15.5.2012 to 21.05.2012.	2012
32.	Served as an Examiner for the valuation of TC answer scripts at MSU campus for M.Sc. / MCA during 20.09.2011 and 21.09.2011.	2011

33.	Served as an Examiner for UG/PG central valuation at Examination Building, M.S.University, Tirunelveli for BCA & MCA during 01.08.2011 to 07.08.2011.	2011
34.	Served as flying squad member for technical collaborative programme course exam for M.S.University, DD & CE courses during 28.06.211 to 02.07.2011.	2011
35.	Served as an Observer to conduct of May 2011 DD & CE examinations, study Centre at Sri Annamalayar College of Paramedical Sciences, 4/556-1, Railway Station Road, Dharmapuri during 15 <sup>th</sup> May 2011 to 21 <sup>st</sup> May 2011.	2011

## 07. Research Supervision

Sl. No.	Reg. No.	Name of Scholar	Year		Title of the Thesis	Status
			From	To		
<b>Under Direct Supervisions</b>						
1.	11724	Godlin Atlas L	2014	2019	Detection of Retinal Hemorrhages in Fundus Images using ANFIS Classifier and various Segmentation Techniques	Awarded
2.	11722	Tamilarasan S	2014	2019	A Novel Approaches towards Spectrum Access and Channel Allocation on Hybrid Cognitive Radio Networks using Game Theory and Fuzzy Models	Awarded
3.	11723	Vijayakumar B	2014	2020	An Effective Approach for Brain Tumor Segmentation and Classification using MRI with Novel Machine Learning Schemes	Awarded
4.	11793	Silambarasan K	2015	2020	Enhancing the Optimization Techniques using Health Care Services in IOT and Cloud	Awarded
5.	11833	Raghavendran S	2015	2021	Exploring Efficient Methods for Leaf Disease Identification and Classification for Security in Cloud Computing through Encryption and Decryption Methods	Awarded
6.	1721412 171010	Anbarasa Kumar A	2017	2020	Preventing Cyberspace Intrusion through Data Analytics	Awarded
7.	1911401 2171001	Udayakumar A	2019	-	Data Analytics for Precision Agriculture	Thesis Submitted
8.	2012401 2172033	Danny Anurisha J	2020	-	A Novel Digitization Approach for Tamil Character Recognition in Palm Leaf Manuscripts using Machine Learning Techniques	Ongoing



9.	2012401 2172032	Dimf G P	2020	-	Estimation of Losses in Power Utilities using Machine Learning	Ongoing
10.	2022704 2171007	Maharajan A	2020	-	Cyber Security Attacks and Defenses for Maritime Industry	Ongoing
<b>Under Co- Supervisions</b>						
11.	11947	Sivasubramanian M	2015	2020	Self-Organizing Map-Based Different Color Image Segmentation with Clustering Algorithms and Saliency Map	Awarded
12.	1723311 5271026	Mohammed Abdul Rahim M	2017	-	A Distributed Search Engine for the Internet of Things	Ongoing
13.	1723401 2271121	Abubacker Siddiq M	2017	-	Industrial Automation using Neural Networks and Stochastic Modeling	Ongoing
14.	1722401 2271140	Peter A	2017	-	Applications of Machine Learning Techniques in Data Mining	Thesis Submitted

#### 08. Doctoral Committee Member

Sl. No.	Name of the Candidate	Name of the Guide	Name of University	Year
1.	Mr. A. Arul Rex	Dr. R. Jemila Rose	Anna University	2021
2.	Mr. H. Ajay Kumar	Dr. A. Lenin Fred	Anna University	2021
3.	Mrs. S. Seethalakshmi	Dr. B. Balakumar	M.S. University	2021
4.	Mrs. G. Gnana Jenifer	Mrs. G. Rajakumar	Anna University	2019
5.	Mr. S. Ramehkumar	Dr. V. Balamurugan	M.S. University	2019
6.	Mrs. S. Fathimuthu Joharah	Dr. S. Kother Mohideen	M.S. University	2018
7.	Ms. K.R. Akhila	Dr. N. Muthukumaran	Anna University	2018
8.	Mr.P.Darwin	Dr.T.Arumuga Maria Devi	M.S. University	2018
9.	Mr.K.S. Saji	Dr.T.Arumuga Maria Devi	M.S. University	2018
10.	Mr.Tamilselvan	Dr.A.Rajarathinam	M.S. University	2018
11.	Ms. S.V. Adhira	Dr.A.Rajarathinam	M.S. University	2018
12.	Mrs. G. Kartika	Dr. M.Edwin Jaya Singh	Anna University	2018
13.	Ms. R.Hepzibai	Dr.T.Arumuga Maria Devi	M S University	2017
14.	Mr. C. Prathap	Dr. S. Siva Ranjani	Anna University	2017
15.	Ms. G. Karthiha	Dr. M. Edwin Jayasingh	Anna University	2017
16.	Mr. N. Mathavan	Dr. S.SivaRanjani	Anna University	2017
17.	Mr.S.SenthilPandi	Dr. R. Velumani	Anna University	2016



18.	Mr. J.H. Ajin	Dr. J. Rajeesh	Anna University	2015
19.	Mr. V. Antony Asir Daniel	Dr. R.Ravi	Anna University	2015
20.	Mr. V. Bibin Christopher	Dr. J. Jasper	Anna University	2015
21.	Mrs. C. Parameswari	Dr. R. Velumani	Anna University	2015
22.	Mr. K.Praghash	Dr. R.Ravi	Anna University	2015
23.	Ms. T.V. Chitra	Dr. E.Arun	Anna University	2015
24.	Ms. Benil T	Dr. J. Jasper	Anna University	2014
25.	Mr. D.DevinaMerin	Dr. J. Rajeesh	Anna University	2014
26.	Ms. R. Jemila Rose	Dr. S. Allwin	Anna University	2013

09. Observer – Subject Expert (Nominated by the Vice-Chancellor) for Ph.D. Public Viva-Voce Examination

SNo	Name of the Candidate	RegNo	Name of the Guide	Status	Year
1.	Mr. R. Ravichakravarthi	7648	Dr. E. Chandra	Ph.D.	2021
2.	Mr. P. Joe Arun Raja	7627	Dr. C. Nelson Kennedy Babu	Ph.D.	2020
3.	Mr. S. Anantha Babu,	7680	Dr. P. Eswaran	Ph.D.	2019
4.	Mr. Sing Vijay	10708	Dr.N.Krishnan	Ph.D.	2019
5.	P. Alagesh Kannan	7657	Dr. E. Ramaraj	Ph.D.	2019
6.	Ms. S. Meenakshi	7715	Dr. A. Murugan	Ph.D.	2019
7.	Mr. J. Chennai Kumaran	7669	Dr. M. Aramudhan	Ph.D.	2019
8.	Mr. M. Robinson Joel	7666	Dr. M.V.Srinath	Ph.D.	2019
9.	Ms. G. Annalakshmi	10512	Dr. S. Ravi	Ph.D.	2019
10.	Mrs.B.M.Gayathri	7691	Dr.C.P.Sumathi	Ph.D.,	2019
11.	Ms. N. Jiji	5152	Dr. T. Mahalakshmi	Ph.D.	2018
12.	Mr. N. Nijil Raj	5153	Dr. T. Mahalakshmi	Ph.D.	2018
13.	Ms. Angela Jennifa Sujana	7773	Dr. T. Revathi	Ph.D.	2018
14.	Mr. M. Masthan	10499	Dr. R. Ravi	Ph.D.	2018
15.	Ms.S.Shridevi	4028	Dr.G.Raju	Ph.D.	2018
16.	Mr.T.Sabhanayagam	7686	Dr.V.PrasannaVenkatesan	Ph.D.	2018
17.	Mr.S.Athinarayanan	7665	M.V.Srinath	Ph.D.	2017
18.	Mr. D. Suresh Raj	5131	Dr. V. MuruliBhaskaran	Ph.D.	2017
19.	Mr. V. Jayakumar	4500	Dr. K. Alagarsamy	Ph.D.	2017
20.	Mr. T.Sivaraman	5889	Dr. E. Karthikeyan	Ph.D.	2017
21.	Ms. R. Chitra	5741	Dr. V.Seenivasagam	Ph.D.	2017

22.	Mr.V.Saravana Kumar	7697	Dr.E.R.Naganathan	Ph.D.	2017
23.	Mr.S.AnanthaSivaprakasam	7295	Dr.E.R.Naganathan	Ph.D.	2017
24.	Ms. V. Poongodi	7656	Dr.Dr.K.Thangadurai	Ph.D.	2017

#### 10. Orientation / Refresher Course Participated

Sl.No.	Particulars	Year
1.	Participate in the <b>Three weeks Refresher Course in “E-Learning and Digital Learning</b> conducted by the Centre for Professional Development in Higher Education, UGC - Human Resource Development Centre, Academic Research Centre Building, Opposite SGTB Khalsa College, Guru Tegh Bahadur Marg, <b>University of Delhi</b> , Delhi – 110007 held from 05 September 2017 to 25 September 2017.	2017
2.	Participated in <b>Four week Orientation Programme “OP-117”</b> conducted by Academic Staff College, <b>Himachal Pradesh University, Shimla</b> – 171 005 held from 25.08.2014 to 20.09.2014 with “A” grade.	2014

#### 11. Details of Seminar/Conference/Workshops/Symposiums etc. Organized / Participated

Sl.No	Particulars	Year
1.	Participated in One-Week short term training programme on “Emerging Technologies” from 19 <sup>th</sup> to 24 <sup>th</sup> December 2022 through online, organized by Department of Computer Science and Engineering (AIML) in association with IEEE Computer Society and IEEE Computational Intelligence Society, Vardhaman College of Engineering, Hyderabad	2022
2.	Participated in the Five days Faculty Development programme on “Recent Advancements in Science & Engineering” held from 26 <sup>th</sup> to 30 <sup>th</sup> December 2022 at Regional College for Education Research and Technology, Jaipur, India	2022
3.	Participated Two days workshop on “Automation of Coding Lab” organized by Bharathiar university, RUSA 2.0 & Rashtriya Uchcharat Shiksha Abhiyan (RUSA), State Project Directorate – Taminadu during 05-09-2022 & 06-09-2022.	2022
4.	Participated One day workshop on "How to do Quality Publications" conducted by the department of Computer Science and Engineering, Aalim Muhammed Salegh College of Engineering on 27.08.2022.	2022
5.	Participated One day workshop on “Intellectual Property Rights” organized by Government of India   Ministry of Science and Technology, Department of Science and Technology (DST) & Tamil Nadu State Council for Science and Technology (TNSCST), Department of Higher Education, Government of Tamil Nadu on 04-08-2022.	2022
6.	Participated Two Week refresher course in “Advanced Research Methodology: Best Practices” organized by Teaching Learning Centre, Ramanujan College, University of Delhi in Collaboration with S.S. Jain Subodh P.G. (Autonomous) College, Jaipur under the aegis of Ministry of Education, PMMMMNMTT, Government of India	2022
7.	Participated in the Five days Faculty Development Programme on “Recent Trends in Cyber Security Domain” organized by Centre for Information Technology and	2021

	Engineering, MSU sponsored by All India Council for Technical Education, AICTE Training and Learning (ATAL) Academy during 05-07-2021 to 09-07-2021	
8.	Participated One Week Faculty Development Programme on “Safety and Hygiene In Online (Cyber) World” organized by Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Government of India during 01.03.2021 to 08.03.2021.	2021
9.	Participated One Week Faculty Development Programme on “Statistical Analysis using SPSS” organized by Centre for Special and Movement Education, Manonmaniam Sundaranar University, sponsored by A scheme under PMMMNMTT (An MHRD project, Govt. of India) during 05.08.2020 to 11.08.2020.	2020
10.	Participated One Week FDP on online medium (Part-I: e-content development using four-quadrant strategy and Part-II: Web-based services) organized by Manonmaniam Sundaranar University sponsored by IIT Bombay (BodhiTree LMS & Google Classroom) during 09 July 2020 to 15 July 2020.	2020
11.	Webinar on “Online Tools for Teachers and Administrators” organized by Centre for Special and Movement Education (School of Education), A scheme under PMMMNMTT (An MHRD project, Govt. of India) held on 27 July 2020.	2020
12.	Participated Inter-University seminar on “Development of Roadmaps of Universities for Realising Chancellor’s Vision 2030 : Innovating Education in the Era of Industry 4.0 organized by Bharathiar University, Coimbatore held on 17 March 2020 To 18 March 2020.	2020
13.	Participated in the One day Workshop on “Science of Yoga” organized by Centre for Special and Movement Education under a scheme Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) (an MHRD project, Govt. of India on 14.09.2019.	2019
14.	Participated 17th Regional Workshop on “Science Writing/Journalism for the Youth” organized by M.T.S. Academy of Mylai Thiruvalluvar Tamizh Sangam, Nehru Yuva Kendra, Ministry of Youth Affairs and Sports, Govt. of India, Tamil Nadu State Council for Science and Technology & MSU during 12.02.2019 & 13.02.2019	2019
15.	Served as an Organizing Member in the Two Days workshop on “Hadoop Fundamental for the Data Analytics” organized by the department of Centre for Information Technology and Engineering, M.S. University, Tirunelveli held on 09.01.2019 & 10.01.2019.	2019
16.	Served as Coordinator for the two days’ workshop on “Web Application Penetration Testing” organized by the department of Centre for Information Technology and Engineering, M.S. University, Tirunelveli held on 06.04.2019 to 07.04.2019.	2019
17.	Served as Coordinator to conduct M.Phil. & Ph.D. Qualifying Entrance Examination for July 2019 Session which is scheduled on 20.03.2019 at 11.00 am. at University Campus, Ir. dt. 21.02.2019.	2019
18.	Served as Coordinator to conduct M.Phil. & Ph.D. Qualifying Entrance Examination (Supplementary) for July 2019 Session which is scheduled on 10.07.2019 at 11.00 am. at University Campus, Ir. dt. 21.06.2019.	2019

19.	Served as Coordinator for the two days' workshop on "Hands-on Training for Application Pentest" organized by the department of Centre for Information Technology and Engg., M. S. University, Tirunelveli held on 20.07.2019 to 21.07.2019.	2019
20.	Participated 17th Regional Workshop on "R Programming and Data Analytics" organized by Institute for Statistical and Analytical Research, Chennai on 31.08.2019 & 01.09.2019.	2019
21.	Attended one day workshop on "Neurophysiological Basis of Human Movement" held at Sundaranar Hall, MSU, Tirunelveli, Tamil Nadu, India organized by Centre for Special and Movement Education, School of Education, A Scheme under Pandit Madan Mohan Malaviya National Mission of Teacher and Teaching (PMMMNMTT) (an MHRD project, Govt. of India) on 21.09.2019	2019
22.	One Day Technical Symposium, SOFTCRAFT-19 Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli held on 26.02.2019	2019
23.	Served as a Organizing Committee for Two days workshop on "Cyber Space and Its Career Path" Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli held on 12.10.2019 and 13.10.2019	2019
24.	Actively Participated in Two days workshop on "Science Writing/Journalism for the Youth" Organized by M.T.S. Academy of Mylai Thiruvalluvar TamizhSangam, Nehru Yuva Kendra, Ministry of Youth Affairs and Sports, Govt. of India, Tamil Nadu State Council for Science and Technology & MSU	2019
25.	Served as a Organizing Committee for Two days workshop on "Web Application Penetration Testing" organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, held on 06.04.2019 and 07.04.2019.	2019
26.	Served as an Organizing Committee for "Hands-on Training for Application Pentest" Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, held on 20.07.2019 and 21.07.2019.	2019
27.	Participated in the Two day Workshop on "R Programming and Data Analytics" Organized by Institute for Statistical and Analytical Research, Chennai. held on 31.08.2019 and 01.09.2019	2019
28.	Participated in the One day Workshop on "Science of Yoga" organized by Centre for Special and Movement Education under a scheme Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) (an MHRD project, Govt. of India) on 14.09.2019.	2019
29.	Participated 17th Regional Workshop on "Science Writing/Journalism for the Youth" organized by M.T.S. Academy of Mylai Thiruvalluvar TamizhSangam, Nehru Yuva Kendra, Ministry of Youth Affairs and Sports, Govt. of India, Tamil Nadu State Council for Science and Technology & MSU during 12.02.2019 & 13.02.2019	2019
30.	Served as an Organizing Member in the Two Days workshop on "Hadoop Fundamental for the Data Analytics" organized by the department of Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli held on 09.01.2019 & 10.01.2019.	2018

31.	Served as Coordinator for the two days' workshop on "Cyber Space and Its Career Path" organized by the department of Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli held on 12.10.2018 to 13.10.2018.	2018
32.	Served as an Organizing Member in the One Day Technical Symposium, SOFTCRAFT-18 organized by the department of Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli on 27 <sup>th</sup> February 2018.	2018
33.	Served as a Organizing Committee for One Day Technical Symposium, SOFTCRAFT-18 Organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli held on 27.02.2018	2018
34.	Participated in the <b>One day National Colloquium on Technology Enabled Learning</b> organized by Manonmaniam Sundaranar University in collaboration with Indian Institute of Technology, Bombay & Ministry of Human Resource Development, New Delhi held on April 19 2018.	2018
35.	Organized Two Days workshop on "Android Apps Development" jointly conducted by Centre for Entrepreneurship Development Career & Counselling Cell in association with Centre for Information Technology and Engineering, Manonmaniam Sundaranar University during 06 & 017, November 2017.	2017
36.	Served as an Organizing Member in the One Day Technical Symposium, SOFTCRAFT-17 organized by the department of Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli on 13 <sup>th</sup> March 2017.	2017
37.	Participated in the <b>One day Orientation Programme for Research Supervisors</b> of Manonmaniam Sundaranar University held at Manonmaniam Sundaranar University, Tirunelveli on 01 <sup>st</sup> November 2017.	2017
38.	Participated in the <b>two days workshop on "Tools and Techniques for Data Analytics</b> organized by the Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli on 28 <sup>th</sup> & 29 <sup>th</sup> August 2017.	2017
39.	Participated in the one day training programme on " <b>Effective Utilization of E-Resources</b> " held on 10 <sup>th</sup> August 2017 at University Library, Manonmaniam Sundaranar University, Tirunelveli.	2017
40.	Participated in the <b>One day Training Programme on High Impact Teaching Skills</b> organized by the Internal Quality Assurance Cell held at the Manonmaniam Sundaranar University, Tirunelveli on 19 <sup>th</sup> July 2017.	2017
41.	Organized Three Days workshop on "Android Mobile Applications Development" conducted by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University during 19-21 October 2016.	2016
42.	Organizing Member & Participated one day special Training Programme on "Skill Developments using Modern Programming Techniques" organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India, during 17 <sup>th</sup> October 2016..	2016
43.	Organizing Member / Participated one day Seminar on "Bigdata Analytics" conducted by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India, during 22 <sup>nd</sup> January 2016.	2016

44.	Participated in the One day National Level workshop on “Art of Writing Bibliography based on Mendeley Reference Manager” organized by PerunthalaivarKamarajar Library, Manonmaniam Sundaranar University, Tirunelveli held on 30 March 2016	2016
45.	Organized one day Seminar on “BIOMEDICAL ENGINEERING TRENDS” conducted by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India during 27th August 2015.	2015
46.	Organizing Member & participated in the Two Days seminar on “Cloud Computing and Soft Skills Development” organized by Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli in association with ICT Academy of Tamilnadu, India held on 9 <sup>th</sup> & 10 <sup>th</sup> February 2015.	2015
47.	Participated two days UGC-SAP sponsored seminar on “Advanced Image Processing Techniques” organized by the Department of Computer Science & Engineering, Manonmaniam Sundaranar University, Tirunelveli held on 30 <sup>th</sup> & 31 <sup>st</sup> March 2015.	2015
48.	Participated in the Faculty Development Series organized by Curriculum Development Cell & Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli, held on 26 <sup>th</sup> September 2014.	2014
49.	Participated in a two-day National Seminar on “Role of ICT in Improving the Quality of Institution” organized by Department of Education (DDCE), M S University sponsored by National Assessment and Accreditation Council (NAAC) held on 30 <sup>th</sup> & 31 <sup>st</sup> July 2014	2014
50.	Participated in the Faculty Development Series II :Effective Coping Skills for Teacher organized by Curriculum Development Cell & Department of Psychology, Manonmaniam Sundaranar University, Tirunelveli, held on 12 <sup>th</sup> March 2014.	2014
51.	Participated in the “Indo-Taiwan Workshop on Cloud Computing and its Application – ITCCA 2013”, organized by C-DAC, Bangalore in association with National Centre for High-performance computing - NAR Labs, Bangalore during 7 & 8 <sup>th</sup> November 2013.	2013
52.	Attended the seminar on “Cloud Computing” jointly organized by IETE –Trivandrum – Nagercoil PAC, District Science Centre – Tirunelveli & Vi Microsystems Pvt Ltd., Chennai on 22 <sup>nd</sup> January 2011 at District Science Centre, Tirunelveli	2011
53.	Attended two week Software Training Programme on “Introduction to Oracle 9i: SQL” organized by Oracle University at Bangalore during May 2009.	2009
54.	Attended the seminar on “Grid Computing with Mathematica” jointly organized by Sierra Atlantic, Hyderabad and Centre for Information Technology and Engineering, Manonmaniam Sundaranar University during 9 <sup>th</sup> January 2007.	2007
55.	Participated in the “Five-Day workshop on Image Processing with IDL programming” conducted by Centre for Information Technology and Engineering during 26 to 30 <sup>th</sup> December, 2007.	2007
56.	Participated in the two day Workshop on “Internet and it’s Applications in Real World” during 5, 6 <sup>th</sup> June 1999 jointly conducted by Pentasoft Technologies Pvt. Ltd., Tirunelveli and District Science Centre, Tirunelveli and MAHITI, Bangalore.	1999

12. Research Publications (National / International Journals / Conferences )

SINo	Title	Year
[1].	Parasuraman Kumar, Srinivasan Raghavendran, Karunagaran Silambarasan, Kaliaperumal Senthamarai Kannan, Nallaperumal Krishnan “Mobile application using DCDM and cloud-based automatic plant disease detection” <b>Springer</b> – International Journal of Environmental Monitoring and Assessment (2022), ISSN: 1573-2959, Impact Factor - 3.307, <a href="https://doi.org/10.1007/s10661-022-10561-3">https://doi.org/10.1007/s10661-022-10561-3</a> (SCI - Indexed).	2023
[2].	Sivasubramanian Mookiah, Kumar Parasuraman and S. Kumar Chandar “Color image segmentation based on improved sine cosine optimization algorithm” <b>Springer - Journal of Soft Computing</b> (2022) – ISSN: 1432-7643 / 1433-7479. <a href="https://link.springer.com/article/10.1007/s00500-022-07133-5">https://link.springer.com/article/10.1007/s00500-022-07133-5</a> (SCI-Indexed).	2022
[3].	M. Sivasubramanian, J. Vignesh, V. Senthil kumar, S. Sumathi, R. Sathish, Kumar Parasuraman, B Santhosh Kumar, M Kathirvelu, Leena Bojaraj, Srihari K, and Negasi Tsegay Sbhat “An Innovative Solution for Battery Draining in 5G Devices Using Alternate Routing Model” <b>Hindawi</b> - International Transactions on Electrical Energy Systems, ISSN: 2050-7038, <a href="https://doi.org/10.1155/2022/8924801">https://doi.org/10.1155/2022/8924801</a> Impact Factor: 2.639 , (SCI Indexed)	2022
[4].	Parasuraman Kumar, Anandan Udayakumar, Anbarasan Anbarasa Kumar, Kaliaperumal Senthamarai Kannan, Nallaperumal Krishnan “Multiparameter optimization system with DCNN in precision agriculture for advanced irrigation planning and scheduling based on soil moisture estimation” <b>Springer</b> – International Journal of Environmental Monitoring and Assessment (2022), ISSN: 1573-2959, Impact Factor - 3.307, <a href="https://doi.org/10.1007/s10661-022-10529-3">https://doi.org/10.1007/s10661-022-10529-3</a> (SCI - Indexed).	2022
[5].	Kumar Parasuraman, Silambarasan Karunagaran, Raghavendran Srinivasan “NACO predicated Hybrid Model of Internet of Things and Cloud Computing to Manage Immensely colossal Data in Health Accommodations Applications” <b>Springer - Journal of Ambient Intelligence and Humanized Computing</b> (2021) – ISSN: 1868-5145. (SCI-Indexed).	2021
[6].	Kumar Parasuraman, Raghavendran Srinivasan, Silambarasan Karunagaran “A novel technique of leaf disease classification with encryption techniques for secured cloud data service” <b>Springer - Journal of Ambient Intelligence and Humanized Computing</b> (2021) - ISSN:1868-5137. - <a href="https://doi.org/10.1007/s12652-021-02921-7">https://doi.org/10.1007/s12652-021-02921-7</a> . (SCI-Indexed).	2021
[7].	J. Syed Nizamudeen Ahmed, M. Mohamed Sathik, Krishnan Nallaperumal, Senthamarai Kannan Kaliaperumal, Kumar Parasuraman “Deep Learning Techniques on 3D-MRI Lung Images for Detection and Segmentation of Covid-19 Virus” <b>Springer - Journal of Wireless Personal Communications</b> (2021) – Electronic, ISSN: 1572-834X, Print ISSN: 0929-6212, <a href="https://doi.org/10.1007/s11277-021-08782-9">https://doi.org/10.1007/s11277-021-08782-9</a> . (SCI-Indexed).	2021



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[8].	A. Peter, K. Manoj, P. Kumar "Medical Diagnostic System based on Data Mining Classification Techniques", ISSN:1583-6258, Vol.24, Issue 2, 2020, pp. 1257 -1261.	2020
[9].	Arumuga Maria Devi Thanu, Muthukumar Devadoss and Kumar Parasuraman "Analysis of voltage and current magnification in resonant circuits on hyper-spectral signal processing" <i>Measurement and Control</i> (2020), ISSN: 0020-2940 <a href="https://doi.org/10.1177/0020294019877495">https://doi.org/10.1177/0020294019877495</a> , pp. 1-14. (SCI-Indexed).	2020
[10].	Parasuraman Kumar, A. Anbarasa Kumar, C. Sahayakingsly, A. Udayakumar "Analysis of intrusion detection in cyber-attacks using DEEP learning neural networks" <i>Springer - Peer-to-Peer Networking and Applications</i> , (2020), ISSN :1936-6442 <a href="https://doi.org/10.1007/s12083-020-00999-y">https://doi.org/10.1007/s12083-020-00999-y</a> . (SCI-Indexed).	2020
[11].	Kumar Parasuraman, A. Anbarasa Kumar, A. Udayakumar "Deep learning Mechanism for Cyber Security Vulnerability Assessment and Risk Analysis" <i>International Journal of Advanced Science and Technology</i> , Vol29, No.9s, (2020), pp.6501-6509.	2020
[12].	Tamilarasan Santhamurthy, K. Balakrishnan, Kumar P "A detailed Investigation on Resource Destitution and Channel Assignment in Heterogeneous Cognitive Radio Networks" <i>GIS Science Journal</i> , ISSN No.1869-9391, Vo.7, Issue 12, (2020), pp.699-714.	2020
[13].	Parasuraman Kumar, A. Udayakumar, A. Anbarasa Kumar, J. Syed Nizamudeen Ahmed "Big Data Analysis on Sweet Pepper Plant Segmentations Approach for Harvest Robots", <i>Journal of Huazhong University of Science and Technology</i> , ISSN: 1671-4512 (2020), pp. 1-16.	2020
[14].	M.Sivasubramanian, Parasuraman Kumar, M.Sivajothi, "A Novel Segmentation Techniques for Red Blood Cells using Clustering Algorithms", <i>International Journal of Engineering and Advanced Technology (IJEAT)</i> Volume 9, Issue 3, February 2020, ISSN: 2249–8958, pp. 2452-2460 (Scopus).	2020
[15].	Kumar Parasuraman and A. Anbarasa Kumar and A.Udayakumar "Cyber Security and the Advancement of Intrusion Detection Systems" UGC Sponsored International Conference on Recent Trends in Stochastic Modelling and Its applications (ICRTSMA), Department of Statistics, Manonmaniam Sundaranar University, Tamil Nadu, India held on January 09- 11, 2020.	2020
[16].	Kumar Parasuraman, A.Udayakumar and A. Anbarasa Kumar "Prediction for Agricultural Development in India Using Data Analytics" UGC Sponsored - International Conference on Recent Trends in Stochastic Modelling and Its applications (ICRTSMA) Department of Statistics, Manonmaniam Sundaranar University, Tamilnadu, India held on January 09- 11, 2020.	2020
[17].	M.Sivasubramanian, M.Sivajothi, P.Kumar, "An Efficient Color Image Segmentation Using Texture Features and Improved Saliency Map", <i>International Journal of Recent Technology and Engineering (IJRTE)</i> Volume 7, Issue 5S3, February 2019, ISSN: 2277–3878, pp. 52-56 (Scopus).	2019

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[18].	M.Sivasubramanian, M.Sivajothi, P.Kumar, "Remote Sensing Images Segmentation Using Fuzzy C-Means and Edge Detection Methods", Compliance Engineering Journal (CEJ), Volume 10, Issue 8, August 2019, ISSN NO : 0898-3577, pp. 49-57.	2019
[19].	Silambarasan.K, P.Kumar and Raghavendran.S, "Healthcare Service in Cloud and IOT using PSO & ABC Optimization Techniques", Journal of Emerging Technologies and Innovative Research, Vol.6, Issue-1, ISSN-2349-5162, (2019), pp.523-528.	2019
[20].	Parasuraman Kumar & Karunagaran Silambarasan "Enhancing the Performance of Healthcare Service in IoT and Cloud Using Optimized Techniques" <b>IETE Journal of Research (Taylor &amp; Francis)</b> , (2019) ISSN: 0377-2063 (Print) 0974-780X, <a href="https://doi.org/10.1080/03772063.2019.1654934">https://doi.org/10.1080/03772063.2019.1654934</a> , pp. 1-10. (SCI-Indexed).	2019
[21].	Parasuraman Kumar, B. VijayKumar "Brain Tumor MRI Segmentation and Classification using Ensemble Classifier" International Journal of Recent Technology and Engineering, Publisher: Blue Eyes Intelligence Engineering and Sciences Publication, ISSN: 2277-3878, Volume-8, Issue-1S4, (2019) (Scopus), pp. 244-252.	2019
[22].	B.Vijayakumar, Parasuraman Kumar "Dimensionality Reduction of Brain Tumors and Classification using Hybrid Ensemble Classifier" - Journal of Advanced Research in Dynamical and Control Systems, Publisher: Institute of Advanced Scientific Research, Vol. 11, 01-Special Issue (2019) (Scopus), pp.58-71.	2019
[23].	B.Vijayakumar, Parasuraman Kumar "An Effective MRI Brain Tumor Texture based Segmentation and Precise Classification using Ensemble Classifier" Journal of Computational Information Systems, Publisher: ZhongshanDaxueXue/Zhongshan University, 15: 3 (2019), pp. 355-365 (Scopus).	2019
[24].	S. Appavu Alias Balamurugan, Balaji Ganesh Rajagopal, Kumar Parasuraman "A Robust Framework to Detect moving Vehicles in Different Road Conditions in India" Journal of Theoretical and Applied Information Technology (2019), Vol. 96, No.1, pp. 1-14.	2019
[25].	Ragavendran S, P. Kumar, Darwin P "Leaf Disease Classification using SVM Classifier in Cloud" International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN:2278-3075, Vol. 9, Issue-1 (2019), pp. 4145-4149.	2019
[26].	Ragavendran S, P. Kumar, Silambarasan K "Segmentation and Classification of Plant Disease using SVM-PSO in Cloud" International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958, Vol. 9, Issue-1 (2019), pp. 2242-2247.	2019
[27].	S.Manikandasamy, Kumar Parasuraman, A.Anbarasa Kumar "Mobile Application Vulnerability Assessment and Penetration Testing" International Journal of Research and analytical reviews (IJRAR) Volume 6 Issue 2 May 2019, pp 904-908.	2019
[28].	M. Sivasubramanian, P. Kumar, M. Sivajothi "Segmentation of Color Image using SOM Based Fuzzy C-Mean Algorithm and Saliency Map" International Journal of Information and Computing Science, ISSN: 0972-1347, pp. 295-303.	2019

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[29].	S.Tamilarasan, G.Ezra Sastry, P.Kumar "Frequency of Dynamic Spectrum Using Cognitive Radio in Wireless Ad-Hoc Networks", South Asian Journal of Engineering and Technology (SAJET), ISSN : 2454-9614, Vol.2, No.8, pp. 13-18.	2019
[30].	M. Sivasubramanian, P. Kumar, M. Sivajothi "Color Image Segmentation using Discrete Wavelet Transform and Improved Saliency Map" ICTACT Journal on Image and Video Processing, May 2019, Volume: 09, Issue: 04, ISSN: 0976-9102, pp. 2020-2024.	2019
[31].	Kumar Parasuraman and A. Anbarasa Kumar and T.Arumuga Maria Devi "Trends and Challenges of Cyber Security" National Conference Organized by Department of Criminology and Criminal Justice, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India, Organized Crimes in India: Trends and Legal Issues" with special Reference to Human Trafficking.	2019
[32].	Kumar Parasuraman and A. Anbarasa Kumar "Cyber Security: A New Approach of Secure Data Through Attentiveness in Cyber Space" Springer International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ISSN: 2367-4520, ISBN 978-3-030-28363-6 ISBN 978-3-030-28364-3 (eBook), pp. 103–115,	2019
[33].	P. Kumar and S. Raghavendran "Plant Disease Detection System for Agricultural Applications in Cloud Using SVM and PSO", 2018 Proceeding of the Springer International Conference on Computer Networks, Big Data and IoT (ICCB - 2018), DOI: 10.1007/978-3-030-24643-3_99, pp. 850-856.	2019
[34].	K.Silambarasan, P. Kumar, "Healthcare Service in Cloud and Internet of Things Using Cuckoo Search and PSO Optimization Techniques", Journal of Computational and Theoretical Nanoscience, (2018), ISSN 1546-1955, Vol.15, pp.1-5.	2018
[35].	K.Silambarasan, P.Kumar, S.Raghavendran, "Healthcare Applications in IoT and Cloud using CS & ABC Optimization Techniques", International Journal of Pharmaceutical Research, Vol.10 Issue-1, 2018, ISSN: 0975-2366, pp. 17-20.	2018
[36].	Silambarasan.K, P.Kumar and Raghavendran.S, "Healthcare Service in Cloud and IOT using Cuckoo Search PSO & ABC Optimization Techniques", Journal of Computational Information Systems, Vol.14, Issue-6 (2018), ISSN 1553-9105, pp. 70-76.	2018
[37].	Raghavendran.S, P.Kumar, Silambarasan. K, "Plant Disease Detection System for Agricultural Application in Cloud Using CNN", International Journal of Computer Sciences and Engineering, Vol.6, Issue-12, (2018), E-ISSN 2347-2693, pp. 246-249.	2018
[38].	Kumar Parasuraman, A. Anbarasa Kumar "Performance Comparison of Multi class SVM, Support Vector Machine, k-NN and Binary Classification for Intrusion Detection" International Journal of Computer Sciences and Engineering Vol.-6, Issue-8, Aug 2018, pp. 204- 211.	2018
[39].	A. Anbarasa Kumar, Kumar Parasuraman "An Hybrid Intrusion Detection Approach based on SVM Classification and k-NN" International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), 2018, Volume 3, Issue 5, ISSN : 2456-3307, pp 839 – 852.	2018

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[40].	Godlin Atlas L, Kumar Parasuraman, "Automatic Detection of Retinal Hemorrhages by Exploiting Retinal Images Processing by Using Moment Invariants-Based Features" International Journal of Scientific Research in Computer Science, Engineering and Information Technology, © 2018 IJSRCSEIT   Volume 3   Issue 1   ISSN : 2456-3307, pp. 1901 – 1907.	2018
[41].	Godlin Atlas L, Kumar Parasuraman, "Classification and Detection of retinal hemorrhages by Using Moment Invariants and Gray-Level Based Features" International Journal of Scientific Research in Computer Science, Engineering and Information Technology © 2018 IJSRCSEIT   Volume 3   Issue 5   ISSN : 2456-3307, pp. 985-995.	2018
[42].	Godlin Atlas L and Dr. Kumar Parasuraman "Detection of retinal hemorrhage from fundus images using ANFIS classifier and MRG segmentation" Biomedical Research (2018) Volume 29, Issue 7 (2018), Publisher : Scientific Publishers of India, pp.1489-1497, ISSN:0970-938X (Scopus).	2018
[43].	Tamilarasan Santhamurthy, Kumar Parasuraman, "EPBDRA: Efficient Priority Based Dynamic Resource Allocation in Heterogeneous MIMO Cognitive Radio Networks", International Journal of Intelligent Engineering and Systems, ISSN:2185-310XE, Vol.11, No.1, pp.276-285 (Scopus).	2018
[44].	G. Ezra Sastry, S.Tamilarasan, P.Kumar "Dynamic Resource Allocation Based on Priority Scheduling for Heterogeneous Cognitive Radio Networks with Imperfect Channel Sensing" International Journal of Pure and Applied Mathematics, Volume 120, No. 6, (2018) pp. 4467-4476.	2018
[45].	Godlin Atlas L, Kumar Parasuraman "A Novel Schema to Detection of Exudates in Color Fundus Images of the Human Retina Using Diabetic Retinopathy" International Journal of Scientific Research in Computer Science Applications and Management Studies, ISSN : 2319-1953, Volume 7, Issue 4 (2018).	2018
[46].	Kumar Parasuraman, B. Selva Gayathri, K. Senthamarai Kannan "Automated Vessel Segmentation of Retinal Vessels using Hybrid Region Information", Journal of Statistics, ISSN: 2278–2273, pp.28-36.	2018
[47].	Silambarasan K, P.Kumar "An Improved Cuckoo Search Algorithm for System Efficiency in Cloud Computing" 2018 International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), DOI: 10.1109/I-SMAC.2018.8653706, ISBN:978-1-5386-1442-6, pp.733-736.	2018
[48].	T. Arumuga Maria Devi, D. Muthukumar, P. Kumar "Signal Analysis of Various Filters for Voltage and Current Level Measurement in Series or Parallel RLC Resonant circuits on Hyper Spectral Data Magnification" International Journal of Advanced Scientific Technologies in Engineering and Management Sciences (IJASTEMS) -ISSN: 2454-356X, Volume.3,Issue.12, pp.8-13.	2017
[49].	Lawrence Livingston Godlin Atlas and Kumar Parasuraman "Effective Approach to Classify and Segment Retinal Hemorrhage Using ANFIS and Particle Swarm Optimization" Journal of Intelligent Systems, ISSN:0334-1860E-ISSN:2191-026X, pp.1-17, Publisher : Walter de Gruyter GmbH, (SCI Journal)	2017

SINo	Title	Year
[50].	S.Tamilarasan, P.Kumar, "Dynamic Resource Allocation based on priority approach in MIMO Cognitive Radio Networks-A Literature Survey", International Journal of Computer Sciences and Engineering (IJCSE), Volume 5, Issue 5, May-2017, E-ISSN: 2347-2693, pp. 188-193.	2017
[51].	S. Tamilarasan, Dr.P.Kumar, "A Survey on Dynamic Resource Allocation in MIMO Heterogeneous Cognitive Radio Networks based on Priority Scheduling", International Journal of Computer Sciences and Engineering (IJCSE), Volume 5, Issue 1, January 2017, E-ISSN: 2347-2693, pp. 53-59.	2017
[52].	Tamilarasan Santhamurthy, Kumar Parasuraman, "Appropriate Channel Selection for Dynamic Resource Allocation with Priority Scheduling Approach in Multi-hop Cognitive Radio Networks", International Journal of Intelligent Engineering and Systems, Vol.10, No.2, 2017, ISSN:2185-310XE (Scopus), pp. 1-10.	2017
[53].	TamilarasanSanthamurthy, Dr.KumarParasuraman, "Oppertnuistic Channel Selection in herterogeneous Cognitive Radio Network Using Priority Queue Scheduling", 2017 International Conference on Electronics and Communication Systems (ICECS), DOI: 10.1109/ECS.2017.8067837, ISBN:978-1-5090-3355-3, pp.59-64.	2017
[54].	Tamilarasan S, Kumar P, "Priority Based Dynamic Resource Allocation in MIMO Cognitive Radio Networks", 2017 IEEE International Conference on Computational Intelligence and Computing Research (ICIC), DOI: 10.1109/ICIC.2017.8524549, ISSN: 2473-943X.	2017
[55].	L.Godlin Atlas, Dr.KumarParasuraman "Detection of retinal hemorrhage in fundus images using ANFIS classification and FCM with cuckoo search optimization algorithm" 2017 IEEE International Conference on Communication and Electronics Systems (ICCES), DOI: 10.1109/CESYS.2017.8321308, ISBN:978-1-5090-5013-0, pp.35-39.	2017
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[97].	Kumar Parasuraman, Krishnan Nallaperumal, Srinivasa Babu Purusothaman, Sreeja T.S. "An Efficient method for Indian License Plate Character Recognition System" 2011 IEEE International Conference on Computational Intelligence and Computing Research (ICIC), ISBN: 978-1-61284-766-5/11/\$26.0 ©2011, IEEE, pp.1139 – 1141.	2011

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[101].	Kumar Parasuraman, Krishnan Nallaperumal, Srinivasababu P, Balaji Ganesh R "Linear Analysis of Indian Traffic Situations using Blob Tracking from Video Sequences" 2011 IEEE International Conference on Computational Intelligence and Computing Research (ICIC), ISBN: 978-1-61284-766- 5 /11/\$26.0 ©2011, IEEE, pp. 1132 – 1138.	2011
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[105].	Kumar Parasuraman, Subin P S, "SVM Based License Plate Recognition System" 2010 IEEE International Conference on Computational Intelligence and Computing Research (ICIC), ISBN: 97881-8371-362-7.	2010
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[107].	C. Nelson Kennady Babu, T Siva Subramanian, Parasuraman Kumar "A Feature Based Approach for License Plate Recognition of Indian Number Plates" 2010 IEEE International Conference on Computational Intelligence and Computing Research (ICIC), DOI: 10.1109/ICIC.2010.5705907 ISBN : 978-1-4244-5967-4.	2010

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[108].	S. Saudia, Justin Varghese, Krishnan Nallaperumal, S. Allwin, S. Annam and P. Kumar "Quad-tree based impulse detection and rank-ordered regularization for the restoration of impulse corrupted digital images" 2008 International Conference on Computing, Communication and Networking (ICCCN 2008) DOI: 10.1109/ICCCNET.2008.4787723, ISBN:978-1-4244-3594-4.	2008
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[111].	Krishnan Nallaperumal, Justin Varghese, S. Saudia, Santhosh. P. Mathew, K. Krishnaveni, P. Kumar "A New Adaptive Class of Filter Operators for Salt & Pepper Impulse Corrupted Images" International Journal of Imaging Science and Engineering (IJISE), IJISE,GA,USA,ISSN:1934-9955,Vol.1,No.2, April 2007, pp. 44-51.	2007
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### 13. Technical Session Chairs

SNo	Particulars	Year
1.	Served as <b>Session Chair</b> for the <b>IEEE 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)</b> held on 24 – 25 February 2020 organized by School of Information Technology and Engineering, Vellore Institute of Technology, Vellore	2020
2.	Served as Session Chair for the <b>ICCS-2019 International Conference on Computational Science</b> held on March 23rd & 24th October 2019 at Department of Computer Science, Alagappa University, Karaikudi, Ir. dt. 15.10.2019.	2019

3.	Served as <b>Session Chair</b> for the ICAEES-2014 is the <b>Springer</b> International Conference on Artificial Intelligence and Evolutionary Algorithms in Engineering Systems held on 22-23 April 2014 organized by the Department of Electrical and Electronics Engineering, Noorul Islam University, Kumarakovil, Thuckalay – 629 180, Kanyakumari District, Tamilnadu, India.	2014
4.	Served as <b>Session Chair</b> for the ICECCE-2014 is the IEEE First International Conference on International Conference on “Electronics, Communication and Computational Engineering” held on 17-18 November 2014 organized by the Adiyamaan College of Engineering (Autonomous), Department of Computer Science and Engineering, Dr. M.G.R Nagar, Hosur – 635 109 , Tamilnadu, India.	2014
5.	Served as <b>Session Chair</b> for the ICCCT '13 Second INTERNATIONAL CONFERENCE ON COMPUTING AND COMMUNICATION TECHNOLOGY held on March 1 <sup>st</sup> and 2 <sup>nd</sup> March 2013 at Immanuel Arasar JJ College of Engineering Edavilagam, Nattalam, Marthandam-629195, India.	2013
6.	Served as <b>Session Chair</b> for the ICE-CCN 2013 is the IEEE First International Conference in Emerging Trends in computing, communication and Nanotechnology held on 25-26 March 2013 organized by the Department of Electronics and communication Engineering, Infant Jesus college of Engineering and Technology, Tuticorin, Tamilnadu, India.	2013

#### 14. Conference Proceedings Review Committee Member.

SNo	Particulars	Year
1.	Served as one of the Technical Reviewer of the Springer International Conference on Artificial Intelligence and Evolutionary Algorithms in Engineering Systems – 2014 organized by Department of Electrical and Electronics Engineering held on 22 <sup>nd</sup> and 23 <sup>rd</sup> April 2014 at Noorul Islam Centre for Higher Education, Noorul Islam University, Kumaracoil, Kanyakumari District, Tamilnadu.	2014
2.	Served as Research paper reviewer in a two-day National Conference on Mining, InterNetworking and Data Security – MINDS 2014 held on 27 <sup>th</sup> & 28 <sup>th</sup> of March 2014 at Department of Computer Science and Engineering, Alagappa University, Karaikudi.	2014

#### 15. Invited Talks / Resource person.

SNo	Particulars	Year
1.	Served as a resource person on the topic "E-Waste : Indian Perspective" at Department of Computer Applications, Dwaraka Doss Goverdhan Doss Vishnav College, (Autonomous) (Linguistic Minority Institution, College with Potential for	2021

	Excellence) No:833, Gokul Bagh, E.V.R. Periyar Salai, Arumbakkam, Chennai – 600106, India	
2.	Served as a resource person on the topic " Stay Safe at Cyberspace – Cyber Security Empowerment" at JP College of Arts & Science Ayikudy, Tenkasi District, Tamilnadu, India	2021
3.	Served as a resource person for UGC-NET/JRF Exam at Department of Physical Education and Sports, Manonmaniam Sundaranar University on 21.11.2019.	2019
4.	Served as a resource person on the topic “The Information Technology Innovations towards Next Generation as Social Developments” at Varuvan Vadivelan Institute of Technology, Dharmapuri Ir. dt. 16.04.2018	2018
5.	Served as resource person for UGC-NET/JRF Exam paper I & II classes held on 10.01.2017 at Department of Physical Education and Sports, Manonmaniam Sundaranar University, Tirunelveli	2017
6.	Served as a resource person for UGC-NET/JRF Paper I – Coaching at Department of Physical Education and Sports, Manonmaniam Sundaranar University, Tirunelveli on 25-10-2017.	2017
7.	Served as a resource person for UGC-NET/JRF Paper I – Coaching at Department of Physical Education and Sports, Manonmaniam Sundaranar University, Tirunelveli on 10.01.2017.	2017
8.	Delivered an invited lecture “Research Methodology for Engineers and Scientists” in the IEEE First International Conference on International Conference on “Electronics, Communication and Computational Engineering” held on 18 November 2014 organized by the Adiyamaan College of Engineering (Autonomous), Department of Computer Science and Engineering, Dr. M.G.R Nagar, Hosur – 635 109 , Tamilnadu, India.	2014
9.	Served as a resource person for UGC-NET/JRF Exam at Department of Physical Education and Sports, Manonmaniam Sundaranar University on 10.12.2012.	2012
10.	Delivered an invited lecture and attended first technical presentation on “GLIZZ ‘TEN” at Department of Computer Science and Engineering, Infant Jesus College of Engineering and Technology, Tuticorin, Tamilnadu, INDIA during 23 <sup>rd</sup> October 2010.	2010
11.	Served as a resource person during the one week training programme on Computer & Internet Fundamentals of Office Automation to the Judicial Officers of Tirunelveli, Kanyakumari and Thoothukudi Districts jointly conducted by Centre for Information Technology and Engineering and Department of Computer Science and Engineering, ManonmaiamSundaranar University held from 28.06.2006 to 03.07.2006.	2006
12.	Served as a resource person during the two weeks Training programme on Computer Operation to the Administrative Officers & Staff of ManonmaiamSundaranar University for speedy and error free disposal of files jointly conducted by Centre for Information Technology and Engineering and Department of Computer Science and Engineering, ManonmaiamSundaranar University held from 07.04.2006 to 28.04.2006 & 06.06.2006 to 26.06.2006.	2006
13.	Served as a resource person during the one week training course on Computer & Internet Fundamentals and Office Automation to the officers of Local Fund Audit Department in the Four Districts of Virudhunagar, Tirunelveli, Thoothukudi and Kanyakumari conducted by Centre for Information Technology and Engineering, ManonmaiamSundaranar University held from 13.6.2005 to 17.6.2005.	2005

16. Papers presented in Conferences, Seminars, Workshops, Symposia:

Sl No.	Particulars	National / International	Year
1.	A. Anbarasa Kumar, Kumar Parasuraman “Cyber Security and its Importance” International Workshop on Recent Trends in Stochastic Modeling and Its Applications (IWRTSMA 2019) Organized by Department of Statistics, M S University, Tirunelveli-12.	National	2019
2.	Presented a paper on “Graphical Representation of Voltage and Current Measurements in Series or Parallel RLC Resonant Cirucuits” in in 2017 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS’17) at Kalasalingam University, Krishnankoil, Tamilnadu, India, during 23 <sup>rd</sup> – 25 <sup>th</sup> March 2017.	International	2017
3.	Presented a paper on “A Novel Approach for Automatic Detection of Non-Small Cell Lung Carcinoma in CT Images” in in the IEEE International Conference on Control Instrumentation Communication and Computational Technologies, at Department of Electronics & Instrumentation Engineering Noorul Islam University, Kumaracoil, Thuckalay, Kanyakumari District, TN, India, during 16 <sup>th</sup> and 17 <sup>th</sup> December 2016	International	2016
4.	Presented a paper on “Secured Document Management through a Third Party Auditor Scheme in Cloud Computing” in in 2014 IEEE – International Conference on Electronics, Communication and Computational Engineering (ICECCE) at Department of Computer Science and Engineering Adhiyamaan College of Engineering Hosur, India, during 17 & 18 November 2014.	International	2014
5.	Presented a paper on “Reversible Image watermarking using Interpolation Technique” in in 2014 IEEE – International Conference on Electronics, Communication and Computational Engineering (ICECCE) at Department of Computer Science and Engineering Adhiyamaan College of Engineering Hosur, India, during 17 & 18 November 2014	International	2014
6.	Presented a paper on “Automated Detection of Diseases by Nicking Quantification in Retinal Images” in in 2014 IEEE – International Conference on Electronics, Communication and Computational Engineering (ICECCE) at Department of Computer Science and Engineering Adhiyamaan College of Engineering Hosur, India, during 17 & 18 November 2014	International	2014
7.	Presented a paper on “Automatic License Plate Localization based on Feature Saliency for Video Images” in 2011 IEEE International Conference on Computational Intelligence and Computing Research at Cape Institute of Technology, Levengipuram, Kanyakumari – 627 114 during December 15-18 2011.	International	2011



8.	Presented a paper on “License Plate Location Method Based on Wavelet Transform and Character Segmentation through IDL” in in 2011 IEEE International Conference on Computational Intelligence and Computing Research at Cape Institute of Technology, Levengipuram, Kanyakumari – 627 114 during December 15-18 2011.	International	2011
9.	Presented a paper on “An Efficient method for Indian License Plate Character Recognition System” in in 2011 IEEE International Conference on Computational Intelligence and Computing Research at Cape Institute of Technology, Levengipuram, Kanyakumari – 627 114 during December 15-18 2011	International	2011
10.	Presented a paper on “SVM Based License Plate Recognition System”, in 2010 IEEE International Conference on Computational Intelligence and Computing Research, Tamilnadu College of Engineering, Coimbatore, India, During December 28-29 , 2010	International	2010
11.	Presented a paper on “An Efficient Method for Indian Vehicle License Plate Extraction and Character Segmentation” in 2010 IEEE International Conference on Computational Intelligence and Computing Research, Tamilnadu College of Engineering, Coimbatore, India, During December 28-29 , 2010	International	2010

## 17. Books / E-Contents Published

SNo	Title	Book / E-Content	Publisher
1	Automatic License Plate Recognition System for Indian Condition	Book	Lambert Academic Publishing, Germany
2	Computer Fundamentals and Office Automation	E-Content	CITE, MSU
3	RDBMS Concepts and Oracle	E-Content	CITE, MSU
4	E-Commerce Concepts and Application Design	E-Content	CITE, MSU
5	IT and Cyber Laws	E-Content	CITE, MSU
6	Oracle Database Administration	E-Content	CITE, MSU
7	Advanced Visual Basic Lab	E-Content	CITE, MSU
8	E-Commerce Concepts and Application Design Lab Exercises	E-Content	CITE, MSU
9	Computer Fundamentals and Office Automation-Lab Exercise sand Solutions	E-Content	CITE, MSU
10	Operating Systems with Windows NT Lab Exercises and Solutions	E-Content	CITE, MSU

## 18. Member - Editorial Board/Panel of Reviewer during the period

1	International Journal of Environment and Climate Change, ISSN: 2581-8627.
2	International Journal of Cybernetics and Systems (Taylor & Francis), ISSN: 0196-9722
3	Journal of Experimental & Theoretical Artificial Intelligence, ISSN: 0952-813X
4	International Journal of Plant & Soil Science, ISSN: 2320-7035
5	Plant Cell Biotechnology and Molecular Biology, ISSN: 0972-2025
6	Ophthalmology Research: An International Journal, ISSN: ISSN: 2321-7227

## 19. Patent Published

SI No	Particulars	Year
1.	International Patent published, Patent No. DE202022103985U1(German Government Patent published on 17.11.2022) Name of the Patent published/awarded : Agarwal Pankaj, Uttar Pradesh, Ghaziabad, IN; Anbarasan, Anbarasa Kumar, Tamil Nadu, Cuddalore, IN; Boddu Rajasekhar, Andhra Pradesh, Guntur, IN; Haldorai Anandakumar, Tamil Nadu, Coimbatore, IN; Jose Deepa, Tamil Nadu, Chennai, IN; <b>Kumar Parasuraman, Tamil Nadu, Tirunelveli, IN;</b> Murthy Mantripragada Yaswanth Bhanu, Andhra Pradesh, Guntur, IN; Ngulube Peter, Blantyre, MW; Singh Harsh Vikram, Uttar Pradesh, Sultanpur, IN; Sonker Abhilash, Madhya Pradesh, Gwalior, IN  <b>Title of the Invention:</b> "Mobile Medical System and Method based on Blockchain and 5G Communication"	2022
2.	National Patent published, Patent No. 202241066764A (Indian Government Patent published on 25/11/2022), Name of the Patent published/awarded: Dr. D. Sherlin, Mrs. S. Ponnammal, Dr. E. Edwin Lawrence, Dr. S. Meenakshi, Ms. V. Prema, <b>Dr. P. Kumar,</b> Dr. M. Sivasubramanian, Ms.S.Lalitha, Dr. S. Kother Mohideen  <b>Title of the Invention:</b> "Motion Detection and Recognition System using Deep Learning & Digital Image Processing"	2022

## 20. Subjects Taught/Teaching

1. Engineering Research Methodology
2. Research Methodology for Scientists and Engineers
3. Foundations of Information Technology
4. Data and Computer Communication
5. Essential of Computer Networks
6. Advanced Digital Image Processing
7. Modern Operating Systems
8. Advance Database Management Systems

9. Current Trends, Developments, Research and Open issues in IT
10. Mobile and Cellular Computing
11. Software Project Management
12. Management Information Systems
13. Forms of Cyber Crimes
14. Computing for Data Analytics
15. Introduction to Networking
16. Cyber Frauds in the BSFI Sector
17. Fundamental of Research Methods and Statistical Applications

21. Award or Prize/Distinction received:

S. No.	Name	Institution	Purpose of Award	year
1.	Dr. P. Kumar	Manonmaniam Sundaranar University Tirunelveli	Instrumental Role as SPOC (NPTEL – SWAYAM) ( <b>single point of contact</b> ) for Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu	2022
	Dr. P. Kumar	Manonmaniam Sundaranar University Tirunelveli	Towards preparing the IIQA, submitting the SSR and making all necessary arrangements for the NAAC accreditation during 19th – 21st July 2018 which enabled the University to secure 'A' Grade (CGPA 3.13 out of 4.0) in the 3rd Cycle.	2018

Dr. P. Kumar