

FORMAT FOR ANNUAL REPORT FOR THE YEAR 2019-2020 – JULY TO JUNE

Period from 01.07.2019 to 30.06.2020 (July to June)

(Use separate sheet for each item and don't leave blank columns)

Name of the Department / Centre / Institute:

- 1) Detailed list of Professors, Associate Professors, Assistant Professors and their **Ph.D. specialization** during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Faculty	Designation	E-Mail Address	Field of Specialization
1	Dr. Dhananjay Kumar	Professor & Head	dhananjay@annauniv.edu	Mobile communication and computing, Video processing, Data analysis
2	Dr. P. Anandha Kumar	Professor	anandh@mitindia.edu	Artificial Intelligence, Soft Computing, Machine Vision, Big Data Analytics and Digital Twin.
3	Dr. M. R. Sumalatha	Professor	sumalatha@annauniv.edu	Distributed Systems, Cloud Computing, Big Data Analytics, Social Platforms, Data Security and Privacy.
4	Dr. Radha Senthilkumar	Associate Professor	radhasenthilkumar@gmail.com	Database, Datamining, Big Data, Machine Learning, cloud computing and Block chain technologies.
5	Dr. P. Kola Sujatha	Assistant Professor (Sl. Gr.)	pkolasujatha@annauniv.edu	Data Mining and Data Warehousing, Data Analytics, Soft Computing, Machine Learning and Artificial Intelligence.
6	Dr. S. Umamaheswari	Assistant Professor (Sl. Gr)	uma_sai@mitindia.edu	Network-on-Chip - VLSI
7	Dr. J.Dhalia Sweetlin	Assistant Professor (Sr. Gr.)	jdsweetlin@mitindia.edu	Medical Image Processing, Soft Computing, Artificial Intelligence.
8	Dr. G. Rajesh	Assistant Professor	raajimegce@gmail.com	Wireless sensor networks. Internet of things, Machine learning
9	Dr. B. Lydia Elizabeth	Assistant Professor	lydiajohn@annauniv.edu	Information Security.

10	Dr. D Sangeetha	Assistant Professor	dsangeetha@mitindia.edu	Cloud Security.
11	Mrs. M. Hemalatha	Assistant Professor	hemam@annauniv.edu	Deep learning, Computer vision.
12	Dr. C. Sunil Retmin Raj	Teaching Fellow	retmin2001@gmail.com	
13	Mr. E. Pugazhendi	Teaching Fellow	pugazh.cse@gmail.com	Cloud Computing-SaaS.
14	Dr. D. Vivekanandan	Teaching Fellow	vivek.acm@mitindia.edu	Image Processing, Database, Operating Systems.
15	Dr. P. Lakshmi Harika	Teaching Fellow	lakshmi.harika558@gmail.com	Video Processing.
16	Ms. S. Eliza Femi Sherley	Teaching Fellow	selizafemisherley@mitindia.edu	Image Processing, Database Management System, Data Mining
17	Mrs. P. Jayanthi	Teaching Fellow	pjayanthi@mitindia.edu	Video Analytics.
18	Mr. V. Premanand	Teaching Fellow	premanandmit@gmail.com	Video Processing.
19	Ms.T.Nathezhtha	Teaching Fellow	nathezhtha31@gmail.com	Cloud computing and Information security.
20	Ms.D.Bala Gayathri	Teaching Fellow	gayathribalansvg@gmail.com	Information Security, Networks.
21	Ms.R.Shanmuga Priya	Teaching Fellow	shanmurajendran2@gmail.com	Image Processing, Machine Learning, Video Analytics.

2) List of Degrees awarded during the period **01.07.2019 to 30.06.2020**

b. M.E. / M.Tech. / M.Arch. / M.Plan. / MBA / MCA with Name of the Programme

Sl. No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor	Month & Year of Viva-voce conducted
1	Effective prediction of heart disease using deep learning.	Abisha Anto Ignatious L	Dr. B.Lydia Elizabeth	Oct 2020
2	Detection of wildfire from satellite images using transfer learning approach.	Anu Priya P	Dr. Radha Senthilkumar	Oct 2020
3	Improving the performance of cloud data storage using document similarity based deduplication system.	Bharathy G	Mr.E. Pugazhendi	Oct 2020
4	Real-Time fire detection video frames using deep	Gothai Nayaki B	Dr. P Lakshmi Harika	Oct 2020

	learning.			
5	Automated lesion detection in retinal fundus images for diabetic retinopathy.	Gowsalya S	Dr.J.Dhalia Sweetlin	Oct 2020
6	Weed detection based on semantic segmentation using u-net and squeeze net architecture.	Hemant Kumar M	Dr.S.Umamaheswari	Oct 2020
7	Prediction of abnormalities in cardiac arrhythmia based on 12 – lead ecg.	Jeevitha S	Dr.D.Sangeetha	Oct 2020
8	Hierarchical attention based video captioning using on the key frames.	Karthik P	Ms.M.Hemalatha	Oct 2020
9	Multiple object tracking using kernel based approach.	Madhurambigai M	Dr.D.Vivekanandan	Oct 2020
10	A blockchain framework for secure storage of electronic health record.	Peace Weslin P	Dr.G.Rajesh	Oct 2020
11	Performance analysis of traditional and cnn approach for identification of brain tumor.	Rashika R S	Dr.C.Sunil Retmin Raj	Oct 2020
12	Vehicle number plate detection using ssd model of tensorflow framework.	Revathi D	Mr.V.Premanand	Oct 2020
13	Tracking of multiple moving vehicles using convolutional neural network.	Ruba A	Dr.P.Kola Sujatha	Oct 2020
14	Ontological approach based sarcasm detection for electoral trend prediction.	Sanchana R	Dr.P.Anandhakumar	Oct 2020
15	Serendipity drug prediction for chronic disease using deep convolutional neural network.	Sangeetha S B	Dr. P Lakshmi Harika	Oct 2020
16	Monitoring and forecasting land cover changes using surface reflectance and feature fusion approaches.	Saravanakumar P	Ms.S.Eliza Femi Sherley	Oct 2020
17	Hedge deep tracker based object tracking using convolutional neural network.	Vishalachi B	Dr.Dhananjay Kumar	Oct 2020

5.Continuing Education Programmes :

5.1 Training Programmes / Short term courses and Workshop **conducted** during the period **01.07.2019 to 30.06.2020**

a. Training programmes

Sl. No.	Title of the Training Programme	Date	No. of Participants	Name of the Co-ordinator	Sponsoring Agency
1	Two- day FDTP Research Trends in Data Analytics and Bio-Inspired Computing IT, MIT Campus, Anna University.	January 31 - February 1, 2020,	35	Dr. P. Kola Sujatha	CFD, Anna University, Chennai
2	Two Day RO--FDTP Contemporary Research aspects in Information-Centric Networking (CRICN)" at Dept. of Information Technology, MIT Campus, Anna University.	14h & 15th Feb 2020	33	Dr. S. Umamaheswari	CFD, Anna University, Chennai

b. Short term courses

Sl. No.	Title of the Short term course	Date	No. of Participants	Name of the Co-ordinator	Sponsoring Agency
1	Five- Day Short Term Training Programme on "Software Engineering"	16-20 Dec 2019	47	Dr. Dhananjay Kumar	AICTE, New Delhi and Anna university
2	Five- Day Short Term Training Programme on "Software Engineering"	16-20 Dec 2019	47	Dr. G. Rajesh	AICTE, New Delhi and Anna university

c. Workshop

Sl. No.	Title of the Workshop	Date	No. of Participants	Name of the Co-ordinator	Sponsoring Agency
1	"Artificial Intelligence" ATAL scheme of AICTE	11th -15th November 2019.	93	Dr. P. Anandha Kumar	AICTE, New Delhi
2	"PEDAGOGY" at Anna University, MIT Campus conducted by Dean, MIT Campus.	26/06/2019	76	Dr. D. Sangeetha, Mrs. M. Hemalatha	Anna University, Dean, MIT Campus.

5.2 Training Programmes, Short term courses and Workshop **attended** by the Faculty members in other Institutions during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Faculty Member and Designation	Date	Title of the programme attended	Venue
1	Dr. Dhananjay Kumar Professor	19-12-2019	A National level seminar on "5G Knowledge Summit" organized by NanoCell Networks Pvt Ltd, Bangalore, India.	IIT-M Research Park, Chennai
2	Dr. Radha Senthilkumar Associate Professor	11-11-2019 to 15-11-2019	AICTE Training and Learning(ATAL) Academy FDP on Artificial Intelligence	Dept. of Information Technology, Anna University.
		13-06-2020 to 01-07-2020.	Two Week Online course on Remote Sensing & GIS Technology and Applications for University Teachers & Government Official	IIRS, Dehradun, Uttarakhand (India)
3	Dr. P. Kola Sujatha Assistant Professor (Sl.Gr)	11-11-2019 to 15-11-2019	AICTE Training And Learning (ATAL) Academy FDP on "Artificial Intelligence"	Dept. of Information Technology, Anna University.
		16-Dec-2019 to 20-Dec-2019	FDTP on "Software Engineering"	Dept. of Information Technology, Anna University.
		13-06-2020 to 01-07-2020	Two Week Online course on Remote sensing & GIS Technology and Applications for University Teachers & Government Official by IIRS, Dehradun	Online
4	Dr. S. Umamaheswari Assistant Professor (Sl.Gr)	03-Dec-2019 to 07-Dec-2019	FDTP on "Operating Systems"	Dept. of Computer Technology, Anna University.
		16-Dec-2019 to 20-Dec-2019	FDTP on "Software Engineering"	Dept. of Information Technology, Anna University.
5	Dr. J.Dhalia Sweetlin Assistant Professor (Sl.Gr)	11-11-2019 to 15-11-2019	Five Day AICTE Training And Learning (ATAL) Academy FDP on "Artificial Intelligence".	Dept. of Information Technology, Anna University.
6	Dr. G. Rajesh Assistant Professor	11-11-2019 to 15-11-2019	AICTE Training And Learning (ATAL) Academy FDP on "Artificial Intelligence".	Dept. of Information Technology, Anna University.
7	Dr. B. Lydia Elizabeth Assistant Professor	Aug 24-28, 2020	A one week course on MATLAB Simulink, Statistics and Optimization Tool boxes.	Online
8	Dr. D Sangeetha Assistant Professor	03-Dec-2019 to 07-Dec-2019	FDTP on "Operating Systems"	Dept. of Computer Technology, Anna University
		16-12-2019 to 20-12-2019	AICTE & AU sponsored FDP on "CS8494-Software Engineering.	Dept. of Information Technology, Anna University.
		02-Mar-2020 to 27-Apr-2020.	8 Week Course on"Orientation towards technical education and curriculam aspects"	Swayam-National Initiative for Technical Teachers

				Training Institute and Research, India
9	Mrs. M. Hemalatha Assistant Professor	11-11-2019 to 15-11-2019	A three days Pre Conference workshop on App Development using Tamil NLP tools and APIs	Department of IST, CEG, Anna University. Completed
		22-07-2019 to 02-08-2019.	A two weeks Short-term Course on "Induction Training Programme"	National Institute of Technical Teachers Training and Research, Chennai
		07-06-2019 to 20-06-2019.	AICTE sponsored Two weeks Faculty Development Programme on "Data Science and Exploratory Data Analysis with R and Python"	Sri Sai Ram Engineering College, Chennai
		16-12-2019 to 20-12-2019	AICTE sponsored FDP on "CS8494-Software Engineering"	DIT, MIT, Anna University.
		18-05-2020 To 22-05-2020	AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things "	National Institute of Technology Nagaland
10	Ms. S. Eliza Femi Sherley Teaching Fellow	19-Jun-2018 To 25-Jun-2018	Faculty Development Training Programme on CS6551 Computer networks"	MIT Campus, Anna University
		13-May-2019 To 15-May-2019.	3-Day FDTP on Student Induction Programme - Level 0".	SIP Cell, Anna University, Chennai
		10-Jun-2019 To 16-Jun-2019	7-Day FDTP on Student Induction Programme - Level 1".	SIP Cell, Anna University, Chennai.
		11-Nov-2019 To 15-Nov-2019.	FDP on Artificial Intelligence"	Depart. of IT, MIT Campus, Anna University, India.
		31-Jan-2020 to 01-Feb-2020.	FDTP on Research Trends in Data Analytics & Bio-Inspired Computing	MIT Campus, Anna University
		26-Jun-2020 To 30-Jun-2020	5-days online Faculty Development Programme on "COMPUTER VISION USING DEEP LEARNING"	Panimalar Engineering College, Chennai, India.
11	Mrs. P. Jayanthi Teaching Fellow	21-23 Aug 2019	3 days FDP on Machine Learning And Artificial Intelligence in Automation	St. Joseph's College Of Engineering, Chennai.

		16-20 Dec 2019	5 days STTP on software engineering,	Dept of IT, Anna University.
		15.06.2020 To 20.06.2020	6 days online FDP on Latest Trends and Challenges in IT Industry. Dept of CSE, R.M.D Engineering College, Chennai	Online
		22.06.2020 To 26.06.2020.	TEQIP –III sponsored one week online FDP on MATLAB Programming for Meta-Heuristic Multi Objective Optimization Tools-Hands. Dept of Mechanical Engg., Government College of Tech., Coimbatore	Online
12	Mr. V. Premanand Teaching Fellow	11-11-2019 To 15-11-2019	AICTE Training And Learning (ATAL) Academy FDP on "Artificial Intelligence",	DIT, MIT Campus, Anna University.
13	Ms.T.Nathezhtha Teaching Fellow	From 11-11-2019 To 15-11-2019, IT	AICTE Training And Learning (ATAL) Academy FDP on "Artificial Intelligence".	DIT, MIT Campus, Anna University.
		31st January to 1st February 2020	Two-Day Faculty Development Program on “Recent trends in Data Analytics and Bio-Inspired Computing”.	DIT, MIT campus, Anna University.
		14th and 15th February 2020	Two-Day Faculty Development Program on “Contemporary Research aspects in Information-Centric Networking”.	DIT, MIT campus, Anna University.
		15th – 24th May 2020,	A Two-Week Online Faculty Development Program on “Data Science using Python”	Online
14	Ms.R.Shanmuga Priya Teaching Fellow	11th – 15th November 2019,	AICTE Training and Learning Academy (ATAL) & Centre for Faculty Development programme, on Artificial Intelligence.	DIT, MIT, Anna University, Chennai,
		31st Jan – 1st Feb 2020	A Research Oriented Two-Day FDTP on Recent Trends in Data Analytics and Bio Inspired Computing.	DIT, MIT, Anna University, Chennai,

		15th – 24th May 2020	A Two-Week Online Faculty Development Program on “Data Science using Python”	online
		15th – 20th June 2020	A six days Online Faculty Development Program on “Latest Trends and Challenges in IT Industry”. By Department of CSE, R.M.D Engineering College, Chennai, India.	Online
		23rd – 27th June 2020	A Five days International Online FDP on “Emerging trends in Information Technology” by Department of Information Technology, Karpagam College of Engineering (Autonomous), Coimbatore, India..	Online

6) Faculty Development

6.2. Conferences / Seminars / Symposium attended by the Faculty Members of Anna University at **International Level (within India)** during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name and Designation	Names of Conferences / Seminars / Symposium attended	Date	Address of Organized Institute
1	Dr. S. Umamaheswari Assistant Professor(SI.Gr)	International Conference on Artificial Intelligence and Signal Processing (AISP)	10-12 Jan 2020	VIT, Andhra
2	Ms.T.Nathezhtha Teaching Fellow	IEEE (53rd) International Carnahan Conference on Security Technology 2019	01-03 October 2019	Chennai, India

6.3 Conferences / Seminars / Symposium attended by the Faculty Members at **International Level (outside India)** at other countries during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name and Designation	Name of the Programme attended	Name of the Country visited	Name of Travel grant used	Date
1	Dr. Dhananjay Kumar Professor	International Conference on "Kaleidoscope 2019 - ICT for Health: Networks, standards and innovation" hosted by the Georgia Institute of Technology, Atlanta, USA	USA	Fellowship (Financial assistance) by the Telecommunication Standardization Sector of International Telecommunication Union (ITU-T),	December 04 – 06, 2019

				Geneva	
2	Dr. M. R. Sumalatha Professor	International Conference on Computational Intelligence and Knowledge Economy (ICCIKE 2019).	Dubai	UGC	December 11 – 12, 2019.
3	Dr. J.Dhalia Sweetlin Assistant Professor(Sr. Gr.)	Future of Information and Communication Conference (FICC) 2020	USA	CIR, Anna University	March 5-6, 2020
4	Dr. G. Rajesh Assistant Professor	International Conference on Technology Innovation and Data Sciences.	Malaysia	Self funded.	October 11-12, 2019
5	Dr. D Sangeetha Assistant Professor	6th International Conference on Big data and cloud computing challenges".	USA.	CIR, Anna University	September 9-10, 2019
6	Mrs. M. Hemalatha Assistant Professor	2020 IEEE Winter Conference on Applications of Computer	USA	Partly funded by IIT-M, Chennai	March 2-5, 2020

6.4. Lectures delivered by the Anna University Faculty members at other Institute during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name	Designation	Name of the programme	Address of Organized Institute	Date
1	Dr. S. Umamaheswari	Assistant Professor (Sl.Gr)	"Machine Learning and Applications" in Two Week Online FDP on Recent Trends in Information, Computing, Communication and Teaching Methodology Competency.	Sri Sairam Engg. College, Chennai.	04th To 17th May 2020
			"Basics of Machine Learning" in Webinar on Machine learning Techniques	. R.M.D Engg. College, Kavarapettai.	
2	Dr. J.Dhalia Sweetlin	Assistant Professor(Sr. Gr.)	Mathematical Analysis of Algorithms & Mathematical Applications in Cyber Security in Recent Applications of Mathematics in Engineering (Online)	Department of Mathematics, Karunya Institute of Technology & Sciences, Coimabatore	18-05-2020 To 22-05-2020

		Assistant Professor(Sr. Gr.)	Online hands on session on “R Programming” in “Programming and Type Setting Tools in Engineering”	Department of Mathematics, Karunya Institute of Technology & Sciences, Coimabatore	25.05.2020 to 29.05.2020.
		Assistant Professor(Sr. Gr.)	“R Programming” in the seven Days Online FDP on Artificial Intelligence with Data Science.	Panimalar Institute of Technology, Chennai	22.06.2020 to 28.06.2020
		Assistant Professor(Sr. Gr.)	4. Handled one hour daily in one week online training on R – Programming.	RMD Engineering College	01.06.2020 to 06.06.2020
	Dr. D. Sangeetha	Assistant Professor	Delivered a Lecture on "Ransomware mitigation using bio inspired computing"	Two day Research oriented FDTP on Research Trends in Data analytics and Bio inspired computing organized by MIT Campus	31- Jan 2020 To 01-Feb-2020
	Mrs. M. Hemalatha	Assistant Professor	"Generative Adversarial Networks for Image and Text Generation " in Pre-Conference ICCIDS 2020 Workshop on Image and Video Analysis, IVA 2020	Department of Computer Science & Engineering, SSN College of Engineering, Chennai	20 February, 2020.

6.5 Honours / Awards received from State / National / International bodies by the AU Faculty Members during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Faculty Member	Designation	Name of the Honour / Award	Name of the Institute / Organization issued the Honours / Awards
1	Dr. Dhananjay Kumar	Professor and Head	Third Best Paper Award (USD1,000) by ITU-T, Geneva, during "Kaleidoscope 2019 - ICT for Health: Networks, standards and innovation".	Telecommunication Standardization Sector of International Telecommunication Union (ITU-T), Geneva

9. b. Research Papers Presented in **International** Conferences / Seminars / Symposium / Workshop during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name and Designation	Title of the Research paper presented	Name of the Conference and Venue	Date
1	Dr. Dhananjay Kumar	"Elderly Health Monitoring System with Fall Detection Using Multi-Feature Based Person Tracking,"	ICT for Health: Networks, Standards and Innovation (ITU K), Atlanta, GA, USA.,	04-Dec-2019 to 06-Dec-2019
2	Dr. M. R. Sumalatha	"Real Time Big Data Analytics for Agricultural Land Hotspot Prediction"	2019 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), Dubai, United Arab Emirates.	11-12 Dec. 2019
		"Medicclaim Fraud Detection And Management Using Predictive Analytics"	2019 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE) Dubai, United Arab Emirates.	11-12 Dec. 2019
3	Dr. Radha Senthilkumar	"Land Cover Change Detection Based on Satellite Image using Deep Stacking Networks"	International Conference on Communication and Electronics Systems (ICCES), Coimbatore	17-19, July 2019.
4	Dr. S. Umamaheswari	"BIoT: Blockchain based IoT for Agriculture"	11th International Conference on Advanced Computing (ICoAC), Chennai	18-20, Dec. 2019
		"Encoder-Decoder Architecture for Crop-Weed Classification Using Pixel-Wise Labelling",	International Conference on Artificial Intelligence and Signal Processing (AISP) VIT, Andhra Pradesh,	10-12 Jan 2020
5	Dr. J.Dhalia Sweetlin	"Feature Selection using Flower Pollination Optimization to Diagnose Lung Cancer from CT Images"	Future of Information and Communication Conference 2020 (FICC) San Francisco, United States.	5-6 March 2020,
6	Dr. G. Rajesh	"A multi-objective routing optimization using swarm intelligence in IoT networks"	International Conference on Technology Innovation and Data Sciences, Lincoln university, KL, Malaysia.	11-12, october 2019
7	Dr. D Sangeetha	"A CNN Based Similarity Learning For Cardiac Arrhythmia Prediction"	11th International Conference on Advanced Computing (ICoAC), Chennai, India,	2019
		"WC-PAD: Web Crawling based Phishing Attack Detection"	2019 International Carnahan Conference on Security Technology (ICCST), CHENNAI, India,	2019
		"MEDIDRONE—A Predictive Analytics-Based Smart Healthcare System"	6th International Conference on Big Data and Cloud Computing Challenges UMKC, Kansas,USA	Sep 9-10,

8	Mrs. M. Hemalatha	“Domain-specific semantic guided approach to Video captioning”	2020 IEEE Winter Conference on Applications of Computer Vision (WACV), Snowmass Village, CO, USA	March 2 - 5, 2020
		“Natural Language Description for Videos Using NETVLAD and Attentional LSTM”	International Conference for Emerging Technology (INCET), Belagavi, Karnataka, India.	June 05, 2020
9	Ms.T.Nathezhtha	"WC-PAD: Web crawler based phishing attack detection"	IEEE (53rd) International Carnahan Conference on Security Technology 2019, Chennai	October 01-03, 2019
10	Ms.R.Shanmuga Priya	“Deep Learning Based Forest Fire Classification and Detection in Satellite Images”	11th International Conference on Advance Computing, Chennai	December 18-20, 2019.

10) Journals published during the period **01.07.2019 to 30.06.2020**

b. Research papers published In **International Journals**

Sl. No.	Name of the Title	Author's Name	Name of the Publisher	Month & Year
1	“IADF security: insider attack detection using fuzzy logic in wireless multimedia sensor networks”, Springer Journal on Soft Computing: A Fusion of Foundations, Methodologies and Applications, Vol. 24, No. 18, pp. 13893–13902.	Ashwinth Janarthan, Dhananjay Kumar, R. Remo Antony, and C. B. Divya Parvathe.	Springer	February 2020
	“Localization Based Evolutionary Routing (LOBER) for Efficient Aggregation in Wireless Multimedia Sensor Networks”, Computers, Materials & Continua, vol 60,no.3,pp.895-912.	Ashwinth Janarthan and Dhananjay Kumar	Computers, Materials & Continua	September 2019
	“A model based segmentation approach for lung segmentation from chest computer tomography images”, Springer - Journal of Multimedia Tools and Applications, Vol. no. 79, no. 15-16, pp. 10003–10028.	Vivekanandan Dharmalingham, and Dhananjay Kumar	Springer	July 2019
2	“Probabilistic collision estimation for tracked vehicles based on corner point self-activation approach”, Computers and Electrical Engineering, ELSEVIER, volume 74, pp. 557-568, 2019,	Sathiya, P., Anandhakumar, P.	ELSEVIER	2019

	“ A new GLoSM embedded virtual machine model for big data services in cloud storage systems ”, Cluster Computing, 2019, 22, pp. 399-405, https://doi.org/10.1007/s10586-018-2109-z ,	Kalai Arasan, K., AnandhaKumar, P	Springer	2019
	“Non-rigid registration of brain MR images for image guided neurosurgery using cloud computin ”, Lecture Notes in Computational Vision and Biomechanics, 2019, Volume 31, pp. 49-59. SPRINGER book series (LNCVB)	Preetha Evangeline, D., Anandhakumar, P	Springer	2019
	“Cauchy Mixture Model-based Foreground Object Detection with New Dynamic Learning Rate Using Spatial and Statistical information for Video Surveillance Applications ”, Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, https://doi.org/10.1007/s40010-019-00620-9 ,	Sowmiya, D., Anandhakumar, P.	National Academy of Sciences India	2019
	“Digital twin technology for “smart Manufacturing”, Advances in computers, Elsevier, Vol 117,No1, pp 35-49.	Preetha Evangeline, D., Anandhakumar, P.	Elsevier	2020
3	"A Study of Resource Allocation Techniques in Cloud Computing, International Journal of Business Information System, DOI: 10.1504/IJBIS.2020.10020859.	Chitharanjan K, Radha Sethilkumar.	Internation Journal of Business Information	2020
	“Combining pixel selection with covariance similarity approach in hyperspectral face recognition based on convolution neural network”, Microprocessors and Microsystems, Volume 76, 2020,	Ashok Kumar Rai, Radha Senthilkumar, Aswin Kumar R.	Internation Journal of Business Information	2020
4	"Detection of Alzheimer’s disease using Intelligent Selection and Transfer Learning ",International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST),ISSN (ONLINE):2456-5717, Vol.6, Issue.6,	Kola Sujatha P, Reshma H, Karthick Paramasivan P S and Mohamed Adhil R	International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST),	June 2020.
5	“A Survey on malware analysis and mitigation techniques”, Computer Science Review, published by Elsevier. Vol. 32, pp. 1-23 (2019). 9. 10.	Sibi Chakkravarthy S, Sangeetha D, Vaidehi V	Computer Science Review	2019
	"Role-based policy to maintain privacy of patient health records in cloud.", Journal of Supercomputing, published by	Tembhare, A., Sibi Chakkaravarthy, S., Sangeetha, D,	Journal of Supercomputing	2019

	Springer. Vol. 75, pp. 5866-5881 (2019).			
	, ""Design of Intrusion Detection Honeypot Using Social Leopard Algorithm to Detect IoT Ransomware Attacks", IEEE Access, published by IEEE. Vol. 8, pp. 169944-169956 (2020).	. Sibi Chakkaravarthy, D. Sangeetha, M. V. Cruz, V. Vaidehi and B. Raman	IEEE Access	2020

11) Books written by the Faculty members during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Books written	Name of the Faculty	Name of the Publisher	Month & Year
1	“Optimal Scheduling of Tasks in Cloud Computing using Hybrid Firefly-Genetic Algorithm”, Lecture Notes on Learning and Analytics in Intelligent Systems, Vol 2, Springer Verlag, pp. 678-687, Aravind Rajagopalan, Devesh R. Modale and Radha Senthilkumar.	Dr. Radha Senthilkumar	Springer Verlag (Book Chapter)	March 2019.
	“Comprehensive Indexing and Relaxed Querying of Compressed XML Data (CIRCX)”, Emerging Issues in science and Technology, vol 3. Radha Senthilkumar, Gomathi Nandagopal, G. Radhika, V. Renuka.		Springer (Book Chapter)	2020.
2	"KIDNET: Kidney Tumor Diagnosis System Design Using Deep Convolutional Neural Network"	Umammaheswari, S.	IGI Global, USA	2020
	"Deep Neural Network Based Android Malware Detection (DAMD)"	Sangeetha, D	IGI Global, USA.	2020

13) List of achievements during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Achievements	Name of the Faculty	Venue	DATE
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1	<p>Chaired a session during "Kaleidoscope 2019 - ICT for Health: Networks, standards and innovation" hosted by Georgia Institute of Technology, Atlanta, Georgia, USA, Member of Technical Program Committee (TPC) of Kaleidoscope events of ITU-T, Geneva.</p>	<p>Dr. Dhananjay Kumar</p>	<p>Georgia Institute of Technology, Atlanta, Georgia, USA</p>	<p>During 04-Dec-2019 to 06-Dec-2019</p>
2	<p>Participated as a Mentor in Smart India Hackathon, 2020, Software Edition</p>	<p>Dr. D. Sangeetha</p>	<p>\Online</p>	<p>1 Aug 2020 to 3-Aug.2020</p>
3	<p>Designed and coordinated a product based application titled, "Anna University Visitor Management System "(AUVMS)</p>		<p>Anna University</p>	<p>June 2020</p>

