

Eligibility & Regulations:

1. <http://research.vtu.ac.in/>,
2. <https://vtu.ac.in/en/ph-d/#>
3. <https://vtu.ac.in/en/msc/>
4. <https://vtu.ac.in/en/ph-d-syllabus/>

Research Supervisors:

S.#	Name	Designation	Specialization	R&D No. of students
1.	Dr. Lognathan R	Prof and HOD	Computer Science and Engineering -Image Processing	6
2.	Dr. Waseem Ahmed	Professor	Computer Science and Engineering Parallel Processing	1
3.	Dr. Naveena C	Professor	Computer Science and Engineering Image processing	1
4.	Dr. A Syed Mustafa	Professor and HOD	Computer Science and Engineering Web Services	1

Patents filed:

1. Tabassum Ara- An Indian Patent Application No. 201941024650 A, Title “AN APPARATUS TO DESIGN A DYNAMIC KEY DEPENDENT S-BOX FOR SYMMETRIC ENCRYPTION FOR IOT DEVICES ” dated 20/06/2019 and patent published on 28/06/2019.
2. Tabassum Ara- An Australian Patent No. 2018101651, Title “ AN APPARATUS TO DESIGN A DYNAMIC KEY DEPENDENT S-BOX FOR SYMMETRIC ENCRYPTION FOR IOT DEVICES ” granted on 05/12/2018
3. Loganathan R et all, “Car Indoor Air Pollution Monitoring and Controlling System”, ApplicationNo.202041011747 A, Indian Patent Office, The Patent Office Journal No. 12/2020 Dated 20/03/2020, Page-14833.

Publications:

#	Author	Title of the paper	Name of the journal	Volume, issue	Pages	Month Year	Impact Factor	Indexing	DOI/ISSN
1.	Chandrakala H L, Loganathan R.	A Harmonized Dynamic Quality of Service Aware Data Replication Strategy in Cloud	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	8,11	3521-3528	September, 2019	5.54	Scopus	10.35940/ijitee.K2481.0981119
2.	Tabassum Ara M. Prabhakar	Multifactor Authentication and Key Management Protocol for WSN-assisted IoT Communication	Journal of Telecommunications and Information Technology	2019/3	17-26	September 2019		Scopus	https://doi.org/10.26636/jtit.2019.134019
3.	Ismath Unnisa, Loganathan R.	Human Facial Emotion Recognition using Adaptive Sigmoidal Transfer Function in MLP Neural Network	International Journal of Engineering and Advanced Technology (IJEAT)	9,1	4103-4113	October 2019	5.97	Scopus	10.35940/ijeat.A1347.109119 ISSN: 2249 – 8958
4.	Smitha Kurian, Loganathan R.	AODV based Service Discovery Protocol with Two Hop Neighbour Information	International Journal of Recent Technology and Engineering (IJRTE)	8,4	4068-4072	November-2019	5.92	Scopus	10.35940/ijrte.D8574.118419 ISSN: 2277-3878,
5.	Loganathan R, Smitha Kurian	Automated Allocation of Resources	International Journal of Engineering and	9,2	1052-1055	December 2019	5.97	Scopus	DOI: 10.35940/ijeat.B3510.129219

		for Examination System Using Genetic Algorithm	Advanced Technology (IJEAT)						
6.	K.Sangeetha Supriya, Ramesh. Vatambeti	Link Availability Based Routing Protocol for Mobile Ad-Hoc Networks based on Link Life Time prediction	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	9,2	3634-3638	December 2019	5.54	Scopus	DOI: 10.35940/ijitee.B7934.129219
7.	Souder Rajan Thennarasu, M. Selvam and K. Srihari	A new whale Optimizer for workflow scheduling in cloud computing environment	Journal of Ambient Intelligence and Humanized Computing			January 2020		Springer, Scopus	DOI 10.1007/s12652-020-01678-9 ISSN 1868-5137
8.	Pundalik Chavan, K. Satyanarayan Reddy	QoS Aware Video Transmission in Wireless Network: Successful and Failure Existing Technique	International Journal of Recent Technology and Engineering (IJRTE)	8,5	516-523	January 2020	5.92	Scopus	DOI:10.35940/ijrte.E5071.018520 ISSN: 2277-3878,
9.	Ramesh. Vatambeti, D. Pramodh Krishna,	A Novel Scheme for Energy	International Journal of Advanced Science	29,3	5281-5287	March 2020	0.13	Scopus	ISSN: 2005-4238

	K.Sangeetha Supriya	Conservation and reduction in Routing Overhead of AODV for Wireless Ad-Hoc Networks	and Technology						
10.	R.P.Shyni Vinse, B.Mary Nathisiya	A Survey on Innovative Smart IoT Applications trending in Agriculture	International Research Journal of Engineering and Technology (IRJET)	7,4	2821-2823	April 2020	-	-	e-ISSN: 2395-0056 p-ISSN: 2395-0072

#	Author	Title of the paper	Name of the journal	Volume, issue	Pages	Year	Impact Factor/DOI/ISSN
11.	Jobin Thomas, Akhlath Faize, Muhammad Zaraar, Furquan Shafi, Syed Tahir	Predicting the Risk of Heart Failure and Mortality of Heart Failure Patients: A survey	JASC: Journal of Applied Science and Computations	5,11	1740-1747	Nov 2018	1076-5131 DOI:16.10089.JASC.2018.V5I11.453459.150034
12.	Pakruddin B, Vishruth ND, Shreeshyam H S, Saurabh, Osama Mustaqim	A Survey on Smart Agricultural Farming Using IOT	JASC: Journal of Applied Science and Computations	5,11	1782-1787	Nov 2018	1076-5131 DOI:16.10089.JASC.2018.zV5I11.453459.150040
13.	Ali Ahmed, Tabassum Ara, Akash Kumar Jain S,	Threat Intelligence Sharing: A Survey	JASC: Journal of Applied Science and Computations	5,11	1811-1815	Nov 2018	1076-5131 DOI:16.10089.JASC.2018.V5I11.453459.150043

	Mehnaz Khanam, Mohammed Lutf						
14.	Smitha Kurian, Bibeek Gautam, Farhanahmed, Ganesh chaulagain, Manjunath Y	A Survey on Security by Encryption of Data and Efficient Data Retrieval over Cloud	JASC: Journal of Applied Science and Computations	5,11	1869-1872	Nov 2018	1076-5131 DOI:16.10089.JASC.2018.V5I11.453459.150052
15.	Bhagya K, Kishan Yadav, Mrinal Ghosh, Mohammed Mohsin, Rahul Prasad Kushwaha	A survey on IOT Based Smart Parking System	JASC: Journal of Applied Science and Computations	5,12	48-51	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.150089
16.	Dr Loganathan R, Ayaan Khan, Ayesha Ameen, Deena Naushad, Mohammed Hayat S Hussain Mujawar	A Survey on Solving Mental Health Problems Using Machine Learning	JASC: Journal of Applied Science and Computations	5,12	52-55	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.150090
17.	Juveriya Afreen, Arfa Mehak, Reshma Banu, Mounika I S, Raksha G K	A Survey on Person Identification Using Soft Biometrics	JASC: Journal of Applied Science and Computations	5,12	89-92	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.150096
18.	Noor e Saba, Shazad Hai, Shifa, Shruthi.S,	A Survey on Intelligent Traffic Congestion Control System	JASC: Journal of Applied Science and Computatio	5,12	93- 95	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.150097

	Vijay Raj.P		ns				
19.	Amreen Khanam, S.K. Abdul Basith, Anjana Dinesh, Mohammed Imaduddin, Noor Fathima	A Survey on Smart Glasses: An audio assistant for visually impaired	JASC: Journal of Applied Science and Computations	5,12	96-101	Dec-2018	1076-5131 DOI:16.10089.JASC.2018. V5I12.453459.150098
20.	Neelam Malyadri, Ruksar Banu Z, Saba Sadiqa, VT Naseem Taj, Ashika B	Monitoring and Maintenance of Highway bridges Using Flex Sensors	JASC: Journal of Applied Science and Computations	5,12	102-105	Dec-2018	1076-5131 DOI:16.10089.JASC.2018. V5I12.453459.150099
21.	Mrs. Archana Hombalimath, Adithi Miriam Thomas, Baseera M, Meghana K S, Almas Fathima	A Survey on Fog Computing In Iot Based Healthcare System	JASC: Journal of Applied Science and Computations	5,12	212-215	Dec-2018	1076-5131 DOI:16.10089.JASC.2018. V5I12.453459.1500115
22.	Vijayalaxmi V, Nireeksha B D, Rashmi N, Sushma V B, Varsha V	A Survey on Image Caption Generation using LSTM algorithm	JASC: Journal of Applied Science and Computations	5,12	239-242	Dec-2018	1076-5131 DOI:16.10089.JASC.2018. V5I12.453459.1500119
23.	Krishna Girish, Md. Tajdar Raza, Radha Sharma, Sandesh Singh, Sara Khan	A survey on Face Detection and Face Recognition	JASC: Journal of Applied Science and Computations	5,12	315-317	Dec-2018	1076-5131 DOI:16.10089.JASC.2018. V5I12.453459.1500133

24.	Priya Rathod, Maaz Ahmed, Mohammed Masood Ansari, Tabish Alam, Shruthi N	A survey on implementation of IoT using Blockchain with authentication and data protection	JASC: Journal of Applied Science and Computations	5,12	337-343	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.1500136
25.	Manjula H T, Mohammed Thaha Jk, Mohammed Farhan R, Rahil Ahmed, Spriha Singh	Iot Based Smart Mirror For A Smart Home: Mirrors I Like To Face	JASC: Journal of Applied Science and Computations	5,12	370-375	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.1500140
26.	Prof. Khallikunaisa, Chethan KN, Gayathri S, Hashvitha A, Kavya TV	Smart Waste Management System Using IOT	JASC: Journal of Applied Science and Computations	5,12	450-453	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.1500150
27.	Dr.Pushpa Mohan, Aafrin M Ashraf, Ayesha Jaweriya, Bharat Raina, Krithika P	Survey on Human personality Prediction through Handwriting Analysis	JASC: Journal of Applied Science and Computations	5,12	502-508	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.1500159
28.	Dr. Loganathan R, Ayesha Siddiqua, Gifta J.Y, Linta Ann Wilson, Lucky Sharma R	A Survey Paper on Voice Mail	JASC: Journal of Applied Science and Computations	5,12	682-684	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.1500183
29.	Chandrakala H L, Saffiya Tasneem,	Construction of WSN for Protection of Forest	JASC: Journal of Applied Science and	5,12	740-744	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.1500193

	Safura Afreen, Tamanna Farheen, Uzma javaid	Trees Against Burglary	Computations				
30.	Tabassum Ara, M. Prabhkar and Pritam Gajkumar Shah	Energy Efficient Secured Cluster based Distributed Fault Diagnosis Protocol for IoT	International Journal of Communication Networks and Information Security (IJCNIS)	10,3	539-545	Dec-2018	-
31.	Neelam Malyadri, Pakruddin B	Analyzing Stress of People Based on Social Interactions in Social Networks	JASC: Journal of Applied Science and Computations	5,12	1788-1799	Dec-2018	1076-5131 DOI:16.10089.JASC.2018.V5I12.453459.150089
32.	Amreen Khanam, Archana Hombalimath, Manjula H T, Krishna Girish	A Survey on Prescriptive Analytics	JASC: Journal of Applied Science and Computations	6,1	1391-1394	Jan 2019	
33.	Tabassum Ara Pritam Gajkumar Shah Prabhakar M	Dynamic Key dependant S-Box for symmetric Encryption for Iot Devices	2018 Second international conference on Advances in Electronics, Computer and Communications(ICAECC-2018),IEEE conference	-		2017	DOI: 10.1109/ICAECC.2018.8479442
34.	Pushpa Mohan Dr. Kirann Kumari Patil	Crop Production Rate Estimation Using Parallel layer Regression with deep belief network	International Conference on Electrical, Electronics, Communication		168-173	2017	

			tion, Computer and Optimizatio n Techniques (ICEECCO T)				
35.	Amreen Khanum Malikarjun a M	A Survey on Demand Response Management - an approach for load balancing in Smart Grids	Asian Journal of Engineerin g and Technolog y Innovation		30-33	2017	ISSN:2347-7385
36.	Imranulla Khan, Dr. loganathan R	Contract Documents Online Management Systems	National Conference on KDICE,Bri ndavan College of Engineerin g			May 2018	
37.	Manzoor Ahmed Dr. Loganatha n R	Analyzing Programing Skills through Online Compiler	National Conference on KDICE,Bri ndavan College of Engineerin g			May 2018	
38.	M A Abdul Rahman , Khallikkun aisa , Nagma Feroz , Rajat C , Md Muzakki	Smartphone Controlled Drone (Smone)	National Conference on KDICE,Bri ndavan College of Engineerin g	3,1		May 2018	
39.	Bhagya K	RFID Featured three level authentication presented systems for Tenable transaction and abridgement of ATM card - 1300	National conference on Science Engineerin g and Manageme nt			May 2018	

40	Adeel Ahmed Khan, Mohsin Khan, Waseem Ahmed	Improved Scheduling of Virtual machines on cloud with multi-tenancy and resource	IEEE International Conference - heterogeneity ICACDOT - Conducted at I2IT, Pune, Technically sponsored by IEEE, Pune section.	-	2016	-
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Research Projects:

Ongoing Project-1

Research Supervisor: Dr. Loganathan R						
Title: “Hybridization of face and Associated Emotion Recognition using Evolved Neural Network”						
Research Scholar	USN	Full time/ Part time	Date of Registration	Status of Progress		
Ismath Unnisa	1HK15PEJ06	Part time	2015	Open seminar-2 completed		
Paper Publication						
#	Author	Title of the paper	Name of the journal	Volume, issue	Month, Year	DOI/ ISSN
1.	Ismath Unnisa, Loganathan. R	Human Facial Emotion Recognition using Adaptive Sigmoidal Transfer Function in MLP Neural Network	International Journal of Engineering and Advanced Technology (IJEAT)	9,1	October 2019	10.35940/ijeat.A1347.109119 ISSN: 2249 – 8958
2.	Ismath Unnisa, Loganathan. R	PCA-Adaptive RBF Neural Network Hybridization for High Speed Face Recognition	International Journal of Advanced in Management, Technology and Engineering Sciences	7,8	2017	ISSN NO: 2249-7455

Ongoing Project-2

Research Supervisor: Dr. Naveena C						
Title: “An Approach Towards Grading and Classification of Fruit Disease”						
Research Scholar	USN	Full time/ Part time	Date of Registration	Status of Progress		
Ranjit K N	1HK15PEJ03	Part time	2015	Final viva completed		
Paper Publication						
#	Author	Title of the paper	Name of the journal	Volume, issue	Month, Year	DOI/ ISSN
1.	Ranjith K N, Naveen C, Chethan H K	Fruit Disease Classification based on Texture Features	<i>International Journal of Computer Applications</i>	178,49	September 2019	(0975 – 8887)
2.	Ranjit K, Raghunandan K S, Naveen C, Chethan H K and Sunil C	A Symbolic Representation and Classification of Fruits	International Journal of Computing and Digital Systems	8,6	November -2019	ISSN (2210-142X) http://dx.doi.org/10.12785/ijcads/080604
3.	Ranjit K N*, Raghunandan K S, Naveen C, Chethan H K, Sunil C	Deep Features Based Approach for Fruit Disease Detection and Classification	International Journal of Computer Sciences and Engineering	7,4	April 2019	E-ISSN: 2347-2693
4.	Ranjit K N, Chethan H K Naveena C	Identification and Classification of Fruit Diseases	Int. Journal of Engineering Research and Application	6.7	July 2016	ISSN : 2248-9622

Ongoing Project -3

Research Supervisor: Dr. Loganathan R				
Title: “Design and Develop an Adaptive and effective dynamic adaptive algorithm”				
Research Scholar	USN	Full time/ Part time	Date of Registration	Status of Progress
Chandrakala H L	1HK14PEM01	Part time	2014	Open seminar-1 completed

Paper Publication						
#	Author	Title of the paper	Name of the journal	Volume, issue	Month, Year	DOI/ ISSN
1	Chandrakala H L, Loganathan R.	A Harmonized Dynamic Quality of Service Aware Data Replication Strategy in Cloud	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	8,11	September,2019	10.35940/ijitee.K2481.0981119

Ongoing Project -4

Research Supervisor: Dr. Loganathan R				
Title: “A study of Recent Advances in image reconstruction, Classification and Medical Imaging Techniques with Adaptive, Active and RealTime Algorithms”				
Research Scholar	USN	Full time/ Part time	Date of Registration	Status of Progress
Harmine Khalil	1HK16PEJ01	Part time	2016	Course work completed

Ongoing Project-5

Research Supervisor: Dr. Loganathan R				
Title: “Development of Novel Approach to handled heterogeneous labeled data sets for quantitative and Qualitative labels for Predictive Functions”				
Research Scholar	USN	Full time/ Part time	Date of Registration	Status of Progress
Zabiha Khan	1HK16PEJ02	Part time	2016	Comprehensive viva Completed

Paper Publication						
#	Author	Title of the paper	Name of the journal	Volume, issue	Month, Year	DOI/ ISSN
1.	Zabiha Khan, Dr. Loganathan R	Radiomics in Prostate MRI: A Review on Opportunities and Challenges	International Conference on Innovation in Engineering , Science, Technology and	1,1	May 2019	-

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Ongoing Project-6

Research Supervisor: Dr. Loganathan R						
Title: “A secure and an Efficient approach for service discovery in Mobile Adhoc Network”						
Research Scholar	USN	Full time/ Part time	Date of Registration	Status of Progress		
Smitha Kurian	1HK17PEA02	Part time	2017	Comprehensive viva Completed		
Paper Publication						
#	Author	Title of the paper	Name of the journal	Volume, issue	Month, Year	DOI/ ISSN
1.	Smitha Kurian, Loganathan R.	AODV based Service Discovery Protocol with Two Hop Neighbour Information	International Journal of Recent Technology and Engineering (IJRTE)	8,4	November-2019	10.35940/ijrte.D8574.118419 ISSN: 2277-3878,

Ongoing Project-7

Research Supervisor: Dr. Loganathan R						
Title: “Prediction of Violent Crime Occurrence Using Deep Learning(Autoencoder)”						
Research Scholar	USN	Full time/ Part time	Date of Registration	Status of Progress		
Duba Sriveni	1HK18PCS01	Part time	2018	Course Work in Progress		
Paper Publication						
#	Author	Title of the paper	Name of the journal	Volume, issue	Month, Year	DOI/ ISSN
1.	Duba Sriveni , Dr. loganathan R	A Survey On Prediction Of Violent-Crime Occurrence Using Deep Learning(Autoencoder)	International Conference on Innovation in Engineering , Science, Technology and Management	1,1	May 2019	-

Ongoing Project-8

Research Supervisor: Dr. A. Syed Mustafa

Title: “Multiconditional Joint facial action unit Detection-Neural Network”

Research Scholar	USN	Full time/ Part time	Date of Registration	Status of Progress
Ms. Nazmin Begum	5VX17PES38	Part time	2017	Course Work completed