<div align="center">**Faculty Profile**</div>

Name   : *Dr R SHANKAR*

Designation   : Associate Professor

Address   : 99, NAICKER STREET

                                 E.CHETTIPALAYAM(PO)

                                 NAMBIYUR(TK)

                                 638458

Contact Number   : 9443492044

Email ID   : shankarcgac@gmail.com

Date of Joining in Collegiate Education   : 26/12/2007

Date of Joining in the Present College   : 16/07/2010

Academic Profile   :

Degree	Institute/College	University	Period
B.Sc. Physics	Gobi Arts and Science College, Gobi Chettipalayam	Bharathiar University	1992-1995
MCA	Gobi Arts and Science College, Gobi Chettipalayam	Bharathiar University	1995-1998
M.Phil. Comp. Science	Erode Arts and Science College, Erode	Bharathiar University	2002-2004
Ph.D Comp. Science	Govt. Arts College, Udumalpet	Bharathiar University	2011-2018

Teaching Experience   :

     i)   **Total**   :   24 **Years   6 Months**

     ii)   **UG**   :   24   Years   6 Months

     iii)   **PG**   :   21   Years   6 Months

Name of the college	Position held	Period
Chikkanna Govt. Arts college , Tirupur	Associate Professor & Head of CS	02/01/2023 to till date
Chikkanna Govt. Arts college , Tirupur	Assistant Professor of CS	2010-01/01/2023
Government Arts College, Udhagamandalam	Assistant Professor & Head of CS	2007-2010
Maharaja Arts and Science Colleg Coimbatore	Lecturer and Head of CS	1999-2007

Honors and Research Awards : NIL

Field of Interest :

    i) **Teaching** : All Programming Languages
    ii) **Research** : **Advanced Computer Networks, Cloud Computing**
    iii) **Proficiency in instrumentation** :

Research Guidance
Guidance Number : M.Phil 14371/A2/2004 08/11/2004
    Ph.D 25570/A2/2018 29/10/2018

(If have more than one university, given them against university name)

S. No	M.Phil/ Ph.D	Name of the Student	Completed/ ongoing
1	M.Phil	Geetha	Completed
2	M.Phil	Ruby Kuria Kose	Completed
3	M.Phil	Gomathi K	Completed
4	M.Phil	Girija T	Completed
5	M.Phil	Bhuwaneswari	Completed
6	M.Phil	Vijayalaxmi	Completed
7	M.Phil	Vanaja K	Completed
8	M.Phil	Thiyagarajan	Completed

S. No	M.Phil/ Ph.D	Name of the Student	Thesis Title	Completed/ ongoing
9	M.Phil	Anand S	COMPARATIVE ANAYSIS AND IMPLEMENTATION OF INCREMENTAL LEARNING OF CONCEPT DRIFT FROM DATA STREAMING IMBALANCED DATA	Completed
10	M.Phil	Devi T	AN AGENT BASED FILES SHARING ON MOBILE PEER TO PEER ENVIRONMENT	Completed
11	M.Phil	Krishna Doss M	CLUSTERS IN HIGH-DIMENSIONAL SPACES FOR USING DATA MINING	Completed
12		Viji S	ANT COLONY TRUST BASED SECURE DETECTION IN WIRELESS SENSOR NETWORK	Completed
13	M.Phil	N Sujatha	PRIVACY PRESERVATION AGAINST TRAFFIC ANALYSIS IN WIRELESS NETWORKS	Completed
14	M.Phil	S.Kokila	A TEXT MINING ACCESSFOR MALWARE DETECTION USING FUZZY C-MEANS CLUSTERING (FCM)	Completed
15	M.Phil	Jambunathan	MAXIMIZING P2P FILE ACCESS AVAILABILITY IN MOBILE Ad Hoc NETWORKS THOUGH REPLICATION FOR EFFICIENT FILE SHARING	Completed
16	M.Phil	Ganeshamoorthy A	RULE BASED MINING METHODOLOGY FOR DATASET CLASSIFICATION	Completed
17	M.Phil	Chandrapriyadharshini C	CREDIT RISK CALCULATION AND LOAN REPAYMENT SUGGESTION FOR BANK DATA USING DATA MINING TECHNIQUE	Completed
18	M.Phil	Sathasivam M	SECURE AND RELIABLE ROUTING PROTOCOL DESIGN FOR MITIGATING ATTACKS IN MANET	Completed
19	M.Phil	Rewathy T	A TEXT MINING ACCESSFOR MALWARE DETECTION USING FUZZY C-MEANS CLUSTERING	Completed
20	M.Phil	R Gowri Prakash	A SECURE SEMANTIC EXPANSION BASED SIMILAR SEARCH SCHEME OVER ENCRYPTED CLOUD DATA	

21	M.Phil	M Gayatri	AIR POLUTION PREDICTION USING DATA MINING TECHNIQUE	Completed
Ph.D				
1	Ph.D	R Gowri Prakash	DESIGN AND IMPLEMENTATION OF AN OPTIMAL LOAD BALANCING BY NETWORK TRAFFIC AND WORKLOAD AWARE VM CONSOLIDATION IN CLOUD COMPUTING	Completed
2	Ph.D	A Krishnaveni	NOVEL OPTIMIZATION ALGORITHMS FOR MEDICAL IMAGES SEGMENTATION AND CLASSIFICATION	Completed
3	Ph.D	K Anandan	AN EFFICIENT CNN APPROACH TO PREDICT THE SOIL TEXTURE PROPERTIES IN AGRICULTURE SECTOR	Completed
4	Ph.D	S.Arulmozhi	An Enhanced Optimization Algorithms with Convolutional Neural Network for Detection and Diagnosis of Pancreatic Tumor Medical Image Classification	Completed
5	Ph.D	Mohanapriya K		ongoing
6	Ph.D	Poongundran R		ongoing
7	Ph.D	Sasirekha		ongoing
8	Ph.D	Sivaranjani		ongoing
9	Ph.D	Kokila A		ongoing
10	Ph.D	Jothilatha S		ongoing

Funded Projects   : NIL

Membership in Professional Bodies   : NIL

S. No	Name of the Professional Body	Membership Detail with Number

Research Publications   :

     i)   **Research Papers**   : 48   (Annexure – I)

     ii)   **Book/Book Chapters**   : NIL

     iii)   **Patent**   : NIL

National and International Conferences   : (Annexure – II)

     i)   **Participated**   **: 19**

ii) Paper Presented   **: 13**
iii) Poster Presented   **: NIL**

Conference/Seminars Organized   : 01

Workshop attended   : 03

Resource Person/Invited Lectures   : NIL

Faculty Development Programs Attended   :

Course	University /Institute	Subject	Period
Orientation Programme	Madras University	Computer Science	26.12.2007- 24.1.2008
Refresher Course	Bharathiar University	Computer Science	03.12.2009 - 23.12.2009 (21 Days)
Refresher Course	Bharathiar University	Computer Science	13.11.2015 - 03.12.2015(21 Days)
Refresher Course	Bharathiar University	Computer Science	17.11.2017 - 07.12.2017(21 Days)
Refresher Course	Bharathiar University	Computer Applications(ID)	12.09.2019 - 25.09.2019(14 Days)

Academic Activities   :

   i) Subject Handled   **: Computer Science Subjects**

        UG & PG

   ii) Class Advisor   **UG & PG**

   iii)Special Coaching   Remedial classes for weak students

   iv) Student Community Beneficial Activities   Remedial classes

   v) Co-curricular and extra-curricular activities

Professional Activities   :

   i) Reviewer

S.No	Reviewer - Journal Name
	i) Multimedia Tools and Applications
	ii) Concurrency and Computation: Practice and Experience

	iii) Journal of Medical Systems
	iv) Measurement: Sensors

ii) Board of Studies/UR

S.No	BOS	Period
1	Bharathiar University,Coimbatore (UG Degree)	2009-2012
2	Dr SNS Rajalakshmi College of Arts and Science (BCA Degree)	2019-2022
3	Bharathiar University,Coimbatore (PG Degree)	2022-2023

iii) Examiner/Scrutiny

S.No	Examiner	Scrutiny College/University
1	Bharathiar University Examinations and affiliated colleges	i) Park's College, Tirupur ii) Dr NGP Arts and Science College, Coimbatore iii) Periyar University Salem

iv) Senate/Syndicate :

Senate Member Bharathiar University: From 08/12/2023 to Till Date

National/ International Collaborations : NIL

Dr R .Shankar - Publications

ANNEXURE – I

2014

1. **R.Shankar** and **Dr.E.Karthikeyan**, VoIP Packet Delay Techniques : A Survey, Global Journal of Computer Science and Technology(GJCST),Vol.14, No.3, PP. 1-6, 2014. https://computerresearch.org/index.php/computer/article/view/102

2. **R.Shankar** and **M.S.Viji** , Ant Colony Trust Based secure detection in wireless sensor networks, International Journal of Advanced Research in Computer and Communication Engineering(IJARCCE) ,Vol.3, issue 12, December 2014, ISSN (Online) : 2278-1021 https://ijarcce.com/wp-content/uploads/2015/01/IJARCCE1N-S-sriviji-ANT-COLONY _TRUST-BASED.pdf

2015

3. **R.Shankar** and **Dr.E.Karthikeyan**, A new secured VoIP using Verifiable Secret Sharing, ARPN Journal of Engineering and Applied Science **(Scopus Indexed)**,Vol.10, No.4, PP. 1766-1769, 2015. ISSN: 1819-6608, Impact Factor:0.52, https://pdfs.semanticscholar.org/1eab/8a27a197348a4ab066f1dadb3791969fce35.pdf

4. **R.Shankar** and **Dr.E.Karthikeyan**, Comparative Analysis and Implementation of Verifiable Secret Sharing Over a Single Path in VoIP Security with Reliable Time Delay, International Journal of Advanced Networking and Applications (IJANA), Special Issue, PP. 24-27, 2015 ISSN (Online) : 0975-0282 https://pdfs.semanticscholar.org/b69c/a9880cf69b6407823f8add941d8fd1ac384e.pdf?_ga=2.2 3899577.2028078530.1575196206-38632047.1575196206

5. **R.Shankar** and **Dr.E.Karthikeyan**, A VoIP security assessment using verifiable secret sharing , Indian Journal of Engineering(IJE) ,Vol.12, No.30, PP. 326-334, 2015. ISSN: 1025- 2495, , Impact Factor:0.395, https://www.researchgate.net/publication/283668209_A_new_secured_VoiP_using_verifiable _secret_sharing

6. **R.Shankar** and **Kokila S**, Comparative Analysis of Internet Traffic Identification Methods, International Journal of Advanced Networking and Applications (IJANA),

Special Issue, PP. 24-27, 2015, ISSN (Online) : 0975-0282,
   https://www.ijana.in/Special%20Issue/file35.pdf

2016

7.   **R. Shankar** and **Dr.E.Karthikeyan**, Modified BAT Based Handoff Scheme and Verifiable Secret Sharing Security with M-M Scheme for VoIP in On Demand Video Streaming Applications, International Journal of Advances in Engineering and Emerging Technology (IJAEET) Vol 8, No.9, PP. 722-742, 2016. ISSN (Online) : 2321-452X, http://erlibrary.org/abstract.php?journalname=1&archiveid=339

2017

8.   **R.Shankar** and **Dr.E.Karthikeyan**, Ant Colony Optimization Based Handoff Scheme and Verifiable Secret Sharing Security with M-M Scheme for VoIP, International Journal of Intelligent Engineering & System**(Scopus Indexed)** Vol 10. No.5,2017   PP 267-277, 2017,ISSN:2185-3118, Impact Factor:1.90 ,http://www.inass.org/2017/2017103129.pdf

2018

9.   **R.Shankar** and **R.Gowriprakash** , A Survey on Semantic Search Encryption using Cloud Computing, International Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT),   Vol.3, issue 5, May-June-2018**,** ISSN : 2456-3307 ,ImpactFactor:6.135, https://ijsrcseit.com/PDF.php?pid=CSEIT1835187&v=3&i=5&y=2018&m=May-June

10.   **R.Shankar** and S.Duraisamy , Security Issues and Challenges in Cloud Computing, International Journal of Current Trends in Engineering & Research (IJCTER),   Volume 4 Issue 9,   September   2018   pp.   1   –   8.   ISSN: 2455-1392 .http://www.ijcter.com

11.   **R.Shankar** and S.Duraisamy , Different Service models and Deployment models of Cloud Computing: Challenges, International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT),   Volume 3 Issue 7, September 2018 pp. 71 – 78 Volume 3 Issue 7, September 2018 pp. 71 – 78,ISSN:2456-3307,Impact

Factor=6.135
https://ijsrcseit.com/PDF.php?pid=CSEIT18377&v=3&i=7&y=2018&m=September-October

12. **R.Shankar** and S.Duraisamy , Analysis of Data Mining Tasks, Techniques, Tools, Applications And Trends, *IOSR Journal of Computer Engineering (IOSR-JCE)*, *Volume 20, Issue 5, Ver. II (Sep - Oct 2018),* ISSN:2278-8727, Impact Factor=3.712 *PP 12-19* http://www.iosrjournals.org/iosr-jce/papers/Vol20-issue5/Version-2/C2005021219.pdf

13. **R.Shankar** and S.Duraisamy , Visual Analytics: Need, Process, Scope, Tools & Techniques and Challenges ,International Journal of Computer Sciences and Engineering(IJCSE),Vol.-6, Issue-10, Oct. 2018, ISSN:2347-2693,pp. 153 – 158. https://www.ijcseonline.org/pub_paper/27-IJCSE-05000.pdf

14. **R.Shankar** and S.Duraisamy , IoT Technology is Benefiting Today's Modern Farming Industry ,International Journal of Computer Sciences and Engineering(IJCSE),Vol.-6, Issue-11, pp.727-732, Nov-2018- (IJCSE, ISSN:2347-2693) Impact Factor: 3.022 https://www.ijcseonline.org/pub_paper/113-IJCSE-05330.pdf

15. **R.Shankar** and S.Duraisamy , Real-world attacks on zrtp with rsa algorithm using neural network classifier , Journal of Emerging Technologies and Innovative Research (JETIR),Vol.-5, Issue-12, pp.94-101, Dec-2018- ISSN: 2349-5162) Impact Factor: 5.87 http://www.jetir.org/view.php?paper=JETIR1812814

16. **M.Amsaveni R.Shankar** and **S.Duraisamy An Extensive Study towards Achieving Fine Grained Access Control Encrypted Cloud Data,** International Journal of Advanced Research in Computer Science Volume 9, No. 3, May-June 2018,ISSN No. 0976-5697, ImpactFactor:2.080,https://search.proquest.com/openview/2bca3c1b348d3f87f2d75aeb073eec65/1?pq- origsite=gscholar&cbl=1606379

2019

17. **A. Krishnaveni, R. Shankar, S. Duraisamy** "A Survey on Nature-Inspired Computing (NIC): Algorithms and Challenges" Global Journal of Computer Science and Technology: D Neural & Artificial Intelligence Volume 19 Issue 3 Version 1.0 Year 2019,0975-4172 & Print ISSN: 0975-4350,
https://globaljournals.org/GJCST_Volume19/4-A-Survey-on-Nature-Inspired-Computing.pdf

18. **R.Gowri Prakash, R. Shankar & S. Duraisamy,** "Survey on Load Balancing in Cloud Computing" Global Journal of Computer Science and Technology: B Cloud and Distributed Volume 19 Issue 2 Version 1.0 Year 2019 Type: Double Blind Peer Reviewed International

Research Journal Publisher: Global Journals Online ISSN: 0975-4172 & Print ISSN: 0975-4350.

https://computerresearch.org/index.php/computer/article/view/1881

2020

19. **M.Gayathri, R. Shankar & S. Duraisamy**, "Survey Air Pollution Prediction using Data Mining Technique " International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 8, August 2020 volume7-issue8 S.No: 740 e-ISSN: 2395-0056 p-ISSN: 2395-0072 https://www.irjet.net/archives/V7/i8/IRJET-V7I8740.pdf

20. **M.Gayathri, R. Shankar & S. Duraisamy,** "Data mining technique used for air pollution prediction" International Research Journal of Modernization in Engineering Technology and Science Volume:02/Issue:10/ October -2020 e-ISSN: 2582-5208 https://irjmets.com/rootaccess/forms/uploads/IRJMETS779996.pdf

21. **K.Anandan, R. Shankar & S. Duraisamy**," A review on deep learning approach to predict the soil moisture in agriculture sector" , JASC: Journal of Applied Science and Computations Volume VII, Issue VI, June/2020 ISSN NO: 1076-5131, http://j-asc.com/Volume-VII-Issue-VI-June-2020/, https://app.box.com/s/wxyvj1z6s7s194ou780se5ato38uxhyg

22. **S. Arulmozhi, R. Shankar and S. Duraisamy** A review: deep learning techniques for image classification of pancreatic tumor, ictact journal on image and video processing, august 2020, volume: 11, ISSUE: 01 DOI: 10.21917/ijivp.2020.0318 ISSN: 0976-9102 (ONLINE) ImpactFactor=0.786, http://ictactjournals.in/paper/IJIVP_Vol_10_Iss_4_Paper_3_2217_2223.pdf

23. **R.GowriPrakash, R.Shankar, S.Duraisamy,** "The Impact On Load-Balancing In Cloud Computing", International Journal of Scientific & Technology Research volume 9, issue 01, january 2020, ISSN 2277-8616 ,ImpactFactor=5.186 (SCOPUS Indexed). https://www.ijstr.org/paper-references.php?ref=IJSTR-1219-26560

24. **R.GowriPrakash, R.Shankar, S.Duraisamy,**"FUPA: Future Utilization Prediction Algorithm based Load Balancing Scheme for Optimal VM Migration in Cloud Computing", Proceedings of the Fourth International Conference on Inventive Systems and Control (ICISC 2020) IEEE Xplore Part Number: CFP20J06-ART; ISBN: 978-1-7281-2813-9. ImpactFactor=10.252(SCOPUSIndexed).https://ieeexplore.ieee.org/abstract/document/9171059

25. **A.Krishnaveni, R.Shankar, S.Duraisamy,** "A Review on various image thresholding methods for mammogram image segmentation", Compliance engineering journal ISSN NO: 0898-

3577 volume 11, Issue: 2 pp. 414-426 (2020) Impact Factor= 6.1 (UGC CARE). http://ijceng.com/gallery/46-cej-2727.f.pdf

26. **A.Krishnaveni, R.Shankar, S.Duraisamy,** "An Efficient Methodology for Breast Tumor Segmentation using Duck Traveler Optimization Algorithm", PalArch's Journal of Archaeology of Egypt/Egyptology, ISSN NO: 1567-214X Volume 17, Issue 9, pp. 7747-7759,(2020)(SCOPUSIndexed). https://archives.palarch.nl/index.php/jae/article/view/5577/5491

27. **A.Krishnaveni, R.Shankar, S.Duraisamy,** "Duck Cluster Optimization Algorithm with K-Means Clustering for Mammogram Image Segmentation", Solid State Technology, ISSN NO: 0038-111X Volume 63, Issue 6, pp. 19583-19607, (2020) Impact Factor=0.11. (SCOPUS Indexed).http://solidstatetechnology.us/index.php/JSST/article/view/8188#:~:text=Methods%3A%20K%2Dmeans%20Clustering%20calculation,amplify%20the%20segmentation%20goal%20capacities.

28. **Krishnaveni Arumugam, Shankar Ramasamy, Duraisamy Subramani,** "Improved Duck and Traveler Optimization (IDTO) Algorithm: A Two-way efficient approach for breast tumor segmentation using multilevel thresholding", European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 7, Issue 10, pp. 3793-3808 (2020) (SCOPUS Indexed) https://ejmcm.com/article_7577_3be906bb885b7b3d2459da57f6925d96.pdf

2021

29. **R.GowriPrakash, R.Shankar, S.Duraisamy,** "Resource Utilization Prediction with multipath traffic routing for congestion-aware VM migration in cloud computing", Indian Journal of Science and Technology 2021;14(7):636–651, ISSN Print: 0974-6846 Electronic: 0974-5645, ImpactFactor=0.618.(ESCI Indexed). https://indjst.org/articles/resource-utilization-prediction-with-multipath-traffic-routing-for-congestion-aware-vm-migration-in-cloud-computing

30. **R.GowriPrakash, R.Shankar, S.Duraisamy,** "A Combined Traffic and Workload-aware VM Consolidation for Optimal VM Migration in Cloud Computing ", Turkish Journal of Computer and Mathematics Education, Volume 12, Issue 10, (2021), **E-ISSN** 1309-4653, page no: 3354-3365 https://www.turcomat.org/index.php/turkbilmat/article/view/4994

31. **R.GowriPrakash, R.Shankar, S.Duraisamy,** "Optimized Load-balancing in Cloud Computing based on Traffic and Workload-aware VM Migration", Journal of Emerging Technologies and Innovative Research - JETIR April 2021, Volume 8, Issue4,ISSN-2349-5162, Impact Factor=7.95 (UGCCARE). https://www.jetir.org/view?paper=JETIR2104013

32. **A.Krishnaveni Arumugam, Shankar Ramasamy, Duraisamy Subramani,** "Binary Duck Traveler Optimization Algorithm for Feature selection in Breast Cancer Dataset Problem", IOT with Smart Systems - Proceedings of ICTIS 2021, Volume 2 (2021) SPRINGER (SCOPUS Indexed).DOI:https://doi.org/10.1007/978-981-16-3945-6_1. https://link.springer.com/chapter/10.1007/978-981-16-3945-6_17#:~:text=In%20this%20research%20work%2C%20feature,extraction%20is%20principal%20component%20analysis.

33. **A.Krishnaveni, R.Shankar, S.Duraisamy,** "Swarm Intelligence Algorithms with K-Means Clustering for Mammogram Image Segmentation", IRJMETS, ISSN 2515-8260 Volume 3, Issue 2, pp. 622-630 (2021) **ISSN** :2582-5208, Impact Factor=7.20. (GOOGLE SCHOLAR). https://irjmets.com/rootaccess/forms/uploads/IRJMETS180010.pdf

34. **A.Krishnaveni, R.Shankar, S.Duraisamy,** "Enhanced Duck Traveler Optimization (EDTO) Algorithm with Multilevel Thresholding, Region of Interest and K-Means Clustering for Mammogram Image Segmentation to improving accuracy", Proceedings of the International Conference on Research and Development in Science, Engineering and Technology, ICRDSET (2021) https://stannescet.ac.in

35. **A.Krishnaveni, R.Shankar, S.Duraisamy,** "Versatile Duck Traveler Optimization (VDTO) Algorithm using Triple Segmentation Methods for Mammogram Image Segmentation to Improving Accuracy" SSRN Elsevier Digital Library pp. 1-20 (2021) **ISSN** :1556-5068 https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3803814

36. **A.Krishnaveni, R.Shankar, S.Duraisamy**, "Chaotic Duck Traveler Optimization Algorithm for Feature selection in Breast Cancer Dataset Problem", Turkish Journal of Computer and Mathematics Education, Volume 12, Issue 4, pp. 250-262 (2021),) **ISSN** :1309-4653 , Impact Factor=0.148.https://www.turcomat.org/index.php/turkbilmat/article/view/501

37. **K Anandan, R Shankar, S Duraisamy** "Convolutional Neural Network approach for the prediction of Soil texture properties" Indian Journal of Science and Technology, Year: 2021, Volume: 14, Issue: 3, Pages: 190-196, 10.17485/IJST/v14i3.2047 ISSN Print: 0974-6846 Electronic: 0974-5645, (ESCI Indexed) Impact Factor=0.618. https://indjst.org/articles/convolutional-neural-network-approach-for-the-prediction-of-soil-texture-properties

38. **K Anandan, R Shankar, S Duraisamy** "Soil Category Classification Using Convolutional Neural Network Long Short Wide Memory Method" https://Doi.org/10.1007/978-981-16-3153-5_14 ICTIDS 2021. https://link.springer.com/chapter/10.1007/978-981-16-3153-5_14

39. K.Anandan , R.Shankar , T. Latha Duraisamy," An EPSO_CNN Approach to Predict the Soil Texture Properties in Smart Farming ,Turkish Journal of Computer and Mathematics Education.Vol.12No.10(2021),2387-2395,28April2021 https://doi.org/10.17762/turcomat.v12i10.4847, https://turcomat.org/index.php/turkbilmat/article/view/4847/4072

40. **S. Arulmozhi, Dr R Shankar, Dr S Duraisamy,** "Modified Cuckoo Algorithm(mCA-CNN) for Detection and Diagnosis of Pancreatic Tumor Using Region- Based Segmentation Techniques" Journal of Xi'an University of Architecture & Technology, Volume XIII, Issue 12,2021,PageNo:293,ISSNNo:1006-7930**.** https://app.box.com/s/r5grs3wv18kab96mtnj94kttvy0952vs

41. **S. Arulmozhi, Dr R Shankar, Dr S Duraisamy, "**Modified Gray Wolf Optimization Algorithm (mGWO) For Detection and Diagnosis of Pancreatic Tumor Using Region Based Segmentation Techniques" Turkish Journal of Computer and Mathematics Education Vol.12 No.4(2021),1062-1067**.** https://turcomat.org/index.php/turkbilmat/article/view/6990/5711

42. **S. Arulmozhi, Dr R Shankar, Dr S Duraisamy, "**Detection and Diagnosis of Pancreatic Tumor Using Convolutional Neural Network and Hybrid Particle Swarm Optimization Algorithm (CNN-HPSO) For Image Classification**. ,** May 2021, Volume 25 Issue 5 **(SCOPUS Indexed**). http://annalsofrscb.ro/index.php/journal/article/view/4582

2022

43. **R.Shankar and S.Duraisamy** , 5G Technology and its Challenges International Journal of Research in Engineering and Science (IJRES) Volume 10, Issue 8, pp: 127-134 ISSN: 2320-9364 November 22, 2022. https://www.ijres.org/papers/Volume-10/Issue-8/1008127134.pdf

44. **R.Shankar and S.Duraisamy** , Importance of Industrial Internet of Things (IIoT):Security Considerations and Challenges When Adopting IIoT , Journal of Emerging Technologies and Innovative Research (JETIR) August 2022, Volume 9, Issue 8 (ISSN-2349-5162). **http://doi.one/10.1729/Journal.31722**, **https://www.jetir.org/view?paper=JETIR2208279**

45. **K.Anandan, R.Shankar, S.Duraisamy** , **"**The Prediction of Soil Texture Properties Using Hybrid CNN-LMO Algorithm", International Journal of Mechanical Engineering, ISSN: 0974-5823,Vol.7No.4April,2022(SCOPUS) https://kalaharijournals.com/resources/APRIL_154.pdf

46. **K.Anandan, R.Shankar, S.Duraisamy** , "Prediction of soil texture using convolution neural network with enhanced regression model", NeuroQuantology, July 2022, Volume 20 Issue 7 Page:275-282(SCOPUS)DOI: 10.14704/nq.2022.20.7.NQ22033, https://www.neuroquantology.com/openaccess/Prediction+Of+Soil+Texture+Using+Convolution+Neural+Network+with+Enhanced+Regression+Model_5064/

2023

47. **R.Shankar and S.Duraisamy** , 6G Technology and its Future Scope International Journal of Research Culture Society Volume 5, Issue 5, May , 2023 ISSN (Online) : 2456- 6683 Impact Factor : 6.834 DOIs:10.2017/IJRCS/202305012
https://ijrcs.org/wp-content/uploads/IJRCS202305012-min.pdf

ANNEXURE – II

1. Presented a paper on "Secure Routing in Wireless Sensor Network attacks and counter measures " At Kongu Nadu
   Arts and Science College , Coimbatore in the "UGC Sponsored National level seminar on Wireless Communication & Mobile Computing " on 2nd and 3rd September 2005

2. Presented a paper on "Secured Wireless Networking – WEP (Wired Equivalent Privacy) " At Erode Arts and Science College , Erode in the "UGC Sponsored National level seminar on Advances in Mobile Computing " on 29th and 30th September 2005

3. Presented a paper on "Clusters in High Dimensional Spaces for Using Data Mining" At KSR College of Arts and Science " Tiruchengode

4. Presented a paper on "Comparative analysis and implementation of Incremental Learning of Concept Drift from Data streaming imbalanced data" at KSR College of Arts and Science , Tiruchengode

5. Presented a paper on " Cloud Based into VoIP Systems" at Dr. R.V. Arts and Science College, Karamadai in the National Seminar on "Smart approaches in computing technologies and its applications" held on 12th September 2014

6. Presented a paper on "Comparative Analysis of Internet Traffic Identification " Government Arts College ,
   Udumalpet in the UGC sponsored National conference on "Advanced Networking and Applications " 27th March 2015

7. Presented a paper on "A VoIP security assessment using verifiable secret sharing" SONA College of Technology ,Salem in the DST sponsored National conference on "Information Processing in Sensor Networks " held on 20 th and 21st August 2015

8. Presented a paper on "Comparative Analysis of Routing Protocols " Park's College , Tirupur in the National
   level conference on "Innovative Trends in Information Technology " 5th March 2016

9. Presented a paper on "Graph Theory Analysis on Optimal Traffic Signal Methods Using Data Mining" NGM College , Pollachi in the National Conference on "Green Computing " 22nd September 2017

10. Presented a paper on "A Survey on Malware Detection using Data Mining Tools" St.Joseph College for Women College , Tirupur in the National Conference on "Advanced Computing Technologies & Intellectual Property Rights " 16th February 2018

11. Presented a paper on "A Survey on Semantic Search Encryption Using Cloud Computing" Sri Ramakrishna Mission Vidyalaya College of Arts and Science , Coimbatore in the National Conference on "Emerging Trends in Soft Computing " 16th March 2018
12. Presented a paper on "Secure Semantic Search Encryption Using Cloud Data" Dr NGP Arts and Science College, Coimbatore in the International Conference on "Research Trends in Computing Technologies" 9th and 10 th August 2018
13. Presented a paper on "**SATURN RANSOMWARE ANALYSIS AND DETECTION USING PROCESS MONITOR**" Dr NGP Arts and Science College, Coimbatore in the International Conference on "Research Trends in Computing Technologies" 9th and 10 th August 2018

WORKSHOP AND SEMINAR PARTICIPATED

1. Participated in the two-day National Symposium on **"Cultural Education in21st Century India" held** on 8th and 9th May, 2004 at AMRITA Vishwa Vidyapeetham (Deemed University), Coimbatore.

2. Participated in the Faculty Development Programme on **"Software Testing"** held on 18th August 2007 at KGiSL Institute of Information Management,Coimbatore

3. Participated in the 11 days programme on **"Train the Trainer"** program held on 20th Sep to 30th Sep 2011 (part of Genesis) conducted by Infosys BPO Ltd at Chennai

4. Participated in the International Seminar on **" Research in Computers Why, What and How?"** held on 10th Feb 2012 at Bharathiar University, Coimbatore

5. Participated in UGC Sponsored National Conference on **"Recent Developments in Computer Science"** held on 9th March 2013 at Erode Arts and Science College, Erode

6. Participated in the two days State Level Seminar on **" Nanotechnological Treatment of Dyeing Unit Effuents"** held on 7th and 8th March 2013 at Chikkanna Govt Arts College, Tirupur

7. Participated in the two days National Level Workshop on **" Network Simulation using NS2(Hands on Training)"** held on 12th & 13th November 2013 at Anna University, Regional Centre Coimbatore , Coimbatore

8. Participated in the two days Hands on Training on "**Network Simulator (NS2**)" held on 21st & 22nd March 2014 at Kongu Engineering College, Perundurai

9. Participated in the UGC sponsored One day seminar on "**NAAC Benchmarking Pointers**" organized by IQAC of Chikkanna Government Arts College, Tirupur on 10th Jan' 2015.

10. Participated in the 2 days programme on **"Soft Skills and Industry Awareness Training Program"** held on 24h Jan to 25h Jan 2018 conducted by ICTACT at Rathinam College of Arts and Science, Coimbatore

11. Participated in 1 days Faculty Development Programme on "BIG DATA ANALYTICS IN BIOINFORMATICS " held on 8th Feb 2019 at PSGR Krishnammal College for Women, Coimbatore – 641004 (DBT Sponsored)

12. Participated in the 3 days Faculty Development Programme on **"Programme Monitoring Office – Innovation & Entrepreneurship Development Programme "** held on 30th July to 01st August 2019 at Anna University Regional Campus, Coimbatore641046

13. Participated in the 3 days Faculty Development Programme on **"Programme Monitoring Office – Innovation & Entrepreneurship Development Programme "** held on 30th July to 01st August 2019 at Anna University Regional Campus, Coimbatore641046

14. Participated in One day National Level Workshop on " Intellectual Property Rights)" held on 28th September 2019 at Sri Vasavi College, Chithode, Erode

15. Participated in the 5 days online FDP on Python held on 5 h to 9th May 2020 conducted by VIT , Chennai in association with Teaching Learning Centre of IIT Bombay

16. Participated in the 2days FDP on Design, Develop and Deliver online courses through MOODLE platform, held on 15 h & 16th May 2020 conducted by

conducted by Tamil Nadu State Council for Higher Education (TANSCHE) with technical support of DOTE ,Chennai

17. Participated in the webinar on "DATA CLEANING USING PYTHON" organized by the Department of Information Technology , Govt Arts College Coimbatore on 14.07.2020.
18. Participated in the NDLI user awareness webinar held on 7th Aug 2020 Organized by the National Digital Library of India in collaboration with Chikkanna Govt Arts College Tirupur.
19. Participated in the One Day National Seminar on "AI BASED TOOLS FOR SCIENTIFIC WRITING IN RESEARCH " organized by the College Library. Chikkanna Govt Arts College Tirupur   on 25.08.2023.

WORKSHOP AND SEMINAR ORGANIZED

- *TNSCST sponsored one day National Seminar on " Water Stress and Scarcity" : Challenges for Students was organized* on 20th December 2019 – No: Of Participants - 250