

S.T. HINDU COLLEGE, NAGERCOIL

FACULTY PROFILE

Name : **Dr.K.PAZHANIKUMAR**
Designation : Assistant Professor & Head
Vidwan ID : 387591
Dept Name : Computer Science(AIDED)
Address : 7-23 B, North Street, Navalkadu
Boothapandy(POST)- 629852
Phone No. : 9344618391
E-Mail Id : skpk73@gmail.com
Subjects Taught : Data Mining, Image Processing, Data
Structure, Java Programming
Area of Interest / Specialization : Data Mining
Experience : 28 Years
Educational Qualifications : MCA.,M.Phil.,Ph.D,SET
Publications :

1. An advanced scratch removal method for fingerprint - 2011 3rd International Conference on Electronics Computer Technology IEEE Catalog Number: CFP1195F-PRT ISBN: 978-1-4244-8678-6- <http://toc.proceedings.com/12007webtoc.pdf>

2. Secure, Portable and Customizable Web Portals for E-Commerce-B-Digest Journal June 2011 ISSN NO: 0975-2617

3. Mining frequent itemsets over data streams using circular queues for efficient maintenance of sliding windows-Elixir Online Journal-December 2011-
http://www.elixirjournal.org/current_issue.php?mo=12&yr=2011&page=2

4. An Analytical Study on Frequent Itemset Mining Algorithms has been ACCEPTED for presentation at MIKE 2013, and for publication in the Springer LNAI proceedings volume of MIKE 2013.

http://link.springer.com/chapter/10.1007/978-3-319-03844-5_60

5. "Association Rule Mining and Medical Application: A Detailed Survey" has been accepted for publication in International Journal of Computer Applications (IJCA) October 2013 Edition.

<http://www.ijcaonline.org/archives/volume80/number17/13967-1698>

6. "An Effectual Frequent Pattern Mining (FPM) Approach Using Clustering and Varied Sliding Window for Streaming of Data" - Australian Journal of Basic and Applied Sciences August 2014.
<http://ajbasweb.com/old/ajbas/2014/August/462-469.pdf>
7. An Algorithm for Mining Closed Weighted Sequential Patterns with Flexing Time Interval For Medical Time Series Data has been ACCEPTED for presentation at ICCCS 2015, and for publication in IEEE proceedings volume of ICCCS 2015.
<https://ieeexplore.ieee.org/abstract/document/7562847>
8. "An Algorithm for Generating Non-Redundant Sequential Rules for Medical Time Series Data" has been published in International Journal on Future Revolution in Computer Science & Communication Engineering ISSN: 2454-4248 Volume: 3 Issue:11 Pagno :184-189 ,2017
<http://www.ijfrcsce.org/index.php/ijfrcsce/article/view/288/288>
9. An Extended C4.5 Classification Algorithm using Mathematical Series has been published in Science and Technology Journal ISSN:2321-3388 Vol:7 Issue :2 July 2019.
10. Performance of Naïve Bayes, C4.5 and KNN using Breast Cancer, Iris and Hypothyroid Datasets, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020.
11. An Extended C4.5 Classification Algorithm Using Mathematical Series, Science and Technology(UGC Care Group -1) Volume -7 Issue :2 Year of Publication : 2019 Page No:54, ISSN: 2321-3388
12. SCSLnO-SqueezeNet: Sine Cosine-Sea Lion Optimization enabled SqueezeNet for intrusion detection in IoT, Network: Computation in Neural Systems (SCI) UGC Care Group -1I, Volume -34 Issue :3 Year of Publication : 2023 Page No:343,ISSN: 0954-898X
13. Remote sensing image classification using modified random forest with empirical loss function through crowd-sourced data, Multimedia Tools and Applications (SCI) UGC Care Group -1I, Volume -34 Issue :3 Year of Publication : 2023
<https://doi.org/10.1007/s11042-023-17556-3>,ISSN: 1380-7501
14. Whale optimization approach for early heart disease prediction based on FCM using DCNN, Review of Computer Engineering Research 2023 Vol. 10, No. 4, pp. 150-164 ISSN(e): 2410-9142 ISSN(p): 2412-4281 DOI: 10.18488/76.v10i4.3549.
15. Heart Disease Prediction Using Various Classification Models, International Journal of Advanced Trends in Engineering and Management (IJATEM) pp. 113-118

ISSN (Online): 2583-7052 https://ijatem.com/wp-content/uploads/2023/08/IJATEM_ICRICC-23_015.pdf .

No. of Conferences Organised : 3

Research Guidance : M.Phil(10)

Research Projects : NIL

Awards & Distinctions :

- College First in BSc(Mathematics)
- Secured third rank in the inter-collegiate tests in BSc Mathematics held on 28-03-1993 conducted by S.T.Hindu College,Nagercoil
- Topper in NPTEL Online Certification – Java Programming Course Jan-Apr 2021.
- University Level Best NSS PO Award 2021-22

Administrative Assignments Handled :

Co-coordinator, IQAC

SPOC, NPTEL Local Chapter

Co-coordinator, TamilNadu Engineering Admissions,Kanyakumari District from 2019 onwards

Chair Person,PG(Computer Sciecne) Valuation Board, M.S.University, Tirunelveli (2012-2015)

Chairman,MSc(Computer Sciecne) Board of Studies, M.S.University, Tirunelveli(2012-2015)

Member,BSc(Computer Sciecne) Board of Studies, M.S.University, Tirunelveli(2012-2015)

Member,MPhil(Computer Sciecne) Board of Studies, M.S.University, Tirunelveli(2012-2015)

Question Setter: SCSVM University,Kanchipuram

Bishop Heber College, Trichy

NSS Programme Office (2019 - 2023)

Examiner, TNPSC

Member,Selection Committee - District Level Best Youth Club Award -2021

Nodel Officer,Kanyakumari District,NYF&NYP-2021.

Member, NAAC Working Committee from 2020 to 2022

Member, IQAC 2022-23

Web Administrator, S.T.Hindu College from 2020 onwards

Member, CMTrophy Sports Committee ,Kanyakumari District.

AssociationwithProfessionalBodies : Member , IJCA(www.ijcaonline.org)

Review Panel

Reviewer, SAFECOMP'11 IPC(<http://www.safecomp2011.unina.it>)

Member,CSTA

Member,IACSIT

Any other Achievements :