

NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

COIMBATORE

STAFF PROFILE

NAME : Dr.K.SINDHYA
DESIGNATION :ASSISTANT PROFESSOR
DEPARTMENT : INFORMATION TECHNOLOGY
QUALIFICATION :B.Sc(C.T),M.Sc(CS),M.Phil.,P.hD.
EXPERIENCE :7 YEARS
AREAS OF SPECIALIZATION :DATA MINING
E-MAIL :SINDHYAMSCCS@GMAIL.COM
ACADEMIC QUALIFICATIONS :

DEGREE	YEAR OF COMPLETION	NAME OF THE INSTITUTION	CLASS
B.Sc(C.T)	2014	K.G COLLEGE OF ARTS AND SCIENCE	FIRST CLASS
M.Sc(CS)	2016	HINDUSTHAN COLLEGE OF ARTS AND SCIENCE	FIRST CLASS DISTINCTION
M.Phil	2018	HINDUSTHAN COLLEGE OF ARTS AND SCIENCE	
P.hD	2024	R.V.S COLLEGE OF ATRS AND SCIENCE	

RESEARCH PUBLICATIONS:

INTERNATIONAL:

- [1] **K.SINDHYA** "Classification Of The Chronic Kidney Disorder Using The J48 Decision Tree And Novel Generic Algorithm" In International Journal For Research & Development In Technology ISSN NO-2349-3585 For Volume-7, Issue-3 March-2017.(IJRDT).
- [2] **K.SINDHYA.**"Design And Development Of The Novel Generic Algorithm Framework For Chronic Kidney Disorder Classification "In The International Journal Of Scientific Research In Computer Science Engineering And Information Technology(IJSRCSEIT) volume-2 issue-4 August-2017.Journal No-64718.
- [3] **K.SINDHYA**"A Study On Data Mining Classification Algorithms In Various Disease Predications" In EPRA International Journal Of Research And Development ISSN-2455-7838 Impact factor 6.20 published under paper index :2019-02-003655 volume-4 Issue-10, October-2019(IJRD).
- [4] **K.SINDHYA**"Performance Analysis Of Machine Learning Algorithms Implemented In Medical Diagnosis Scopus Journal ISSN No-0011*9342/Year-2021 Issue: Pages:6379-6390
- [5] **K.SINDHYA** A Hybrid SMOTE-NMA Model for Predicting Stage of Liver Disease vol.12, Special Issue 4, pp.11562-11573, ISSN: 2063-5346 year of publication 2023, originally published by European Chemical Bulletin, (Scopus).
- [6] **K.SINDHYA** Iterative Imputation Preprocessing Techniques for Handling Missing Data in Liver Disease Prediction VOL.18, Issue 6, pp. 298-310, ISSN:1533-9211 year of publication 2023, originally published by SEYBOLD (Scopus)

NATIONAL:

- [1] **K.SINDHYA**"Effective Predication Of Hypothyroid Using Various Data Mining Techniques" " In EPRA International Journal Of Research And Development ISSN2455-7838 Impact factor 6.20 published under paper index :202002-02-04009, volume-5 Issue-2, February-2020(IJRD).
- [2] **K.SINDHYA**"Automated Plant Leaf Identification And Classification Using Deep Learning Methods" in Journal of Engineering computing and architecture an approved

UGC-care journal ISSN NO-1934-7197 PAPER ID :JECA/2219 VOLUME-10,ISSUE-8, August-2020(JECA)

[3] **K.SINDHYA** Different Machine Learning Techniques in Disease Prediction with Vol.13, Issue 73,pp. 46338-46343, ISSN: 0976 – 0997.and year of publication 2022, originally published by Indian Journal of Natural Sciences (Web of Science).

[4] **K.SINDHYA** Prediction on Liver Disease Using Machine Learning Models and Enhanced Grey Wolf Optimized Feature Selection vol 11, no 15, ISSN: 0972 – 8945 year of publication 2023, originally published by SOUTH INDIA JOURNAL OF SOCIALSCIENCES (UGC CARE).

PRESENTATIONS IN CONFERENCE:

INTERNATIONAL:

[1] Paper presented on topic liver Disease Prediction using Enhanced Grey Wolf optimized Feature Selection and Machine Learning Models in the International Conference on recent Trends in Computing Communication and Information Technology Organized by PG & Research Department of Computer Science Sri Ramakrishna College of Arts and Science

[2] Paper presented on topic Autism Spectrum Disorder (ASD) Prediction using Enhanced logistic regression with he regularized Random Forest & K-Means Clustering Techniques in International Conference on New Scientific Creations in Engineering and Technology organized by Nadar Saraswathi College of Arts and Science

NATIONAL:

[1] Paper presented on topic A survey on knowledge discovery in database in data mining .In the National conference on recent trends in soft computing organized by the Sri Ramakrishna mission vidyalaya college of arts and science

[2] Focused on achieving digital transformation through engineering education and IEEE Digital packages.

PARTICIPATION IN SEMINARS:

[1] Dr.K.SINDHYA Participated in the One Day National Seminar on Smart Research Practices:AI Online Tools & Zotero for Academicians organized by Department of Library and Information Science in Collaboration with IQAC Nirmala College for Women(Autonomous).

PARTICIPATION IN WORKSHOPS:

- [1] Work shop on PHP Programming conducted by Sri Krishna I –Tech and managementSolutions Private Limited.
- [2] Workshop on Best Practices And Evolving Benchmarks In Higher Education Institutions organized by IQAC Nirmala college for women
- [3] Workshop on Cyber Security organized by Department of Information Science and Engineering ,Vidyavardhaka College of Engineering .
- [4] Workshop on Artificial Intelligence Tools for Educators organized by IGNITEE Life skill Academy & IQAC Sacred Heart College (Autonomous) Thevara Kochi-13

PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES:

- [1] Faculty Development Programme on How to publish research articles in SCI Journal organized by Department of Botany
- [2] Faculty Development Programme on Fundamentals of AI conducted by ICT Academy
- [3] Faculty Development Programme on Impact of research during pandemic conducted by Kaypeeyees college of Arts and Science
- [4] Faculty Development Programme on Stress Management organized by Department of Chemistry
- [5] Faculty Development Programme on Marching with Hope organized by Department of Chemistry
- [6] One week National Faculty Development Program on Cloud Infrastructure (AWS) organizes by the Dept of CSE,JNTUK University College of Engineering Narasaraopet Andhra Pradesh.
- [7] Faculty Development Program on Education 5.O organized by the Department of Information technology in Association with Academic staff college .DR.M.G.R Educational and Research Institute, Chennai-95.
- [8] Seven days Faculty Development Program on Essential Skills for Professional Development in Higher Education
- [9] Faculty Development Program on AI Tools for Teaching organized by Star International

Foundation for Research and Education

[10] Faculty Development Program on Boosting Engagement: Interactive and Digital Learning Design organized by Nirmala College for women (Autonomous)

[11] Faculty Development Program on Innovative Teaching Methodologies organized by IOT Academy

[12] Faculty Development Program on Blockchain and Digital Transformation organized by Digital South Hosted by Nirmala College for Women (Autonomous)

BOOK PUBLICATIONS:

[1] MCQ ON GRAPHICS DESIGNING TECHNIQUES ISBN NO 9788198193889

[2] PYTHON WORKBOOK FOR BEGINNERS ISBN NO 9788198457431

[3] GRAPHIC DESIGNING TECHNIQUES ISBN NO 9788199225411

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