Dr.C.SATHISH KUMAR

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Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D.	Computer Science	Bharathidasan University	2023
M.Phil	Computer science	Periyar University	2008
MCA	Computer Applications	Bharathidasan University	2001
B.Sc	Computer science	Bharathidasan University	1998

Ph.D. Details

Title of Thesis	Area of Specialization	
Optimal Ensemble Feature Selection (OEFS) And Enhanced Classification Techniques For Medical Diagnosis	Data Mining	
Research Supervisor	**Research Centre**	**Year of Award**
Dr.P.Thangaraju	Bishop Heber College	September 2023

Cleared NET / SET :	Details	Year of Passing
NET	TN1452000402	November 2020

Additional Qualification

Name of Course	Place of Study	Date	Duration
Software Testing	STC - TRICHY	JUNE 2007	1 YEAR
Rashtrabasha Praveen	Dakshina Bharat Hindi Prachar Sabha, Trichy	1996	3.5 years
NPTEL-ENHANCING SOFTSKILLS AND PERSONALITY	ONLNE MODE	MAY 2022	8 WEEKS

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College	Puthur, Trichy	Asst.professor	2003	till date
NIIT-Trichy	Govt.Arts College. Thiruverumbur	Faculty	2001	2002
Bishop Thorp College	Dharapuram	Lecturer	2002	2003

Teaching / Research Experience

U.G. : 17y 2m   **P.G. :**   17y 2m   **M.Phil.**   2   **Ph.D.**   0
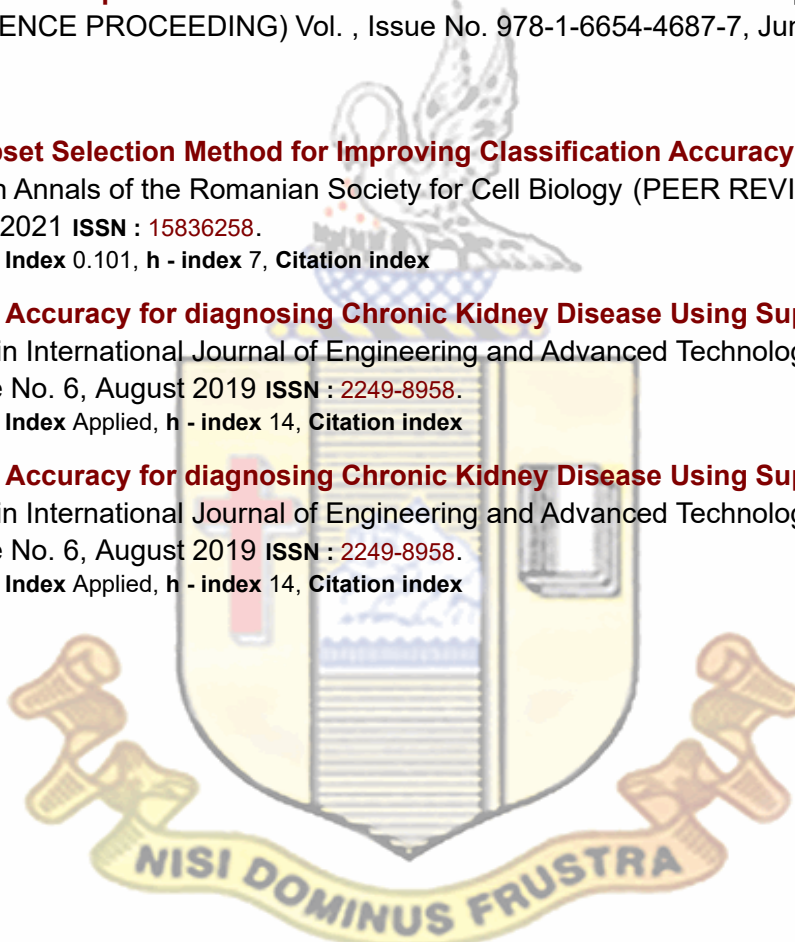
Research Guidance

U.G. :   350+   **P.G. :**   25   **M.Phil. :**   **Ph.D. :**

Table of Contents

CONFERENCES / WORKSHOPS / SEMINARS ATTENDED   -   16

1. National level Workshop on **"*Workshop on Data Mining Tools for Research*"** sponsored by Jamal Mohamed College-Trichy and Computer Society of India organized by Jamal Mohamed College-Trichy and Computer Society of India at Trichy during 23/01/2019 to 24/01/2019.

2. College level Workshop on **"*PYTHON WORKSHOP*"** sponsored by PYTHON SOFTWARE SOCIETY OF INDIA&BISHOP HEBER COLLEGE organized by BISHOP HEBER COLLEGE at BISHOP HEBER COLLEGE-TRICHY during 28/06/2017 to 28/06/2017.

3. College level Workshop on **"*Curriculum Design and Evaluation Techniques*"** sponsored by DBT-FIST organized by Bishop Heber College at Bishop Heber College, Trichy during 21/11/2016 to 22/11/2016.

4. International level Seminar on **"*Wearable Devices and Big Data*"** sponsored by HEBAA-HEBER ALUMNI ASSOCIATION, Bishop Heber College organized by HEBAA-HEBER ALUMNI ASSOCIATION, Bishop Heber College at Bishop Heber College, Trichy during 06/04/2016 to 06/04/2016.

5. College level Workshop on **"*Workshop on Caring the Homeless Children at Tiruchirappali*"** sponsored by CHILDLINE 1098 Nodal Organization B.H.C and UNITED BOARD FOR CHRISTIAN HIGHER EDUCATION IN ASIA organized by CHILDLINE Nodal Organization, Bishop Heber College at Trichy during 10/03/2015 to 10/03/2015.

6. College level Workshop on **"*Capacity Building Programme*"** sponsored by Internal Quality Assurance Cell organized by Internal Quality Assurance Cell at Bishop Heber College, Trichy during 25/02/2012 to 01/01/1900.

7. College level Workshop on **"*Examination Reforms and Evaluation*"** sponsored by Internal Quality Assurance Cell organized by Internal Quality Assurance Cell at Bishop Heber College, Trichy during 25/03/2011 to 26/03/2011.

8. International level Workshop on **"*Datamining with Graphs and Matrices*"** sponsored by Bishop Heber College and National Institute of Informatics-Japan organized by Bishop Heber College and National Institute of Informatics-Japan at Trichy during 29/07/2010 to 31/07/2010.

9. International level Conference on **"*Data Engineering and Management*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 29/07/2010 to 31/07/2010.

10. International level Conference on **"*Semantic E-Business and Enterprise Computing (SEEC 2009)*"** sponsored by UGC organized by Bishop Heber College and Kingston University-London, UK at Bishop Heber College, Trichy during 04/11/2009 to 06/11/2009.

11. International level Conference on **"*First International Conference on Data Engineering and Management*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 09/02/2008 to 09/02/2008.

12. International level Workshop on **"*Middleware Technologies*"** sponsored by Jayaram College og Engineering and Technology organized by Jayaram College og Engineering and Technology at Trichy during 23/02/2007 to 24/02/2007.

13. National level Conference on **"*Intelligent E-learning Systems 2006*"** sponsored by UGC and STPI organized by Bishop Heber College at Trichy during 29/03/2006 to 31/03/2006.

14. College level Workshop on **"*Curriculum Development and Evaluation*"** sponsored by Academic Staff College, BDU organized by Bishop Heber College at Trichy during 09/03/2006 to 11/03/2006.

15. College level Orientation on **"*Orientation Programme for young lecturers*"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 24/09/2004 to 25/09/2004.

16. Regional level Workshop on **"*Trends in Teaching and Educational Pedagogy*"** sponsored by Sree Ramu College of Arts and Science organized by Sree Ramu College of Arts and Science at Pollachi during 09/09/2003 to 09/09/2003.

Research Papers Presented   -   10

1. **"Classification of Medical Datasets Using Optimal Feature Selection Method with Multi-support Vector Machine"** in the International conference on *First International Conference, Advancements in Smart Computing and Information Security, ASCIS 2022* sponsored by , organized by Marwadi University, Rajkot at Gujarat during 24/11/2022 to 26/11/2022.

2. **"Improving Classifier Accuracy For Diagnosing Leukaemia Using Majority Vote Based Ensemble Classifier"** in the International conference on *International Conference on Scientific and Technological Advancements for Reliable and Sustainable - future STARS - 2022* sponsored by , organized by Deanery of Academics, Departments of Computer Science & Information Technology, Bishop Heber College (Autonomous) at Tiruchirappalli during 16/11/2022 to 18/11/2022.

3. **"A Study on Augmented Reality in Education Sector"** in the International conference on *International Virtual Conference on Advances in Data Sciences and Theory of Computing (ICADSTOC)-2022* sponsored by , organized by Bharath Institute of Higher Education and Research at Chennai during 30/03/2022 to 01/04/2022.

4. **"Prediction of Disease in Tomato Leaf Using Deep Belief Network"** in the International conference on *International Virtual Conference on Advances in Data Sciences and Theory of Computing (ICADSTOC)-2022* sponsored by , organized by Bharath Institute of Higher Education and Research at Chennai during 30/03/2022 to 01/04/2022.

5. **"Interactive Artificial Neural Network Model for UX Design"** in the International conference on *International Conference on Computing, Communication, Electrical and Biomedical Systems* sponsored by , organized by KPR Institute of Engineering and Technology, Coimbatore at Tamil Nadu, India. during 01/03/2022 to 02/03/2022.

6. **"Enhanced Particle Swarm Optimization For Reliable Data Transmission In WSN"** in the International conference on *The 5th International Conference on Trends in Electronics and Informatics (ICOEI 2021)* sponsored by , organized by SCAD College of Engineering & Technology at Tirunelveli during 03/06/2021 to 05/06/2021.

7. **"The Impact of Evolutionary Algorithms in Data Mining"** in the International conference on *International Virtual Conference on Interdisciplinary Research Innovations in Science and Humanities* sponsored by , organized by Nehru Arts and Science College at Coimbatore during 29/11/2020 to 30/11/2020.

8. **"Hierarchical Knowledge Pyramid"** in the International conference on *First International Conference on Data Engineering and Management* sponsored by , organized by Bishop Heber College at Trichy during 09/02/2008 to 09/02/2008.

9. **"Data Warehouse for small Organization on Operational Database"** in the International conference on *First International Conference on Data Engineering and Management* sponsored by , organized by Bishop Heber College at Trichy during 09/02/2008 to 09/02/2008.

10. **"Data Sharing among Mobile Users"** in the National conference on *National Conference on Distributed Database and Computing* sponsored by UGC, organized by Gobi Arts and Science College at Gobichettipalayam during 28/02/2004 to 29/02/2004.

Publication in Journals   -   6

1. **"OPTIMAL ENSEMBLE FEATURE SELECTION (OEFS) METHOD AND KERNEL WEIGHT CONVOLUTIONAL NEURAL NETWORK (KWCNN) CLASSIFIER FOR MEDICAL DATASETS"** published in ICTACT Journal on Soft Computing (PEER REVIEW) Vol. 12, Issue No. 03, April 2022 **ISSN :** 2229-6956.

2. **"Interactive Artificial Neural Network Model for UX Design"** published in EAI/Springer Innovations in Communication and Computing book series (EAISICC) (CONFERENCE PROCEEDING) Vol. , Issue No. , February 2022 **ISSN :** 978-3-030-86165-0.

3. **"Enhanced Particle Swarm Optimization for Reliable Data Transmission in WSN"** published in IEEExplore (CONFERENCE PROCEEDING) Vol. , Issue No. 978-1-6654-4687-7, June 2021 **ISSN :** 978-1-6654-4687-7.

4. **"Optimal Feature Subset Selection Method for Improving Classification Accuracy of Medical Datasets"** published in Annals of the Romanian Society for Cell Biology (PEER REVIEW) Vol. 25, Issue No. 2, February 2021 **ISSN :** 15836258.
        Impact factor , **Scopus Index** 0.101, **h - index** 7, **Citation index**

5. **"Improving Classifier Accuracy for diagnosing Chronic Kidney Disease Using Support Vector Machines"** published in International Journal of Engineering and Advanced Technology (PEER REVIEW) Vol. 8, Issue No. 6, August 2019 **ISSN :** 2249-8958.
        Impact factor , **Scopus Index** Applied, **h - index** 14, **Citation index**

6. **"Improving Classifier Accuracy for diagnosing Chronic Kidney Disease Using Support Vector Machines"** published in International Journal of Engineering and Advanced Technology (PEER REVIEW) Vol. 8, Issue No. 6, August 2019 **ISSN :** 2249-8958.
        Impact factor , **Scopus Index** Applied, **h - index** 14, **Citation index**

Publication in Books   -   7

1. *Classification of Medical Datasets Using Optimal Feature Selection Method with Multi-support Vector Machine*. Advancements in Smart Computing and Information Security. ASCIS 2022. Communications in Computer and Information Science. Rajkot, Gujarat :Springer, Cham, January 2023.

2. *Improving Classifier Accuracy For Diagnosing Leukaemia Using Majority Vote Based Ensemble Classifier*. Proceedings of the International Conference on Scientific and Technological Advancements for Reliable and Sustainable - future STARS - 2022. Bishop Heber College (Autonomous) :Deanery of Academics, Departments of Computer Science & Information Technology, November 2022.

3. *Prediction of Disease in Tomato Leaf Using Deep Belief Network*. Proceedings of International Virtual Conference on Advances in Data Sciences and Theory of Computing (ICADSTOC)-2022. Chennai :Bharath Institute of Higher Education and Research, April 2022.

4. *A Study on Augmented Reality in Education Sector*. Proceedings of International Virtual Conference on Advances in Data Sciences and Theory of Computing (ICADSTOC)-2022. Chennai :Bharath Institute of Higher Education and Research, March 2022.

5. *Interactive Artificial Neural Network Model for UX Design*. EAI/Springer Innovations in Communications and Computing-International Conference on Computing, Communication, Electrical and Biomedical Systems. India :Springer Cham, March 2022.

6. *Enhanced Particle Swarm Optimization For Reliable Data Transmission In WSN*. Proceedings of the 5th International Conference on Trends in Electronics and Informatics (ICOEI 2021). Tirunelveli :IEEE, June 2021.

7. *The Impact of Evolutionary Algorithms in Data Mining*. Proceedings of the International Virtual Conference on Interdisciplinary Research Innovations in Science and Humanities. Chennai :The Charulatha Publications, November 2020.

Conferences / Workshops / Seminars Organised   -   3

1. International level Conference Entitled **"Second International Conference on Data Engineering and Management"** at Bishop Heber College (Autonomous), Tiruchirappalli – 17, sponsored by Bishop Heber College and National Institute of Informatics – Japan, during 29/07/2010 to 31/07/2010.

2. International level Conference Entitled **"First International Conference on Data Engineering and Management"** at Bishop Heber College (Autonomus), Tiruchirappalli – 17, sponsored by , during 09/02/2008 to 09/02/2008.

3. National level Conference Entitled **"National Conference and Exposition on Intelligent E-Learning systems 2006"** at Bishop Heber College (Autonomous), Tiruchirappalli, sponsored by UGC and supported by STPI, during 29/03/2006 to 31/03/2006.

RESOURCE PERSON   -   1

1. Regional level Invited Lectures on **"Software Engineering Module"** at Trichy, 24/02/2019.

20/05/2024   8:35:41AM   Report generated by BISHOP HEBER COLLEGE(AUTONOMOUS),Trichy - 17.

6

IT Support, BHC.

Type	Nature	Patent No.	Status	Month & Year
INTERNATIONAL	ICON DESIGN FOR VIRTUAL ASSISTANT SOFTWARE	6352546	GRANTED	3/21/2024 12:00:0
NATIONAL	Headset-Wearable and Modular Device for Hybrid Brain-Computer Interface	202241020829	GRANTED	4/29/2022 12:00:0
NATIONAL	Autonomous Vaccine Distribution Among Masses using Artificial Intelligence	202141029727	GRANTED	7/9/2021 12:00:00
INTERNATIONAL	Method for Minimizing the Medium Time and Energy Consumption in Wireless Networks	2021102224	GRANTED	6/2/2021 12:00:00

Signature of Staff

(C.SATHISH KUMAR)