

Dr.C.SATHISH KUMAR

Associate Professor,
Department of Computer Science,
Bishop Heber College,
Tiruchirappalli - 17.

E-mail : satgreen.in@gmail.com

Phone : 9865255670

Web:

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

| 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 | ONLINE 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

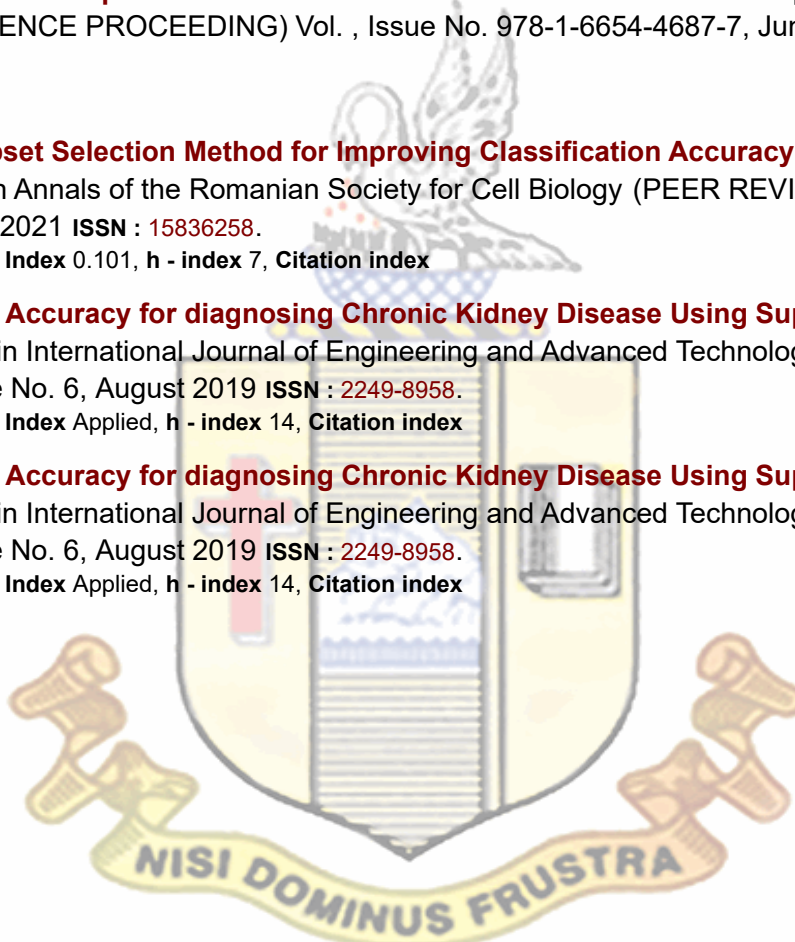
Research Guidance**U.G. :** 350+**P.G. :** 25**M.Phil. :****Ph.D. :****Table of Contents**

| | | |
|-----|---|--------------|
| 1. | Conferences / workshops / Seminars Attended | 16 |
| 2. | Research Papers Presented | 10 |
| 3. | Publication in Journals | 6 |
| 4. | Publication in Books | 7 |
| 5. | Books Published / Edited | 0 |
| 6. | Conferences / Workshops / Seminars Organised | 3 |
| 7. | Research Projects | 0 |
| 8. | Resource Person | 1 |
| 9. | Consultancy | 0 |
| 10. | Awards Recieved | 0 |
| 11. | Patent | 4 |
| 12. | Extension Activities Undertaken | 0 |
| 13. | Professional Membership | 0 |
| 14. | M.Phil. / Ph.D. Produced | 0 / 0 |

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 of Engineering and Technology organized by Jayaram College of 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.

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.

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 IEEEExplore (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



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 (Autonomous), 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.

| Type | Nature | Patent No. | Status | Month & Year |
|---------------|---|--------------|---------|--------------------|
| INTERNATIONAL | ICON DESIGN FOR VIRTUAL ASSISTANT SOFTWARE | 6352546 | GRANTED | 3/21/2024 12:00:00 |
| NATIONAL | Headset-Wearable and Modular Device for Hybrid Brain-Computer Interface | 202241020829 | GRANTED | 4/29/2022 12:00:00 |
| 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)