



# VASUKI.R

ASSISTANT PROFESSOR &  
HEAD

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## PERSONAL PROFILE

Dedicated and passionate educator with 14 years of teaching experience in Computer Science, seeking a professorial position to foster academic growth, inspire students, and contribute to research and curriculum development. Committed to promoting a collaborative and inclusive learning environment.

## AREAS OF EXPERTISE

- Biometrics
- Cryptography
- RDBMS
- .NET
- Web Technology

## CONTACT INFO

Department of Artificial Intelligence  
Mannar Thirumalai Naicker College  
Madurai, Tamilnadu

## WORK EXPERIENCE

### ASSISTANT PROFESSOR

Mannar Thirumalai Naicker College | Jun 2011 to till date

Annai Fatima College of Arts and Science | Sep 2009 to April 2010

### WEBSITE DEVELOPER

LM Technologies | Aug 2006 to Sep 2008

## ACADEMIC HISTORY

### KARPAGAM ACADEMY OF HIGHER EDUCATION

Ph.D Pursuing

### Bharathidasan University

M.Phil | June 2006 to May 2007

M.C.A | June 2003 to May 2006

### Cauvery College for Women

B.C.A | June 2001 - May 2003

### UGC NET 2022

## WORK REFERENCES

Mr.S.Rajarathinam  
Senior HR,Royal Enfield,  
Chennai

Prof. K.R. Sundararajan, Retired,  
Department of Commerce  
Saraswathi Narayanan College,  
Perungudi, Madurai

## **PUBLICATIONS**

- Paper entitled “Enhanced Image Encryption Scheme for Securing Iris Template using a Novel Hybrid Fractional Fourier DRPE”, Journal of Electrical Systems, Vol.20 No.10s (2024), pg.no 1982-1991, <https://journal.esrgroups.org/jes/article/view/5489>
- Paper entitled “Empirical Analysis of Prediction of Crime and Forecasting With IGWO-SVM Approach”, IEEE Explore 2023, 2nd International Conference on Edge Computing and Applications (ICECAA), Namakkal, India, 2023, pp. 531-536, doi: 10.1109/ICECAA58104.2023.10212134.
- Paper entitled “A Novel Image Compression Algorithm Based on Autoencoder for Biometric Template Protection Scheme”, Indian Journal of Science and Technology 16(13): 967- 977, 2023, <https://doi.org/10.17485/IJST/v16i13.2493>
- Paper entitled “Analysis on Encrypted Biometric Template Protection Scheme” in IEEE Explore, 2022 Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), Bhilai, India, 2022, pp. 1-4, doi:10.1109/ICAECT54875.2022.9808016.
- Paper entitled “Banking Through Biometrics Identification” in JCS, Karpagam Academy of higher Education” Volume 16 Issue 4 July – August 2021
- Paper entitled “Lightweight Cryptography Algorithms for Internet of Things” in IJIRSET October 2020 Volume 9, Special issue 2, Pgno:43-48, 2320-6710
- Paper entitled “A Study on software tools for Entrepreneurship (with special reference to SLACK)” on March 2020 Volume IX, Pg. no: 1718- 1727, 2347-6648 in PARISHODH JOURNAL.
- Paper entitled “Smart Role of Deep learning in Google Duplex through Artificial Intelligence” in IJRAR on June 2019, Volume 6, Issue 2, E-ISSN 2348-1269, P- ISSN 2349-5138

## **PAPER PRESENTED IN CONFERENCE/SEMINAR**

- Machine Learning: Algorithms & Applications, International, International Conference on Innovative Trends in IT, Alagappa University, 11/10/23
- A review on Research on Augmented Reality in Education, International, International conference on emerging Trends in Science, Technology and mathematics 2023, Parvathy’s Arts and Science College, 01/31/23
- An overview of Kali linux tools in Cyber security, International, International Conference on: Integrated technologies in Computer Applications, Nadar Saraswathi College of Arts & Science, 01/27/23 & 01/28/23
- Object Detection with you only look once: Literature Review, International, International Conference on Emerging Vistas of Soft computing and Advanced Communication Technology, Mangayarkarasi College of Arts and Science for Women, 11/12/21 & 11/13/21
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- Light Weight Cryptography Algorithms for Internet of Things, International, International Conference on Emerging trends in Science, Technology and Mathematics-2020, Parvathy's Arts and Science College, 09/18/20
- A Study on software tools for Entrepreneurship (with special reference to SLACK), National, A Digital Transformation- Entrepreneur & Infopreneur 2K20, Mannar Thirumalai Naicker College, 01/24/20
- Smart Role of Deep learning in Google Duplex through Artificial Intelligence, International, International Conference on Emerging trends in Science, Technology and Mathematics (ICESTM-19), Parvathy's Arts and Science College, 08/22/19
- Walkthrough in IOT Technologies- A Literature Review, National, Innovative Smart Technologies for Public Health Care, Mother Teresa Women's University, 03/28/18
- Domestic Waste Management, National, From Waste to profit through Reduce, Recycle, Reuse, Madurai Productivity Council, 02/18/17
- Tourism Industry in India: Challenges and Opportunities, National, ICT in Tourism Industry, Mannar Thirumalai Naicker College, 08/12/13

#### **ORIENTATION/ REFRESHER COURSE ATTENDED**

- SUCCESSFUL START- UP FOUNDER, Business systems, Sethu Institute of Technology, 03/11/2021

#### **FACULTY DEVELOPMENT PROGRAMME/ SHORT TERM COURSE ATTENDED**

- Online Live FDP, Microsoft Azure AI Fundamentals, ICT Academy, 03/07/22 to 03/09/22
- RDP, Ethical Norms of Research Writing and Publication: Scopus Indexed Journals, Viruthunagar Hindu Nadar's Senthikumara Nadar College, 05/16/22 to 05/17/22
- FDP, Amazon Web Services, Vellore Institute Of Technology Chennai, 08/22/22 to 08/27/22
- Online Course, Deep Learning Onramp, MathWorks, May 2020
- Online course, Artificial Intelligence - An Innovation Paradigm for Smart Computing, Bharathidasan University, April & May 2020
- Certificate course, Internet of Things- Current Developments, Bharathidasan University, 05/08/20 to 05/12/20
- Certificate Course, Digital Teaching Techniques, ICT Academy, 06/29/20 to 07/04/20
- Moodle Learning Management System (IIT Bombay), R Programming, Thiruvalluvar University College of Arts and Science, 05/21/20 to 05/27/20
- Online Course, Python 3.4.3, May 2022
- Short Term Course, R Programming, IIT Spoken Tutorial, April 2023
- Online Course, Python, Pantech e Learning Pvt Ltd, 05/10/23 to 06/10/23
- FDP, Eight Days Faculty Development Programme on ChatGPT & AI Tools ü to Save your Two Hours of Time Daily, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, 06/16/23 to 06/24/23
- Workshop, ChatGPT & AI Hacks with MS Office, Skill Nation, 07/01/23
- Online Course, Cyber Security, Microsoft Philanthropies' "Cyber Shikshaa for Educators", 09/07/23
- Bridge 23, ICT Academy, 09/30/23
- FDP, Exploring Technological Advancements: A Voyage into Emerging Horizons, SRNM, 11/20/23 to 11/27/23

- FDP, Cyber Intelligence and Awareness on Social Media Security v2.0, Institute of Engineering and Management, 11/27/23 to 12/01/23
- Workshop, GenAI & Data Analytics for HeIs, Association of Self-Financing Arts, Science and Management Colleges of Tamilnadu, 01/05/24
- Workshop, Java, Reccsar Private Limited, 02/13/24
- FDP, Generative AI Models and Applications of Machine Learning, Shri Vishnu Engineering College for Women(A), 05/21/24 to 05/25/24
- National Level FDP, National Education Policy 2020: Challenging Opportunities in the Indian Higher Education Sector, Institution's Innovation Council, Thiagarajar College, Madurai, 07/29/24

### **WORKSHOP/CONFERENCE/FDP ATTENDED IN MTNC**

- International, Recent Trends in Computing Intelligence and industry 4.0, Mannar Thirumalai Naicker College, 03/24/23
- FEP, Insights of National Educational Policy(NEP 2020), Mannar Thirumalai Naicker College, 03/18/23
- FEP, Consultancy and Corporate Training, Mannar Thirumalai Naicker College, 03/17/23
- State, Education 4.0 for Sustainable Economic Development, Mannar Thirumalai Naicker College, 04/27/22
- International, Enhancing Quality by unearthing innovative practices-EQUIP 2022- FDP, Mannar Thirumalai Naicker College, 04/18/22 to 04/24/22
- National, Moodle Learning Management System, Mannar Thirumalai Naicker College, 06/06/20 to 06/10/20
- National, Online National Faculty Enrichment Programme, Mannar Thirumalai Naicker College, 05/13/20 to 05/19/20
- College level, Quality Assurance and sustenance in Higher Education, Mannar Thirumalai Naicker College, 03/11/20
- National, Entrepreneurship Opportunities in IoT, Mannar Thirumalai Naicker College, 02/13/2020
- International, Algorithmic thinking and problem solving, Mannar Thirumalai Naicker College, 01/23/2020
- College level, One day Capacity Building Programme on Outcome Based Education, Mannar Thirumalai Naicker College, 08/28/19
- College level, One day Training and Production workshop on prospectus of Outcome based Curriculum (FDP), Mannar Thirumalai Naicker College, 03/09/19
- College level, One Who can Do, Teaches! How To Do? and What To Do?, Mannar Thirumalai Naicker College, 03/08/19

### **DETAILS OF MEMBER/EDITOR ETC.,**

- Reviewer, Journal of Computer Science ISSN: 1549-3636 (Print) ISSN: 1552-6607 (Online), 05/02/23
- Reviewer, BP International, 12/15/23
- Question setter, AVS College, Bharathiyar University, 2023 to Present
- Question setter & Practical External, V.V.V College, to Present

## **DETAILS OF RESOURCE PERSON**

- Two days Workshop on ChatGPT & AI Tools to Save 2 hours of Work Daily, Nadar Sarawathy College of Arts and Science, Theni, 08/22/23 & 08/23/23
- One day Workshop on Advanced Excel, Parvathy's Arts and Science College, 02/09/2

## **Professional Recognition/Award/Prize/Certificate**

- First prize for Paper presentation, Madurai Productivity Council, 2017

## **POSITIONS HELD AT OUR COLLEGE**

- Attendance Committee member, 2016, 2019
- 6th Criterion Committee member, 2019, Present
- EVS/Value education committee member, 2018, Present

## **PROGRAM ORGANISED**

- Guest Lecture on International Social Justice Day on 20.2.2020
- Awareness on Safer Internet Day Celebration on 9.2.2021
- Guest Lecture on Project Pathway to Career on 4.3.2022
- Inter Collegiate meet IMPERIA2K22 on 29.4.2022
- Industrial Visit to Indian Institute of Astrophysics on 20.5.2022
- Guest Lecture entitled "Project Pathway to Career" on 2.1.2023
- BOTS- Inter department meet 26/09/2022 to 30/09/2022
- Guest Lecture on Entrepreneurship Skills Using Social Media Applications on 28.9.2022
- Inter Collegiate meet -IMPERIA2K23 on 20.3.2023
- A Two day National Level Online Workshop on "ChatGPT & AI Tools to Save 2 Hours of Work Daily" on 27.7.2023 & 28.7.2023
- Guest Lecture on Generative AI on 4.9.2023
- International Peace Day celebration on 21.9.2023
- Skill Development Programme on Chatbot creation using PYTHON on 26.9.2023
- Event coordinator for A Two-Day State Level Technical Workshop On 'Intellectual Property Rights' on 16.10.2023 & 17.10.2023.
- Skill Development Programme on "Advanced Excel" on 8.1.2024 & 9.1.2024
- ICT Academy Power Seminar on 3.2.2024, 3.1.2024 and 22.1.2024
- Three days International Level Online FDP on "AI Tools for Research and Publishing" on 14.2.2024 to 6.2.2024
- Industrial Visit to Profeller Technologies on 23.7.2024
- Code Jam Club activity 19.7.2024
- Skill Development Programme on "Problem solving skills on C" on 5.8.2024
- One Day workshop on Web development on 12.9.2024
- Two days National Level Online Workshop on "Exploring Cutting-Edge AI Tools: Google Gemini, Meta AI and Perplexity" on 21.10.2024 to 22.10.2024

SIGNATURE

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