

R. VASUKI

Head, Department of Artificial Intelligence

E-mail id:vasukir@mannarcollege.ac.in

Mannar Thirumalai Naicker College



CAREER OBJECTIVE:

To become an eminent person in the field of Teaching and Research with credible performance, this will contribute to the growth of the organization and to serve our society.

I. EDUCATIONAL QUALIFICATION:

Qualifying Examination : NET
Year : 2022

Doctoral Research

- **Ph.D.** : Pursuing
- **University** : Karpagam Academy of Higher Education
- **Enrollment Year** : 2021

Master of Philosophy

- **University** : Bharthidasan University
- **Year** : 2007

Post-Graduation

- **University** : Bharthidasan University
- **Degree** : Master of Computer Applications
- **Year** : 2006

Under Graduation

- **University** : Bharthidasan University
- **Degree** : Bachelor of Computer Applications
- **Year** : 2003

II. TEACHING EXPERIENCE:

- Under Graduate : 14 years
- Post Graduate : 10 years

Area of Specialization:

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

INDUSTRY EXPERIENCE:

I worked as a Website Developer from 2007 to 2008 in LM Technologies, Chennai.

III.Publications

- ✓ 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 – August2021
- ✓ Paper entitled “Lightweight Cryptography Algorithms for Internet of Things” in IJIRSET October2020 Volume 9,Special issue 2,Pgno:43-48,2320-6710
- ✓ Paper entitled “A Study on softwaretools 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.

IV. ORIENTATION/ REFRESHER COURSE ATTENDED

S.No.	Orientation/ Refresher Course	Theme	Name of the Institution/University	Month and Year
1	“SUCCESSFUL START-UP FOUNDER”	Business systems	Sethu Institute of Technology	11-03-2021

V. PAPER PRESENTED IN CONFERENCE/SEMINAR

S.No.	Title	International / National/ State level	Title of the Conference	Institution/College Name	Date
1	Machine Learning: Algorithms & Applications	International	International Conference on Innovative Trends in IT	Alagappa University	10.11.2023
2	A review on Research on Augmented Reality in Education	International	<i>International conference on emerging Trends in Science, Technology and mathematics 2023</i>	Parvathy's Arts and Science College	31/1/2023
3	An overview of Kali linux tools in Cyber security	International	International Conference on: Intergrated technologies in Computer Applications	Nadar Saraswathi College of Arts & Science	27/1/2023 & 28/1/2023
4	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	12.11.2021 & 13.11.2021
5	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	18.09.20
6	A Study on software tools for Entrepreneurship (with special reference to SLACK)	National	A Digital Transformation- Entrepreneur & Infopreneur 2K20	Mannar Thirumalai Naicker College	24.01.20

7	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	22.08.19
8	Walkthrough in IOT Technologies- A Literature Review	National	Innovative Smart Technologies for Public Health Care	Mother Teresa Women's University	28.03.18
9	Domestic Waste Management	National	From Waste to profit through Reduce, Recycle, Reuse	Madurai Productivity Council	18.02.17
10	Tourism Industry in India: Challenges and Opportunities	National	ICT in Tourism Industry	Mannar Thirumalai Naicker College	12.08.13

VI. PROGRAMMES ORGANIZED

- ✓ 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 IMPERIA 2K22 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 -IMPERIA 2K23 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 16.10.203 & 17.10.2023.
- ✓ Skill Development Programme on "Advanced Excel" on 8.1.2024 & 9.1.2024

VII. FACULTY DEVELOPMENT PROGRAMME / SHORT TERM COURSE ATTENDED

S. No	FDP/Workshop /Short Term Course//Webinar	Name of the Programme	Name of the Institution / University	Date (DD/MM/YYYY)
-------	--	-----------------------	--------------------------------------	-------------------

1.	National	Recent trends in IT Technologies	Mangayarkarasi College of Arts and Science for women	27/08/16
2	Seminar	Cyber Crimes and Security Issues in Digital World	Madurai Kamaraj University	26/02/2018
3	Seminar	Big Data Analytics	Madurai Kamaraj University	21/02/2019
4	Webinar	Real time cognitive Services on Azure Cloud	Parvathy's Arts and Science College	10/06/2020 to 12/06/2020
5	Webinar	Recent Advancements in Machine Learning	Arul Anandar College (Autonomous)	18/03/2021 & 19/03/2021
6	Webinar	Cloud Computing with Microsoft Azure	Madurai Sivakasi Nadars Pioneer Meenakshi Women's College	12/04/2021
7	Webinar	A Dive into the World of Artificial Intelligence, Machine Learning and Deep Learning	Parvathy's Arts and Science College	07/06/2021
8	Webinar	"Design Thinking on Innovation & Life Skills"	SNMV College of Arts and Science Institute of Management	28/10/2022
9	Seminar	Intellectual Property Rights	The American College, Madurai	03/02/2023
10	Workshop	Smart Research 2020	Government First Grade College, Kanakapura	07/05/2020 to 09/05/2020
11	Workshop	Wordpress Website Development	Digital Version	25/12/2021 & 26/12/2021
12	International Workshop	"7 Secrets to Mastering Effective Communication Skills in English"	Research India Foundation	09/09/2022
13	FDP	NTA UGC NET & SET Paper 1 - Numerical Aptitude Training	Parvathy's Arts and Science College	01/06/2020 to 06/06/2020
14	FDP	Data Science with Python	ICT Academy	18/05/2020 to 23/05/2020
15	FDP	Python	SKN Sinhgad College of Engineering, Maharashtra,	18/05/2020 to 23/05/2020
16	Online Live FDP	Stress Management	ICT Academy	23/03/2021 to 27/03/2021
17	FDP	Current Trends in Information Technology	Nehru Arts and Science college (Autonomous)	2/02/2022 to 09/02/2022

18	Online Live FDP	Microsoft Azure AI Fundamentals	ICT Academy	07/03/2022 to 09/03/2022
19	RDP	Ethical Norms of Research Writing and Publication: Scopus Indexed Journals	Viruthunagar Hindu Nadar 's Senthikumara Nadar College	16/5/2022 & 17/05/2022
20	FDP	"Amazon Web Services"	Vellore Institute Of Technology Chennai	22/08/2022 to 27/08/2022
21	Online Course	Deep Learning Onramp	MathWorks	May 2020
22	Online course	Artificial Intelligence - An Innovation Paradigm for Smart Computing	Bharathidasan University	April & May 2020
23	Certificate course	"Internet of Things- Current Developments"	Bharathidasan University	08/05/2020 to 12/05/2020
24	Certificate Course	"Digital Teaching Techniques"	ICT Academy	29/06/2020 to 04/07/2020
25	Moodle Learning Management System (IIT Bombay)	R Programming	Thiruvalluvar University College of Arts and Science	21/05/2020 to 27/05/2020
26	Online Course	Python 3.4.3	-	May 2022
27	Short Term Course	R Programming	IIT Spoken Tutorial	April 2023
28	Online Course	Python	Pantech e Learning Pvt Ltd	10/5/2023 to 10/6/2023
29	FDP	Eight Days Faculty Development Programme on ChatGPT & AI Tools to Save your Two Hours of Time Daily	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	16/06/ 2023 to 24/06/2023
30	Workshop	ChatGPT & AI Hacks with MS Office	Skill Nation	1/7/2023
31	Online Course	Cyber Security	Microsoft Philanthropies' "Cyber Shikshaa for Educators"	07/09/2023
32	Bridge	Bridge23	ICTAcademy	30/9/2023
33	FDP	Exploring Technological Advancements: A Voyage into Emerging Horizons	SRNM	20/11/2023 to 27/11/2023

34	FDP	Cyber Intelligence and Awareness on Social Media Security v2.0	Institute of Engineering and Management	27/11/2023 to 1/12/2023
35	Workshop	GenAI & Data Analytics for HEIs	Association of Self-Financing Arts, Science and Management Colleges of Tamilnadu	5.1.2024
36	Workshop	Java	Reccsar Private Limited	13.2.2024
37	FDP	Generative AI Models and Applications of Machine Learning	Shri Vishnu Engineering College for Women(A)	21-05-2024 to 25-05-2024

VIII. Professional Recognition/Award/Prize/Certificate, Fellowship received

S.No.	Name of Award	Awarding Agency	Year
1	First prize for Paper presentation	Madurai Productivity Council	18/2/2017

IX. POSITIONS HELD AT OUR COLLEGE

S.No.	Name of position	From	To
1	Attendance Committee member	2016	2019
2	6 th Criterion Committee member	2019	Till now
3	EVS/Value education committee member	2018	Till now

X. DETAILS OF MEMBER/ EDITOR ETC.,

S. No	Specification	Name of the Institution / University	Period
1	Reviewer	Journal of Computer Science ISSN: 1549-3636 (Print) ISSN: 1552-6607 (Online)	2.5.2023
2	Reviewer	BP International	15.12.2023
3	Question setter	AVS College	2023
4	Question setter & Practical External	V.V.V College	2023 to till

XI.WORKSHOP/CONFERENCE/FDP ATTENDED IN MTNC

S.No.	International/ National/ State Level	Title of the Workshop/Conference /FDP	Name of the Institution	Month and Year
1	International Seminar	Recent Trends in Computing Intelligence and industry 4.0”	Mannar Thirumalai Naicker College	24.3.2023
2	FEP	Insights of National Educational Policy(NEP 2020)	MTN College, Madurai	18.3.2023
3	FEP	Consultancy and Corporate Training	MTN College, Madurai	17.03.2023
4	State	Education 4.0 for Sustainable Economic Development	Mannar Thirumalai Naicker College	27.04.2022
5	International	Enhancing Quality by unearthing innovative practices-EQUIP 2022- FDP	Mannar Thirumalai Naicker College	18.4.2022 to 24.04.2022
6	National	Moodle Learning Management System	Mannar Thirumalai Naicker College	06.06.20 to 10.06.20
7	National	Online National Faculty Enrichment Programme	Mannar Thirumalai Naicker College	13.05.20 to 19.05.20
8	College level	Quality Assurance and sustenance in Higher Education	Mannar Thirumalai Naicker College	11.03.2020
9	National	Entrepreneurship Opportunities in IoT	Mannar Thirumalai Naicker College	13.02.2020
10	International	Algorithmic thinking and problem solving	Mannar Thirumalai Naicker College	23.01.2020
11	College level	One day Capacity Building Programme on Outcome Based Education	Mannar Thirumalai Naicker College	28.08.2019
12	College level	One day Training and Production workshop on prospectus of Outcome based Curriculum (FDP)	Mannar Thirumalai Naicker College	09.03.2019
13	College level	One Who can Do, Teaches! How To Do? and What To Do?	Mannar Thirumalai Naicker College	08.03.2019

REFERENCE

1) Mr. S. Rajarathinam
Vice President
Royal Enfield
Chennai

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

PERSONAL DETAILS

Husband Name

Dr.S.Sukumar

Sex

Female

Date of Birth

07- 06 -1983, 40 years

Marital Status

Married

Nationality, Religion & Caste

Indian, Hindu, Reddy Ganjam

Category

BC/GT

Languages known

English, Tamil.