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|---|---|---|
| **Name** | : | **Dr. T. Priya.MCA.,MPhil.,PhD.,** |

**Mobile** : 97865 12149

**E-Mail** : suga.priya04@gmail.com

## EDUCATIONAL CREDENTIALS

| COURSE/ DEGREE | PERCENTAGE | SCHOOL/ COLLEGE | YEAR OF PASSING |
|---|---|---|---|
| PhD | Highly Commended | The Gandhigram Rural Institute - Deemed to be University, Gandhigram, Dindigul. | 2019 |
| MPhil | 67.2 | M K University Evening College, Dindigul, Madurai Kamaraj University. | 2015 |
| MCA | 76.00 | P.S.N.A College of Engineering & Technology, Anna University, Dindigul. | 2009 |
| B.SC(Physics) | 68.05 | Ramaprabha college of arts and science, MK University, Dindigul. | 2006 |
| H.SC | 71.25 | St.Joseph's Girls Higher Secondary school, Dindigul. | 2003 |
| X-STD | 82.60 | St.Joseph's Girls Higher Secondary school, Dindigul. | 2001 |

## PERSONAL DETAILS

| | | |
|---|---|---|
| **DATE OF BIRTH** | : | 4th September 1985 |
| **FATHER'S NAME** | : | T.THIRUVASAGAM |
| **LANGUAGES KNOWN** | : | English, Tamil |
| **NATIONALITY** | : | Indian |
| **MARITAL STATUS** | : | Married |
| **HUSBAND'S NAME** | : | M.KATHIRAVAN. ME., MBA., |
| **SEX** | : | Female |
| **PERMANENT ADDRESS** | : | 5/624, Ramar Colony, N.G.O Colony (P.O), Dindigul-624005. |

## SOFTWARE TECHNICAL ENVIRONMENTS

**PROGRAMMING LANGUAGES**    C, C++, Java, Visual Basic 6.0, .Net, Xml, HTML
**OPERATING SYSTEM**    Windows Xp, UNIX
**DATABASE**    MS-Access 2003, SQL Server, Oracle

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## AREA OF INTEREST

- ➢ Digital Image Processing
- ➢ Medical Image Segmentation

## STRENGTHS

- ➢ Responsible Attitude.
- ➢ Ability to work individually as well as in a team.
- ➢ Sincere, hardworking and patience.
- ➢ Adaptability.

## List of Research articles presented in National Conference

[1]   "MRI Brain Tissue Segmentation using AKM and FFCM clustering techniques", Proceedings of National Conference on Recent Advances    in   Computer   Science and Application, Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed University,19 - 20, March 2015.

[2]   "Performance of Clustering Techniques on segmentation of Brain Tissues in MRI Human Head Scans", Proceedings of National Conference on New Horizons in Computational Intelligence and Information Systems, Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed University, 17 - 18, December 2015.

[3]   "Segmentation of Brain Tissue in MR Brain Image Using Wavelet Based Image Fusion with Clustering Technique" in the proceedings of National Conference  on Computational Methods, Communication Techniques and Informatics, Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed University, 27 - 28, January 2017.

[4]   "Detection of Alzheimer Disease in MR Brain Images using FFCM Method", in the proceedings of National Conference on Computational Methods, Communication Techniques and Informatics, Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed University, 27 - 28, January 2017.

## List of Research articles presented in International Conference

[1]   "Removal of Impulse Noise using Histogram - Based Localized Wiener Filter for MR Brain Image Restoration " in the proceedings of IEEE International Conference on Advances in Computer Applications, Department of Computer Applications, Bharathiar University, Coimbatore, 2016.

[2]   "Noise Removal In MR Brain Images Using 2D Wavelet Based Bivariate Shrinkage Method" in the proceedings of International Conference on Discrete and Computational Mathematics, Department of Mathematics, Gandhigram Rural Institute and Deemed University, 16 - 18, February 2017.

[3]   "Brain Extraction from MRI Human Head Scans using Outlier Detection Based Morphological Operation" in the proceedings of First International Conference on Computer Vision, Networks and Informatics held on 22th and 23th March  2018 organized by Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed to be University, Dindigul.

[4]   "Histogram Based Multimodal Minimum Cross Entropy Thresholding Method for Magnetic Resonance Brain Tissue Segmentation" in the proceedings of International Conference Advanced Computing and Big Data Analytics" held on 23 and 24th March 2018 organized by Department of Computer Science and Engineering, Kingston Engineering College, Vellore.

## List of Research articles published

**[1]** "Removal of Impulse Noise using Histogram-Based Localized Wiener Filter for MR Brain Image Restoration", (IEEE Xplorer, Accession Number: 16776900), pp. 4-8, 2016 (ISBN: 978-1-5090-3769-8, DOI: 10.1109/ICACA.2016.7887913) **SJR: 0.17, H-Index: 4.**

[2] "Performance of Clustering Techniques on segmentation of Brain Tissues in MRI Human Head Scans", Proceedings of National Conference on New Horizons in Computational Intelligence and Information Systems, Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed University, 17 - 18, December 2015.

**[3]** "Noise Removal in MR Brain Images using 2D Wavelet Based Bivariate Shrinkage Method", Global Journal of Pure and Applied Mathematics, Vol. 13, No. 5, pp.77-86, 2017 (ISSN: 0973-1768) **(ICI indexed) SJR: 0.12, H-Index: 10.**

[4] "Segmentation of Brain Tissue in MR Brain Image Using Wavelet Based Image Fusion with Clustering Technique" in the proceedings of National Conference on Computational Methods, Communication Techniques and Informatics, Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed University, 27 - 28, January 2017.

[5] "Detection of Alzheimer Disease in MR Brain Images using FFCM Method", in the proceedings of National Conference on Computational Methods, Communication Techniques and Informatics, Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed University, 27 - 28, January 2017.

**[6]** "Brain Extraction from MRI Human Head Scans using Outlier Detection Based Morphological Operation", International Journal of Computer Sciences and Engineering, Vol. 6, Issue 4, pp. 266-273, 2018 (ISSN : 2347 -2693**) (ICI Indexed) (UGC Approved Journal Number : 63193).**

**[7]** "Histogram Based Multimodal Minimum Cross Entropy Thresholding Method for Magnetic Resonance Brain Tissue Segmentation", Journal of Computational and Theoretical Nanoscience, Vol. 15, No. 6/7, pp. 2430-2436, 2018 (ISSN: 1546-1955, DOI:10.1166/jctn.2018.7484) **(Scopus Indexed) (UGC Approved Journal Number : 6874) SJR: 0.16, H-Index: 43.**

**[8]** "HSV Based Histogram Thresholding Technique for MRI Brain Tissue Segmentation", Advances in Signal Processing and Intelligent Recognition Systems. Communications in Computer and Information Science, Springer, Singapore, Vol. 968, pp. 322-333, 2019 (ISSN: 1865-0929, DOI.org/10.1007/978-981-13-5758-9) (**Scopus Indexed) (UGC Approved Journal Number: 16246) SJR: 0.17, H-Index: 40.**

**[9]** "Brain Tissue Segmentation in MRI Brain Images Using Histogram Based Swarm Optimization Techniques", Current Medical Imaging, Bentham Science Publisher,Vol.15,No.1,2019,(ISSN:1573-4056, (**SCI and Scopus Indexed**) (**UGC Approved Journal Number: 14246**) **SJR: 0.15, H-Index: 21.**

[10] "Brain Tissue Volume Estimation to Detect Alzheimer's Disease in Magnetic Resonance Brain Images", Soft Computing (SOCO), Vol. 25, Iss.3, pp.1-11, 2021 (ISSN: 1433-7479) (SCI and Scopus Indexed) Impact Factor: 3.050 SJR: 0.15, H-Index: 64.

## Seminars, workshop and faculty development program attended

[1]  Workshop on Personality Development and Leadership Quality conducted byPRECISION INFORMATIC institute, organized by P.S.N.A college of Engineering and Technology, Dindigul.

[2]  Workshop on "Medical Imaging and Informatics" held on 24th March 2016 organized by N.G.P Institute of Technology, Coimbatore.

[3]  Workshop on "Medical Image Processing" held on 09th September 2016 organized by Anna University Regional Campus, Coimbatore.

[4]  Seminar on "Online Resources and Tools for Research" held on 14th November 2016 organized by Gandhigram Rural Institute - Deemed University, Gandhigram.

[5]  Workshop on "Video Restoration Techniques" held on 26th January 2017 organized by Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed University, Dindigul.

[6]  Workshop on "Scientific Writing and Research Ethics" held on 18th September 2017 organized by Department of Computer Science and Applications, Gandhigram Rural Institute and Deemed to be University, Dindigul.

[7]  One Day National Seminar on the topic of "Online Tools for Research" held on 11th January 2018 organized by Department of Library, Gandhigram Rural Institute and Deemed to be University, Dindigul.

[8]  International Workshop on Mathematical Modeling and Soft Computing (IWMMSC- 2018) held on 25th - 27th April 2018 organized by Department of Mathematics, Gandhigram Rural Institute and Deemed to be University, Dindigul.

[9]  326TH One day National webinar on "Art Physiology" organised by ATAL BIHARI VAJPAYEE TRUST, BILASPUR CG on 09.01.2021.

[10]  Three days faculty development program on "Institutions and Entrepreneurial Eco system" from 22.09.21 to 24.09.21, organized by All Hub and Compreneur Cell, AYYAR NADAR JANAKI AMMAL COLLEGE in association with the IQAC under UGC PARAMARSH SCHEME.

[11]  One day webinar on "Nation Building-Role of Youth in Social Services", organized by Youth Red Cross, Saradha Gangadharan College, Pudhucherry.

[12]  One day National Webinar on "Financial Empowerment Through wealth Creation", Organised by PG & Research Department of Commerce, Swami Dayananda College of Arts and science and IQAC in Collaboration with Association of Mutual Funds in India (AMFI), held on 11th October, 2021 through Zoom meet.

[13]  AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "AICTE Sponsored ATAL Five Days Faculty Development Program on Cyber Security" from 25/10/2021 to 29/10/2021 at SRM INSTITUTE OF MANAGEMENT TECHNOLOGY.

[14]  Three days Faculty Development Program on LEARNING BASIC STATISTICS AND DATA INTERPRETATION USING SPSS (SERIES 1) organized by Department of Management Studies, Saveetha Engineering College from 23/09/2021-25/09/2021.

[15]  One day International webinar on *Non-Violence and Gandhi"* held on 9th October 2021, Organised by Sathiyam Social Service Organisation (SSSO), Tirupatture-Dt, Tamil Nadu - 635851, India.

[16]  International Webinar organized by the PG Department of M.Sc Computer Science, G.T.N Arts College (Autonomous), Dindigul on 29th October 2021. Mr.P.Ramesh Kannan, Senior Vice President, Global Consumer Technology, Singapore and

Shri.Sheeba Rajkumar, Global Employee Experience Lead, Silicon Valley Bank, Bangalore, addressed on the theme on "Top Technology Trends and Opportunities.

[17] National webinar on "Openshot Video Editor" organised by the Department of Computer Applications, V.H.N.Senthikumara Nadar College (Autonomous), Virudhunagar, Tamil Nadu on 26.10.2021 and 27.10.2021.

[18] AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Cyber Security" from 04/10/2021 to 08/10/2021 at National Institute of Technology Nagaland.

[19] Three days online FDP on "Qualitative Research" organized from 22nd September 2021 to 24th September 2021, By DEPARTMENT OF FINANCIAL PLANNING, Dr.M.G.R. Educational and Research Institute (Deemed to be University) Maduravoyal,chennai-600095,Tamil Nadu.

[20] Two days FDP program on Skill Development by phoenix Training Academy organized by NPR Group of Institution, Natham and got **incredible award**.

[21] International webinar on "Recent Trends in Automated Testing" organised by the Department of Computer Science and Engineering, Sathyabama Institute of Science and Technology (Deemed to be University) , Tamil Nadu on 25.01.2022.

[22] National workshop on "Robotic Process Automation" organised by the Department of Computational Intelligence, SRM Institute of Science and Technology, Kattankulathur, Chennai, Tamil Nadu on 27.01.2022 to 28.01.2022.

[23] National and Academicians webinar on "How to be a Wise Consumer and Smart Investor", Government Polytechnic Vijaypura, Karanataka and Consumer Guidance Society of India on 22.01.2022.

[24] One day National level Workshop on "Research Article Writing and Publishing with Citation organized by Department of Computer Science, Information Technology and Computer Application on 15.12.2021.

[25] One Week Online International Faculty Development Program on Next Generation Computing: Key Trends, Challenges and Opportunities organized by the Department of Computer Science and Applications (MCA), SRM Institute of Science and Technology, Ramapuram Campus from 18.04.2022 to 23.04.2022.

[26] Five days Faculty Development Program on "Robotic Process Automation Associate (UiPath)", conducted by ICT Academy on 13.06.2022 to 17.06.2022 at PSNA College of Engineering and Technology, Dindigul.

[27] One week Faculty Development Program on "Amazon Web Services", organized by PSNA College of Engineering and Technology, Dindigul in collaboration with Brainovision Solution India Pvt Ltd and All India Council for Technical Education on 22.08.2022 to 27.08.2022

## CURRICULUM PROJECT [M.C.A]

| | | |
|---|---|---|
| **TITLE** | : | Bio Cotton Expert |
| **LANGUAGE** | : | VB.Net 2003 |
| **DATA BASE** | : | Sql Server 7.0 |
| **DURATION** | : | 6 month |
| **TEAM SIZE** | : | 1 member |
| **SYNOPSIS** | : | The purpose of the Bio Cotton Expert is to manage and monitorthe complete details of fully automated system meant to reduce manual work in Bhuvaneshwari Spinning Mills Limited, Dindigul. Itprovides |

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the real time management in a cotton mill.

In real time there is a problem of taking for managing the entry details in a cotton mill, but using this Bio Cotton Expert System the administrator of the cotton entry department easily manage the entry work.

## MINI-PROJECT [M.C.A]

| | | |
|---|---|---|
| **TITLE** | **:** | Bank Automation |
| **LANGUAGE** | **:** | Visual Basic 6.0 |
| **BACK-END** | **:** | MS-Access |
| **DURATION** | **:** | 2 months |
| **TEAM SIZE** | **:** | 1 member |
| **SYNOPSIS** | **:** | It is a self learning project done by me with some guidance from my staffs in our college. In this project I finished some modules like transaction of cash withdrawal and cash deposit process in thebank. This project was done in Visual basic 6.0 as front end and MS-Access as back end. |

## CURRICULUM PROJECT [B.Sc]

| | | |
|---|---|---|
| **TITLE** | **:** | Construction of a Box type Solar Cooker |
| **DURATION** | **:** | 6 months |
| **TEAM SIZE** | **:** | 2 member |
| **SYNOPSIS** | **:** | This project describes the construction of a cooker which works in sun radiation. |

## CO-CURRICULAR  ACTIVITIES

❖ Attended Ten days NSS camp in Valakkaipatti.

❖ Conducted technical Symposiums in which members from various colleges participated.

❖ Conducted Inter-departmental and Intra-departmental competitions in our College.

## HOBBIES

o Drawing.

o Listening Music.

o Reading Books.

## EXPERIENCE

1. Institution : SBM POLYTECHNIC COLLEGE, DINDIGUL.

   Duration : Worked as an office assistant, July-2009 to January -2010.

2. Institution : SBM COLLEGE OF ENGG & TECH, DINDIGUL.

   Duration : Worked as a Teaching Assistant, Dec-2012 to July-2013.

3. Institution : PANNAIKADU VEERAMMAL PARAMASIVAM COLLEGE OF ARTS & SCIENCE SINGARAKOTTAI.

   Duration : Worked as a Assistant Professor, Department of IT, Jun-2014 to March 2015.

4. Institution : NPR COLLEGE OF ARTS & SCIENCE, NATHAM.

   Duration : Worked as a Assistant Professor, Department of IT, Sep-2021 to Dec-2021.

5. Institution  :  G.T.N. ARTS COLLEGE (Autonomous), Dindigul.

   Duration   :  Worked as a Assistant Professor, Department of BCA, Dec 2021 to till date.

## **DECLARATION**

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.

**Place:  Dindigul**                              **Yours faithfully,**

**Date:**                                        (Dr. T. Priya)