

# Dr.Thomurthy Murali Mohan

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**Current Position:** Professor & HOD Cse Department (from 01<sup>st</sup> Jan 2015 to Till Now)  
Swarnandhra Institute of Engineering & Technology (SIET)  
Seetharampuram, Narsapur. W Godavari, AP

**Previous Position:** Principal (i/c) (01<sup>st</sup> Jan 2020 to 18<sup>th</sup> April 2022) (2.2 YEARS)  
Swarnandhra Institute of Engineering & Technology (SIET)  
Seetharampuram, Narsapur. W Godavari, AP

## Education

**AMIE, B-Section Membership No: AM162055-2, from Institute of Engineers of India, Kolkata.**

**Ph.D. in Computer Science & Engineering, Hiroshima University, Japan 2015.**  
Dissertation Title: Personalized Recommendation Algorithms with Collaborative Filtering.

**M.Tech in Computer Science & Engineering, JNTU K University, 2010-12.**  
Dissertation Title: Mining Web Graph Recommendations.  
Percentage: 73.4

**M.Sc. in Computer Science, Andhra University, 2003-05.**  
Dissertation Title: Import and Exports Processing Systems.  
Percentage: 71.4

## Awards:

- Selected as **MONBUSHO (MEXT) Scholarship, Japan Government 2006-2008.**
- Received a **Young Scientist Award from IJIEMR Elsevier SSRN Research Awards 2020.**
- Got the **Best Paper Award** in the 13<sup>th</sup> International Conference in GOA 2013.
- Worked as Technical Developer in FAITH Corp. JAPAN for Mitsubishi Projects 2007-2008.
- Received NPTEL Certification of **Appreciation as a Active Spoc** for the SWAYAM-NPTEL local Chapter for the year July – December **2017** Semester.
- Selected as one of the "**Most Promising Educators in Higher Education across India**" **for the year 2019, by Ukletz.**
- Received NPTEL Certification of **Appreciation as a Active Spoc** for the SWAYAM-NPTEL local Chapter for the year July – October **2018** Semester.

## Books

- **“Statistics with R Programming language (A Beginners Guide)”** published by SCHAND Company with ISBN No. 9789352830404, **2017**.
- **“Python with Machine Learning”** published by SCHAND Company with ISBN no.9789352835102, **2018**.
- **“Cryptography with Network Security”** published by Shree Publishing House with ISBN No. 978-83-88196-34-5, **2019**.
- **“Hadoop with R Programming”**, published by Shree Publishing House with ISBN No. 978938819606, **2019**
- **“Ecommerce”**, published by Shree Publishing House with ISBN No. 9789388196413, **2019**
- **“Unix”**, published by Shree Publishing House with ISBN No. 9789388196390, **2019**
- **“Open Source Software”** publishing by Shree Publishing House with ISBN No. 97889388196420, **2019**
- **“Data Warehousing and Data Mining”** published by Shree Publishing House with ISBN No. 9789388196536, **2021**.
- **“Database Management Systems”** published by Shree Publishing House with ISBN No. 9789388196529, **2021**.
- **“Web Technologies”** published by Shree Publishing House with ISBN No. **978939111732**, **by 2021**

## Resource Person

1. A Two day National Workshop on **“R programming Language”** Organized by CSE Dept., JNTUK University, **JNTUK Kakinada**, from **17<sup>th</sup> to 18<sup>th</sup> February 2018**.
2. A Six Days Workshop on **“Python Programming Language”** Organized by CSE Department, Swarnandhra College of Engineering and Technology, from 28<sup>th</sup> January 2019 to 2<sup>nd</sup> February 2019 (**28-1-19 to 2-2-19**).
3. A Two day National Workshop on **“R programming Language”** Organized by CSE Dept., JNTUK University, **JNTUK Kakinada**, from **26<sup>th</sup> to 27<sup>th</sup> February 2020**.
4. A Five day Workshop on **“Entrepreneurship Sensitization & Development Programme”**, from 24<sup>th</sup> June, 2019 to 28<sup>th</sup> June, 2019 GMR Polytechnic, Talarsinge, Paderu which is sponsored by Entrepreneurship Development Institute of India (EDII), Ahmedabad, under the aegis of NSTEDB, DST, Govt. of India, New Delhi.

## Patents (Applied)

1. **An Automated Patient Health Care and Data Management System**, CBR No 24854, Ref No: 201941031241, App No: Temp/E-1/32715/2019-CHE.
2. **An Integrated Social Media Communication System**, CBR No 24854, Ref No: 201941031240, App No: Temp/E-1/32730/2019-CHE

## Patent (Published)

1. **Artificial Intelligence approach to Health care Monitoring system using Internet of Things**, Application No. **202141006202 A**.

## Professional Experience

- Currently working as Professor & HOD Cse Department from **01-01-2015**, in SIET College.

- Worked as Principal (i/c) in Swarnandhra Institute of Engineering & Technology (SIET) Narsapur, W.G. Dist. **01 Jan 2020 to 17-04-2022.(Two Years Two Months)**
- Worked as Assistant Professor in Kaushik College of Engineering from 01-Jan -2009 to 31-Dec-2014.
- Worked as Developer at FAITH Corporation, Japan 21<sup>st</sup> Oct 2006 to 31<sup>st</sup> Nov 2008.
- Worked as Assistant Professor in Kaushik College of Engineering from 01-June -2005 to 31-05-2006.

## Teaching Interests & Subjects Taught

Data Communication & Network	Operating Systems
Systems Programming	Artificial Intelligence
Software Project Management	Computer Organization
Mobile Computing	Computer Network
R Programming	Python Programming

## Number of Publications and Others

S. No	Status of Journal & Patents & Books	Total
1	International Journals	22
2	International Conferences	8
3	National Conferences	2
4	Patents (Applied)	2
	Patent(Published)	1
5	Books	10
6	FDP (Conducted)	2

## Publications:

- **An Object Oriented Approach to Mining Web Graphs for Recommendations** in IJCSCN (International Journal of Computer Science & Communication Networks) Volume 2 Isssu3, ISSN: 2249-5789, pp.364-368, July - 2012.
- **Recommended System for Neighborhood-Based Collaborative filtering Algorithms using Pearson Correlation** in IJECE (International Journal of Electronics Communication an Computer Engineering) Volume 4, Issue 6, ISSN (Online): 2249-071X, ISSN (Print): 2278-4209, pp.1627-1632, November - 2013.
- **Hyrbid Collaborative Filtering Based on Probabilistic Prototype** in IJETT (International Journal of Engineering Trends and Technology) Volume 5, Number 5, eISSN (Online): 2231-5381, pISSN (Print):2349-0918, pp.272-277, November – 2013.
- **Random Data Perturbation Technique on Model Based Collaborative Technique Using Composite Prototype Method** in IJCRD (International Journal of Combined Research & Development) Volume 2, Issue 2, eISSN(Online): 2321-225X, pISSN (Print): 2321-2241, pp:1-8, February- 2014.
- **A Combination of Efficient Algorithms in Collaborative Filtering Techniques Using Pseudo Matrix** in IJETI (International Journal of Engineering & Technology Innovations) Volume1, Issue 2, ISSN (Online): 2348-0866, pp.6-11, May - 2014.

- **Key Performance Indicators in Cloud Computing** in International Journal of Engineering Innovation & Research Volume 2, Issue 6, ISSN 2277-5668.
- **Adversary Model Operation in Cloud Computing** in International Journal of Engineering & Research Volume 2, Issue 6, ISSN 2277-5668.
- **Multicast Key Management Protocol Efficient Data Communication** in International Journal & Magazine of Engineering, Technology, management and Research, Volume 3, Issue 12, ISSN No. 2348-4845, December 2016.
- **An Efficient Multi keyword Search with integrated Model in** International Journal of engineering Trends and Technology (IJETT), Volume 40 Issue 4, ISSN No. 2231-5381, October 2016.
- **Privacy Convey Replication process with Improved Fidelity in** International Journal of Scientific Engineering and Technology Research, Volume 6, Issue 23, ISSN No. 2319-8885, 2017.
- **Author Profiling Approach for Location Prediction** © Springer Nature Singapore Pte Ltd. 2019 R. S. Bapi et al. (eds.), First International Conference on Artificial Intelligence and Cognitive Computing, Advances in Intelligent Systems and Computing 815, [https://doi.org/10.1007/978-981-13-1580-0\\_37](https://doi.org/10.1007/978-981-13-1580-0_37). 978-981-13-1579-4(print ISBN), 978-981-13-1580-0 (online ISBN), pp 389-395, 2019. (SCOPUS)
- A Novel Approach for Predicting Nativity Language of the Authors by Analyzing their Witten Texts conducted by ICICSE- 2018© Springer Nature Singapore Pte Ltd. 2019, H. S. Saini et al. (eds.), *Innovations in Computer Science, and Engineering*, Lecture Notes in Networks and Systems 74, [https://doi.org/10.1007/978-981-13-7082-3\\_3](https://doi.org/10.1007/978-981-13-7082-3_3). (SCOPUS)
- An Approach for suggestion mining based on deep learning techniques IOP Conf. Series: Materials Science and Engineering 1074 (2021) 012021 IOP Publishing doi:10.1088/1757-899X/1074/1/012021 (Scopus)
- A Novel approach for Authorship verification by ICDECT-2019 by Data Engineering and Communication Technology Springer by [https://doi.org/10.1007/978-981-15-1097-7\\_37](https://doi.org/10.1007/978-981-15-1097-7_37) Online ISBN 978-981-15-1097-7. (SCOPUS)
- A Distance Measures Based Approach for Text Classification by Design Engineering ISSN 0119342, Year 2021 (SCOPUS)
- A Feature Selection Technique based Approach for Intrusion Detection by Design Engineering ISSN 0119342, Year 2021 (SCOPUS)
- Stylistic features based Approach for Bot Detection by Design Engineering ISSN 0119342, Year 2021(SCOPUS)
- Predicting Profiles of celebrity authors by analyzing their text using Term Weight Measures by Mukht Shabt Journals, ISSN 2347-3150, August 2021 (UGC)
- An Approach for Text Classification using Feature Selection Algorithms by Mukht Shabt Journals, ISSN 2347-3150, September 2021(UGC)
- A Feature Selection technique based Approach for predicting Student Academic Performance by Mukht Shabt Journals, ISSN 2347-3150, July 2021(UGC)

- Prediction Exploration for Coronary Heart Disease aid of Machine Learning by IJRECE January- march 2019 vol. 7 issue 1, 2393-9028 (PRINT) 2348-2281 (ONLINE) (UGC)
- Proficiency Structure Separation of Unsupervised Machine Learning IJRECE January- march 2019 vol. 7 issue 1, 2393-9028 (PRINT) 2348-2281 (ONLINE) (UGC)

### **International Conferences:**

- **Classification and Feature Selection Techniques in memory Based Collaborative Filtering** Conducted by Research Development Association, Jaipur 2013. (BEST PAPER AWARD).
- **IT Implementation for Poverty Eradication – ecommerce Perspective** Conducted by Kathmandu University, Nepal.
- **Poverty Reduction by Localization of IT Education** Conducted by Kathmandu University, Nepal.
- **Geographical Information System (GIS) Technology Implementation through E-Security** Conducted by Research Development Association, Jaipur.
- **Author Profiling Approach for Location Prediction** conducted by AICC- 2018 (Artificial Intelligence & Cognitive Computing) with Springer Collaboration on 2<sup>nd</sup> & 3<sup>rd</sup> Feb 2018 at MLR Institute of Technology, India
- **A Novel Approach for predicting nativity language of the authors by analyzing by their Written Tests** conducted by ICICSE-2018 with Springer Collaboration and Microsoft on 17<sup>th</sup> & 18<sup>th</sup> August, 2018 at GURU NANAK Institutions, India.
- **A Novel Approach for Authorship Verification by ICDECT2019** with Springer Collaboration on 15<sup>th</sup> and 16<sup>th</sup> March 2019 at Stanley college of Engg. Hyderabad.
- **An Approach for suggestion Mining based on Deep learning Techniques** conducted by Compute vision, High Performance computing, smart devices, and networks (CHSN-2020) by JNTUK Kakinada on 28 – 29 December 2020. doi:10.1088/1757-899X/1074/1/012021.

### **National Conferences**

- Implementing Web enabled GIS Service Application Perspective conducted by National conference of Information Technology and Enabled Service by Adikavi Nanaya University, Rajahmundry.
- NGO's Sustainability – Poor and Needy People conducted by National conference of Information Technology and Enabled Service by Adikavi Nanaya University, Rajahmundry.

### **Technical Skills**

Languages	: C, C++, R- Programming, Python
RDBMS	: Oracle, Sql Server
Operating Systems	: Dos, Win2k/Xp/NT. Vista
Database	: Oracle, MySql, Ms-Access
ERP Package	: SAP XI

## **Personal Profile**

Name : Thomurthy Murali Mohan  
Date of Birth : 06<sup>th</sup> August 1980  
Marital Status : Married  
Languages Known : Telugu, Hindi, English,

## **Permanent Address**

Dr.Thomurthy Murali Mohan,  
S/o. Thomurthy Pydi Raju,  
Dr.No 22-90-5, Burujupeta,  
Near SKML Temple,  
Viskhapatnam 530001.

Date: 5<sup>th</sup> January, 2023.

Place: Visakhapatnam.

Dr. Thomurthy Murali Mohan.