Prof.(Dr).Thomurthy Murali Mohan

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Current Position:

Professor & HOD,

Department of Cyber Security & Business Systems,

Swarnandhra College of Engineering & Technology (**SCET**)

Seetharampuram, Narsapur, W. Godavari, A.P.

Previous Position:

Principal (I/C) (**01ˢᵗ Jan 2020 to 18ᵗʰ April 2022**) (**2.2 YEARS**) &

HOD OF CSE Department (**01ˢᵗ July 2015 to 31ˢᵗ July 2023**) (**9 Years**)

Swarnandhra Institute of Engineering & Technology (**SIET**)

Seetharampuram, Narsapur. W.Godavari, A.P.

Education:

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/Achievements

- Selected as **MONBUSHO (MEXT)** Scholarship, Government of Japan 2006-2008.

- **Ratified** as a **Professor** by **JNTUK** Kakinada in the year **2022**.

- Addressed as a **Key Note Speaker** in 1st International Conference on CSEAi 2023 on Sponsored by SERB India and Collaborated with California State University USA conducted by Lendi Institute of Engineering and Technology on 17th and 18th November 2023.

- Acted as a **Session Chair** 1st International Conference on Computing for Science, Engineering and Artificial Intelligence (CSEAi 2023) Sponsored by SERB India and Collaborated with California State University USA conducted by Lendi Institute of Engineering and Technology on 17th and 18th November 2023.

- Acted as a **Session Chair** 1st International Conference on Artificial Intelligence, Security and Communications (AISC 2022) collaborated with IIT Kota, and California State University USA conducted by Lendi Institute of Engineering and Technology on 25th 26th November 2022.

- Received a Best **Reviewer Award** in ICDSAI Interntional Conference of Data Science and Artificial Intelligence by California State University collaborated with Lendi Engineering college, on 24th and 25th April 2023 (Online Mode).

- Received a **Best Academician Award** from IJIEMR Elsevier SSRN Research Awards 2022.

- Received a **Young Scientist Award** from IJIEMR Elsevier SSRN Research Awards 2020.

- Selected as one of the **"Most Promising Educators in Higher Education across India"** for the year 2019, by Ukletz.

- Got the **Best Paper Award** in the 13th International Conference in GOA 2013.
- Worked as Technical Developer in FAITH Corp. JAPAN for Mitsubishi Projects 2007-2008.
- Received NPTEL Certification of **Appreciation as an Active Spoc** for the SWAYAM-NPTEL local Chapter for the year July – December **2017** Semester.
- Received NPTEL Certification of **Appreciation as an Active Spoc** for the SWAYAM-NPTEL local Chapter for the year July – October **2018** Semester.
- Received NPTEL Certification of **Appreciation as an Active Spoc** for the SWAYAM-NPTEL local Chapter for the year July – December **2022** Semester.
- AMIE, B-Section Membership No: **AM162055-2**, from Institute of Engineers of India, Kolkata

Books

- **Dr.T.Murali Mohan** published a book on "**Statistics with R Programming language (A Beginners Guide)**" by SCHAND Company with ISBN No. 9789352830404, 2017.
- Dr.A.Krishna Mohan, **Dr. T.Murali Mohan**, K. Karunakar Published a Book on "**Python with Machine Learning**" by SCHAND Company with ISBN no.9789352835102, 2018.
- **Dr.T.Murali Mohan** published a book on "**Artificial Intelligence**" by Shree Publishing House with ISBN No.9789391117313, by 2023**.**
- Dr.A.S.N.Chakravarthy**, Dr.T.Murali Mohan,** Dr.A.Balakrishna published a book on **"Hadoop with R Programming",** by Shree Publishing House with ISBN No. 978938819606, 2019.

- Dr.A.S.N.Chakravarthy, **Dr.T.Murali Mohan,** B. Yugandhar, T.V.Satya Sheela published a book on **"Data Warehousing and Data mining"** by Shree Publishing House with ISBN No. 9789388196536, 2021

- **Dr.T.Murali Mohan**, Dr.B.Rama Krishna, B.Yugandhar, K.Dileep Kumar published a book on "**Web Technologies**" by Shree Publishing House with ISBN No.978939111732, by 2021.

- **Dr.T.Murali Mohan,** Dr.A.Balakrishna, K.Dileep Kumar, T.V.Sheela published a book on **"Database Management Systems"** by Shree Publishing House with ISBN No. 9789388196529, 2021**.**

- Professor Suresh Varma, **Dr.T.Murali Mohan** published book on **"Open Source Software"** publishing by Shree Publishing House with ISBN No. 97889388196420, 2019

- **Dr.T.Murali Mohan,** Dr.T. Raghunadha Reddy, Dr.R.N.V. Jagan Mohan, B. Yugandhar published a book on **"Unix",** by Shree Publishing House with ISBN No. 9789388196390, **2019.**

Resource Person

1. A Two day National Workshop on "**R programming Language**" Organized by CSE Dept., JNTUK University, **JNTUK Kakinada**, from **17th to 18th February 2018**.

2. A Six Days Workshop on "**Python Programming Language**" Organized by CSE Department, Swarnandhra College of Engineering and Technology, from 28th January 2019 to 2nd 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 26th **to 27th February 2020.**

4. A Five day Workshop on "**Entrepreneurship Sensitization & Development Programme**", from 24th June, 2019 to 28th 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

1. Artificial Intelligence approach to Health care Monitoring system using Internet of Things, Application No.202141006202A.
2. Brain Computer Interface for Multiple Applications control using AI, 202341076804A Publication on 15-12-2023.

Professional Experience

- Currently working as Professor, Department of CSE in Swarnandhra College of Engineering and Technology, from **01st Aug 2023 to TILL NOW**.
- Worked as Principal (I/c) in Swarnandhra Institute of Engineering & Technology (SIET) Narsapur, W.G. Dist. From 01 Jan 2020 to 17-04-2022 **(Two Years Two Months)**
- Worked as Associate Professor & HOD, CSE Department in Swarnandhra Institute of Engineering & Technology (SIET) Narsapur, W.G. Dist **from** 01 July 2015 to 31st July 2023**. (9 Years).**
- Worked as Assistant Professor in Kaushik College of Engineering from 01-Jan -2009 to 31-Dec-2014.
- Worked as Assistant Professor in Kaushik College of Engineering from 01-June -2005 to 31-05-2006.

Teaching Interests & Subjects Taught

Interesting Subjects	
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	29
2	International Conferences	8
3	National Conferences	2
4	Patents	2
5	Books	9
6	FDP (Conducted)	2

Publications:

1. **T.Murali Mohan,** N.T.Radha, P.Suresh Babu, T.V.Satya Sheela **"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.   UGC

2. **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.   UGC

3	**Thomurthy Murali Mohan,** Koichi Harada, Balakrishna.Annepu "**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.	UGC
4	**Thomurthy Murali Mohan,** Koichi Harada, Balakrishna.Annepu **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	UGC
5	**Thomurthy Murali Mohan,** Koichi Harada, Balakrishna. Annepu **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.	UGC
6	**Thomurthy Murali Mohan,** Koichi Harada, Balakrishna.Annepu **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.	UGC
7	**Thomurthy Murali Mohan,** Balakrishna.Annepu, K.Nageswaram Rao "**Key Performance Indicators in Cloud Computing**" in International Journal of Engineering Innovation & Research Volume 2, Issue 6, ISSN 2277-5668. 2013	UGC
8	**Thomurthy Murali Mohan,** Balakrishna.Annepu "**Adversary Model Operation in Cloud Computing" in** International Journal of Engineering & Research Volume 2, Issue 6, ISSN 2277-5668. 2013.	UGC

9	Subba reddy, Anand Kumar, **Dr.T.Murali Mohan** in **"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.	UGC
10	Sonia, **T.Murali Mohan "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.	UGC
11	GADI DEVI DEEPTHI, **DR. T MURALI MOHAN** "**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.	UGC
12	G. Srikanth Reddy, **T. Murali Mohan** and T. Raghunadha Reddy **"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. 978-981-13-1579-4(print ISBN), 978-981-13-1580-0 (online ISBN), pp 389-395, **2019**.	SCOPUS
13	Para Upendar, **T. Murali Mohan**, S. K. Lokesh Naik and T. Raghunadha Reddy **"A Novel Approach for Predicting Nativity Language of the Authors by Analyzing their Witten Texts"** conducted by ICICSE- 2018© **Springer** Nature Singapore Pvt 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.	SCOPUS
14	T Raghunadha Reddy, P Vijayapal Reddy, **T Murali Mohan**, "**An Approach for suggestion mining based on deep learning techniques**" IOP Conf. Series: Materials Science and Engineering	SCOPUS

1074 (2021) 012021 IOP Publishing doi:10.1088/1757-899X/1074/1/012021.

15	P. Buddha Reddy, **T. Murali Mohan**, P. Vamsi Krishna Raja and T. Raghunadha Reddy "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 Online **ISBN** 978-981-15-1097-7.	SCOPUS
16	**Dr.T. Murali Mohan,** T V Satya Sheela "**A Distance Measures Based Approach for Text Classification**" by Design Engineering ISSN 0119342, Year 2021.	SCOPUS
17	**Dr.T.Murali Mohan**, Dr. T. Raghunadha Reddy, Dr.A.Balakrishna, T V Satya Sheela **"A Feature Selection Technique based Approach for Intrusion Detection**" by Design Engineering ISSN 0119342, Year 2021	SCOPUS
18	**Dr. T. Murali Mohan,** Dr. T. Raghunadha Reddy, Dr. A. Balakrishna, T V Satya Sheela **"Stylistic features based Approach for Bot Detection**" by Design Engineering ISSN 0119342, Year 2021.	SCOPUS
19	**Dr. T. Murali Mohan**, T V Satya Sheela, Archna.Gelli "**Predicting Profiles of celebrity authors by analyzing their text using Term Weight Measures**" by Mukt Shabt Journals, ISSN 2347-3150, August 2021	UGC Live
20	**Dr.T.Murali Mohan**, Dr.P.Vamsi Krishna Raja, Dr.Bomma Ramakrishna "**An Approach for Text Classification using Feature Selection Algorithms**" by Mukt Shabt Journals, ISSN 2347-3150, September 2021	UGC Live
21	**Dr.T.Murali Mohan,** T.V.Satya Sheela, Archna.Gelli "**A Feature Selection technique based Approach for predicting Student Academic Performance**" by Mukt Shabt Journals, ISSN 2347-3150, July 2021.	UGC Live

22	**Dr. T. Murali Mohan**, T V Satya Sheela, Archna.Gelli "**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 Live
23	**Dr.T.Murali Mohan "Proficiency Structure Separation of Unsupervised Machine Learning**" IJRECE January-March 2019 vol. 7 issue 1, 2393-9028 (PRINT) 2348-2281 (ONLINE	UGC Live
24	Chennam Chandrika Surya, Karunakar K, **Murali Mohan T**, R Prasanthi Kumari, "**Language Variety Prediction using Word Embedding's and Machine Learning Algorithms**" IJRASET volume 10 Issue 12, December 2022, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538	UGC Live
25	**Murali Mohan T**, Yugandhar Bokka, Karunakar K, Archana G "**A modern approach to predict Heart Disease using Neural Network**" IJCRT volume 10, issue 11 November 2022, ISSN 2320- 2882.	UGC Live
26	**Murali Mohan T , Dr.P.LaxmiKanth " Traffic-Driven Web Scraping: Unveiling a Novel Web Robot for Efficient Page Mining" in** IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES, **Volume 10, Issue 3, 2021**	UGC LIVE
27	Dr.P.LaxmiKanth**, Murali Mohan T** "**Securing Data Privacy in the Cloud: A Multilevel Storage Scheme with Fog Computing Integration" in** IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES, **Volume 10, Issue 3, 2021.**	UGC LIVE
28	**Murali Mohan T,** Dr.P.LaxmiKanth **"Forensic Insight: Unraveling Criminal Detection through Advanced Face Recognition and Machine Learning Techniques" in** IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES, **Volume 11, Issue 8, 2022.**	UGC LIVE

29	Dr.P.LaxmiKanth, **Murali Mohan T** "Ensuring Integrity: A Fine-Grained Approach to Query Results Verification in Encrypted Cloud Data Design and Analysis" in IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES, **Volume 11, Issue 4, 2022.**	UGC LIVE

International Conferences

- **Thomurthy Murali Mohan,** Koichi Harada, Balakrishna.Annepu **"Classification and Feature Selection Techniques in memory Based Collaborative Filtering"** 13th International Conference on Emerging Trends, Challenges and Opportunities in Global Business, Management, Tourism, and Information Technology (IC – GBMTI) Conducted by Research Development Association, Jaipur 2013. (**BEST PAPER AWARD**).

- **Thomurthy Murali Mohan,** Koichi Harada, Sasipalli. VS Rao and Naga Srinivas Rao.Kandala **"IT Implementation for Poverty Eradication – ecommerce Perspective**" in ECIC – 2008, International Conference on Electronic Commerce in the 21st Century, 2-4 June, 2008, Organized by Department of Computer Science & Technology and Information Technology, Tribhuvan University, Khatmandu, Nepal.

- **Thomurthy Murali Mohan,** Sasipalli. VSRao **"Poverty Reduction by Localization of IT Education"** in ECIC – 2008, International Conference on Electronic Commerce in the 21st Century, 2-4 June, 2008, Organized by Department of Computer Science & Technology and Information Technology, Tribhuvan University, Khatmandu, Nepal.

- T. Raghunadha Reddy, Dr. Vijay Pal Reddy, **Dr.T.Murali Mohan "An Approach for suggestion Mining based on Deep learning Techniques"** conducted by Computer 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

- **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 2nd & 3rd 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 17th & 18th August, 2018 at GURU NANAK Institutions, India.
- **A Novel Approach for Authorship Verification by ICDECT2019 with** Springer Collaboration on 15th and 16th March 2019 at Stanley college of Engg. Hyderabad.

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   : 06th August 1980

Marital Status   : Married

Languages Known   : Telugu, Hindi, English,

Permanent Address

Dr.Thomurthy Murali Mohan,

S/o. Thomurthy Pydi Raju (Late)

Dr.No 22-90-5, Burujupeta,

Near SKML Temple,

Visakhapatnam 530001.

Date: 16th December, 2023.

Place: Visakhapatnam.

Dr. Thomurthy Murali Mohan.