

Name of Faculty Dr. M. TRUPTHI  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 07-10-2004  
 E-mail mtrupthi\_it@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE)	Awarded
PG	M. Tech. (CSE)	First
UG	B. E. (CSE)	Distinction

Work Experience

Teaching	18 Years
Research	05 years (PhD related Research)
Industry	--
Others	--

Area of Specialization Data Mining, Machine Learning, Data Analytics

Professional Memberships

Responsibilities held at Institution Level	<ol style="list-style-type: none"> <li>1. Member, INNOVATION - TEACHING LEARNING &amp; EVALUATION COMMITTEE -2021</li> <li>2. Member, NAAC Institute Level- 2021</li> <li>3. Member. Career Guidance Cell- 2021</li> <li>4. Member, Innovation - Teaching, Learning &amp; Evaluation Committee -2021</li> <li>5. SPOC, AWS Cloud Certification Programme - 2021</li> <li>6. Co-convener Sudhee 2021</li> <li>7. MOOC'S- SWAYAM Coordinator</li> <li>8. Student Bus In-Charge</li> </ol>
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Responsibilities held at Department Level

1. In-Charge NBA Criteria-2, 2021
2. Coordinator, R-18, B.E. (IT) Curriculum- 2021
3. Coordinator, R-20, B.E. (IT) Curriculum- 2021
4. Coordinator, BE-IT, Honors -2020-2021
5. Coordinator, BE- Minors, AIDS, AR&VR, Cyber Security, IoT - 2020-2021
6. Member Board of Studies, AI&DS, 2021
7. Member Board of Studies B.E. (IT), till date ,2017
8. Incharge, Course Expert Group 1, 2019, 2020, 2021
9. In-charge, Student Counseling
10. NBA coordinator for the visit 2017
11. Class coordinator of 2016-2020 batch
12. Draft Minutes of the Department for the past 5 years upto 2020 June
13. In-charge of Lab 3 till date 2018
14. Compiled UG Syllabus for the R-18 Regulation 2019
15. Scheme Preparation of BE(IT) R-20- 2020
16. Coordinator – Honor and Minor Degree -2020

Research Guidance Nil

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Programming and Problem Solving, Data Analytics using R, Python Programming, Machine Learning, Data warehouse and data Mining, Operating System

No. of Papers Published National Journals – International Journals – 11  
National Conference – 01 International Conference – 04

Projects Carried out

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Patents

IoT-Based Micropayment Protocol for Wearable Devices with Unique Verification (IP Australia Innovation Patent Australia) Patent no :2020101863  
<http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2020101863&resultsPerPage=>

Technology Transfer

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Invited Speaker

1. Invited as speaker at workshop on “Python Programming”, on 08-04-2021 department of BSc.Computer Science and Engineering, PG, Loyala Academy

No. of Books/Chapter Published with details

1. Tuniki C., Kunta V., **Trupthi M.** (2020) A System for Efficient Examination Seat Allocation. In: Raju K., Senkerik R., Lanka S., Rajagopal V. (eds) Data Engineering and Communication Technology. Advances in Intelligent Systems and Computing, vol 1079. Springer, Singapore, January 2020. **ISBN No.** 978-981-15-1096-0
2. Sai Nikhita N., Hyndavi V., **Trupthi M.** (2020) Detection of Inappropriate Anonymous Comments Using NLP and Sentiment Analysis. In: Satapathy S., Raju K., Shyamala K., Krishna D., Favorskaya M. (eds) Advances in Decision Sciences, Image Processing, Security and Computer Vision. ICETE 2019. Learning and Analytics in Intelligent Systems, vol 3. Springer, Cham online July 2019. **ISBN No.** 978-3-030-24321-0

Details of Short-Term Training Programs/Faculty Development Programs/ Seminars/Workshops/Other Trainings (**Attended and/or Organized**):

1. Attended one Week National Level Faculty Development Program (FDP) on “Multi Technology” from 28th June 2021 to 3rd July 2021 organised by the Department of Information Technology, G. Narayanamma Institute of Technology and Science (For Women) in association with National Youth Council of India and Brainovision Solutions India Pvt. Ltd.
2. Attended one Week National Level Faculty Development Program (FDP) on “Research Areas in Artificial Intelligence & Machine Learning with Case Studies” from June 14<sup>th</sup>-20<sup>th</sup>, 2021 organized by department of CSE in Association with GRIET.
3. Completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 16-05-2020 to 20-05-2020 at Indian Institute of Information Technology (IIIT Nagpur).
4. A five day FDP on "Artificial Intelligence" during 22<sup>nd</sup> to 26<sup>th</sup> May 2020 conducted by CBIT and Brain-O-Vision Pvt. Ltd.
5. Attended one week online Faculty Development Program on “OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE” from 11<sup>th</sup> -15<sup>th</sup> May 2020 under Margdarshan Scheme of

AICTE, New Delhi.

6. Attended one Week Faculty Development Program (FDP) on “Python for Machine learning ” from May 18<sup>th</sup>-23<sup>rd</sup>, 2020 organized by Department of CSE in collaboration with CSI, Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology (VNRVJIET)
7. Attended FDP On PHP & MySQL Organized by JNTUHCE-Jagitial association with Spoken Tutorial IITB, from May-18<sup>th</sup> till May-23<sup>rd</sup> 2020
8. Attended Online FDP on introduction to Data Science organized by codegyan IT solutions during 18<sup>th</sup> to 22<sup>nd</sup> May 2020
9. Attended E & ICT Academy-- 5 Days Faculty Development Program on “Data Science” Aug- 05-09, 2019 organized by IT department, CBIT, Hyderabad.
10. Attended a one day workshop on CO-PO attainment Computation and Outcome Analysis organised by Inpods on 13.06.2020
11. Attended one day workshop on "Social Responsibility and Community Engagement" organized by CBIT(A), Hyderabad on 17th June, 2020.
12. Completed Online FDP of KHIT under JNTUK on " Recurrent Nueral Network-An Approache to Deep learning" from May14- to 16-May, 2020- 3 days
13. Completed Coursera course on Applied Text Mining in Python 4 weeks
14. Completed Coursera course on "Introduction to Datascience using Python" 4 weeks
15. Completed NPTEL online certification on "NBA Accreditation and Teaching - Learning in Engineering (NATE)" -12 weeks
16. Coordinated A FDP on "Outcome Based Education and NBA Accreditation Process (UG) " organised by CBIT from 28-05-2020 to 01-06-2020.
17. Attended the Short Term Training Programme (STTP) on “Data Migration and Reconciliation with Bigdata” organized by department of Computer Engineering, Dr. D. Y. Patil Institute of Engineering Management and Research, Akurdi, Pune from 25-05-2020 to 27-05-2020.
18. Attended Faculty Development Program on Data Science held organized by of ExcelR & TELANGANA ACADEMY FOR SKILL AND KNOWLEDGE from July 1<sup>st</sup> , 2020 to July 24th, 2020
19. M. Trupthi has attended a Short term course on “Big Data Analytics for Humanitarian Causes”, under the scheme of GIAN sponsored by MHRD govt. of India during 20th – 27th November, 2017, organised by dept. of CSE, Osmania University, Hyderabad.
20. Attended a Two Day Tutorial Program on “*Machine Learning and Evolutionary Optimization – Foundations, Recent Trends and Future Challenges*”, during March 24th-25th, 2018, organized by IEE CIS/GRSS joint collaboration with Dept. of CSE, JNTUH, Hyderabad.
21. Attended Two Day workshop on "Deep Learning and DevOps" at CBIT in Association with Accenture, from **26th to 27th February, 2018**.
22. Attended A Two day Workshop on “*Machine learning with Python*”, organized by IEEE Computational Intelligence Society Chapter, IEEE Hyderabad Section at CSE JNTUH from 15<sup>th</sup> -16<sup>th</sup> July, 2016.
23. Attended A Two Day Faculty Development Programme on “*BigData Analytics Using Hadoop & R tools*”, organized by KITSW during 8<sup>th</sup> -9<sup>th</sup> July, 2016.
24. Attended a One Week National Level Faculty Development Program on “*Machine Learning*”, conducted by Dept. of CSE, JNTUH, Hyderabad, during April 11<sup>th</sup>-16<sup>th</sup>, 2016.
25. Attended A Two day National Workshop on “*Intelligence and Security Informatics*” organized by Dept. of CSE, CBIT supported by TEQIP, from 24<sup>th</sup> – 25<sup>th</sup> July, 2015.
26. Attended & Worked Two Weeks Summer School Programme as a team on the live project on WordNet Synset Ranking in “5<sup>th</sup> IASNLP-2014: IIT-Hyderabad Advanced School on Natural language Processing” at Language Technologies Research Centre, IIT Hyderabad, from 28<sup>th</sup> June to 15<sup>th</sup> July, 2014.
27. Attended A One day Seminar on “Work-Life Balance: Women in Engineering” organized by Women cell, CBIT, on 8th March 2014.

28. Attended One week “Research Methodology” Course work Programme, organized by JNTUH, Hyderabad, during 16th – 21st December, 2013.
29. Attended one day FDP workshop on “Information Technology Infrastructure Services”, organized by Cognizant on 28th June, 2013.
30. Attended 3 days workshop on “Advanced Topics in Text & Web Mining” at Enhanced Edu, IIIT, Hyderabad, from 24th – 26th April, 2013.
31. Attended 3-day faculty workshop on “Art of Living”, organized by CBIT- In House Training Centre during 04-07-2012 to 06-07-2012.
32. Attended 2-day faculty workshop on “Jeevan Vidya”, organized by CBIT-In House Training Centre during 11-06-2012 to 12-06-2012.
33. Attended a 3-day workshop on “Web Technologies”, conducted by IT dept., Vasavi College of Engineering, during 21st – 23rd December, 2011.
34. Attended Two week Refresher Course on “Recent Trends in Web Data Mining”, organized by JNTUH, UGC Sponsored, during 21st November – 12th December, 2011.

#### Details of Journal Publications/ Conferences (**National and International**)

##### **International Journals**

1. Dr. M. Trupthi and Swathi Sowmya Bavirithi, “An Approach for Detecting Brain Tumour using Hybrid Image processing”, 2021, ISSN NO : 2347-3150, Volume X, Issue VI, JUNE/2021, Pg No: 468-477, Mukt Shabd Journal- UGC
2. Dr.D.Shanthi and Dr. M Trupthi, “Block Chain Based Health Care System”, Turkish Journal of Computer and Mathematics Education, Vol.12 No.13 (2021), 276-284, SCOPUS
3. M.Trupthi, Venkata Vamsi Medidi and Srinivas Gouryraj, (2020), “Auto Jotting: A Notes Maker”, International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 8, Issue 6, ISSN: 2321-9653 pp. 321-329
4. M. Trupthi and Sushanth Kumar Reddy Kura,(2020), “Crowdfunding using blockchain”, International Journal of Advanced Science and Technology, 29(1), 932 - 945. Vol. 29, Issue 1, pp. 932 -945.
5. M. Trupthi, Suresh Pabboju and G. Narasimha (2018), “Possibilistic Fuzzy C-means Topic Modelling for Twitter Sentiment Analysis”, International Journal of Intelligent Engineering and Systems, Scopus Indexed, Impact Factor: 0.34, h-Index 9, ISSN: 21853118, 2185310XVol.11, No.3, DOI: 10.22266/ijies2018.0630.11
6. B. Surya Samantha, M. Trupthi, U. Sairam(2018), “ A Review on Using Crow Search Algorithm in Solving the Problems of Constrained Optimization”, IJSRST, Volume 4 | Issue 2 | Print ISSN: 2395-6011 | Online ISSN: 2395-602X Themed Section: Science and Technology.
7. B. Surya Samantha, U. Sairam, M. Trupthi 2018 A Survey on Challenges and Benefits towards the Adoption of DevOps ApproachInternational Journal for Research in Applied Science & Engineering Technology (IJRASET), UGC : 45842 & 47916, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887, Volume 6 Issue III, March 2018
8. Mandhula, T., Pabboju, S. & Gugulotu, N. Predicting the customer’s opinion on amazon products using selective memory architecture-based convolutional neural network. J Supercomput (2019). <https://doi.org/10.1007/s11227-019-03081-4>.
9. Trupthi M., Pabboju S., Gugulotu N. (2019) Deep Sentiments Extraction for Consumer Products Using NLP-Based Technique. In: Wang J., Reddy G., Prasad V., Reddy V. (eds) Soft Computing and Signal Processing. Advances in Intelligent Systems and Computing, vol. 898. Springer, Singapore, scopus indexed, online Feb 2019.
10. KS NS Gopala Krishna, BLS Suraj, M Trupthi,(2017) “CLASSIFICATION OF BREAST CANCER INTO BENIGN AND MALIGNANT USING SUPPORT VECTOR MACHINES”, International Journal of Advance Research in Science and Engineering, IJARSE, Volume:06, Issue 10, October. Pp. 1360-67
11. M. Trupthi Suresh Pabboju and G. Narasimha, (2016), “A Survey of Topic Pattern Mining in Text Mining”, International Journal of Computer Systems, Volume 3, Issue 05, pp. 407-41.
12. M. Trupthi and Dr. Suresh Pabboju, (2014) “Precognition of Users Web Browsing Behaviour”, International Journal of Engineering Research & Technology (IJERT), Volume:3, Issue:6, pp. 2278-0181

## International /National Conferences

1. Revanth Rallabandi, L Paul Sampson and Dr. M. Trupthi, "Estimating Savings Potential of Solar Energy", 2021 2nd International Conference for Emerging Technology (INCET), Belgaum, India. May 21-23, 2021
2. S. Bodapati, H. Bandarupally and M. Trupthi, "COVID-19 Time Series Forecasting of Daily Cases, Deaths Caused and Recovered Cases using Long Short Term Memory Networks," *2020 IEEE 5th International Conference on Computing Communication and Automation (ICCCA)*, Greater Noida, India, 2020, pp. 525-530, doi: 10.1109/ICCCA49541.2020.9250863. Indexed: Scopus
3. M. Trupthi, S. Pabboju and G. Narasimha, **Deep sentiments extraction for consumer products using NLP-based technique** International Conference on Soft Computing and Signal Processing, ICSCSP 2018; Hyderabad; India; 22-23 June 2018; Code 223129  
Advances in Intelligent Systems and Computing Volume 898, 2019, Pages 191-201  
ISSN: 21945357  
ISBN: 978-981133392-7  
DOI: 10.1007/978-981-13-3393-4\_20 **Publisher: Springer Verlag**, Indexed: Scopus
3. K.S.N.S Gopala Krishna, B.L.S Suraj and M. Trupthi, "Comparison analysis of CNNs and RNN-LSTMs for Social Reviews" National Conference held at JNTU Sultanpur, on Emerging Trends in Data Science and Intelligent Computing, 2018, held on 25<sup>th</sup> and 26<sup>th</sup> July, 2018.
4. M. Trupthi, S. Pabboju and G. Narasimha, "Sentiment Analysis on Twitter Using Streaming API," *2017 IEEE 7<sup>th</sup> International Advance Computing Conference (IACC)*, Hyderabad, 2017, pp. 915-919, DOI: 10.1109/IACC.2017.0186.
5. A paper titled "Comparison of Text Classification methods for Twitter Sentiment Analysis", 5<sup>th</sup> International Conference on Science, Technology & Management (ICSTM-2017), organized by Conference Info in association with Academic Science at The Institution of Engineers India, Visvesvaraya Bhavan, Hyderabad, on 3<sup>rd</sup> December 2017. Same has been published in International Journal of Computer & Mathematical Sciences IJCMS, ISSN 2347 – 8527, DIIF Impact Factor Value 2.58, Volume 6, Issue 11, November 2017.
6. M. Trupthi, S. Pabboju and G. Narasimha, "Improved feature extraction and classification — Sentiment analysis," *2016 International Conference on Advances in Human Machine Interaction (HMI)*, Doddaballapur, 2016, pp. 1-6, DOI: 10.1109/HMI.2016.7449189.
7. G. R. Kommu, M. Trupthi and S. Pabboju, "A novel approach for multi-label classification using probabilistic classifiers," *2014 International Conference on Advances in Engineering & Technology Research (ICAETR - 2014)*, Unnao, 2014, pp. 1-8, DOI: 10.1109/ICAETR.2014.7012929.

## Internships:

1. GPS Tracking Project of CBIT [encl.] Kernel Sphere, Development of Web page and Mobile App for GPS Tracking of CBIT, 19th April to October 2020
2. COSC Internship Drive - Guided two projects i. CBIT Clubs Information ii. Application For Shruthi Sports -2020
3. CERTIFICATE OF INTERNSHIP PROJECT -2020

The project is a part of ExcelR & TELANGANA ACADEMY FOR SKILL AND KNOWLEDGE Faculty Development Program – Data Science held from July 1st, 2020 to July 24th, 2020

## FDP Organised:

- Coordinated, An Alumni Talk for pre final year students on "Cloud Computing and DevOps, organized by Dept. of IT, CBIT, under CBIT Alumni Theme 2021: "Excellence through Innovation" on 6th February 2021.
- Coordinated, A One Week Faculty Development Program on "Outcome Based Education and NBA Accreditation Process- (UG)", organised by CBIT from 28-05-2020 to 01-06-2020.
- Coordinated, A National level Two day workshop on "Interface of Statistical Analysis using R" organized by Departments of M&H, CSE&IT, from 9<sup>th</sup> and 10<sup>th</sup> – February 2018.
- Coordinated, One week National Level Faculty Development Program on "Data Analytics using R" organized by Department of IT, under TEQIP-II, 20<sup>th</sup> to 25<sup>th</sup>, March 2017.

- Organized A 2-day National Level students Technical Symposium “TECSTASY 2K15” as part of SUDHEE- 2K15, during 29<sup>th</sup> & 30<sup>th</sup> September 2015.
- Coordinator, A 2-day national conference titled “National Conference on Recent Trends in Information Technology 2013 – NCRTIT’13 “Organized by Department of Information Technology under TEQIP-II, 22<sup>nd</sup> & 23<sup>rd</sup> March 2013.

**Others:**

- Reviewer of the journal “Advances in Science, Technology and Engineering Systems Journal (ASTESJ)”, (ISSN: 2415-6698)- 2021
- CERTIFICATE OF INTERNSHIP PROJECT-The project is a part of ExcelR & TELANGANA ACADEMY FOR SKILL AND KNOWLEDGE Faculty Development Program – Data Science held from July 1st, 2020 to July 24th, 2020
- COSC Internship Drive - Guided two projects i. CBIT Clubs Information ii. Application For Shruthi Sports, 2020
- TS ECET–2019 appointed as OBSERVER for the Regional Centre G.Narayanamma Institute of Technology and Science For Women for the TS ECET–2019 entrance test conducted on 11-05-2019