

Name of Faculty Mrs. DEEPIKA BORGAONKAR

Designation Assistant Professor

Nature of Job/Appointment Regular

Date of Joining 16-06-2025

E-mail deepikab\_cse@cbit.ac.in



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

#### Work Experience

Teaching 14 Years

Research -

Industry -

Others -

Area of Specialization Natural Language Processing, Internet of Things and Machine Learning

Professional Memberships International Association of Engineers (IAENG)  
Internet Society (ISOC)

Responsibilities held at the Institution Level

Responsibilities at Department Level

Courses Handled at Under Graduate / Post Graduate Level.

Principles of Problem-Solving C Languages, Data structures through C,C++ Language, Python Language, Object Oriented Programming through JAVA,Operating Systems, FLAT, Design & Analysis of Algorithms ,Computer networks,OOAD,Internet of things, Security in Internet of things.

Technical Skills

Natural Language Processing.Machine Learning,C,C++,Python,Data Science

#### Attended

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

1. Attended One Week FDP on “**Natural Language Processing (NLP)**” (13th to 17th February ,2023 ) Organized by Department of CSE( Artificial Intelligence Machine Learning & IOT ) In collaboration with IEEE CS & CSE ( CYS , DS ) and AI &DS at VNRVJIET.
2. Attended 7 Days PDP on “**Data Science Mastery**” organized by CSE-(CyS,DS) and AI&DS Dept of VNRVJIET ( 05th Feb to 10th Feb, 2024 ).
3. Attended 7 Days PDP on “**Data Visualization**” organized by CSE-(CyS,DS) and AI&DS Dept of VNRVJIET[29/Jan/2024 - 03/Feb/2024].
4. Attended One Week National Level Faculty Development Programme on “**Research Advancements in Natural Language Processing**” Organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology, During 29th January to 02nd February 2024.
5. Attended “**Exploratory Data analysis for Deep learning using Python and Microsoft Power BI**” organized by NATIONAL

INSTITUTE OF TECHNOLOGY(NIT) WARANGAL [31<sup>st</sup> March – 04<sup>th</sup> April 2023].

6. Attended **“Recent Trends in Cognitive Science & it's Applications”** organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad [13<sup>th</sup>- 18<sup>th</sup> March, 2023].
7. Attended **“Statistical Analysis using Python”** organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad [06<sup>th</sup>- 11<sup>th</sup> March, 2023].
8. Attended **“CYBER FORENSICS”** organized JNTUH, Hyderabad [15<sup>th</sup> – 25<sup>th</sup> Feb., 2023].
9. Attended **“Ethical Hacking”** organized by Indian Institute of Technology IIT, Hyderabad [04<sup>th</sup> to 05<sup>th</sup> Feb., 2023].
10. Attended **“Data Science for Engineers”** organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad [23<sup>rd</sup> to 28<sup>th</sup> January, 2023].
11. Attended **“Big Data Computing”** organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad [02<sup>nd</sup> February - 04<sup>th</sup> February, 2023].
12. Attended **“Platforms & System Security in Cyber Space”** organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad[30<sup>th</sup> January - 04<sup>th</sup> February , 2023].
13. Attended **“Problem Based Learning”** organized by Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad[12-12-2022 to 13-12-2022].
14. Attended **“IOT and AI on Edge”** organized by IEEE CAS GRIET SB at Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad[27<sup>th</sup> – 1<sup>st</sup> July.,2022].
15. Attended **“Institutional Management and Administrative Procedures”** organized by Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad[07<sup>th</sup> – 15<sup>th</sup> Feb.,2022].
16. Attended **“PEDAGOGY AND RESEARCH METHODOLOGIES”** organized by AICTE – ISTE SPONSORED At Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad[21<sup>st</sup> - 28<sup>th</sup> Dec.,2021].
17. Attended **“Significance of IPR for Researchers and Students”** organized by Technology and Innovation Cell in association with J-Lab and Resolute4IP At Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad [18<sup>th</sup> August,2022].
18. Attended **“Instructional Planning and Delivery”** organized by **NITTT Module-4** At Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad [23<sup>rd</sup> to 28<sup>th</sup> August,2021].
19. Attended **“System Design Aspects in IOT”** organized by **JNTUH College of Engineering Hyderabad** in association with NIT Warangal [26<sup>th</sup> June- 02<sup>nd</sup> July,2018].
20. Attended **“CLOUD COMPUTING THROUGH ICT”** organized by **NITTTR, Chandigarh** At Malla Reddy Engineering College For Women (MRECW) Hyderabad [23<sup>rd</sup> to 27<sup>th</sup> October,2017].
21. Attended **FDP ON APPLIACTION ORIENTED TEACHING METHODOLOGIES** organized by Malla Reddy Engineering College For Women (MRECW) Hyderabad [3<sup>rd</sup> TO 5<sup>th</sup> JULY 2017].
22. Attended **“Open Source Technologies through ICT”** organized by **NITTTR, Chandigarh** At Malla Reddy Engineering College For Women (MRECW) Hyderabad [13<sup>th</sup> to 17<sup>th</sup> November,2017].
23. Attended **“Workshop on RESEARCH METHODOLOGIES”** organized by Malla Reddy Engineering College For Women (MRECW) Hyderabad [22<sup>nd</sup> April 2017].
24. Attended **“FDP ON MODERN TEACHING TRENDS IN SCIENTIFIC AND TECHNICAL EDUCATION”** organized by Teegala Krishna Reddy Engineering College (TKREC) Hyderabad [30<sup>th</sup> June to 6<sup>th</sup> July 2014].
25. Attended **“FDP ON DEVELOPING WORLD CLASS TEACHING COMPETENCIES-A NEW PROSPECTIVE”** organized by Teegala Krishna Reddy Engineering College (TKREC) Hyderabad [27<sup>th</sup> June to 29<sup>th</sup> June 2013].
26. Attended **“FDP ON ENHANCING THE TEACHING SKILL IN TECHNICAL EDUCATION”** organized by Teegala Krishna

Reddy Engineering College (TKREC) Hyderabad [28<sup>th</sup> June to 30<sup>th</sup> June 2012].

**b. Organised**

1. Gave "SEMINAR ON LI-FI TECHNOLOGY" in Staff Development Program organized by Teegala Krishna Reddy Engineering College (TKREC) Hyderabad [6<sup>th</sup> January 2014].
2. Guest Lecture on **Guest Lecture on Data Science and Machine Learning on 09-12-2023.**
3. Seminar on **Career Vision Approach** during Induction Program.
4. Worked as Co-Ordinator in **Faculty Development Program** on Data Science Mastery on 5 Feb 2024 – 10 Feb 2024
5. Worked as Co-Ordinator in **International Conference ICAMADA** conducted in VNRVJIEET on 25 April 2024- 27 April 2024.
6. Evaluated the team in **Smart India Hackthon-2024** conducted at 31-08-24 at VNRVJIEET.
7. Conducted One week workshop as a Co-Ordinator for students on event **National Level Generative AI Professional development programme: From Neural Foundations to Transformative Innovation** by CODEGNAN, IT SOLUTIONS, PRIVATE LIMITED on February 3<sup>rd</sup> to 8<sup>th</sup> 2025

[1] V. Prashanthi, S. Kanakala, D. Borgaonkar and D. S. Babu, "Rainfall Prediction Using Catboost Machine Learning Algorithm," 2023 International Conference on Network, Multimedia and Information Technology (NMITCON), Bengaluru, India, 2023, pp. 1-5, doi: 10.1109/NMITCON58196.2023.10276336.

[2] Deepika, B., Reddy, S. P., Satya, S. G., & Kumar, K. R. (2023, December). **Image Caption Generator**. In *Proceedings of the Fourth International Conference on Advances in Computer Engineering and Communication Systems (ICACECS 2023)* (Vol. 18, p. 360). Springer Nature.

[https://doi.org/10.2991/978-94-6463-314-6\\_35](https://doi.org/10.2991/978-94-6463-314-6_35)

[3] Rani, K. P., Roja, G., Lalitha, E., Deepika, B., Dastagiriah, C., & Arshad, M. (2024, January). **Sentiment Analysis of Online Reviews in the Field of Tourism for Hyderabad Popular Places**. In *2024 International Conference on Advances in Smart, Secure and Intelligent Computing (ASSIC)* (pp. 1-4). IEEE. DOI: 10.1109/ASSIC60049.2024.10508009.

[4] International Conference on Technical Advancements in Computer Science and Engineering (ICTACSE – 2019) presented a paper **"Trusted and Efficient Request Processing Using Packet List on Cloud"** conducted by Malla Reddy Engineering College for Women, Hyderabad during the period 8<sup>th</sup> & 9<sup>th</sup> February, 2019.

[5] International Conference on Technical advancements in Computer science and Engineering (ICTACSE) presented a paper **"Evolutionary of Secure Key management WSN communications"** conducted by Malla Reddy Engineering College for Women, Hyderabad during the period 2<sup>nd</sup> & 3<sup>rd</sup> February, 2018

[6] International Conference on Technical advancements in Computer science and Engineering (ICTACSE) presented a paper **"An Efficient Analysis in Image Processing in Big data"** conducted by Malla Reddy Engineering College for Women, Hyderabad during the period 2<sup>nd</sup> & 3<sup>rd</sup> February, 2018.

[7] **"ESAM CLOUD: The Framework of Efficient Social Video Sharing and Adaptive Mobile Video Streaming in the Cloud"** International Journal Of Technology and Engineering Science (IJTES), Volume 2, September 2014, PP: 2407-2414

[8] **"QoS in Wireless Sensor Network using Hybrid Selective Hop-Notification Routing Algorithm (HSRA)"** International journal of Engineering and Technology" (IJETUAE- 2018).

[9] Lalitha, P., Devika, P., Manga, V., Sowmya, G., Borgaonkar, D., & Nidamanuri, S. (2025). CHRONIC KIDNEY DISEASE PREDICTION INTEGRATING CATEGORIZATION AND NOVEL MACHINE LEARNING TECHNIQUES. *Cuestiones de Fisioterapia*, 54(3), 3565-3587. Vol. 54 No. 3 (2025): Year 2025, Volume 54, Issue 3

[10] Borgaonkar, D., Sangameshwar, B., Suri, V. K., Rao, C. U., Teja, P. V. S., & Nidamanuri, S. (2024, December). Leveraging Deep Learning Techniques for User and Entity Behavior Analysis. In *2024*

No. of papers Published in  
National/International Conferences  
and International  
Journals/Projects/Patents

