

Dr. Amita Arora

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ASSISTANT PROFESSOR

Total Experience: 17 years

- Currently working as Assistant Professor (CE) in J.C. Bose University of Science & Technology, YMCA Faridabad since 28/07/2008.
- Worked as a Lecturer (CE) in Haryana College of Technology and Management, Kaithal(Haryana) for two and half year.
- Worked as a Lecturer (CE) in Carrier Institute of Technology and Management, Faridabad(Haryana) for 6 months.

Current Duties

1. Teaching course work.
2. Class Coordinator(IT)
3. Sessional Coordinator(CE,IT & CA).
4. Lifetime member of Computer Society of India.

Education & Credentials

Ph.D. Computer Engineering from J.C. Bose University of Science & Technology, YMCA Faridabad, 2019

M.Tech Computer Engineering from YMCA University of Science & Technology, 2008.

B.Tech Information Technology, HCTM, Kaithal, Affiliated to Kurukshetra University 2006.

Publications/Research work

- 1) Amita Arora, Manjeet Singh, Naresh Chauhan, “*Automatic Ontology Construction using Conceptualization and Semantic Roles*”. International Journal of Information Retrieval Research, Volume 7, Issue 3, Pages (62-80), July-September 2017 indexed in Web of Science Emerging Sources Citation Index (ESCI), DBLP and INSPEC.
- 2) Amita Arora, Manjeet Singh, Naresh Chauhan, “*Machine Learning Approach for Text Summarization*”, International Journal of Database Theory and Application" with ISSN 2005-4270. (pp. 83-90), indexed in Scopus

- 3) Ashlesha Gupta, Manvi, Amita Arora, “An AHP Based Server Selection Scheme For Migrating Crawler”, Turkish Journal of Computer and Mathematics Education 11, 776-783. (2020)(Scopus)
- 4) Mohit Verma, Amita Arora, “Rumor detection from social media using LSTM and passive aggressive classifier”, Gradiva Review Journal(2021) (WOS and Scopus)
- 5) Mohit Verma, Amita Arora, “Rumor detection from social media”, Gradiva Review Journal(2021) (WOS and Scopus)

Patents

- 1) Alka Choudhary, Amita Arora, Ashlesha Siwach, Manvi and Gupta, “System and Method for Automatic Language Detection for Handwritten Text Inventors”, Patent office, AU, Patent number: 2021101278, 2021(Granted)

Organizer / Coordinators for

1. Convener , one week AICTE sponsored STTP on *Blockchain Technology and Networks*, 7th March 2022 to 12th March 2022.
2. Convener, Value Added Course on *Programming for beginners using PYTHON*, 18 Sept to 1st Oct 2021
3. Organizer Webinar on *5G Technologies*, 3rd July 2021
4. Organizer of two FDP’s on *BIG DATA* July 2021 and October 2021
5. Conference Chair at international conference “*Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic : Opportunity and Challenge*” 02.05.2020 to 03.05.2020
6. Organizer of one week FDP on *Data Analytics* using R at JC BOSE University, from 11.07.2020 to 15.07.2020

M.Tech. Thesis Guided

Sr.No.	Name of the student	Title of Thesis	Year
1	Vinod Chaudhary	Implementation of Ontology Construction from Text Documents by Singular Value Decomposition Using Clustering	2012

		Module	
2	Shailender	Ontology Construction from Text Documents by Singular Value Decomposition	2012
3	Aparna	An approach for relation Extraction	2013
4	Sonam	Semantic Similarity Between Documents based on Topic maps	2017
5	Anju	Semantic Similarity Between Documents Using Ontology Tree View	2017
6	Priyanka Singh	Word Sense Disambiguation	2019
7	Renuka Chauhan	Cloud Computing Scheduling Techniques	2018
8	Ankita Gill	Security of Physical Vaults using Canny Based Edge Detection	2019
9	Vrinda	Network Security in E-Commerce	2019
10	Mohit Verma	Rumour Detection	2021

Personal Details

Date of birth : 13 September 1979
Sex : Female
Marital Status : Married