Faculty Profile

Name : Pooja Kherwa

Designation : Assistant Professor

Qualifications : B.E, M.Tech, Pursuing PhD.

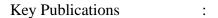
Phone : 9350501280

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Area of Interest/Specialization: Text Mining, Machine Learning,

Topic Modeling

Experience : 15 years



Papers presented in Conferences

- 1. Pooja Kherwa, Poonam Bansal," Latent Semantic Analysis: An Approach to understand Semantic of Text". International Conference on Current Trends in Computer, Electrical, Electronics and Communication (ICCTCEEC-2017) IEEE-Banglore (Published). 978-1-5386-3243-7/17/\$31.00 ©2017 IEEE
- Pooja Kherwa, Poonam Bansal," Empirical Evaluation of Inference Technique for Topic Models", 2nd International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2017). (Scopus-Springer-Published.), https://doi.org/10.1007/978-981-13-1708-8_22
- Pooja Kherwa, Poonam Bansal, "A Comparative Empirical Evaluation of Topic Modeling Techniques", 3rd International Conference on Innovative Computing and communication, https://doi.org/10.1007/978-981-15-5148-2_26 (ICICC-2020) (Scopus-Springer-Presented-Published)
- Pooja Kherwa," An approach towards comprehensive sentimental data analysis and opinion mining", Published in 4th IEEE International Advance Computing Conference Held in Gurgaon. March 2014.



6. Presented and published a paper "Quality in Semantic Web Architecture" in International Conference on Data Management (ICDM 2010, March 11-12, 2010) as a Regular Research Paper (RRP).

Papers presented in Journals:

- 1. Pooja Kherwa, Poonam Bansal, "Topic Modeling: A Comprehensive Review" In international journal of EAI Endorsed Transactions on Scalable InformationSystems. July 2019 doi: 10.4108/eai.13-7-2018.159623(ESCI –Indexed)
- Pooja Kherwa, Poonam Bansal "Semantic N-Gram Topic Modeling" In international journal of EAI Endorsed Transactions on Scalable Information Systems. Feb 2020, ISSN: 2032-9407 (ESCI -Indexed)
- 3. Pooja Kherwa, Poonam Bansal "Semantic Pattern Detection in COVID-19 Using Contextual Clustering and Intelligent Topic Modeling" International Journal of E-Health and Medical Communications,(ESCI-Scopus)Volume 13 Issue 2 July-December 2022,DOI: 10.4018/IJEHMC.20220701.oa7
- 4. Pooja Kherwa,Poonam Bansal "Three level Weight: A Efficient approach for semantic enhanced themes in latent Semantic Analysis". International Journal of Knowledge and Learning(Under Revision)ESCI-Scopus)
- 5. Pooja Kherwa, "Data Preprocessing: A milestone of Web usage Mining" Published in International Journal of Engineering Science and Innovative Technology (IJESIT)For Volume 4, Issue 3 2015, ISSN: 2319-5967,pp-281-289.
- Pooja Kherwa, "Regional Analysis: An Extension of Web Personalization and its application" published in International Journal of Advanced Engineering and Global Technology(IJAEGT) vol-03, Issue-05, May 2015. ISSN No: 2309-4893
- Pooja Kherwa, "An Automated Framework based on Three Level Scoring Method to Choose Best Search Engine in a Particular Domain "Published in International Journal Of Computer Application URI: http://www.ijcaonline.org/archives/volume83/number14/14520-2920ISBN: 973-93-80879-14-0.

Awards and Recognitions:

- 1. Certification of Appreciation for supervising graduate students in Inter College B. Tech. Project competition and winning Best Project of Computer Science in GGSIPU 2014.
- 2. Reviewed a book "System Analysis and Design" By Macmillan Publication.

Patent/Copyright:

1. Prof. Poonam Bansal, Prof. Meena Tushir, Ms. Shefali Dhingra, Ms. Sonia Goel, Ms. Jyoti Arora, **Ms. Pooja Kherwa** patent titled Web application based Intelligent & Secured Image Retrieval Model published on 5 March, 2021 with application no. 202111008414.

Memberships of Professional bodies:

International Association of Engineers-Life time membership (Member No: 177691)