

Faculty Profile

Name : Pooja Kherwa
Designation : Assistant Professor
Qualifications : B.E, M.Tech, Pursuing PhD.
Phone : 9350501280
Email : poojakherwa@gmail.com
Area of Interest/Specialization: Text Mining, Machine Learning,
Topic Modeling
Experience : 15 years



Key Publications :

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
2. 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
3. Pooja Kherwa, Poonam Bansal, " Efficient Clustering using Non-Negative Matrix Factorization for Gene Expression Data Set" ,3rd International Conference on Advanced Computing and Intelligent Engineering.. https://doi.org/10.1007/978-981-15-1081-6_15-ICACIE-2018.(Scopus-Springer-Presented-Published)
4. 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)
5. 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 Information Systems. July 2019 doi: 10.4108/eai.13-7-2018.159623(ESCI –Indexed)
2. 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.
6. 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
7. 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/number14/14520-2920>ISBN : 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)