Dr. Amit Kumar, Assistant Professor (Senior Grade)

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Biography:

Amit Kumar is currently working as an Assistant Professor (Senior Grade) in the Department of Computer Science & Engineering at Jaypee University of Information Technology (JUIT), Waknaghat, India. Amit Kumar has nine plus years of extensive experience in Academics. Prior to joining Jaypee Group, he has associated with Amity University, Noida. He obtained his Ph.D. (Computer Science & Engineering, 2018) from Birla Institute of Technology, Mesra, Ranchi, India. He obtained his M. Tech. (Computer Science & Engineering, 2010) from PEC University of Technology, Chandigarh. He obtained his B. Tech. (Computer Science & Engineering, 2008) from MDU, Rohtak, Haryana.

He has published his research in peer reviewed International Journals and Conferences. He has guided 01 PhD thesis, 05 master thesis and several bachelor thesis. His primary area of research includes software engineering, software estimation and machine learning.

Educational Info:

- Ph.D: Computer Science & Engineering, Birla Institute of Technology, Mesra, Ranchi, India
- M.Tech: Computer Science & Engineering, PEC University of Technology, Chandigarh, India
- B.Tech: Computer Science & Engineering, MDU, Rohtak, Haryana, India

Research Groups:

- Software Engineering
- Machine Learning

Research Interests:

Software Effort Estimation, Defect Prediction.

Publications:

1. Singh, Mrityunjay, Amit Kumar Jakhar, and Shivam Pandey. "Sentiment analysis on the impact of coronavirus in social life using the BERT model." Social Network Analysis and Mining 11, no. 1, 1-11, 2021. **SCOPUS**

2. Jakhar, Amit Kumar, Mrityunjay Singh, and Anjani Kumar Shukla. "Dog breed classification using convolution neural network." International Journal of Swarm Intelligence 6, no. 2: 130-142, 2021.

3. Kumar, Amit, Yugal Kumar, and Ashima Kukkar. "A feature selection model for prediction of software defects." International Journal of Embedded Systems 13, no. 1: 28-39, 2020. **SCOPUS**

4. A,K. Jakhar, K. Rajnish, Software Fault Prediction with Data Mining Techniques by Using Feature Selection Based Models in "International Journal on Electrical Engineering and Informatics", vol. 10(3), pp. 447-465, 2018. **SCOUPS**

5. Yugal Kumar Sumit Kumar, Amit Kumar Jakhar, Study of Preference Based Page Ranking Algorithm in "International Journal of Pure and Applied Mathematics", vol. 119(15), pp. 2763-2770, 2018.

6. YK Sumit Kumar, Amit Kumar Jakhar, Study of Preference Based Page Ranking Algorithm, International Journal of Pure and Applied Mathematics 119 (15), 2763-2770, 2018.

7. Amit Kumar and Kumar Rajnish, "A cognitive measurement of complexity and comprehension for object-oriented code". *International Journal of Computer, Electrical, Automation, Control and Information Engineering* Vol. 10, No. 3, 2016, **WASET**, **International Science Index.**

8. Amit Kumar Jakhar and Kumar Rajnish, "Measurement of complexity and comprehension of a program through a cognitive approach". *International Journal of Engineering (IJE), TRANSACTIONS B: Applications* Vol. 28, No. 11, (November 2015), **SCOPUS** indexed, **MIF-1.0986**.

9. Amit Kumar Jakhar and Kumar Rajnish, "Cognitive Estimation of Effort, Time, Errors, and the Defects of software's". *Walailak Journal of Science and Technology (WJST*), 13(3); 2016 (**SCOPUS, TCI, ThaiSci** index, **SJR-0.2714**).

10. Amit Kumar and Kumar Rajnish, "An Empirical Approach for Estimation of the Software Development Effort". *International Journal of Multimedia and Ubiquitous Engineering (IJMUE)*, 10(2), 97-110; Feb, 2015, **SCOPUS** Indexed.

11. Amit Kumar and Kumar Rajnish, "Measuring Complexity, development time and understandability of a Program: A Cognitive Approach". *International Journal of Information Technology and Computer Science (IJITCS*), vol. 06, No.12, pp. 53-60; Nov, 2014 (**IF-0.07 based on ISI Web of Knowledge**).

12. Amit Kumar and Kumar Rajnish, "A New Cognitive Approach to Measure the Complexity of Software". *International Journals of Software Engineering & Applications (IJSEIA*), 8(7), 185-198; July, 2014, **SCOPUS** indexed.

13. Anu and Amit Kumar, "Reaching Optimum Design through Processes Inspired by Principles of Evolutions". *IJSER*, 3(6), June, 2012, **DBLP** indexed.

14. Anu and Amit Kumar, "Efficient CPU Scheduling using Genetic Approach". *International Journal of Computer Science and Technology*, 3(3), July, 2012.

Conferences:

1. Amit Kumar and Kumar Rajnish, "Measure of Complexity for Object-Oriented Programs: A Cognitive Approach". In Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics: ICACNI 2015, vol. 2, p. 397-406, **Springer**, **SCOPUS** indexed, May, 2015.

Book Chapter:

1. N Agarwal, A Kumar, PK Singh, Comparative Analysis of Transform Domain Watermarking System Based on Performance Measures, Innovations in Information and Communication Technologies (IICT-2020), 329-334. **SCOPUS**

Any Other Info:

GATE Qualified