

Personal Profile



Dr. Rahul Chandra Kushwaha

Assistant Professor,
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Educational Profile

- Ph.D. Banaras Hindu University, Varanasi, UP; 2019
Subject: Computer Science
Specialization: Machine Learning, Learning Science & Technology
- M.Sc. University of Allahabad, UP; 2010
Subject: Computer Science
Specialization: Artificial Intelligence/Machine Learning
- B.Sc. DDU Gorakhpur University, Gorakhpur, UP; 2008
Subject: Mathematics, Computer Science

Professional Experience

- Assistant Professor**, Department of Computer Science & Engineering, Rajiv Gandhi University (Central University), Doimukh (Itanagar), Arunachal Pradesh, India September, 2021-till date
- Assistant Professor**, i-Nurture Education Solutions, Bangalore, deputed at Poornima University, Jaipur, India September, 2019- May 2021
- Assistant Professor**, Department of Computer Science, Institute of Science, Banaras Hindu University, UP, India August, 2016- June, 2019
- Senior Associate (SA-SD/SA)**, National Council of Educational Research & Training (NCERT), New Delhi August, 2011- March, 2013

Administrative Experience

- Member, Library Advisory Committee, Rajiv Gandhi University, Itanagar, AP, India April 2022-till date

Member, Web Advisory Committee, Rajiv Gandhi University, April 2022-till date
Itanagar, AP, India

Member, Site Selection Committee, Rajiv Gandhi University, April 2022-July 2023
Itanagar, AP, India

Hostel Warden, Banaras Hindu University, UP, India July, 2017-June 2018

Awards & Honours

1. Qualified UGC-NET in Computer Science and Applications; 2015
2. UGC- Research Fellowship; 2013
3. DST-SERB Young Scientist Award under ITS; 2023

Research Interests

- Machine Learning
- Deep Learning
- Data Mining
- Computational Education
- Learning Science & Technology

Sponsored Project

<i>Title of the Project</i>	<i>Funding agency</i>	<i>Year of sanction</i>	<i>Role</i>
"DST-Centre for Learning Science and Technology" under "Technology Enabling Centre in University System"	DST	2023	PI

Research Publications

1. **Rahul Chandra Kushwaha.** Big Graph based Online Learning through Social Networks, Advances in Computer, Elsevier, ISSN 0065-2458. <https://doi.org/10.1016/bs.adcom.2021.10.012> **SCI IF (1.91)**
2. **Rahul Chandra Kushwaha et.al.** (2020). A Cognitive Model for Adopting ITIL Framework to Improve IT Services in Indian IT Industries, Journal of Intelligent and Fuzzy System, ISSN:1875-8967, pp. 1-12, 2020, DOI: <http://10.3233/IIFS-189131> **SCI IF (1.85)**
3. **Rahul Chandra Kushwaha,** Achintya Singhal and Anupam Biswas: Textbook Enrichment using Graph based E-content Recommendation in Journal of Computational and Theoretical Nanoscience, American Scientific Publishers, Volume 17(1), January 2020, pp. 492-498(7), DOI: <https://doi.org/10.1166/jctn.2020.8696> (SCOPUS)
4. **Rahul Chandra Kushwaha,** Achintya Singhal and S.K. Swain. "Learning Pattern Analysis: Case study Moodle Learning Management System" Lecture Notes in Electrical Engineering (LNEE) Springer, Vol. 524, Pp. 471-479, 2018, ISSN: 18761100 (SCOPUS)

5. **Rahul Chandra Kushwaha** and Achintya Singhal: Online Learning: An Emergence of New Model of Education, International Journal of Recent Technology and Engineering Vol.7(6) Pp. 75-78 ISSN: 2277-3878(SCOPUS)
6. **Rahul Chandra Kushwaha**, Praveen Kumar Chaurasia and Achintya Singhal. "Students" achievement in teaching mathematics using Geogebra" published in IEEE proceedings of Technology for Education, 2014, PP 134-138, ISBN: 978-1-4799-6489-5. (SCOPUS)
7. RB Dayal and **Rahul Chandra Kushwaha** (2020). Deep Analysis of ITIL Framework for Improvement of Indian IT Services in Industries. published in European Journal of Molecular & Clinical Medicine, ISSN: 2515-8260, Volume 7, Issue 4, 2020 (SCOPUS)
8. Pooja Sharma, A.K. Gupta, **Rahul Chandra Kushwaha** (2021). A Review of Plant Diseases Identification Using Deep Learning. Lecture Notes in Networks and Systems, vol 166. Springer, Singapore. https://doi.org/10.1007/978-981-15-9689-6_76 (SCOPUS)
9. Deepak Moud, Pooja Sharma, **Rahul Chandra Kushwaha** (2021). A Comparative Analysis on Offline Signature Verification System using Deep Convolution Neural Network. Lecture Notes in Networks and Systems, vol 166. Springer, Singapore. https://doi.org/10.1007/978-981-15-9689-6_76 (SCOPUS)

Patent

1. A real time drowsiness detection using machine learning & artificial intelligence; Patent Application No. 202011025393; The Patent office Journal No. 32/2020; Publication Date: 07/08/2020

Book/Book Chapter published

1. Rahul Chandra Kushwaha and Achintya Singhal: "Machine Learning Techniques for Students Performance Prediction using Genetic Programming" in Advances in Computing, Control and Communication Technology, ISBN: 978-93-85926-XX-X Allied Publishers, New Delhi, India

Research guidance

Ph.D. Scholar

Ras Bihari Dayal

Title of the thesis: Design & Validation of Certain Process Algorithms for ITIL Implementations in IT Industries in India

Year of PhD degree: 2021

Present occupation: Working in an MNC

Course/Conference/Workshop organized

1. National Conference on Advances in Computing in Science and Technology organized at Rajiv Gandhi University, Itanagar

Duration: March 24-25, 2022

Role: Convenor

2. Webinar on Deep Learning: Discriminative and Generative Models at Rajiv Gandhi University, Itanagar

Duration: October 23-24, 2021

Role: Coordinator

Course/Conference/Workshop etc. attended

1. Rahul Chandra Kushwaha. "Improving Online Learning through Educational Data Mining and Learning Analytics" paper presented in 4th European Advanced Educational Technology Conference (EAET-2023) held at **University of Oxford, Oxford, United Kingdom** during March 17-19, 2023.
2. Rahul Chandra Kushwaha. "Enrichment of online learning through social networks", North East Research Conclave (NERC-2022) at Indian Institute of Technology (IIT), Guwahati, Assam, during May 20-22, 2022.
3. Rahul Chandra Kushwaha, Achintya Singhal and Praveen Kumar Chaurasia. "Planning and Implementation of MOOCs for technical and vocational education" in international conference on "Emerging Trends in Technical and Vocational Education and Training: Vision 2025" organized by National Council of Educational Research and Training (NCERT), at PSS Central Institute of Vocational Education (CIVE), NCERT, Bhopal during February 18-20, 2015
4. Rahul Chandra Kushwaha, Praveen K. Chaurasia and Achintya Singhal: "Exploring Student Engagement in Online Learning Management System" "National Conference on Developing Mathematics Teachers on Celebration of International years of Mathematics of Planet Earth" organized by National Council of Educational Research and Training (NCERT), at Regional Institute of Education (RIE), Ajmer held on 20-22 December, 2013
5. Rahul Chandra Kushwaha. "Inter-Sensory Communication using Dream Telepathy" in 8th ASSQ-2014 jointly organized by Bhaktivedanta Institute, Kolkata and IIT-BHU, Varanasi, UP during February 1-2, 2014.
6. Rahul Chandra Kushwaha and Achintya Singhal: "Students' performance Prediction using Machine Learning Techniques" in National Seminar on use of Statistics in Industry and Corporate World" held on December 25-26, 2015 at DST-CIMS, BHU, Varanasi.
7. Rahul Chandra Kushwaha and Achintya Singhal: "Improving cognitive model with Learning Factor Analysis and Machine Learning" in International Conference of TIMC and AMS" held on December 14-17, 2016 at DST-CIMS, BHU, Varanasi.
8. Rahul Chandra Kushwaha and Achintya Singhal: "Machine Learning Techniques for Students Performance Prediction using Genetic Programming" in International Conference on Advances on Computing, control and Communication Technology to be held during March 25-27, 2016 at University of Allahabad.