FACULTY DETAILS PROFORMA

Title	Dr.	First Name	Ranjan	Last Name	Kumar	Photograph

Designation	**Associate Professor**
Address ; Office	Aryabhatta College, Benito Juarez Road, Anand Niketan, New Delhi- 110021
Address ; Residence:	DA-596, Shalimar Bagh, Delhi Pin- 110088
Phone No — Office	011-24110490
Residence	
Mobile	9818007367
Email	ranjan301@gmail.com
Web-Page	

Educational Qualifications

Degree	Institution	Year
B.Com(H)	University of Delhi	1998
PGDCA	University of Delhi	2000
MCA	University of Delhi	2003
Ph. D.	Magadh University, Bodhgaya	2019

Career Profile

Worked as Lecturer as temp at Dyal Singh College from 13th August, 2005 to 20th October, 2005.
Worked as Assistant Professor at Aryabhatta College, University of Delhi from 21st October,2005 to 20th October, 2019.
Working as Associate Professor Since 21st October,2019.

Administrative Assignments

TIC – 2006-2015
Member, Governing Body, Aryabhatta College (2014-15)
Member, Building Committee (2014)
Convener, Workload committee (2013, 2015)
Member, Academic Planning Committee (2013-2016)
Convener, Time table committee
PF Committee (2010, 2015)
Staff Advisor to Student Union(2008, 2010)
Convener, Website Committee (2009,2021)
Member, Infrastructure Committee
Member, Research Innovation and Extension Committee. (2021)
Member, NAAC Committee.

Areas of Interest / Specialization

Software reliability, Data Science, Theory of Computation, Predictive Analysis, Artificial Intelligence

Subjects Taught

FACULTY DETAILS PROFORMA

Theory of Computation, Data Science using R, Database Management System, Compiler Design, Information Technology, Open Source Software, Programming in C language. R Programming, Software Engineering

Research Guidance
Undergraduate students

Publications Profile

- Ranjan Kumar, et al.(2022), "Early Detection of Influenza Using Machine Learning Techniques" Recent Innovations in Computing, Proceedings of ICRIC 2021. Lecture Notes in Electrical Engineering, Vol 855. **Springer, Singapore**, ISBN:978-981-16-8891-1.

- Ranjan Kumar, et al.(2019), "A Study of Software Reliability on Big Data Open Source Software", Int J Syst Assur Eng Manag, Vol 10, Issue 2,pp: 242-250, **Springer**,DOI:10.1007/s13198-019-00777-x.

- Ranjan Kumar, et al.(2019), "A case study on R: A powerful OSS and data analysis platform", **IJAER**, ISSN 0973-4562 Volume 14, Number 9, pp. 2260-2269.

- Ranjan Kumar, et al.(2018). "mHealth: A Real Time Automated Measurement of Malnutrition". **DU Journal of Undergraduate Research and Innovation**, ISSN 2395-2334,Volume 4, Issue 1, pp 83-92.

- Ranjan Kumar, et al., Adoption of Free and Open Source Software in India, **IJAER**, ISSN: 0973-4562 Volume 13, Number 16 (2018) pp. 12725-12731.

- Ranjan Kumar, et al., " Free And Open Source Software: A Key Enabler for Digital India", **SAJMS**, ISSN 2395-1079, Vol 3, No 5, June 2017, pp 11-15.

- Monica Aggarwal, Ranjan Kumar, et al.(2016). "Malnutrition Analysis of Anganwadis". **DU Journal of Undergraduate Research and Innovation**, ISSN 2395-2334, Volume 2, Issue 2 pp 72-79

- Ranjan Kumar, et al. (2015), "Adoption and evolution of FOSS: key factors in the development of the Apache web server", in proceedings of Recent Advances in Mathematics, Statistics and Computer Science, **World scientific, Singapore**, pp. 362-370. DOI: 10.1142/9789814704830 0 033.

- P. Jagwani and R. Kumar,G.Sharma, (2015) " " Security Issues in Mobile Apps", **Int. J. Comput. Sci. Netw.,** vol. 4, no. 3, pp. 489-491.

- P. Jagwani and R. Kumar,(2013) "Taxonomy of Dummy Generation Techniques for Preserving Location Privacy", *Int. J. Comput. Sci. Netw.*, vol. 2, no. 6, pp. 174-178.

- Co-edited a book "Information Technology", University Press, 2013, ISBN :9788173719004 for University of Delhi.

- Co-edited a book "Suchna Prodyogiki" in hindi, University Press, 2013, ISBN:9788173719028 for University of Delhi.

FACULTY DETAILS PROFORMA

Conference Organization/ Presentations
- Presented a paper "Early Detection of Influenza Using Machine Learning Techniques" in International Conference on Recent Innovations in Computing (ICRIC-2021) during 8-9 June, 2021.   - Presented a paper "Adoption and evolution of FOSS: Key factors in the development of Apache web server" in International conference on Recent advances in Mathematics, Statistics and Computer Science during 20-31 May,2015.   - Presented a paper "An Empirical Study on Reliability Growth Models for Open Source Software" organized by Indian Science Congress, Patna Chapter in Nov,2017.   - Presented a paper "Leveraging Free and Open Source Software for Digital India in national conference on Digital India: Use of Technology for transforming India on 28-29 January, 2017.   - Organised two day workshop on "Mobile Application Development using Android Programming" at Aryabhatta College held on 9-10 March, 2016.   - Coordinating a national seminar on "Enriching NLP Resources Poor Indian Languages with specific focus on Sindhi Language" held at Aryabhatta College on February 19, 2016   - Invited as resource Person in Workshop on Information Technology by CPDHE, University of Delhi during: 23-25 May,2013, 30-31 May 2013, 4-6 June 2013, 12-14 June 2013, 26-29 July 2013.   - Invited as resource person in a Teacher-Training program of Kabul University's teachers at University of Delhi (Jan-Feb, 2009).

Research Projects (Major Grants/Research Collaboration)
PI in a research project titled "Towards Real time monitoring of malnutrition using mobile computing", funded by University of Delhi under innovation projects 2015-16.

Awards and Distinctions
- Topper with 91% marks in a MOOC course titled "Python for Data Science" conducted by IIT Madras through Swayam in September,2021   - Topper with 98% marks in a MOOC course titled "Theory of Computation" conducted by IIT Kanpur through Swayam in November, 2019.   - Selected by University of Delhi for a project – ' Strengthening of Higher Education Program (SHEP)' funded by World Bank to strengthen the Natural Sciences Faculty in Kabul University, Kabul (Afghanistan) in 2008.

Association With Professional Bodies
Member, IEEE

Other Activities
Member, Board of Studies for M.Sc(IT), Magadh University, Bodh Gaya since 2020.

- Member of Empowered Committee for curriculum development of foundation course in Information technology at university of Delhi in 2013.
- Member, Committee of Courses & Studies for Under-Graduate, Department of Computer Science, University of Delhi (2016).
- Member, Faculty of Mathematical Science, University of Delhi (2019-2022).
- Developed Syllabus for the department of Computer Science, Kabul University, Afganistan in July-2008 as a member under SHEP.
- Member of course development committee at Department of Computer Science, University of Delhi in 2013.
- Successfully completed various courses of Machine learning, Data Science, TOC, Python for Data Science from Stanford University, Johns Hopkins University, IIT Kanpur, IIT, Madras through MOOCs (Coursera and Swayam).