Ms. Shabana Nargis Rasool

Faculty Member/ Researcher
Islamic University of Science of Technology

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PERSONAL PROFILE:

Name:	Ms. Shabana Nargis Rasool
Parentage:	Gh. Rasool Khatayee (Father)
	Naseema Masoodi (Mother)
Date of Birth:	18th September 1978
Relationship:	Married
Nationality:	Indian
Languages:	English, Urdu, Hindi, Kashmiri

OBJECTIVES

"Success belongs to those who aspire great"

- **To live as a researcher and a learner.**
- **To broaden the area of expertise and use my skills to the best of my ability.**
- **To be at the zenith of my career.**

E D U C A T I O N

AIIT, Amity University, Noida
Ph.D. (pursuing)

University of Kashmir, Srinagar
MCA

University of Kashmir, Srinagar
BSc

E X P E R I E N C E

- **Islamic University of Science and Technology, India, Srinagar, Jammu & Kashmir**

  Jun 2007 – till date

- 🕐 **Assistant Professor** (Jun 2007 -2017)

  My role:

- Delivering lectures in subjects in the curriculum of Master's Degree in Computer science.
- Delivering lectures and training in communication skills.
- Delivering training in Software Development and Project Management
- Managed post-graduate Students' 6 months academic project work for four years.
- Management and maintenance of Computer Labs of the Department.
- Coordinator workshops and seminars

- 🕐 **Assistant professor** (Sr. Scale 2017- till date)

  My role:

- Delivered lectures in Discrete Mathematics, Operating System. Artificial Intelligence, Machine learning, Python Programming, Data Warehousing, Data Mining, Open Source Technologies, Technical Communication.
- Management and maintenance of Computer Labs of the Department.
- Coordinator workshops and seminars
- Coordinator MOOCS
- Coordinator Academic Projects.

- Coordinator Community Connect
- Member Internal Complaints Committee.
- Coordinator NCC (Girls wing)

- **Department Of Electronics, Accredited Computer Courses (DOEACC) Rangreth, under the ministry of information technology and communication , Govt. of INDIA**

  Aug 2005 - Jun 2007

  🕐 **Trainer and Designer**

My role:

- Training in Software design and development.
- Training in Database Management.
- Delivering lectures on Network and web security.
- Delivering lectures on Operating systems design and implementation.
- Delivering lectures on Software testing and Quality management.

- Experience in delivering trainings in subjects of Master's Degree in Computer Science, Indra Gandhi National Open University, New Delhi.(2005 -2006)

PROFESSIONAL SKILLS

- **Area of interest:**
  Artificial Intelligence, Machine learning, Social Network Analysis, Deep Learning, Sentiment Analysis, Discrete Mathematics, Linear Algebra, Probability and Statistics.

- **Computer Languages**:
  Python, R, C, C++, Fortran

- **Technologies:**
  Tensorflow, PyTorch, Keras, Scikit-Learn

- **Memberships:** IEEE**,** Life Member Kashmir University Alumni Association (KUAA).

TRAININGS

- One month training in Core Java, Computer Networks, Multimedia & Animation from Signifera Software Solutions, Mysore, Karnataka, India.

- Fifteen days training in Linux (Administration and Internals) from Linux Leaning Centre (LLC), Bangalore, India.
- Singapore based company,Informatics, Diploma, information Technology, Jan 2001 - Mar 2002

Projects Guided

- MCA (6 months) – 32
- M. Sc IT (6 months) – 12

RESEARCH PUBLICATIONS

- Rasool, Shabana Nargis & Jain, Sarika & Moon, A.H "A Graph Based Novel Framework for Social Synchrony Detection using influential User and Event Detection Approach", International Congress on Smart Computing Technologies (CSCT-2023) organized by South Computing Research Society and SAU Center Research and Innovative Learning (SCRIL), South Asian University, India (December 02-03, 2023)
- Rasool, Shabana Nargis & Jain, Sarika & Moon, A.H "Social Synchrony Detection Framework Using Graph Based Approach", International Conference on Artifical Intelligence, Machine learning and Intelligent Systems (ICAIMLIS-2023) organized by Centre of Excellence, CIED and Watson & Crick Centre of Molecular Medicine- Islamic University of Science and Technology Kashmir, India (October 30-31, 2023)
- Nargis, Shabana & Moon, Ayaz & jain, Sarika. (2023). Detection of Seed Users vis-à-vis Social Synchrony in Online Social Networks using Graph Analysis. International Journal of Information Technology. Volume 15. 10.1007/s41870-023-01435-z.
- Bhat, Muzafar Rasool Assad, Assif Ahanger , Ab Naffi Rasool, Shabana Nargis Ahanger , Abdul Basit, "Pashmina authentication on imagery data using deep learning", AI & SOCIETY, Springer (2023); https://doi.org/10.1007/s00146-023-01680-7
- Rasool, S.N, Singh, P.K, Moon, A.H "Social Synchrony: An Analytical Contemplation of Contemporary State of Art Framework", proceedings of the 2021 IEEE 8th International Conference on Computing For Global Development, INDIACOM 2021, pp,10 –111, doi: 10.1109/INDIACom51348.2021.00020
- Rasool, S.N, Singh, P.K, Moon, A.H "A Critical Insight of Contemporary Tools and Techniques in view of Social Synchrony", ICRITO 2020 – IEEE 8th International Conference on Reliability, Infocom Technologies

and Optimization (Trends and Future Direction),2020,pp, 1279-1284, doi: 10.1109/ICRITO48877.2020.9197889

- Rasool, S.N. "Comparative Analysis of Different Machine Learning Algorithms for Breast Cancer Classification", Journal of Basic and Applied Engineering Research, p-ISSN: 2350-0077; e-ISSN: 2350-0255; volume 5, Issue 7, 2018; pp.603-614
- Rasool, S.N. "Deep-Learning Based Framework for Pneumonia Diagnosis from Chest X-Ray Images ", Advances in Computer Science and information Technology (ACSIT), e-ISSN: 2393-9915; volume 5, Issue 2, 2018; pp.104-119
- Rasool, S.N. "Document Image Denoising Using Convolutional Denoising Autoencoders ", Advances in Computer Science and information Technology (ACSIT), p-ISSN: 2393-9907; volume 4, Issue 5, 2017; pp.335-346
- Rasool, S.N. "Critical Analysis of Implementation of Information and Communication Technologies(ICTs) in Higher Education" International Conference on Role of Technology in Enhancing the Quality of Higher Education ICRT-2012, Kanya Maha Vidyalaya, Jalandhar, Punjab. Oct 2012.
- Rasool, S.N, "Role of Science and Technology in Regional Development: opportunities and Challenges", 8th JK Science Congress 2012, University of Kashmir
- Rasool, S.N "Application of Barcode Technology and Implementation Issues vis-à-vis other Technologies", 3rd JK Science Congress 2008, University of Jammu.

PATENTS/COPYRIGHTS

- Patent number: 202211045949

  Title of invention:

  SYSTEM AND METHOD FOR IDENTIFICATION AND CLASSIFICATION OF HAND WOVEN AND MACHINE WOVEN FABRICS

PROJECTS

Title of the Project	Sponsoring Agency	Amount of the Project	Status
Establishment of Innovation Centre - CoIE	Dept. of Higher Education, Govt. of J&K	100000000.00 Lac	On-Going

O R I E N T A T I O N / R E F R E S H E R / T R A I N I N G S / F D P'S A T TE N D E D

Name of the Course	Place and Institution	Duration in Weeks with Dates	Sponsoring Agency
General Orientation Course	ASC, University of Kashmir	4-weeks From 28-01-2008 to 25-02-2008	Kashmir University
Mission 10X workshop	School of Technology, IUST	1-week From 24-10-2011 to 28-10-2011	WIPRO
ISTE workshop on Software Development Techniques for Teachers of Engineering & Science Institutes	DOEACC Center, Srinagar	2-Weeks (5 weekends) From 5th November to 4th December 2011	IIT, Mumbai
Research Methodology Refresher course in Science	ASC, University of Kashmir	3-weeks From 16-01-2012 to 08-02-2012	Kashmir University
Workshop on Next Generation Networks	NIT Srinagar	1-day 26th May 2012	NIT, Srinagar
ISTE workshop on Introduction to Research Methodologies	DOEACC Center Srinagar	2-weeks From 25th June to 4th July, 2012	IIT, Mumbai

ISTE workshop on Aakash for Education	IUST	2-days From 10th -11th November 2012	IIT, Mumbai
Workshop on Computer Programming	IUST	2- weeks From 20th May to 21st June 2014	IIT, Mumbai
Winter School Refresher Course on Folklore, Tradition and Culture	HRDC, University of Delhi	3-weeks From 18th Feb to 09th March 2016	University of Delhi
International workshop on Cyber Communication: Security and Laws	IUST	1-day 8th May 2017	IUST
workshop on Latest Trends in IT and Latest Technologies in Networks	IUST	2-days From 13th – 14th September 2017	TEQIP-III
workshop on preparation of Research Proposals to Funding Agencies	IUST	3- days 26th -28th September 2017	TEQIP-III IUST and Engineering Staff College of India
National Workshop on Technical Paper Writing, Patent Drafting and Filing	IUST	3- days From 12th – 14th December 2017	IUST

Workshop on How to Write and Publish Scientific Articles and Manuscripts	IUST	1 – day 15th December 2017	IUST and Springer Nature
Workshop on Research Trends in Information Technology	IUST	1-week From 25th – 29th September 2018	TEQIP-III
Workshop on Data Science and Information Security bootcamp	IUST	1-week From 11th to 15th June 2019	TEQIP-III & MAKAUT, West Bengal
FDP on Machine Learning Using Python	IUST	1-week From 1st to 5th July 2019	IUST & IIT, Roorkee
(ATAL) Academy Online FDP on "Mathematics for Machine learning"	ONLINE	1-week from 18-1-2021to 22-1-2021	Sri Jayachamarajendra College of Engineering, JSS Science & Technology university.
(ATAL) Academy Online FDP on "AI- Machine Learning & Optimization"	ONLINE	1-week from 1-2- 2021 to 5-2-2021	Indian Institute of Information Technology Allahabad.
(ATAL) Academy Online Elementary FDP on "Artificial Intelligence and Conceptualization of Algorithms using Python"	Online	1-week from 12-7-2021to16 -7-2021	Bangalore Institute of Technology, Bangalore.

(ATAL) Academy Online Elementary FDP on "Data Analytics using Python/R Programming"	ONLINE	1-week from 23/08/2021 to 27/08/2021	National Institute of Technology Puducherry Karaikal.
4th National Workshop on Machine Learning and Data Analytics	ONLINE	2-weeks From 28th May to 11th June 2021	IIIT, Allahabad
(ATAL) Academy Online FDP on Data Science with Statistical Methods using R Programming- Basic Course	Online	1-week From 10/01/2022 to 14/01/2022	Amity University Uttar Pradesh, Lucknow Campus.
Workshop on "Sexual Harassment at workplace (POSH)"	Offline	3-days (2022-23)	ICC, University of Kashmir, Hazratbal

WEBINARS

Name of the Webinar	Place and Institution	Dates
"Education for Anyone, Anytime and Anywhere: NEP2020 & Beyond"	BVICAM, New Delhi	11 December, 2021
"Work from home – new norm? opportunities and challenges"	BVICAM, New Delhi	18 December, 2021
"Cyber Physical Social System - The Foundation of IR 5.0"	BVICAM, New Delhi	05 February, 2022
"Artificial Intelligence (AI) and Mass Media"	BVICAM, New Delhi	29 January, 2022
"Machine Learning – Simplified"	BVICAM, New Delhi	12 February, 2022

"Education 4.0: Role of AI in Transforming Academia"	BVICAM, New Delhi	15 January, 2022

INVITED TALKS

Name of the Organization	Name of the program	Date(s)
IUST	Induction Programme 2020-21	17th December 2020

PROGRAMMES COORDINATED

Name of the Organization	Name of the program	Date(s)
IIT, Mumbai	Workshop on Linux	22nd June 2013

REFRENCES

1. **Prof. (Dr.) Shakil A Romshoo**
Vice Chancellor, Islamic University of Science & Technology, Awantipora, Pulwama, J&K, 192122, India.

2. **Dr. Rumaan Bashir**
Head Dept. of Computer Science,
Islamic University of Science & Technology, Awantipora, Pulwama, J&K, 192122, India.

3. **Prof. P. Nagabhushan**
Vice Chancellor, Vignan Unverisity, India.

CERTIFICATE

This is to certify that the particulars given in this C.V are correct to the best of my knowledge.

Shabana Nargis