

# Javaid Iqbal Bhat (Ph.D.)



## Associate Professor & Head

Department of Computer Science, IUST Kashmir, J&K

## Personal Profile

- Address: Department of Computer Science, School of Engineering & Technology, Islamic University of Science & Technology (IUST) Kashmir, J&K, India
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## Academic Qualification:

- Bachelors (B.Sc) – University of Kashmir, Srinagar, J&K – 2002
- Masters (MCA) – University of Kashmir, Srinagar, J&K – 2005
- M. Phil (Computer Science) – University of Kashmir, Srinagar, J&K – (2011)
- Ph. D (Computer Science) – University of Kashmir, Srinagar, J&K – (2019)
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## Professional Career (General)

- Associate Professor – Department of Computer Science, School of Engineering & Technology, Islamic University of Science & Technology (IUST), Kashmir, J&K (01<sup>st</sup> July 2020 – till date).
- Assistant Professor (Selection Grade) – Department of Computer Science, School of Engineering & Technology, Islamic University of Science & Technology (IUST), Kashmir, J&K (13<sup>th</sup> June 2017 – 30<sup>th</sup> June 2020).
- Assistant Professor (Senior Scale) – Department of Computer Science, School of Engineering & Technology, Islamic University of Science & Technology (IUST), Kashmir, J&K (13<sup>th</sup> June 2012 –12<sup>th</sup> June-2017).
- Assistant Professor – Department of Computer Science, School of Engineering & Technology, Islamic University of Science & Technology (IUST), Kashmir, J&K (13<sup>th</sup> June 2007 – 12<sup>th</sup> of June, 2012).
- Assistant Professor (Contractual) – Department of Computer Science, School of Engineering & Technology, Islamic University of Science & Technology (IUST), Kashmir, J&K (08<sup>th</sup> September 2006 – 12<sup>th</sup> June 2007).

- Lecturer (Contractual) – Govt. Degree College Bijbehara Anantnag, J&K (17<sup>th</sup> May 2006 – 07<sup>th</sup> September 2006)

## Professional Career (Specific)

- Head -- Department of Computer Science, Islamic University of Science & Technology (IUST), Kashmir, J&K (August 2021- till date)
- I/C Head – Department of Computer Science, Islamic University of Science & Technology (IUST), Kashmir, J&K (August 2019-August 2021)
- I/C Head – Department of Computer Science, Islamic University of Science & Technology (IUST), Kashmir, J&K (September 2009- December 2010)
- Coordinator – Advanced Centre for Information Technology & e-Governance (ACIT & e-Gov.), Islamic University of Science & Technology (IUST), Kashmir, J&K (21<sup>st</sup> February, 2013 – 25<sup>th</sup> February, 2014)

## Papers: Published & Presented

- **Javid Iqbal Bhat**, (2008) “Impact of Open Source Software: A Study”, 03 Day National Seminar on “Open Access Movement: Initiatives, Promotion and Impact” organized by Department of Library and Information Science, University of Kashmir, J&K (23<sup>rd</sup> to 25<sup>th</sup> of October, 2008).
- **Javid Iqbal Bhat**, (2009) “Character Recognition”, State level seminar on “Image Processing” at National Institute of Technology, Srinagar, J&K (12<sup>th</sup> April, 2009).
- **Javid Iqbal Bhat**, (2011) “Document Image Indexing”, National Seminar on “Open Source Software Systems: Challenges & Opportunities” organized by Department of Library and Information Science, University of Kashmir, Srinagar, J&K (20<sup>th</sup> to 22<sup>nd</sup> of October, 2011).
- Kaiser J. Giri, Gazi Imtiyaz, **Javid Iqbal Bhat** (2015), “Authenticity of Images using Digital Image watermarking: A Potential Mechanism to Prevent their Misuse”, at two day National Conference NISCON, 2015 organized by Sri Pratap College Srinagar, J&K.
- **Javid Iqbal Bhat**, “Security Issues in Cloud Computing: A Study”, International Conference on Sustainable Development & Technological Innovation, organized by School of Business Studies, Islamic University of Science & Technology (IUST), Kashmir, J&K and Sponsored by AICTE (23<sup>rd</sup> to 24<sup>th</sup> of December, 2015).
- **Javid Iqbal Bhat**, Kaiser Javeed Giri (2016) “Leveraging Graph Theoretic Approach for Online Social Network Analysis”, International Journal of Engineering Sciences, 21, 187-194
- Rumaan Bashir, Kaiser J. Giri, **Javid Iqbal Bhat** (2016), “A Classification of Script Identification Systems”, International Journal of Engineering Sciences, 18, 191-204
- Kaiser J. Giri, Rumaan Bashir, **Javid Iqbal Bhat** (2016), “Character Recognition: An Optimal Feature Based Approach”, International Journal of Engineering Sciences, 21, 187-194
- Kaiser J. Giri, Rumaan Bashir, **Javid Iqbal Bhat** (2016) “Color Image Authentication using a Block Based Watermarking Scheme”, UGC sponsored National Seminar on Electronic Devices, Systems and Information Security (SEEDS-2016) organized by Post Graduate Department of Electronics & Instrumentation Technology, University of Kashmir, Srinagar, J&K

- **Javaid Iqbal Bhat**, “Document Image Analysis: Significance & Challenges” National Interdisciplinary Conference, SSD-2016, on the theme “Science for sustainable Development” organized by Sri Pratap College Srinagar, J&K (25<sup>th</sup> & 26<sup>th</sup> February, 2017)
- **Javaid Iqbal Bhat**, Zahid Hussain Wani, “Assessing the Impact in Software Development Cost, Based on the Variance in Trainings of Different Artificial Neural Networks”, UGC sponsored National Seminar on Electronic Devices, Systems and Information Security (SEEDS-2017) organized by Post Graduate Department of Electronics & Instrumentation Technology, University of Kashmir, Srinagar, J&K (24<sup>th</sup> & 25<sup>th</sup> of March, 2017)
- **Javaid Iqbal Bhat**, Zahid Hussain Wani (2017), 2<sup>nd</sup> JK Medical Science Congress 2017 organized by Sher-i-Kashmir institute of Medical Sciences Srinagar, J&K in collaboration with JK Universities, Medical Colleges, Dental Colleges and Directorate of Health Services, sponsored by PCOS Society, DST, DBT, CSIR and ICMR (10<sup>th</sup> to 13<sup>th</sup> of May, 2017)
- **Javaid Iqbal Bhat**, Dr. S. M. K. Quadri “An efficient Content based Image retrieval using Quadtree and sparse scan structure”, 4<sup>th</sup> International Conference on recent trends and advancements in engineering and technology (ICRTAET), sponsored by SMVDU-TBIC & TEQIP-III (03<sup>rd</sup> & 04<sup>th</sup> of November, 2017)
- **Javaid Iqbal Bhat** & Zahid Hussain Wani, Software Cost Estimation Using Model Based Techniques: An Overview, Global Journal of Engineering Science and Researches 2018, Vol-5, Page: 223-234
- **Javaid Iqbal Bhat**, Content Based Document Image Retrieval: A Review, Journal of Emerging Technologies and Innovative Research 2018, Vol-5, Page: 1170-1174
- **Javaid Iqbal Bhat** & S.M.K. Quadri, Content-Based Document Image Indexing and Retrieval using Hybrid of Quadtree and Sparse Matrix Structure, Journal of Advanced Database Management & Systems / STM Journals 2018, Vol-05, Page: 18-27
- Kaiser J. Giri, Rumaan Bashir & **Javaid Iqbal Bhat**, A Discrete Wavelet Based Watermarking Scheme for Authentication of Medical Images, International Journal of E-Health and Medical Communications (IJEHMC) / IGI Global 2019, Vol-10, Page: 30-38.
- **Javaid Iqbal Bhat**, An Efficient Content Based Image Indexing and Retrieval using Quadtree Structure and its Subsequent Diagonal Scan, International Conference on New Trends in Engineering & Technology (ICNTET)-2018, IEEE Supported Conference by GRT Institute of Engineering & Technology, Tiruttani Chennai Tamil Nadu, India
- **Javaid Iqbal Bhat**, A Novel Indexing Efficient Retrieval System, 5th International Conference on Recent Trends & Advancement in Engineering & Technology-2018, organised by Shri Mata Vaishno Devi University, Katra, J&K.
- Wani, Z. H., **Bhat, J. I.**, & Giri, K. J. A Generic Analogy-Centered Software Cost Estimation Based on Differential Evolution Exploration Process-2021. The Computer Journal.
- Kaiser J. Giri, Rumaan Bashir. **Javaid Iqbal Bhat**, A Discrete Wavelet Based Watermarking Scheme for Authentication of Medical Images, International Journal of E-Health and Medical Communications (IJEHMC)-2019, vol-10, Page-30-38
- Giri, K.J., Quadri, S.M.K., Bashir, R., **Bhat, J. I.**, DWT based color image watermarking: a review. Multimed Tools Appl - 2020, 79, 32881–32895.

## Conferences/Seminars/Workshops/Faculty Development Programs:

- 04 week UGC sponsored General Orientation Course organized by Academic Staff College, University of Kashmir, Srinagar, J&K (28<sup>th</sup> of January to 25<sup>th</sup> of February, 2008).
- Three day workshop on “Breakthrough Facilitation” conducted by Management Foundation for Organizational Research & Development (MANFORD), New Delhi in collaboration with HELP Foundation J&K (21<sup>st</sup> to 23<sup>rd</sup> of October, 2011).
- One week Workshop “Mission 10X” under National Education Mission conducted by School of Technology, Islamic University of Science & Technology, Kashmir in collaboration with Indian Society for Technical Education (ISTE) and Wipro Limited.
- Two week Faculty Development Program on “Oracle Database 10g: Program with PL/SQL and Administration Workshop” organised by Oracle Corporation at New Delhi, India (16<sup>th</sup> December to 27<sup>th</sup> of December, 2011).
- One week Faculty Development Program “Oracle Database 10g: Administration Workshop” organised by Oracle Corporation at New Delhi, India (18<sup>th</sup> February to 24<sup>th</sup> of February, 2012).
- Two day ISTE workshop on “Aakash for Education” under National Mission on Education through ICT(MHRD) conducted by Indian Institute of Technology (IIT) Bombay, India (10<sup>th</sup> & 11<sup>th</sup> of November, 2012).
- Two week Workshop on “Research Methodology in Management, Commerce & Social Sciences” conducted by School of Business Studies, Islamic University of Science & Technology (IUST), Kashmir, J&K (30<sup>th</sup> November to 12<sup>th</sup> December, 2013).
- Three week UGC sponsored “Special Winter School Refresher Course”, at Academic Staff College, University of Kashmir, Srinagar, J&K (10<sup>th</sup> February to 03<sup>rd</sup> of March, 2015).
- Two day UGC sponsored National Seminar on “Electronic Devices, Systems and Information Security (SEEDS-2015)” organized by Post Graduate Department of Electronics & Instrumentation Technology, University of Kashmir, Srinagar, J&K. (16<sup>th</sup> & 17<sup>th</sup> of March, 2015)
- Three day International Conference on “Advances in Computers, Communication and Electronic Engineering (COMMUNE-2015)” organized by Post Graduate Department of Electronics & Instrumentation Technology, University of Kashmir, Srinagar, J&K (16<sup>th</sup> to 18<sup>th</sup> of March, 2015)
- Two day workshop on “Introduction to Robotics” conducted by ERTS Lab Department of Computer Science and Engineering, Indian Institute of Technology (IIT) Bombay, India at Islamic University of Science & Technology (IUST), Kashmir, J&K (25<sup>th</sup> & 26<sup>th</sup> of April, 2016)
- One day International workshop on “Cyber Communication: Security and Laws” organized by Electronics and Communication Engineering, Islamic University of Science & Technology (IUST), Kashmir, J&K (08<sup>th</sup> May, 2017).
- One day workshop on “How to Write and Publish Scientific Articles and Manuscripts” jointly organized by Springer Nature and Islamic University of Science & Technology (IUST), Kashmir, J&K (15<sup>th</sup> of December, 2017)
- Two day workshop on “Scientific and Technical Documentation Using LATEX” organized by Department of Electrical Engineering, Islamic University of Science & Technology (IUST), Kashmir, J&K (21<sup>st</sup> & 22<sup>nd</sup> of December, 2017)

- Two day workshop on “Outcome Based Education” organized by School of Technology, Islamic University of Science & Technology (IUST), Kashmir, J&K (26<sup>th</sup> & 27<sup>th</sup> of March, 2018).
- One Week National Level Faculty Development Programme on “Research Trends in Information Technology (RTIT-2018) ”, organized by Department of Computer Science and Department of Computer Science Engineering, Islamic University of Science & Technology, Awantipora (25-09-2018 to 29-09-2018).
- One Week Faculty Development Program on Emerging Trends in Physical, Chemical and Mathematical Sciences, organized by Department of Physics, Chemistry and Mathematical Sciences(14-02-2019 to 20-02-2019)
- One Week National Workshop on Machine Learning using Python, organized by Department of Computer Science, Islamic University of Science & Technology, Awantipora (01-07-2019 to 05-07-2019).
- Two days Faculty Development Workshop on “Role of ICT in Education”, organized by Department of BCA & College Seminar Committee Govt. Degree College Kulgam (10<sup>th</sup> & 11<sup>th</sup> March 2020).

### Book Chapters:

- Giri, K. J., Jeelani, Z., **Bhat, J. I.**, & Bashir, R. (2021). Survey on Reversible Watermarking Techniques for Medical Images. In *Multimedia Security* (pp. 177-198). Springer, Singapore.

### Field(s) of specialization under the subject:

- Data Structures & Analysis of Algorithms
- Document Image Indexing
- Digital Image Processing
- Information Retrieval
- Management Information Systems

### Memberships:

- Life member IEEE
- Life Member Kashmir University Alumni Association (KUAA)

### Reviewer:

- International Journal of Advancements in Technology
- International Journal of E-Health and Medical Communications (IJEHMC)

## **Consultancy Projects:**

- Security Solution at Jammu & Kashmir Wakf Board Managed Shrines.

## **Projects:**

- Establishment of Innovation Centre at Islamic University of Science & Technology Awantipora, Higher Education, Government of Jammu & Kashmir- (Approved 10.0 Cr)
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