

MS

CURRICULUM VITAE

Dr. MOHAMMAD SAJID

Assistant Professor

Department of Computer Science

Aligarh Muslim University

Aligarh-202002, INDIA

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Contact No.-9634622950

EDUCATION

2012-2016

Ph.D. -Computer Science

Jawaharlal Nehru University, New Delhi, India

Topic: Design and Analysis of Energy Aware Scheduling Models for Heterogeneous Computing System.

Advisor: Dr. Zahid Raza, Ph.D.

2010-2012

M. Tech. -Computer Science and Technology

Jawaharlal Nehru University, New Delhi, India

Topic: Minimization of Job Turnaround Time using Node Replication on Sun Fire X4470

C.G.P.A. – 7.88/9.00

Advisor: Dr. Zahid Raza, Ph.D.

2007-2010

M.C.A. (Master of Computer Applications)

Jawaharlal Nehru University, New Delhi, India

C.G.P.A. – 7.29/9.00

Major Project Title- Femto Cell AC Side

Organization: **Aricent Technologies Pvt. Ltd, Gurgaon, India**

2003-2006

B.Sc. (Bachelor of Science) -PCM

D. A.V. (PG) College, Muzaffar Nagar, India

Percentage – 72%

ACADEMIC EMPLOYMENT

**May 2016 -
Present**

Assistant Professor

Department of Computer Science

Aligarh Muslim University, Aligarh, India

RESEARCH FELLOW

- Jan-May 2016** **Project Associate**
Department of Science and Technology (DST)-Purse
SC&SS, Jawaharlal Nehru University, New Delhi, India.
- 2012 -2015** **Senior Research Fellow**
School of Computer and Systems Sciences
Jawaharlal Nehru University, New Delhi, India.
- 2010 -2012** **Junior Research Fellow**
School of Computer and Systems Sciences
Jawaharlal Nehru University, New Delhi, India.

ACHIEVEMENTS

- 2016** **Start-Up Grant, 2017-2019**
Awarded by University Grants Commission, New Delhi-India
- 2016** **SERB National Postdoctoral Fellowship (N-PDF), 2016-2018 -Awarded**
Awarded by the Science and Engineering Research Board, statutory body under the Department of Science and Technology, INDIA
- 2013** **UGC-NET-JRF -Awarded**
Awarded by University Grants Commission, New Delhi
- 2011** **UGC-MANF-SRF, 2012-2015**
Awarded by University Grants Commission, New Delhi
- 2011** **UGC-MANF-JRF, 2010-2012**
Awarded by University Grants Commission, New Delhi
- 2012** **GATE-Qualified**
Conducted by IIT, New Delhi
- 2010** **Placed as Software Engineer Trainee**
Job offered by Aricent Technologies Pvt. Ltd, Gurgaon, India
- 2007-2010** **JNU-MCM (Merit-cum-Means) Fellowship**
Awarded by Jawaharlal Nehru University, New Delhi

PROFESSIONAL AFFILIATIONS AND SERVICES

- 2019** **Member of Technical Program Committee (TPC) Member in**
DAH-2019 workshop organized by Dept. CS&IT, MGCU, Bihar

- 2019** **Member of advisory committee of Four weeks Self-Financed Summer Training Program on "Python Machine Learning and Project Development (PMLPD-2019)"** organized by Dept. CS&IT, MGPU, Bihar
- 2018** **Developed MOOCs modules on SWAYAM platform**
Course ID-5283: ICT in Teacher Education
Module-17: Tools for Virtual Storage and File Management: Concept and Educational Uses
https://www.youtube.com/watch?v=SNBV_p9_Rxc
- Module 18:** Currently Available Tools for Virtual Storage and File Management
<https://drive.google.com/file/d/1yH6a6llhdhnDrtkMvPo5r97JGbDXXiLH/view?usp=drivesdk>

Professional Organization Member

Indian Science Congress Association (Life Membership No. L37844)
Indian Mathematical Society (Life Membership No. L/2019/33)

Committee Member

Syllabus Revision Committee
NAAC Committee (2019)

PUBLICATIONS

1. **M. Sajid**, Z. Raza, "Energy-efficient quantum-inspired stochastic Q-HypE algorithm for batch-of-stochastic-tasks on heterogeneous DVFS-enabled processors", *Concurrency and Computation: Practice and Experience* (Wiley), Vol. 31(20)-e5327, 2019. (**SCIE IF 1.133**).
2. **M. Sajid**, Z. Raza, "Energy-Aware Stochastic Scheduler for Batch of Precedence-constrained Jobs on Heterogeneous Computing System", *Energy* (Elsevier), Vol. 125, pp. 258-274, 2017 (**SCI IF 4.52**).
3. **M. Sajid**, Z. Raza, M. Shahid, "Hybrid Bio-inspired Scheduling Algorithms for Batch of Tasks (BoT) Applications on Heterogeneous Computing System", *International Journal of Bio-inspired Computation* (InderScience), Vol. 11(3), pp. 135-148, 2018 (**SCIE IF 1.935**).
4. **M. Sajid**, Z. Raza, M. Shahid, "Energy Efficient Scheduling Algorithms for Batch-of-Tasks (BoT) Applications on Heterogeneous Computing Systems", *Concurrency and Computation: Practice and Experience* (Wiley), Vol. 28(9), pp. 2664-2669, 2016. (**SCIE IF 1.133**).

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5. **M. Sajid**, Z. Raza, “Energy-aware Stochastic Scheduling Model with Precedence-constraints on DVFS-enabled Processors”, Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 24(5), pp. 4117-4128, 2016. (ISSN No. 1300-0632, **SCIE IF 0.578**).
6. **M. Sajid**, Z. Raza, “Turnaround Time Minimization-Based Static Scheduling Model Using Task Duplication for Fine-Grained Parallel Applications onto Hybrid Cloud Environment”, IETE-Journal of Research (Taylor and Francis), Vol. 62(3), pp. 402-414, 2016. (ISSN No - 0377-2063, **SCIE IF 0.284**).
7. M. Shahid, Z. Raza, **M. Sajid**, “Level based batch scheduling strategy with idle slot reduction under DAG constraints for computational grid”, Journal of Systems & Software (Elsevier), Vol. 108, pp. 110-133, 2015. (ISSN No. 0164-1212, **SCIE IF-2.444**).
8. **M. Sajid**, Z. Raza, “An Analytical Model for Resource Characterization and Parameter Estimation for DAG-Based Jobs for Homogeneous Systems”, International Journal of Distributed Systems and Technologies (IGI-Global), Vol. 6(1), pp. 34-52, 2015. (ISSN Number-1947-3532, Scopus Indexed, H-index- 5).
9. RM Rawat, TK Gupta, **M. Sajid** et al., “An Improved Fuzzy Voting Scheme for Fault Tolerant Systems”, International Journal of Applied Evolutionary Computation (IGI-Global), Vol. 6(2), pp. 41-49, 2015. (ISSN No. 1942-3594, DBLP Indexed).

CONFERENCE PAPERS/PRESENTATIONS

1. **M. Sajid**, Z. Raza, “Level Based Task Duplication Strategy to Minimize the Job Turnaround Time”, 2012 2nd IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC), JUIT Solan, pp. 164-169, Print ISBN No. - 978-1-4673-2922-4.
2. **M. Sajid**, Z. Raza, “Cloud Computing: Issues & Challenges”, International Conference on Cloud, Big Data and Trust (ICCBTD) 2013, Nov 13-15, RGPV, pp. 35-41, 2013.

TRAINING PROGRAMS-PARTICIPATED

2019	Five-days short term course on Machine Learning, Electronics, AMU, Aligarh
2018	UGC Sponsored Orientation Programme-150, UGC HRDC Centre, AMU, Aligarh
2018	ATM IST Mathematics for Computer Science, CMI, Chennai
2018	GIAN Course -Cloud Data Center Service Provisioning: Theoretical and Practical Approaches, JNU, New Delhi

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- 2017 SAKSHAM-IT Champion Training Program, AMU, Aligarh
- 2017 International Workshop on Convex Analysis and Optimization, AMU, Aligarh
- 2016 Induction Course, UGC HRDC Centre, AMU, Aligarh
- 2016 FDP on Cyber Security and Network, JNU, New Delhi
- 2015 International Research Workshop on Cloud Computing, JNU, New Delhi
- 2015 Presented Poster at National Science Day, JNU, New Delhi
- 2015 VLSI Workshop, JNU, New Delhi
- 2013 Symposium on DM&DM, South Asian University, New Delhi
- 2013 Symposium on CT&MM, South Asian University, New Delhi
- 2013 Workshop on Cloud Computing, CDAC-Chennai
- 2012 Presented Paper at 2012 IEEE International Conference on PDGC, JUIT Solan, HP, India
- 2012 Workshop on "How to write and get publishing", JNU, New Delhi
- 2010 7th IBM-Collaborative Academic Research Exchange, IBM New Delhi
- 2010 PRISM Technical Training, Aricent (P) Ltd, Gurgaon
- 2010 FEMTOCELL AC side Project, Aricent (P) Ltd, Gurgaon (MCA-VI Project)

RESEARCH INTERESTS

Evolutionary Computation
Parallel Computing, Cloud Computing, Internet of Things
Workflow Scheduling
Vehicle Routing Problem
Model-based Evolutionary Computation

TEACHING INTERESTS

Theory of Computation
Computer Architecture
Parallel Computing
Programming with Python
Optimization Techniques

REFEREES

Dr. Zahid Raza

Associate Professor
School of Computer and Systems Sciences
Jawaharlal Nehru University, New Delhi
Email-zahidraza@mail.jnu.ac.in

Prof. Deo Prakash Vidyarthi

Professor
School of Computer and Systems Sciences
Jawaharlal Nehru University, New Delhi
Email- dpv@mail.jnu.ac.in

PERSONAL INFORMATION

Father's Name: Mr. Mohammad Sabir
Mother's Name: Mrs. Nafeesa Khatoon
Address: C-01, Medical Colony, AMU, Aligarh-202002
Languages Known: Hindi, English, Urdu

DECLARATION

I hereby declare that the all information furnished above are true and correct to the best of my knowledge and belief.

(Mohammad Sajid)