

## Dr. Anita Choudhary

Designation: Assistant professor (Regular)  
Department: Computer Science  
Institute: Rajasthan Agricultural Research Institute, Durgapura,  
Jaipur, India  
**Phone:** +91 7665027770  
**Email:** [anitach312@gmail.com](mailto:anitach312@gmail.com)  
[Anitach.cs@sknau.ac.in](mailto:Anitach.cs@sknau.ac.in)



### PROFILE SUMMARY

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- Experience of 6 years 6 months in teaching.
- Published- 6 papers in Journals & 8 papers in International Conferences & 1 in magazine.
- Organized and participated in Seminar/FDP/STP/workshops.
- **GATE-2010** Qualified.
- **UGC-NET-2016** Qualified.
- Coordinator of academic activities at Institute level and Department level.

### EDUCATIONAL QUALIFICATIONS

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- **Ph.D.** awarded entitled “**QoS-Aware Energy-Efficient Resource Provisioning and Scheduling in Cloud Computing Environment**” Under the Supervision of **Prof. Mahesh Chandra Govil (Director, NIT Sikkim)** and **Prof Girdhari Singh (Department of Computer Science & Engineering)** at **Malaviya National Institute of Technology Jaipur** in September, 2020
- **M. Tech.** (Computer Engineering) from National Institute of Technology Kurukshetra with ‘Honours’ (81.6%) in 2013
- **B. Tech.** (Information Technology) from University College of Engineering, Kota with 66.40% in 2010
- **Higher Secondary** (Science-Math) from Rajasthan Board with 78.46% in 2006
- **Secondary** from Rajasthan Board with 73.67% in 2004

### TEACHING EXPERIENCE

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S. No.	Designation	Organization	Period	Pay (per moth)
1	Assistant Professor (Regular)	Department of Computer Science, Rajasthan Agricultural Research Institute, Durgapura, Jaipur	July 08, 2023 to till now	6000/- GP
2	Assistant Professor (Contract)	Department of Computer Science, Central University of Rajasthan	Oct. 11, 2022 to May 26, 2023	50,000/- Fix

3	Assistant Professor (Regular)	Department of Computer Science & Engineering, Manipal University Jaipur	Aug. 01, 2022 to Oct. 10, 2022	76718/- Fix
4	Assistant Professor (TEQIP III)	Department of Computer Science & Engineering, Engineering College Ajmer	Feb. 03, 2022 to March 31, 2022	74,270/- Fix
5	Assistant Professor (TEQIP III)	Department of Computer Science & Engineering, Engineering College Ajmer	Jan. 03, 2018 to Sep. 30, 2021	74,270/- Fix
6	Assistant Professor (Contract)	Department of Computer & Information Technology, Women Engineering College Ajmer	Aug. 9, 2010 to July 30, 2011	12,000/- Fix

### **ADMINISTRATIVE EXPERIENCE AND OTHER RESPONSIBILITIES**

<b>S. No.</b>	<b>Position Held</b>	<b>Period</b>	<b>Contribution</b>
1.	<b>GATE Coordinator</b> of CS and IT branch at Engineering College Ajmer	April 2018 to July 2019	Track the Student GATE data of CS and IT branch
2.	<b>Coordinator Skill Employability Training</b> of CS and IT branch at Engineering College Ajmer	April 2018 to July 2019	Track the Student Skill Employability Training data of CS and IT branch
3.	<b>Coordinator of EAP</b> of Computer Science & Engineering department at Engineering College Ajmer	July 2018 to July 2019	Track activities and events done under EAP
4.	<b>Coordinator</b> of Induction Training Program organized at department of Computer Science & Engineering at Engineering College Ajmer	June 2019	Organized a training program and deliver expert talk on “C & C++ programming”
5.	<b>Coordinator</b> of Diagnostic Assessment at Engineering College Ajmer	Sep. 2019 to June 2021	Coordinate and conduct of Diagnostic Assessment at Institute
6.	<b>Member</b> of ERP Solutions Committee at SKNAU, Jobner	June 2024 to till date	Member of ERP Solutions Committee
7.	<b>Member</b> of Placement Committee at College of Agriculture, Jhilai under SKNAU, Jobner	July 2024 to till date	Member of Placement Committee
8.	<b>Member</b> of E-filling module Committee at SKNAU, Jobner, Jaipur	August 2024 to till date	E-filling module

9.	<b>In-charge</b> “Computer Lab” at College of Agriculture, Jhilai, Tonk,	Session 2023-24	Computer Lab Work
10.	<b>In-charge</b> “Networking” of Agriculture, Jhilai, Tonk,	Session 2023-24	Networking Handling
11.	<b>In-charge</b> of “Cultural Activities” at College of Agriculture, Jhilai, Tonk	Session 2023-24	Organize Cultural Events
12.	<b>Member</b> of “Sports Activities” at College of Agriculture, Jhilai, Tonk,	Session 2023-24	Organize Sports Events
13.	<b>Member</b> of “Anti-Ragging Disciplinary Action Committee” at College of Agriculture, Jhilai, Tonk	Session 2023-24	Awareness about Anti-ragging
14.	<b>Member</b> of “Placement Cell” at College of Agriculture, Jhilai, Tonk	Session 2023-24	Organize Placement Activities
15.	<b>Convenor</b> of AI Lab establishment at Rajasthan Agricultural Research Institute, Durgapura, Jaipur under SKNAU, Jobner	August 2024 to till date	Convenor of AI Lab
16.	<b>Member Secretary</b> of Admission Committee for MSc and PhD at Rajasthan Agricultural Research Institute, Durgapura, Jaipur under SKNAU, Jobner	Sept 2024	Admission Committee of PG and PhD
17.	<b>Incharge Examination of PG and PhD</b> at Rajasthan Agricultural Research Institute, Durgapura, Jaipur under SKNAU, Jobner	Academic session 2024-25	Incharge Examination of PG and PhD
18.	<b>Warden Girls Hostel</b> at Rajasthan Agricultural Research Institute, Durgapura, Jaipur under SKNAU, Jobner	April 2025 to till now	Warden

**Research Interests:**

Cloud Computing, Grid Computing, Operating System, Real Time Systems, Computer Network.

**Lab Establishment and Infrastructure Development:**

1. Convener of Lab Establishment “**Digital Lab Transforming Agricultural Education**” at Rajasthan Agricultural Research Institute, Durgapura, Jaipu, May 2025.
2. Infrastructure Development of Girls Hostel at Rajasthan Agricultural Research Institute, Durgapura, Jaipur, March 2025.

### **Committee Members:**

1. Committee Member of “Placement Drive,” organized at Rajasthan Agricultural Research Institute, Durgapura, Jaipur on 4 December 2024.
2. Committee Member of “Women, the Power Pillars: Celebrating and Empowering Women” at College of Horticulture, Durgapura and Rajasthan Agricultural Research Institute, Durgapura, Jaipur on 21 December 2024.
3. Committee Member of “Communication Skills and Personality Development” at College of Horticulture, Durgapura, Jaipur from 4 March to 10 March, 2025.
4. Committee Member of One Day State Level Workshop on “Seed Bank for forage crops & Earth Day Celebration,” at Rajasthan Agricultural Research Institute, Durgapura, Jaipur on 16 April 2025.
5. Committee Member of 7<sup>th</sup> Convocation at Rajasthan Agricultural Research Institute, Durgapura, Jaipur on 5 March 2025.

### **Publications:**

#### **International Journals**

1. A. Choudhary, M. C. Govil, G. Singh, L. K. Awasthi, E. S. Pilli, and D. Kapil, “A critical survey of live virtual machine migration techniques,” *Journal of Cloud Computing*, vol. 6, no. 1. 2017.
2. A. Choudhary, M. C. Govil, G. Singh, L. K. Awasthi, and E. S. Pilli, “Energy-efficient fuzzy-based approach for dynamic virtual machine consolidation,” *Int. J. Grid and Utility Computing*, vol. 10, 2019.
3. S. A. Ansari, K. Pal, M. C. Govil, M. Ahmed, T. Chawla, and A. Choudhary, “Score-based Incentive Mechanism (SIM) for live multimedia streaming in peer-to-peer network,” *Multimed. Tools Appl.*, vol. 80, no. 13, pp. 19263–19290, May 2021, doi: 10.1007/S11042-021-10709-2.
4. A. Choudhary, M. C. Govil, G. Singh, L. K. Awasthi, and E. S. Pilli, “Energy-aware scientific workflow scheduling in cloud environment,” *Cluster Comput.*, May 2022, doi: 10.1007/S10586-022-03613-3.
5. P. Kumar, K. Pal, M. C. Govil, and A. Choudhary, “Rapid A\*: a robust path planning scheme for UAVs,” *Int. J. Intell. Robot. Appl.*, pp. 1–20, Jul. 2023, doi: 10.1007/S41315-023-00294-Y/FIGURES/12.
6. A. Choudhary, “Internet of Things: a comprehensive overview, architectures, applications, simulation tools, challenges and future directions,” *Discov. Internet Things 2024 41*, vol. 4, no. 1, pp. 1–41, Dec. 2024, doi: 10.1007/S43926-024-00084-3.

#### **International Conferences**

1. A. Choudhary, M. C. Govil, G. Singh, L. K. Awasthi, E. S. Pilli, and N. Kumar, “Improved Virtual Machine migration approaches in Cloud Environment,” in Fifth IEEE International Conference on Cloud Computing in Emerging Markets (CCEM), pp. 17-24, 2016.
2. A. Choudhary, M. C. Govil, G. Singh, and L. K. Awasthi, “Workflow Scheduling Algorithms in Cloud Environment: a Review , Taxonomy, and Challenges,” in Fourth

International Conference on Parallel, Distributed and Grid Computing (PDGC), pp. 617-624, 2016.

3. A. Choudhary, M. C. Govil, G. Singh, and L. K. Awasthi, "Energy-Efficient Resource Allocation Approaches with Optimum Virtual Machine Migrations in Cloud Environment," in Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC), pp. 182-187, 2016. **[Third best]**
4. A. Choudhary, M. C. Govil, G. Singh, L. K. Awasthi, and E. S. Pilli, "Task clustering-based Energy-aware Workflow Scheduling in Cloud environment," in IEEE 20th International Conference on High Performance Computing and Communications (HPCC), pp. 968-973, 2018.
5. S. Sagar, A. Choudhary, S. A. Ansari, and M. C. Govil, "A survey of energy-aware server consolidation in cloud computing," in 2022 International Conference on Frontiers of Intelligent Computing: Theory and Applications, 2022.
6. A. Choudhary, "Power-aware Resource-utilization at Google Cluster Data Centers," in 5th Congress on Intelligent Systems, September 2024.
7. A. Choudhary, "Quantum Computing: Principles, Architecture, Applications and Challenges," in International Conference on Computing Innovations (ICCI-2025), Feb. 2025.
8. A. Choudhary, "Fuzzy-based resource management in Cloud Computing," in 2<sup>nd</sup> International Symposium on Artificial Intelligence (ISAI-2025), March 05-07, 2025.

#### **Magazine Article:**

9. डॉ. रानी सक्सैना, डॉ. हरफूल सिंह, डॉ. के.सी. गुप्ता, डॉ. एम. आर. यादव, डॉ.भारती शौकीन, डॉ. अनीता चौधरी, "जलवायु अनुकूल कृषि पद्धतियाँ: खरीफ फसलों के लिए आवश्यक कदम," हरित क्रांति, **10 मई, 2025.**

#### **Workshop/Conference/Seminar Organized:**

1. Dr. Anita Choudhary, Joint Organizing Secretaries of 9<sup>th</sup> International Conference in Hybrid Mode on "Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2024)," SKNAU-RARI, Durgapura, Jaipur, Rajasthan, India, from 10-12 December 2024.
2. Dr. Anita Choudhary, **Coordinator** for the seven days workshop on "Scientific Research and Technical Writing Skills" at Rajasthan Agricultural Research Institute, Durgapura, Jaipur from 25th November to 1st December, 2024.
3. Dr. Anita Choudhary, **Coordinator** of "Women, the Power Pillars: Celebrating and Empowering Women" at College of Horticulture, Durgapura and Rajasthan Agricultural Research Institute, Durgapura, Jaipur from 4<sup>th</sup> March to 10<sup>th</sup> March, 2025.
4. Dr. Anita Choudhary, **Co-coordinator** for the One-week Certification Course on "Communication Skills and Personality Development" at College of Horticulture, Durgapura, Jaipur from 4<sup>th</sup> March to 10<sup>th</sup> March, 2025.

#### **Expert Talks and Conference Presentation:**

- Expert lecture at Engineering College Ajmer on "Topics on C and C++ training" in July 2018.

- Expert lecture at Engineering College Ajmer on “Topics on C and C++ training” in June 2019.
- Expert lecture at Engineering College Ajmer on “Topics on C and C++ training” in June 2020.
- Expert lecture at Engineering College Ajmer on “Topics on C and C++ training” in June 2021.
- Resource Person in AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Fog and Edge Computing Challenges and Research Directions " from 25/09/2021 to 29/09/2021 at National Institute of Technology Sikkim.
- Resource Person in One Week Online Faculty Development Programme Online Elementary FDP on "Cloud Computing and Its Application: Opportunities and Challenges" from 16/12/2022 to 20/12/2022 at Dr B R Ambedkar National Institute of Technology, Jalandhar.
- A. Choudhary, M. C. Govil, G. Singh, L. K. Awasthi, E. S. Pilli, and N. Kumar, “Improved Virtual Machine migration approaches in Cloud Environment,” in Fifth IEEE International Conference on Cloud Computing in Emerging Markets (CCEM), pp. 17-24, 2016.
- A. Choudhary, M. C. Govil, G. Singh, and L. K. Awasthi, “Workflow Scheduling Algorithms in Cloud Environment: a Review , Taxonomy, and Challenges,” in Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC), pp. 617-624, 2016.
- A. Choudhary, M. C. Govil, G. Singh, and L. K. Awasthi, “Energy-Efficient Resource Allocation Approaches with Optimum Virtual Machine Migrations in Cloud Environment,” in Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC), pp. 182-187, 2016. **[Third best]**
- A. Choudhary, M. C. Govil, G. Singh, L. K. Awasthi, and E. S. Pilli, “Task clustering-based Energy-aware Workflow Scheduling in Cloud environment,” in IEEE 20th International Conference on High Performance Computing and Communications (HPCC), pp. 968-973, 2018.
- S. Sagar, A. Choudhary, S. A. Ansari, and M. C. Govil, “A survey of energy-aware server consolidation in cloud computing,” in 2022 International Conference on Frontiers of Intelligent Computing: Theory and Applications, 2022.
- A. Choudhary, “Power-aware Resource-utilization at Google Cluster Data Centers,” in 5th Congress on Intelligent Systems, September 2024.
- A. Choudhary, “Quantum Computing: Principles, Architecture, Applications and Challenges,” in International Conference on Computing Innovations (ICCI-2025), Feb. 2025.
- A. Choudhary, “Fuzzy-based resource management in Cloud Computing,” in 2<sup>nd</sup> International Symposium on Artificial Intelligence (ISAI-2025), March 05-07, 2025.
- Resource Person in seven days’ Workshop on “Scientific Research and Technical Writing Skills” at Rajasthan Agricultural Research Institute, Durgapura, Jaipur from 25th November to 1st December, 2024.

- Resource Person in 3-Day Workshop on “Career Counselling” from 23/04/2025 to 25/04/2025 at Rajasthan International Centre, Jaipur.

**FDP/Workshop attended:**

1. Workshop on “IOTignite,” at Sophia College, Ajmer, from 22-23 February 2019.
2. Workshop on “Big Data Analytics & Machine Learning” at Dr. B.R.Ambedkar Institute of Technology Andaman & Nicobar, Sponsored by TEQIP-III, 22-27 April 2019.
3. FDP on “Network Security,” at Engineering College, Ajmer Sponsored by E&ICT Academy from 20-24 May 2019.
4. FDP on "Deep Learning & Applications," at Engineering College, Ajmer, Sponsored by E&ICT Academy, from 27-31 May 2019.
5. Summer Training on “Pedagogical Approach: Active Learning and Digital Tools,” at IIT Bombay, Sponsored by TEQIP-III, from 03 - 07 June, 2019.
6. FDP on “Robotics & Artificial Intelligence,” at Engineering College, Ajmer, Sponsored by E&ICT Academy, from 24-28 June, 2019.
7. STC on “Renewable Energy System and Their Techno-economic Feasibility in India” at Mechanical Dept., Engineering College, Ajmer, Sponsored by TEQIP-III, from 8-12 July, 2019.
8. STC on “Emerging Trends and Innovation in Engineering,” at Computer Science Dept., Engineering College, Ajmer, Sponsored by TEQIP-III, from 22 July- 2 August, 2019.
9. FDP on “Deep Learning & Applications,” at MNIT Jaipur Sponsored by E&ICT Academy, from 9 December to 13 December, 2019.
10. FDP on “ICT Tools for Teaching, Learning Process & Institutes,” Organized by Ministry of Electronics and Information Technology Sponsored by TEQIP III, from 13 January 2020 to 17 January 2020.
11. FDP on “FDP: Internet of Things (IoT),” Organized by AICTE Training and Learning (ATAL) Academy, AICTE, from 04-May-2020 to 08-May-2020
12. FDP on “Advanced optimization Techniques and hands-on with MATLAB/SCILAB,” Organized by Electronics and ICT Academies AICTE, from 13 July 2020 to 24 July 2020.
13. FDP on “ICT Tools for Teaching, Learning Process and Institute,” Organized by Electronics and ICT Academies, AICTE, from 10 August 2020 to 21 August 2020.
14. FDP on “Formal verification of Cyber-Physical System: Opportunities and Challenges,” Organized by TEQIP-III AICTE, from 11 September 2020 to 15 September 2020.
15. FDP on “Block chain,” Organized by AICTE Training and Learning (ATAL) Academy AICTE, from 07 December 2020 to 11 December 2020.
16. FDP on “Internet of Things (IoT),” Organized by AICTE Training and Learning (ATAL) Academy, AICTE, from 14-Dec-2020 18-Dec-2020.
17. FDP on “Block chain,” Organized by AICTE Training and Learning (ATAL) Academy, Sponsored by TEQIP III, from 20 December 2020 to 24 December 2020
18. FDP on “Data Science Analytics and Visualization Tools,” Organized by Shri Shankaracharya Technical Campus, Bhilai, District Durg, Chhattisgarh Sponsored by AICTE, from 21 December 2020 to 26 December 2020.

19. Five-day Workshop on “Real World Applications and challenges in IoT and Blockchain Technology” Organized by SRM University AP, from 13 January 2020 to 17 January 2020.
20. Workshop on “NARES-Blended Learning Platform” Organized by SKNAU, Jobner under ICAR-IASRI, New Delhi, From 26 October 2023 to 27 October 2023.
21. One-Week Online FDP entitled “Machine Learning and Statistical Data Analysis using MATLAB” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by UGC-MMTTC, Shri Mata Vaishno Devi University, Katra, J&K from 8 July to 13 July 2024.
22. Online Training Programme on “Generative AI & Use Cases,” funded by MeitY and endorsed by AICTE/UGC, from 11 January 11 to 2 February 2025.
23. FDP on “Quantum Computing” Organized by Karunya Institute Of Technology and Sciences, Sponsored by AICTE Training and Learning (ATAL) Academy, from 10/02/2025 to 15/02/2025.
24. FDP on “Quantum Technologies & Applications,” jointly organized by Electronics & ICT Academies MNIT Jaipur, NIT Patna, IIT Kanpur, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal, funded by MeitY and endorsed by DST - NQM / AICTE / UGC, from 28 February to 22 March 2025
25. FDP on “QT-02 Foundations of Quantum Technologies,” jointly organized by Electronics & ICT Academies MNIT Jaipur, NIT Patna, IIT Kanpur, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal, funded by MeitY and endorsed by DST - NQM / AICTE / UGC, from 11 April to 03 May 03 2025.
26. FDP on “QT-03 Basic Quantum Programming,” jointly organized by Electronics & ICT Academies MNIT Jaipur, NIT Patna, IIT Kanpur, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal, funded by MeitY and endorsed by DST - NQM / AICTE / UGC, from 16 May to 07 June 2025

**Journal Reviewing:**

1. Awarded for 1 review in September 2024 to Anita Choudhary in recognition of the review contributed to the Array journal

**Orientation Program and Faculty Induction Programme attended:**

1. Fifth Orientation Programme “Agricultural Education, Research and Extension Management” Organized by Department of Human Resource Development, SKNAU, Jobner, Jaipur-303329, Rajasthan, From 21/09/2023 to 11/10/ 2023.

**Personal Information:**

**Father’s Name:** Shri Hagami Lal Choudhary  
**Mother’s Name:** Shrimati Ram Kanwari  
**Date of Birth:** 03-12-1988  
**Passport:** Valid  
**Address:** H.No. 5/3, Civil Lines near Sanchar Kunj Ajmer, Rajasthan 305001  
 India

Date: June 16, 2025

**(Anita Choudhary)**