Name	Atul Sharma
Designation	Assistant Professor(Contract)
Qualification	M.Tech
Date of joining	22-08-2014
Phone	9802047452
Email ID	asuiet@kuk.ac.inatulsharma2204@gmail.com

1. Educational background (please fill the higher degree first):

Master of Technology 2012-2014	Institution	DCRUST, Murthal (Sonipat), India
	Major	Computer Science and Engineering
Bachelor of Technology 2008-2011	Institution	JMIT, Radaur, Kurukshetra University, Kurukshetra, India
	Major	Information Technology
Diploma 2005-2008	Institution	S.J.P. Polytechnic, Damla, Yamuna Nagar, India
	Major	Computer Science and Engineering

2. Work experience 7 yr. (Approximate)

• **Assistant Professor, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, India, Aug 10, 2015 to present.**

• **Assistant Professor, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, India, Aug 19, 2014 to May 15, 2015.**

• **Assistant Professor, JMIT, Radaur, Yamuna Nagar, India, Sept 1, 2011 to Aug 6, 2012**

3. Lecture courses (specify the courses taught): B.Tech

4. Research and consultancy

4.1 Areas of research interest:
- Wireless Networks
- Delay Tolerance Networks
- Big Data
- IoT and Fog Computing

4.3 Research publications (International/National Journals and conference proceedings) 32

1. Alankar Singh, Lakshay Gaba and Atul Sharma, "A Contact Based Routing Protocol for High Mobility Scenario in DTN", Amity International Conference on Artificial Intelligence, AICAI-2019 held during 4-6 February 2019 at Amity University, Dubai.

2. Alankar Singh, Lakshay Gaba and Atul Sharma, "Internet of Vehicles: Proposed Architecture, Network Models, Open Issues and Challenges", Amity International Conference on Artificial Intelligence, AICAI-2019 held during 4-6 February 2019 at Amity University, Dubai.

3. ChanderDiwaker, Atul Sharma and Pradeep Tomar, "IoT 's Future aspects and Environment surrounding IoT", Amity International Conference on Artificial Intelligence, AICAI-2019 held during 4-6 February 2019 at Amity University, Dubai.

4. Alankar Singh, Lakshay Gaba and Atul Sharma, "Comparative Analysis of different Routing Protocols in Vehicle Ad-hoc Network", Amity International Conference on Artificial Intelligence, AICAI-2019 held during 4-6 February 2019 at Amity University, Dubai.

5. Pragya Chandi, Atul Sharma,Amandeepchhabra and Piyush Gupta, "An DES Based Mechanism to Secure Personal Data on Internet of Things"ICCCPE 2018Springer in the "Lecture Notes in Electrical Engineering (LNEE)" series ISSN: 1876-1100.(In Press).

6. ChanderDiwaker, Pradeep Tomar and Atul Sharma, "Future Aspect and Challenges of Internet of Things for Smart Generation", ICCCPE 2018Springer in the "Lecture Notes in Electrical Engineering (LNEE)" series ISSN: 1876-1100.(In Press).

7. Atul Sharma and ChanderDiwaker"Impact of Node Mobility and Buffer space on Replication Based Routing Protocols in DTN", ICCCPE 2018Springer in the "Lecture Notes in Electrical Engineering (LNEE)" series ISSN: 1876-1100.(In Press).

8. Atul Sharma and Lakshay, "Evaluation of Different Selfish Node Detection Techniques in DTN", 7TH IEEE International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2018) Conference to be held during Aug 29-31, 2018 at Amity University UP Noida.

9. Dr. Dinesh Singh and Atul Sharma, "Selfish Node Detection using Nodes Contacts in DTN", MANTHAN–2017: TEQIP-II Sponsored Second National Conference on Recent Trends in Computing and Communication Technologies (RCCT-2017), March 02-03, 2017, ISBN: 978-93-86256-54-6",pp:45-47.

10.   Atul Sharma, Piyush Gupta and Saumya Goya, "Imposing Collaboration in Opportunistic Networks", MANTHAN–2017: TEQIP-II Sponsored Second National Conference on Recent Trends in Computing and Communication Technologies (RCCT-2017), March 02-03, 2017, ISBN: 978-93-86256-54-6", pp: 79-81.

11.   Atul Sharma, "Resource Utilization of DTN Routing Protocols by Calculating Energy Consumption of Mobile Nodes" Smart-Tech 2017, Springer in the Pervasive Computing: A Networking Perspective and Future Directions".

12.   Atul Sharma, Piyush Gupta and Jitender Grover, "Configuration of ONE Simulator using Eclipse",Special Issue-AETM'16, IOSR Journal of Electronics and Communication Engineering, ISSN: 2278-2834,pp:110-118.

13.   Piyush Gupta, Atul Sharma and Jitender Grover, "Rating based Mechanism to Contrast Abnormal Posts on Movies Reviews using MapReduce Paradigm", 5th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO) (Trends and Future Directions) AIIT, Amity University Uttar Pradesh, Noida, India IEEE, Sep. 7-9, 2016, pp: 262-266.

14.   Atul Sharma and Dr. Dinesh singh, "Selfish Nodes Detection Techniques in DTN", MANTHAN-2016: National Conference on Recent Trends in Computing and Communication Technologies (RCCT), September 29-30, 2016, ISBN: 978-93-86256-02-7,pp: 18-21.

15.   Atul Sharma, "Effect of Node Mobility on Routing Protocols in Delay-Tolerant Networks",International Journal of Control Theory and Applications ISSN: 0974-5572International Science Press Volume 9, Issue 45, 2016, pp: 345-356. (Scopus Indexed).

16.   Atul Sharma, Dr. Dinesh Singh, Poonam Sharma and Dr.SanjeevDhawan,"Selfish Nodes Detection in Delay Tolerant Networks" 1st IEEE International Conference on Futuristic Trends in Computational Analysis and Knowledge Management held on Feb 25-27,2015 at Amity University, Greater Noida.978-1-4799-8433-6/15/$/31.00©2015IEEE.

17.   Atul Sharma ,Kamlesh Kumari, Poonam Sharma and Rakhi Sharma "PSO in Delay Tolerance Network, 6th National Conference on Engineering, Management and apparel & Textile Technology, 21Feb,-2015 at Galaxy Global Group of Institutions Shabad Kurukshetra Haryana.

18.   Atul Sharma, Dr.Sanjeev Dhawan ,Dr.Kulvinder Singh, Rakhi Sharma and Sonia Sharma "Simulation of PSO using ONE Simulator in DTN", National Conference on Advances in Engineering, Technology & Management (AETM-15), IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) ISSN: 2278-2834 ,pp:47-51.

19.   Ankit Bhateja, Atul Sharma, Aakash Shukla, Shashank and Upasana," Collaborative Drones for Low Altitude Photogrammetric Survey", National Conference on Advances in Engineering, Technology & Management (AETM-15),IOSR Journal of Computer Engineering (IOSR-JCE) ISSN: 2278-0661,pp:12-19.

20.   HimaniJangra, ChanderDiwaker and Atul Sharma, "Malicious URLs Detection and Classification Methodologies", National Conference on Advances in Engineering, Technology & Management (AETM-15), IOSR Journal of Computer Engineering (IOSR-JCE) ISSN: 2278-0661, pp:25-30.

21.   Atul Sharma, "Optimization of TSP using Genetic Algorithm", STM Journals, Journal of Operating Systems Development & Trends 2015, pp: 14-18.

22.   Atul Sharma, and Kamlesh Kumari, "Routing Optimization using GA in DTN",SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE) – EFES April 2015,ISSN: 2348 – 8387,pp: 135-138.

23.   Divya Bansal, Ajay Jangra and Atul Sharma, "Simulation of Different Routing Protocols using ONE Simulator in Delay Tolerant Network", Journal of Network Security (JoNS), ISSN: 2321-8517, 2015, pp:20-26.

24.   Atul Sharma "Opportunistic network environment: A multipurpose simulation tool for wireless networks", Journal of Open Source Developments., ISSN: 2395-6704, 2015,pp: 1-5.

25.   Dinesh Singh, Sanjeev Indora, Anju Rani and Atul Sharma, "Routing Policies & Strategies in Delay Tolerant Network", National Conference on Advances in Engineering and Technology (AET- 29th March 2014), International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622,pp:23-29.

26.   Anju Rani, Atul Sharma, Dr. Dinesh Singh and Sanjeev Indora, "Movement Models based Performance Comparison of Routing Protocols in DTN", proceedings of Second International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA-14), 2014, ISBN 9789351072621, pp.126-131.

27.   Atul Sharma, and Kulvinder Singh, "An Analysis of various Movement Models in DTN", 2nd National Conference on Converging Technologies Beyond 2020 held on 28-29 Nov 2014 at UIET, Krukshetra University, Kurukshetra.

28.   Atul Sharma, "A Credit Based Routing Mechanism to Contrast Selfish Nodes in Delay Tolerance Networks", International Conference on Parallel, Distributed and Grid Computing, 978-1-4799-7683-6/14/$31.00©2014 IEEE.

29.   Atul Sharma Role of AI, Big Data and Cloud Computing in Evaluation of COVID-19" in 1st Online International Conference on Rebuilding BHARAT with Artificial

Intelligence Interventions after COVID-19 Pandemic : Opportunity and Challenges , organised by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA from 2-3 may 2020.

30.   Atul Sharma "Security Challenges and Issues in IoT" in 1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic : Opportunity and Challenges , organised by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA from 2-3 may 2020.

31.   Atul Sharma "Futuristic Internet of Things towards smart HealthCare" in 1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic: Opportunity and Challenges, organised by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA from 2-3 may 2020.

32.   Atul Sharma "A Novel Solution to Secure Credit based Mechanism based on Service Priority in Delay Tolerant Networks" communicated in The Journal of Supercomputing. (https://scholar.google.com/citations?user=XTK9tDEAAAAJ&hl=en)

4.4 Contribution in book chapters/book editor (if any) 4

5. **Reviewer in International Journals/conferences**

- **Reviewer, Scopus indexed 3rd international conference on Next Generation Computing Technologies (NGCT-2017), UPES Dehradun India, 30-31 Oct 2017.**

- **Reviewer, Scopus indexed World Conference on Applied Science, Engineering and Technology (WCASET) IFERP, Goa, India, 2-3 Jan 2018.**

- **Reviewer, Scopus indexedInternational Conference on Communications and Cyber Physical Engineering ICCCPE 2018, Hyderabad, India.**

- **Reviewer, Scopus indexed 4th International Conference on Green Computing and Engineering Technologies (ICGCET2018).**

- **Reviewer, Scopus indexed 3rd International Conference on Recent Trends in Computer Science and Electronics (RTCSE2018).**

- **Reviewer, Scopus indexed 3rd International Conference on Green Computing and Engineering Technologies (ICGCET2017).**

6. Contribution in laboratory development:

Designed scheme and syllabus also designed lab manuals

7. Events organized/participated/attended

Conferences/Workshop Organized

1. TEQIP-II Sponsored One Week Short Terms Course on Cloud Computing & Internet of Things on 14th to 19th March, 2017 organised by Computer Science and Engineering Department, UIET, Kurukshetra University, Kurukshetra Haryana.

2. TEQIP-II sponsored one-week continuing education program on research challenges and innovations of tools in the domain of computer engineering (RCITDCE) held during 09-13 March, 2015 at UIET, Kurukshetra University, Kurukshetra Haryana.

3. NITTTR Chandigarh sponsored five days Short term course on Student Evaluation through ICT held during 7 to 11 January 2019 at UIET, KUK

4. TEQIP-III Sponsored a Full day Expert Lecture and Hands-On Session on Artificial Intelligence and Data Science on 15 March, 2019 at UIET, Kurukshetra University, Kurukshetra Haryana.

5. 1st International Conference on Mobile Radio Communications and 5G Networks (MRCN – 2020),' to be held online in University Institute of Engineering & Technology, Kurukshetra University, Kurukshetra, Haryana on July 13th-15th, 2020.

Conferences/Workshops/FDP Attended

1. TEQIP-II Sponsored One Week Faculty Development on Recent Innovations in infrastructure less Networks Technologies (RIINT-14) during Jan 13-17, 2014.

2. National Conference on Advances in Engineering & Technology (AET-2014) held on 29th March, 2014 MMU, Sadopur ,Ambala, Haryana.

3. 2ndInternational conference on emerging research in Computing, Information, Communication and Applications ERCICA-2014 held during 01-02 August, 2014 held at NMIT Bangalore, India.

4. 2nd National Conference on Converging Technologies Beyond 2020 2CTB2020 held on 28-29 Nov 2014 at UIET, Krukshetra University, Kurukshetra.

5. 3rd IEEE International Conference on Parallel Distributed and Grid Computing (PDGC 2014) held on 11-13 Dec 2014 at Jaypee University of Information Technology, Walknaghat, Solan, Himachal Pardesh.

6. 6th National Conference on Engineering, Management and apparel & Textile Technology, 21Feb,-2015 at Galaxy Global Group of Institutions ShabadKurukshetra Haryana.

7. 1st IEEE International Conference on Futuristic Trends in Computational Analysis and Knowledge Management held on Feb 25-27,2015 at Amity University, Greater Noida.

8. National Conference on Advances in Engineering, Technology &Management held on 4thapril, 2015 at MMU Sadopur, Ambala, Haryana.

9. Two days Faculty Development Workshop on Product Design with Autodesk Tools

held on 7-8 Nov 2015 organized at Mechanical Engineering Department of UIET, Krukshetra University, Kurukshetra.

10. 3-Days workshop on MATLAB Software and its application in Electrical Engineeringheld during 5th to 7th April 2016 at UIET, Krukshetra University, Kurukshetra.

11. Shannon100, 3rd International conference on computing sciences held during 8-9 April,2016 at Lovely Professional University, Punjab.

12. 3rd National Conference on Advances in Engineering, Technology &Management held on 9thapril, 2016 at MMU Sadopur, Ambala, Haryana.

13. 5th International Conference on Reliability, Infocom Technologies and Optimization(ICRITO) held during September 7-9,2016 at Amity University U.P.

14. TEQIP-II Sponsored One week Workshop on Next Generation Computing held during 27 June to 01 July organized by Department of Computer Engineering at National Institute of Technology, Kurukshetra.

15. National Conference MANTHAN-2016: Recent Trends in Computing and Communication Technologies (RCCT) held during September 29-30, 2016 organised by Computer Science and Engineering Department DCRUST, Murthal India.

16. TEQIP-II Sponsored Five Days Faculty Training Programme on Android by GoogleInc. held during 19 Dec to 23 Dec, 2016 organized by Department of Computer Engineering at UIET, Kurukshetra University, Kurukshetra Haryana.

17. TEQIP-II Sponsored One Week Short Terms Course on Cloud Computing & Internet of Things on 14th to 19th March, 2017 organised by Computer Science and Engineering Department, UIET, Kurukshetra University, Kurukshetra Haryana.

18. Five Days Workshop on SWEBOK (Software Engineering Body of Knowledge) by the GLOBAL IEEE Institute for Engineers, Bengaluru, Karnataka from 20-March-2017 to 24-March-2017 under the aegis of TEQIP Phase-II organized by Department of Computer Engineering at UIET, Kurukshetra University, Kurukshetra Haryana.

19. International conference on Smart Technologies in Computer and Communication (SMARTTECH-2017) organized by Amity Institute of Information Technology, Amity University Rajastthan, Jaipur, India.

20. International Conference on Communications and Cyber Physical Engineering ICCCPE 2018 Organised by CMRIT Medchal Road, Hyderabad, Telangana India.

21. 7TH IEEE International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2018) Conference to be held during Aug 29-31, 2018 at Amity University UP Noida.

22. Amity International Conference on Artificial Intelligence, AICAI-2019 held during 4-6 February 2019 at Amity University, Dubai.

23. Participated & completed successfully AICTE Training and Learning (ATAL) Academy FDP on "Augmented Reality (AR)/ Virtual Reality (VR)" from 09-09-2019 to 13-09-2019 at University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra.

24. Participated & completed successfully AICTE Training and Learning (ATAL) Academy FDP on "Robotics" from 14-10-2019 to 18-10-2019 at University Institute

of Engineering and Technology, Kurukshetra University, Kurukshetra.

25. MTMI International Conference held at Amity Institute of Higher education, Mauritius during December 20-22-2019.

26. 1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic: Opportunity and Challenges, organised by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA from 2-3 may 2020.

27. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Block Chain" from 15-06-2020 to 19-06-2020 at University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra.

28. One Week Online Short Term Course on "Blockchain and Machine Learning", organized by the Faculty of Engineering & Technology, Gurukula Kangri Vishwavidyalaya, Haridwar from 29June -3 July,2020.

29. Participated in five days UIET-ESCI Live Online Webinar & Certification on NBA Accreditation From 06-10 July 2020.

8. Technical session chaired and invited talks

- **Session Chair, 7TH IEEE International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2018) Conference to be held during Aug 29-31, 2018 at Amity University UP Noida.**

- **Session Chair, Amity International Conference on Artificial Intelligence, AICAI-2019 held during 4-6 February 2019 at Amity University, Dubai**

- **Session chair, 5th International Conference on Signal Processing, Computing and Control (ISPCC 2k19) held during 10-12 October 2019 organized by Jaypee University of Information Technology, Waknaghat, India**

- **Expert lecture delivered on ONE simulator in TEQIP-II Sponsored One Week continuing education program on research challenges and innovations of tools in the domain of computer engineering (RCITDCE) held during 09-13 March, 2015 at UIET, Kurukshetra University, Kurukshetra Haryana.**

9. Any other technical skills (i.e., programming languages, software's, tools excelled etc.)

- **Platforms: C, C++, Java, Android, Python, HTML, MATLAB, ONE Simulator, SQL, Raptor.**

- **Operating Systems: Windows and Linux.**

10. Membership in Institute/ University Committees:

- **Member of Internal Quality Assurance Cell (IQAC).**

- **Member of Start Up Cell, Incubation center, institute innovation cell.**

- **Member of GATE Committee.**

11. Any additional roles and responsibilities:

- **An Anti-ragging Android app for students of KUK**
  The objective of this app is to make it convenient for fresher students of KUK to report any ragging activity to the concerned officials of anti-ragging committee. Student can message as well as call to authority at any time and can share live location to the authority so that anti-ragging committee members can take appropriate actions.

- **An Android app for DLSA (District Legal Service Authority) Kurukshetra**
  The objective of this app is to make it convenient for the Panel Advocate as well as the office of DLSA to share and view the status and update of the cases. The other ancillary objects include messaging service through notification, quick replies as well as the promotion of digitization.

- Member of committee in various events like PRATISPARDHA, ABHIVYAKTI, TALENT SHOWof UIET, KUK.