

MANNI KUMAR

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To have a growth oriented and challenging career, where I can contribute my knowledge and skills to the organization and enhance my experience through continuous learning and teamwork.

EXPERIENCE

AUG.2022 – NOW

ASSISTANT PROFESSOR, CHANDIGARH UNIVERSITY, GHARUAN, PUNJAB

AUG.2019 – MAY.2022

TEACHING ASSISTANT, CHITKARA UNIVERSITY

- Mentor and counsel students with academic problems, or special academic interests.
- Upload attendance and sessional test marks.
- Observe and evaluate student's work to determine progress and make suggestions for improvement.
- Performed exam duties and placement cell duties.
- Research work and Publications.
- Prepared and maintained academic documents.

JAN.2018 – MAY.2018

NETWORK OPERATION CENTER, QUADRANT TELEVENTURE LTD.

- Monitoring the network for problems that require special attention, including those originating from outside sources.
- Incident response, including managing power failures and communication line issues.
- Big Data Management and report preparations.

PUBLICATIONS

SCI INDEXED JOURNAL

- Manni Kumar, Nitin Goyal, Ramy Mohammed Aiesh Qaisi, Mohd Najim, Sachin Kumar Gupta, (2022) "Game theory-based hybrid localization technique for underwater wireless sensor networks", *Transactions on Emerging Telecommunications Technologies*, e4572. DOI: doi.org/10.1002/ett.4572
[SCI I.F. 2.63, Scopus H-Index 51] (**Published**)

- Savita Khurana, Gaurav Sharma, Manni Kumar, Nitin Goyal, Bhanu Sharma (2022) “Reliability-based Workflow Scheduling on Cloud Computing with Deadline Constraint” *Wireless Personal Communications*. [SCI I.F. 2.017, Scopus H-Index 65] [**Submitted after Revision**]
- Manni Kumar, Nitin Goyal, (2022) “Analysis and Performance Evaluation of Computation Models for Node Localization in Deep Sea using UWSN”, *International Journal of Communication Systems – WILEY*. [SCI I.F. 1.88, Scopus H-Index 52] (**Communicated**)

SCOPUS INDEXED JOURNAL

- Osho Gupta, Manni Kumar, Aadil Mushtaq, Nitin Goyal, (2020). “Localization schemes and its challenges in underwater wireless sensor networks”. *Journal of Computational and Theoretical Nanoscience*, 17(6), 2750-2754. DOI: 10.1166/jctn.2020.9116 [H-Index 52] [**Published**]

CONFERENCES (SCOPUS INDEXED)

- Manni Kumar, Nitin Goyal, Vikas Khullar, (2022) “Emerging Node Localization State-of-Art Techniques Classification with Comparative Analysis in UWSNs”, 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE. IEEE. [**Published**]

BOOK CHAPTERS

- Manni Kumar, Osho Gupta, Shikha Rani, (2021) “Firewall in Underwater Wireless Sensor Network”, Energy efficient Underwater Wireless Communication and Networking, IGI GLOBAL, Book Chapter. ISBN: 9781799836407, DOI: 10.4018/978-1-7998-3640-7.ch008 [**Published**]
- Mamta Nain, Nitin Goyal, Manni Kumar, (2022) “Machine Learning Effects on Underwater Applications and IoUT”, Machine Learning Paradigm for Internet of Things Applications, WILEY, Book Chapter. ISBN: 9781119760474, DOI: 10.1002/9781119763499.ch12 [**Published**]

PATENTS

| S. no. | Title | Patent No. | Date |
|--------|--|--------------|----------------------------|
| 1. | System and device for monitoring underwater wireless sensor network-based applications | 202211026256 | 05 th May, 2022 |

| | | | |
|----|--------------------------------------|--------------|----------------------------|
| 2. | 2 in 1 Thermos bottle | DSGN/IN/1553 | 27 th Apr, 2022 |
| 3. | Wall mounted mesh urinal pot | DSGN/IN/1357 | 7 th Feb, 2022 |
| 4. | Feeding bottle cum Storage box | DSGN/IN/1216 | 28 th Dec, 2021 |
| 5. | Multiuse diary | DSGN/IN/1180 | 28 th Oct, 2021 |
| 6. | Nail Paint Bottle with paint remover | DSGN/IN/1215 | 10 th Nov, 2021 |

REVIEWER

- International Conference on Current development in Engineering and Technology (CCET-2022)
(Organized by IEEE)

MEMBERSHIPS

- International Association of Engineers (IAENG)
- Research Gate
- Computer Science Teachers Association (CSTA)

EDUCATION

MAY 2022

M.E (CSE), CHITKARA UNIVERSITY, RAJPURA, PUNJAB

8.9 CGPA

(**Subjects Read:** Programming in Python, Research Methodology, Programming in R, Data Warehouse and Mining, Advance Computer Networks, Digital Image Processing, Intellectual Property Rights and Publishing Research, Data Structure, etc.)

MAY 2018

B. TECH (ECE), GLOBAL INSTITUTE, AMRITSAR

86.75%

(**Subjects Read:** Basic Electrical and Electronics Engineering, Digital Communication Systems, Digital Circuit and Logic Design, Analog Devices and Circuits, Network Analysis and Synthesis, Digital Signal Processing, Linear Integrated Circuit, Data Structure, Embedded System, Optical Communication, Operating System, Wireless Communication System, Signal & System, Pulse Wave Shaping and Switching Fundamentals of Computer Programming and IT, VLSI Design, Microwave and Radar Engineering, etc.)

MAY 2014

12TH, S.S.S.S. KH. SEN. SEC. SCHOOL, AMRITSAR

82.8%

MAY 2012

10TH, S.S.S.S. KH. SEN. SEC. SCHOOL, AMRITSAR

82.2%

SKILLS

- C Language
- MySQL
- R Programming
- Photopea
- Computer Hardware and troubleshooting
- MS word, MS Excel, PowerPoint
- Python

HOBBIES

- Pencil Sketching
- Play Chess
- Listen to Music

STRENGTH

- Creative Thinker
- Problem Solver
- Quick Learner
- Eager to Learn New Things

LANGUAGES

- English
- Hindi
- Punjabi
- Bhojpuri