

## Suniti Purbey (PhD Pursuing)

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### Personal Details

**Date of Birth:** 15/10/1991

**Permanent Address:** D/O Mr. Om Prakash Purbey, Bajitpur, Manigacchi, Darbhanga, Bihar- 847422

**Current Address:** C-7 ,C Block, Girls Hostel, Amity University Chhatisgarh, Raipur

**Date of Joining:** 23/08/2018 till date

- **Status as on date of Joining:** Asst. Prof. Amity Institute of Information Technology, Amity University Chhatisgarh, Raipur
- **Worked as a Visiting Faculty at Amity University Mauritius from 7<sup>th</sup> December 2021 till date.**

**Date of Joining:** 22/08/2014

- **Status as on date of Joining:** Asst. Prof. G. H. Raisoni College of Engineering & Management, Chas, Ahmednagar (Pune University)

### Qualifications

- 1) **Phd Pursuing** (Use of Pervasive Framework & Refined Data Retrieving Techniques for Solving Heterogeneity Problems in IoT Based Information Systems for Healthcare Industry) in **Computer Science & Engineering from Amity University Chhatisgarh, Raipur. (Registered in 2019)**
- 2) **ME. (Computer Science and Engineering), 2014**
  - From G.H.R.C.E, Nagpur, An autonomous institution Affiliated to RTMNU Nagpur University
  - Percentage:- 8.41 CGPA
  - Title of Thesis: “**Wireless Node Control & Statistic Monitoring of Smart Home Lightening Using Web Enabled Interface**”.
- 3) **BE.(CSE), 2012**
  - From Priyadarshini. Bhagwati Chaturvedi College of Engineering
  - Percentage:-60.04%

## Teaching Experience (8.9 years)

- **Worked as a Visiting Faculty at Amity University Mauritius from 7<sup>th</sup> December 2021 till date.**
- 4 years of Academic experience in Amity Institute of Information Technology, Amity University Chhattisgarh, Raipur
- 4 years of Academic experience in G.H. Rasoni College of Engineering and Management, Ahmednagar, SPPU Pune University as an Assistant Professor. (SPPU Pune university Approval – (CCO/3157)
- 1 year of experience in G.H. Rasoni College of Engineering, Nagpur as a Teaching Assistant.

## Research Details

S. No	Title	Journal Name	Date	ISSN No.
1.	Sickle Cell Anemia Using Image Dissection Technique	International Journal of Emerging Trends in Engineering & Development	10 Dec 2018	2249-6149
2.	Review on Fault Tolerance in Wireless Sensor Network	International Journal of Computer Application	Volume 182 – No. 45, March, 2019	09758887
3	A Review On Manet (Mobile Ad Hoc Network)	International Journal of Emerging Trends in Engineering and Development	Issue 9, Vol.1 (January 2019)	ISSN 2249-6149
4	Review Paper on Aptamers for Cancer Diagnosis	Research Direction	May 2019	2311-5488
5	Iot-Based Advance Home Automation System Using Smart Phone	International Journal of Engineering Technology Research & Management IJETRM	Volume (01) Issue (03) March 2017	Volume-1 Issues 03, March-2017
6	Review Paper on Ranking of Images Based on Caption on Social Media	International Research Journal of Engineering and Technology (IRJET)	Volume: 04 Issue: 04   Apr - 2017	e-ISSN: 2395 - 0056 p-ISSN: 2395-0072
7	Network Buddy: WLAN Monitoring and Controlling Using Smart phone	International Journal of Scientific Research and Reviews	Vol. 8 Issue 2, April-June, Issue 2019	ISSN: 2279-0543
8	Controlling and Monitoring of Wireless Home Lightening system using Web Enabled Interface	International Journal of Emerging Trends In Engineering And Development	Issue 4, Volume 3, April- May 2014	ISSN NO.:2249-6149
9	Use of Data Mining Technique in Unstructured Data of Big Data	International Journal of Innovative Research in Computer and Communication Engineering	Vol. 5, Issue 5, May 2017	ISSN(Online): 2320-9801 ISSN (Print): 2320-9798
10	Wireless Node Control and Monitoring System For Smart Home Lightening Using Web Enabled Interface	International Journal of Advanced Technology & Engineering Research (IJATER)	2014	ISSN No: 2250-3536
11	Innovation Opportunity for 5G Technologies: A Survey	International Journal of Emerging Trends in Engineering and Development (UGC LISTED)	Issue 10, Vol.5 (Oct-Nov 2020)	ISSN 2249-6149
12	Challenges & Security in Internet of Medical Things (IoMT) using IoT – A Review	High Technology Letters (SCOPUS INDEXED)	Volume 26, Issue 11, NOVEMBER 2020	ISSN NO: 1006-6748
13	Green Internet of Things(IOT) : A survey and future Prospect	International Research Journal of Engineering and Technology (UGC LISTED)	Volume 8 Page no: 1947-1955 19-04-2021	ISSN NO: 2395-0056
14	Review paper on ethical hacking	International Research Journal of Engineering and Technology (UGC LISTED)	Volume 8 Page no: 2158-2160 21-04-2021	ISSN NO: 2395-0056
15	Driver Detection of Accident Avoidance (IOT): A Review Paper	International Research Journal of Engineering and Technology	Volume 8	ISSN NO: 2395-0056

		(UGC LISTED)	Page no: 2943-2945 4-04-2021	
16	Review paper on IOT based automatic vehicle accident detection and messaging system	International Journal of Creative Research Thoughts (UGC LISTED)	Volume 9 Page no: 1869 - 1871 13-04-2121	ISSN NO: 2320-2882
17	Review Paper on IoT Needs in Human Life	International Journal of Creative Research Thoughts (UGC LISTED)	Volume 9 Page no: 1872-1874 17-04-2021	ISSN NO: 2320-2882
18	Need of Security in IOT: A Review	International Research Journal of Engineering and Technology (UGC LISTED)	Volume 8 Page no: 3263-3264 26-04-2021	ISSN NO: 2395-0056
19	Review Paper on IOT Based Weather Reporting System	International Research Journal of Engineering and Technology (UGC LISTED)	Volume 8 Page no: 3407-3409 27-04-2021	ISSN NO: 2395-0056
20	Study of Cloud Computing and its Data Storage Security Issues	International Research Journal of Engineering and Technology (UGC LISTED)	Volume 8 Page no: 2464-2467 25-04-2021	ISSN NO: 2395-0056

S. No	Title	National/ International Conference/ Seminar Name	ISBN / Date
1.	Efficient Algorithm to Find Frequent Item Set Using Data Mining	National Conference on Emerging Trends & Engineering Technology	ISBN: 978-93-85525-50-6 12-13 Feb 2019
2.	IoT Based Smart Security & Home Automation System	National Conference on Emerging Trends & Engineering Technology	ISBN: 978-93-85525-50-6 12-13 Feb 2019
3.	Security Issues In MANET	National Conference on Emerging Trends & Engineering Technology	ISBN: 978-93-85525-50-6 12-13 Feb 2019
4.	Wireless Sensor Networks Meets Robots	National Conference on Emerging Trends & Engineering Technology	ISBN: 978-93-85525-50-6 12-13 Feb 2019
5	Wireless Node Control and Monitoring System Using Web Enabled Interface	2014 Fourth International Conference on Communication Systems and Network Technologies IEEE (978-1-4799-3070-8/14 \$31.00 © 2014 IEEE DOI 10.1109/CSNT.2014.30)	April 2014
6	Manet- its Types and Applications- A Review	International Conference Techno-A-Tech 2018 on Engineering, Science and Technology: Ideas, Innovations and Initiatives	ISBN: 978-93-5321-886-7 26-27 Oct 2018
7	Analyzing frameworks for IoT data storage, representation and analysis: A statistical perspective	International Conference on Image Processing and Capsule Networks” in association with King Mongkut’s University of Technology, Thonburi, Thailand, Dayeh university, Taiwan & Tribhuvan University, Nepal during 27 – 28 MAY 2021 at Bangkok, Thailand ( <b>Springer Scopus</b> )	27 – 28 MAY 2021 at Bangkok, Thailand
8	New Symmetric Key Cryptographic Algorithm- A Experimental Approach	International Conference on Innovations in Smart Technology, Advanced Materials and Communication Engineering (ISTAMCE 2021	09th June 2021 at Amity School of Engineering and Technology, Amity University Madhya Pradesh, Gwalior. S.No: ISTAMCE2021 / CP / 182

## Research Experience

	Research Papers	Number
Journal		20
International Conference		04
National Conference		04
Total		28

	Category	Number
Conference Committee Member		02
Event Organization		03
Total		05

## Professional Memberships

1. Member **Indian Society for Technical Education** (ISTE life Member)-LM- 101768.
2. Member **International Association of Engineers** (LMIAENG 179687).
3. Student Membership of **CSI**.
4. **Institute of Scholar Professional** Membership (InSc20202789).
5. Member of the **Institute's Innovation Council**.

## Award Achieved

1. Achieved the certificate of **Research Excellence Award 2020** from **Institute of Scholars**.
2. **Filled a Patent Application** titled "**SYSTEM AND METHOD FOR AUTOMATIC DETECTION OF DEFECTS IN MANUFACTURING PRODUCT** " having Application No. **202111061882** on **30<sup>th</sup> December 2021**.
3. **Filled a Copyright Title: 'DESIGN OF BANDPASS FILTER FOR ULTRA-WIDEBAND APPLICATIONS'** Dairy No - **7855/2022-CO/L**, Date of filing- **13/04/2022**.
4. **Completed the Lean Six Sigma Foundation Course** offered by **Amity University Haryana and Commonwealth Educational Media Centre for Asia (CEMCA)**.

## Continuing Education: STTP, Workshop, Seminars Attended and Extra Curricular Activities

- 1) Awarded the certificate of achievement for the successful completion of five days Faculty Development Program on “Emerging Technology in Industry 4.0” organized by Amity School of Engineering & Technology Raipur on 14<sup>th</sup> – 18<sup>th</sup> June 2021 at AUC, Raipur.
- 2) Awarded the certificate of achievement for the successful completion of five days Faculty Development Program on “Coping the Pandemic Through Positive Affirmation” organized by University Chhattisgarh, Raipur on 24<sup>th</sup> – 28<sup>th</sup> May 2021.
- 3) Awarded the certificate of achievement for attending the webinar on “WOMEN IN THE 21<sup>st</sup> CENTURY: OPPORTUNITIES AND CHALLENGES” organized by Amity Law School, AUC Raipur on 13<sup>th</sup> March, 2021 to commemorate the International Women’s Day, 2021.
- 4) Awarded the certificate of achievement for the successful completion of Step in Robotic Process Automation during GUVI’s RPA SKIL – A – THON 2020 on 31<sup>st</sup> May 2020.
- 5) Participated in National Webinar on “Impact of Covid-19 on employment in Organized and Unorganized sector of Chhattisgarh” conducted by Vivekanand Maha Vidyalaya, Raipur on 04-June-2020.
- 6) Participated in the Webinar on the topic “How to write a good Research Grant Proposal and Research Project Management” organized by Amity Science, Technology & Innovation Foundation (ASTIF) on 6th August 2020.
- 7) Participated in Cloud Summit. NXT (Cloud Summit 2020) a Workshop cum Bootcamp held on 9<sup>th</sup> October 2020 organized by Incubate IND.
- 8) Participated in ALNXT (The Global AI Submit) an initiative of Incubate IND held between 13<sup>th</sup> – 14<sup>th</sup> August 2020.
- 9) Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on

"Artificial Intelligence" from 2020-11-16 to 2020-11-20 at PANIMALAR ENGINEERING COLLEGE.  
Coordinator of MATLAB Workshop held in Amity University Chhattisgarh on September 9, 2018.

- 10) Organizing Secretary of National Conference on Emerging Trends & Engineering Technology held in Amity University Chhattisgarh, Raipur on Feb 12-13, 2019.
- 11) Organized a Workshop on Web Design in Amity University Chhattisgarh on April 10, 2019.
- 12) Hospitality Coordinator of International Conference on Bio-Pesticide BIOCICON held in in Amity University Chhattisgarh on March, 2019.
- 13) Hospitality Coordinator of NCW Sponsored National Conference on Cyber Crime & Women: Precautions & Strategies held in in Amity University Chhattisgarh on March 28-29, 2019.
- 14) Attended 7 days National Level workshop on "Android" at GHRCE, Nagpur organized by IIT Mumbai (Feb 2013)
- 15) Attended 1-week workshop on "Research Methodologies" at GHRCE, Nagpur. (Feb 2013)
- 16) Session chair in "ICTRPS" GHRCEM, Ahmednagar. (Feb 2015).
- 17) Coordinator in College NAAC Work (Criteria 7).
- 18) Attended Induction Program Organized by "Raisoni Academy of Human Excellence".
- 19) Winner of Table Tennis in college level games.
- 20) District Champion of Table Tennis.
- 21) National level participation of Table Tennis.
- 22) Attended 200 hrs. Training Program on "Capacity Building" conducted by RAHE (Raisoni Academy of Human Excellence).
- 23) Attended 2 week ISTE STTP on "Introduction to Design of Algorithms" conducted by IIT Kharagpur, from 25<sup>th</sup> May to 30<sup>th</sup> May 2015.
- 24) Speaker of Motivational Program for School Teachers "Teacher in YOU" organized by "Raisoni Academy of Human Excellence".

### Portfolio handled in last 8.9 years

- 1) Organizer of National Conference at Amity University Chhattisgarh
- 2) Red Hat Coordinator
- 3) Class In charge
- 4) Departmental Examination coordinator
- 5) NAAC Criteria-4 (Infrastructure & Learning Resources) Departmental coordinator
- 6) Admission Committee Member
- 7) ICTRPCS: Committee member
- 8) Lab In charge
- 9) Faculty Coordinator Forum
- 10) Faculty Coordinator Antaragni (College Gathering)
- 11) Departmental Online Exam coordinator
- 12) Pillar 4 Coordinator (Student Value Enhancement)
- 13) Raisoni Academic Monitoring System College Co-ordinator.



**Date:**

**Signature:**