



## **Work Experience (Total Experience – 21 years)**

**St. John College of Engineering and Management (8, November till date)**

- **Associate Professor and Head (IT Department)**

### **Job Profile**

- Teach courses of B. Tech (IT) as per the load requirements
- Overall administration of the department

**Amity University, Mumbai (23, February 2016 till date)**

- **Assistant Professor (February 2016 till date)**

### **Job Profile**

- Have taught computer networks course to B.Sc(H) students at **Amity Institute of Higher Education, Mauritius.**
- Teach core courses of **B. Tech / M.C.A/ M.Tech** as required.
- Prepare strategic plan for each semester
- Prepare academic plan for each semester
- Ensure that semester progresses as per the academic plan
- Overall management of teaching and non-teaching staff in the institute
- Configuring course and student related activities on Amizone, the intranet of Amity University.
- Member Academic Council
- Member of various Core Committees of Events Organized by University

**Amity University, Lucknow, Uttar Pradesh (31, August 2005 till 16, February 2016)**

- **Assistant Professor (July 2012 till February 2016) – 3 Years 6 Months**
- **Sr. Lecturer (July 2010 to July 2012) – 2 Years**
- **Lecturer (August 31, 2005 to July 2010) – 4 Years 11 Months**

### **Job Profile**

- Teach courses of **B. Tech / M.C.A/ M.Tech** as required.
- Courses taught include **nearly all core subjects of Computer Science and various specialized courses launched by University** to make students industry ready during my association with the Amity University.
- Guided students of MCA and M. Tech in their dissertation and summer training projects.
- **Member End Semester Examination Committee (July 2010 till February 2016)**
  - Responsible for coding of answer sheets during end semester examinations.
  - Manage a team of 12-16 people for this job during examinations.
- **Assistant Proctor (July 2010 till July 2015)**
  - Ensuring student's discipline and code of conduct for maintaining good academic environment.
  - Ensuring smooth conduct of examinations.
  - Enforcing discipline and control students of the department in various events organized by the department.
- **Dy. Dean Student Welfare (July 2011 till February 2016)**
  - Facilitate boarding of hostellers that includes ensuring that the quality facilities offered by the University are being extended to them.
  - Ensure academics, sports, medical aid and security facilities are provided to students.

- Address student grievances related to hostels, academics etc. at department level vide meetings of students, administrative staff and hostel wardens held at frequent intervals.
- Helping students of the department in getting fee concessions and stipends or scholarships.
- Organizing the annual sport event at department level.

## **UPTEC Computer Consultancy Ltd., Allahabad (November 1999 till August 2005)**

- **Systems Officer(June, 1999 to December, 2004)**
- **Senior Systems Officer(December, 2004 to August, 2005)**

### **Job Profile**

- Teach subjects of O, A and B level courses of DOEACC.
- Teach courses of BCA/MCA/B.Sc courses of Uttar Pradesh Rajarshi Tandon Open University, Allahabad and Integral University, Lucknow.
- Teach professional courses like A+ certification of hardware launched by organization.

### **Head Technical Support Group, Allahabad Offices**

- Maintaining a network of 115 computers including one advanced windows 2000 server, one SCO Unix server and one oracle 9i application server.
- Keeping Track Of all hardware and software assets used at the Allahabad office.
- Ensuring that various reports and other information in above context are sent correctly to head office at proper time.
- Ensuring that all the computers are in working condition which also involved supervision of engineer responsible for maintaining hardware

- Performing various jobs related to hardware troubleshooting and network administration.

## **Head Corporate Trainings, Allahabad Branch**

- Plan, coordinate and teach basic and advanced trainings organized for staff of various government organizations.
- Supervision of a marketing executive in sending quotations, pursuing proposals to acquire corporate trainings and collection of bills from the organizations after completion of the training .The names of a few organizations for which the training was conducted are
  - UP Excise
  - State Institute of Science Education
  - State Institute of Education
  - Directorate of Higher Education
  - UP Forest Corporation Ltd.
  - UP Housing Development Corp.
  - Northern Central Railway
  - Recron Synthetics Ltd.
  - Botanical Survey Of India, Allahabad Circle.
  - CAC, Headquarter, Bamrauli , Allahabad .
  - New India Assurance
  - CMP Degree College, Allahabad.
  - UP Rajarshi Tandon Open University

## **Awards and Accolades**

- “*Global Research Expert – 2023*” award jointly presented by *eSkillGrow Virtual University Int’l LLC., USA* and *Crown University Int’l Chartered Inc. (CUICI), USA*.

## **Patent Publications**

- Dr. Arun Saxena, Mr. Sourabh Kishore Sharma, Mr. Mishra Adarsh Dinesh, Mr. Mahto Monu Sumendra, Mr. Chaphekar Abhishek Shashikant, St. John College of Engineering and Management, “Smart Location Identification Through Geofencing Using IoT”, *Status – Published*
- Dr. Arun Saxena, Ms. Linda Mary John, Mr.Samarth Pandit, Mr. Meet Sanjay Solanki, Mr. Dharmik Desai, St. John College of Engineering and Management, “Smart Drainage System Using IoT”, *Status – Published*
- Dr. Arun Saxena, Mr. Sandeep Patil, Aishwarya Ingale, Akash Vinod Harad, Prajwal Premanand Kotian, St. John College of Engineering and Management, “Accident Detection and Smart Rescue System”, *Status – Published.*
- Dr. Arun Saxena, Mr. Sandeep Patil, Mr. Reenav Hemaria, Mr. Shubham Naik, Mr, Siddhesh Chavan, St. John College of Engineering and Management, “Smart Morning Alarm”, *Status – Filed*

### **Research Paper Publications**

- 1) Surendra Rahamatkar, S. Qamar, Suddep Tanwar & Arun Saxena, “MPI Messaging Structure for Mobile Adhoc Network” International Journal of Hybrid Computational Intelligence Vol. 1 No. 2 July-December 2008; pp. 215-224.
- 2) Arun Saxena, A.K.Sharma, “An Agent Based Distributed Security System For Intrusion Detection In Computer Networks” International Journal of Computer Applications, Vol. 12, No. 3, pp. 18-27, ISSN No. – 0975-8887. [Scopus Indexed]
- 3) Arun Saxena, Manuj Darbari, Surendra Rahamatkar, “A Robust Single Hop Tree Structured Time Synchronization Protocol For Wireless Ad-Hoc Sensor Networks”, International Review On Computers And Software (IRECOS), Vol. 10, No. 10, pp. 1037-1043, ISSN No. – 1828-6003, October 2015. [**Scopus Indexed**]
- 4) Arun Saxena, Manuj Darbari, Surendra Rahamatkar, “Multi Hop Time Synchronization Protocol For Wireless Ad-Hoc Sensor Networks”, International

Review On Computers And Software (IRECOS), Vol 11, No. 6, pp. 521-529, ISSN No. – 1828-6003, June 2016. [**Scopus Indexed**]

- 5) Arun Saxena, Manuj Darbari, “A Hop Based Distance Estimation Approach for Localization of Nodes in Tree Structured Wireless Adhoc Sensor Networks”, Advances in Computational Sciences and Technology, Vol. 10, No. 4, pp. 481-499, ISSN No. - 0973-6107 ICI Indexed, (**Journal is listed in UGC Approved Journal List January 2017**)
- 6) Dr. Shagun Srivastava, Shaunak Rawke, Dr. Arun Saxena, “Predicting Consumer’s Intention to Write Online Movie Review: A Structural Equation Modelling Approach”, International Journal of Mechanical Engineering, Vol. 6, No. 3, 3637-3644, December 2021. [**Scopus Indexed**].
- 7) Arun Saxena, “Trends and Development in Time Synchronization Methods in Wireless Adhoc Sensor Networks: A Review”, International Journal of Mechanical Engineering, Vol. 6, No. 3, 3649-3657, December 2021 [**Scopus Indexed**].
- 8) Dr. Shagun Srivastava, Jigar Panchal, Shobit Gopalkrishnan, Dr. Arun Saxena, “Sustainability Analysis in Smartphones: A Feature Specific Approach”, International Journal of Mechanical Engineering Vol. 7, No. 1, 7044-7054, January 2022. [**Scopus Indexed**].
- 9) Arun Saxena, “Localization Approaches and Methods in Wireless Adhoc Sensor Networks: A Review”, Vol. 7, No. 2, 4270-4280, February 2022. [**Scopus Indexed**].
- 10) Saxena, A. (2022). “Blockchain Grounded Electronic Record for Healthcare Monitoring System”. International Journal of Health Sciences, 6(S1), 3414–3423. <https://doi.org/10.53730/ijhs.v6nS1.5495>. [**Scopus Indexed**].
- 11) Saxena, A. (2022). “Diabetics Predicting Trick Exploits Using IoT (Internet of Things) and Machine Learning Algorithms-Study”. International Journal of Health Sciences, 6(S1), 3424–3429. [**Scopus Indexed**] <https://doi.org/10.53730/ijhs.v6nS1.5496>.
- 12) Keshav H. Jatkar, Gopal Mulgund, A. D. Patange, B.B. Deshmukh, Kishor S. Rambhad, Arun Saxena, Vijay Kalbande, Vibration Monitoring System Based

on ADLX335 Accelerometer and Arduino Mega2560 Interface, Journal of Algebraic Statistics, Vol 13, No. 2, 2291-2301, 2022.[ESCI Indexed].

12) Pandarinath A. Ghonge, G. Mulgund, B. Godbole, Nilesh Deotale, Arun Saxena, Kushal R. Tuckley, “Development of Rainfall Measurement System Using Digital Image Processing Based Multi-Sensor Approach”, Vol 13, No. 2, 1811- 1828, 2022. [ESCI Indexed].

13) Mr. Umakant Dinkar Butkar, Dr. Pradip Suresh Mane, Dr Kumar P K, Dr. Arun Saxena, Dr. Mangesh Salunke, “Modelling and Simulation of symmetric planar manipulator Using Hybrid Integrated Manufacturing”, Vol. 29, No. 1, Computer Integrated Manufacturing Systems, DOI: 10.24297/j.cims.2023.1.33

### **Conferences/Workshops/FDPs Organised**

- Organized a Three Day Workshop (Certified Ethical Hacking Expert Level 1 ) On Ethical Hacking in association with TechDefense , Ahmedabad, and Amity University, Lucknow Campus, February 2011
- Was a member of Core Organizing Committee of National Conference on Information and Cyber Security, Amity University, Noida, Lucknow Campus February 2013.
- Organized a ten days Workshop on Probability and Statistics for Scientists and Engineers, Amity University, Maharashtra.
- Coordinated National Conference on Machine Learning, Amity University, Maharashtra, March 2019.
- Conducted Webinars on Internet of Things, Amity University, Maharashtra, May 19, 2020.
- Conducted Webinars on Internet of Things, Amity University, Maharashtra, June 2020.

### **Conferences/Workshops/FDPs Attended**

- Seminar on Image And Video Processing, Amity University, Lucknow Campus, 2015



- Symposium on Cloud And Information Security, Amity University, Lucknow Campus, 2015
- International Information Security Meet Organized by Open Web Application Security Project (OWASP), Amity University, Lucknow Campus, February 2015.
- International Information Security Meet Organized by DEFCON, Amity University, Lucknow Campus, February 2015.
- 42<sup>nd</sup> National Management Convention Organized By AIMA, New Delhi, 2015.
- Seminar-Cum-Workshop On Optical Communication, Amity University, Lucknow Campus, April 2015.
- **“Localization Approaches and Methods in Wireless Adhoc Sensor Networks: A Review”** at the 7<sup>th</sup> International Conference on IT & Business Intelligence, Goa, India, 21-23 January, 2016.
- **“Trends and Development in Time Synchronization Methods in Wireless Adhoc Sensor Networks: A Review”** at the 7<sup>th</sup> International Conference on IT & Business Intelligence, Goa, India, 21-23 January, 2016.
- Attended a three day FDP in Teaching Methodology and Pedagogy, Amity University, Maharashtra, 2016
- Attended a half day FDP in MatLab Simulink, Amity University, Maharashtra, 2016
- Attended a one day NAAC/IQAC Workshop, Amity University, Maharashtra, 2016
- Attended a ten days Workshop on Probability and Statistics for Scientists and Engineers, Amity University, Maharashtra.
- Session Chair in International Conference on Advancements in Interdisciplinary Research (ICAIR - 2020) organized by Forum for Interdisciplinary Research in Mathematical Sciences & Beena Mahavidyalaya, Jaipur, July 24-26, 2020.
- Invited talk in International Conference on Advancements in Interdisciplinary Research (ICAIR - 2020) organized by Forum for Interdisciplinary Research in Mathematical Sciences & Beena Mahavidyalaya, Jaipur, July 24-26, 2020.

## **Projects**

### **(1) ERP Implementation**

- **Location: Bharat Coach Builders Pvt Ltd**
- **Estimated Project Cost : Rs. One Lakh excluding hardware cost**
- **Modules To Be Implemented**
  - CRM
  - Marketing
  - Inventory
  - Production Planning
  - Sales
  - Accounting

### **(2) Maintenance of Web Site**

- **Location : UPSC, Allahabad**
- Coordinated web page publishing process of UPSC results on Internet for UPTEC Computer Consultancy Ltd, Allahabad.

### **(3) Applications for UP Karmachari**

- **Location: NIC, Lucknow Kalyan Nigam**
- This project involved development of applications for UP Karmachari Kalyan Nigam on behalf of National Informatics Center.

## **Project Proposal Submitted**

Modelling Cross Channel Effects for Analyzing the Impact of Negative Comments on Dissonance-Reducing Buying Behavior Using Agent based Machine Learning to Amazon

## **Achievements/ Honors**

- Was selected as Additional Officer for **Lok Sabha elections April 2019** at NIC, Alibagh, Maharashtra.
- **Was a faculty at UPTEC Computer Consultancy Ltd , Allahabad when it was ranked best DOEACC “A” level institute in India** and was awarded for the same

by Department of Information Technology, Ministry of Communication and Information Tech., Govt. of India.

- As technical support group head at UPTEC Computer Consultancy Ltd., Allahabad had ensured that machine downtime is never more than 1 day under any circumstances.
- **Have delivered lectures on “Gyan Vandī”, All India Radio for students of Rajarshi Tandon National Open University studying at remote locations.**

### **Personal Profile**

Date Of Birth	:	July 31, 1974
Languages Known	:	English and Hindi
Sex	:	Male
Nationality	:	Indian
Father’s Name	:	Mr. D.C Saxena
Permanent Address	:	C-41, Sector CS, Aliganj Extension, Lucknow.