

# ADITYA TANDON



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## WORK EXPERIENCE

Working as Assistant Professor in the Department of Information Technology at Ch. Brahm Prakash Government Engineering College, Jaffarpur, New Delhi – 110073 since 10<sup>th</sup> October, 2013.

## INNOVATIONS IN TEACHING - LEARNING PROCESS / PROCTORING

- ELIADEMY LMS for the following courses:
  - ETCS-108 Introduction to Programming (<https://eliademy.com/app/a/courses/1081e444ed>)
  - ETEC-406 Ad Hoc and Sensor Networks (<https://eliademy.com/app/a/courses/63258ce33a>).
- YouTube<sup>®</sup> channel “C for Yourself” ([https://www.youtube.com/channel/UC9aI61j2OtICfHK7UX-L\\_6A](https://www.youtube.com/channel/UC9aI61j2OtICfHK7UX-L_6A))
- Created Facebook<sup>®</sup> groups for interaction with the students for various batches.
- Delivered Webinar(s) from CITRIX WEBINAR<sup>®</sup>
- Interacted with IIT Bombay via BodhiTree<sup>®</sup>.

## ADMINISTRATIVE ASSISTANCE

- Incharge, Examination Cell, CBPGEC since November, 2016 – responsible for conducting Internal Theory and External Practical Examinations.

## ACADEMIC QUALIFICATION

CLASS	YEAR	BOARD/UNIVERSITY	PERCENTAGE
M. Tech. CS & E	2013	Amity University, Noida	71.60
B. Tech. CSE	2010	Rajasthan Technical University, Kota	73.24
XII	2006	C.B.S.E	74.00
X	2004	C.B.S.E	75.80

## TECHNICAL SKILLS

Programming Languages: C, C++, Java

Network Simulators: OMNET++, NS2, Packet Tracer 5.3.3, MATLAB, GNS3

## PROJECTS EXECUTED

### B. Tech. Industrial Training (Minor Project):

Company Name: MITBOTS – Delhi

Platform : Embedded Systems & Robotics

Period : 25 days (2009).

Project Title : “Obstacle Avider” (Using PIC18F4550 Microcontroller Programming)

### B. Tech. Industrial Training (Major Project):

Company Name : DUCAT Noida

Platform	: CORE PHP
Period	: 28 days (2010)
Project Title	: “College Management System”
<b>M. Tech. Industrial Training:</b>	
<u>6 – Week Training:</u>	
Company Name	: National Institute of Electronics and Information Technology (NIELIT)
Topic	: CCENT (CCNA Discovery Modules I and II)
Period	: 52 days(2012)
Project Title	: Inter-LAN Routing using VLSM and the OSPF Routing Protocol (Using Packet Tracer 5.3.3)
<u>6 – Month Training:</u>	
Company Name	: CMC Limited (Delhi Office)
Topic	: CCNA (Cisco Certified Network Associate)
Period	: 20 weeks (2013)
Project Title	: Route Redistribution (Using Packet Tracer 5.3.3 and GNS3)

## RESEARCH EXPERIENCE

Field	: Wireless and Ad-hoc Networking
Topic	: A Novel Positioning Technique for 3D Underwater Sensor Networks
Duration	: 24 weeks (2013)

## RESEARCH PUBLICATIONS

- **“CLASSIFICATION AND ANALYSIS OF SECURITY ATTACKS IN WSNS AND IEEE 802.15.4 STANDARDS: A SURVEY”** at 3<sup>rd</sup> International IEEE Conference on Advances in Computing, Communication & Automation (ICACCA-2017) held at Tula’s Institute, Dehradun (India) on September 15 and 16, 2017, The same is to be published in the Proceedings at IEEE Explore Digital Library soon.
- **“SOFTWARE COST ESTIMATION MODELS AND TECHNIQUES: A SURVEY”** in the Volume 3 – Issue 2 (February 2014) in the International Journal of Engineering Research and Technology (IJERT).
- **“SURVEY ON EFFICIENT POSITIONING MECHANISMS IN AQUATIC ACOUSTIC SENSOR WEBS (AASW)”** at 2013 International Conference Machine Intelligence Research and Advancement (ICMIRA) held at Shri Mata Vaishno Devi University, Katra (Jammu), J&K, India on Dec 21 – 23, 2013. The same was published in the Proceedings at IEEE Explore Digital Library.
- **“NOVEL LOCALIZATION SCHEME FOR 3D UW-ASNs”** in the Volume 3 – Issue 6 (June 2013) in the International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE).
- **“LOAD BALANCING TECHNIQUE IN SOA - VN AND PERFORMANCE ANALYSIS”** at 4<sup>th</sup> International IEEE Computational Intelligence and Communication Networks (CICN) Conference held at GLA University, Mathura, UP, India on November 3 – 5, 2012. The same was published in the Proceedings at IEEE Explore Digital Library.

## FDPs ATTENDED

- 2-week FDP on **“EMERGING TRENDS IN COMPUTER SCIENCE AND IT”** at BVICAM, New Delhi from 15<sup>th</sup> to 27<sup>th</sup> May, 2017.
- 2-Day FDP on **“LEVERAGING TECHNOLOGY FOR QUALITY EDUCATION”** in collaboration with **ISTE Delhi Section** at BVICAM, New Delhi from 27<sup>th</sup> to 28<sup>th</sup> February, 2017.

- 2-week FDP on “**EMERGING TRENDS IN COMPUTER SCIENCE AND IT**” at BVICAM, New Delhi from 16<sup>th</sup> to 27<sup>th</sup> May, 2016.
- 1-week FDP on “**LATEST TRENDS AND RESEARCH IN MACHINE LEARNING**” at BVIMR Campus, New Delhi from 12<sup>th</sup> to 17<sup>th</sup> December, 2016.

## SEMINARS / WORKSHOPS ATTENDED

- Participated in the 2-Day NAAC National Workshop on **INNOVATION AND TECHNIQUES IN CURRICULUM DEVELOPMENT** from February 17<sup>th</sup> to 18<sup>th</sup>, 2017 at Graphic Era Hill University, Dehradun.
- Participated in the National Seminar on “**CYBERCRIME**” on February 27, 2016 at Gitarattan International Business School (giBS), Rohini, Delhi.
- Participated in the 2-Day National Workshop on **IMAGE PROCESSING AND OPTIMIZATION TECHNIQUES** from February 11<sup>th</sup> to 12<sup>th</sup>, 2016 at Amity School of Engineering and Technology (ASET), Bijwasan, Delhi.
- Participated in the National Seminar on “**NEW FRONTIERS IN COMPUTER SCIENCE RESEARCH**” on September 28, 2013 at Maharaja Surajmal Institute, Janakpuri, New Delhi – 58.
- Participated in the Special Session on “**FUTURE OF INTERNET**” in APRICOT 2012, New Delhi at Hotel Ashok (New Delhi) on February 25, 2012.
- Participated in the Robotics Workshop titled “**Basic Robotics & Introduction to Autonomous Robotics**” organized by MITBOTS at Jaipur Engineering College, Kukas held on April 16 – 17, 2009.
- Participated in the **PRAKSHEPASTRA (A Seminar on Missile Technologies)** conducted by Neuron '08 on October 19<sup>th</sup>, 2008 at Malaviya National Institute of Technology, Jaipur.

## CONFERENCES ATTENDED

- Attended the Confluence 2012 conference held at Amity University, Sector - 125, Noida, UP, India on Sept. 27 - 28, 2012.
- Presented the research paper entitled “**SOA-BASED NETWORK VIRTUALIZATION PARADIGM QOS PERFORMANCE ANALYSIS**” at the 2nd International Science Congress (ISC) organized by International Science Congress Association held at Bon Maharaj Engineering College, Vrindavan, UP, India on Dec 8 - 9, 2012.
- Attended “**THE IET INTERNET OF THINGS CONFERENCE**” held at Pragati Maidan, New Delhi, INDIA on September 10, 2015.

## CURRICULAR / CO-CURRICULAR EVENTS COORDINATED

- Training program for Lucideus Certified Cyber Security Expert, **HACK-X-PLOIT**, conducted at CBP Government Engineering College, Delhi.
- College Cultural Fest PROGECTION 2014 onwards.
- Farewell function for outgoing students 2014 onwards.

## PROFESSIONAL SERVICES OFFERED

- Reviewed research papers as the Technical Program Committee Member of IEEE International Conference on Machine Intelligence Research and Advancement (ICMIRA), 2013.

## MEMBERSHIPS



- International Association of Engineers (IAENG) – Membership #131182
- Internet Society (ISOC) – Registration #313848
- International Association of Computer Science and Information Technology (IACSIT) – Membership #80346754
- Computer Society of India – Membership #I1501481

## PERSONAL DETAILS



Date of Birth	19-04-1988
Nationality	Indian

## REFERENCES



Prof. V. K. Minocha  
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