

# ADITYA TANDON



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About me: <https://goo.gl/i1ooEz>

## 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.

## AWARDS & ACHIEVEMENTS

Awarded with “BEST PROFESSOR IN INFORMATION TECHNOLOGY” title by Business School Affaire & Dewang Mehta National Education Awards (Delhi Region) (<https://www.bschoollaffaire.com/Regional.html>) on 22<sup>nd</sup> December, 2017.

## 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 Avoider” (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”

### M. Tech. Industrial Training:

#### 6 – Week Training:

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)

#### 6 – Month Training:

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

- **“A COMPREHENSIVE SURVEY ON RANSOMWARE: A GROWING HAVOC CYBER THREAT”** at 2<sup>nd</sup> International Conference on Data Management, Analytics and Innovations (ICMDAI), 2018 held at Institute of Industrial and Computer Management & Research (IICMR), Pune, Maharashtra on January 19 – 21, 2018. The same is to be published in the Conference Proceedings under the Advances in Intelligent Systems and Computing (AISC) series of Springer.
- **“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 was published in the Proceedings at IEEE Explore Digital Library on 23<sup>rd</sup> April, 2017.
- **“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 December 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

- 5-day FDP on “**ANDROID DEVELOPMENT FUNDAMENTALS**” at USICT, GGSIPU from 18<sup>th</sup> to 22<sup>nd</sup> December, 2017.
- 2-day FDP on “**CYBER CRIME AND SECURITY**” at BVCOE, New Delhi from 11<sup>th</sup> to 12<sup>th</sup> December, 2017.
- 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 PROJECTION 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