

ANKIT MISHRA

Assistant Professor, (Amity School of Engineering and Technology)

Amity University, Raipur, Chhattisgarh

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PERSONAL DETAILS

Date of Birth: 05/02/1992

Marital Status: Married

Permanent Address: C-38, SEC-2, BAJAJ COLONY, NEW RAJENDRA NAGAR, 492006
RAIPUR, CHHATTISGARH

Current Address: C-38, SEC-2, BAJAJ COLONY, NEW RAJENDRA NAGAR, 492006
RAIPUR, CHHATTISGARH

Date of Joining: 31/08/2016

Status as of the date of Joining: Assistant Professor

Present Status: Assistant Professor (Amity School of Engineering and Technology)

Ph.D. Pursuing: (DESIGN AND ANALYSIS OF TANDEM PEROVSKITE SOLAR CELLS) in
Electrical Engineering from MATS UNIVERSITY Raipur. (Registered in 2020 Nov-Dec)

MTech - Nanotechnology (Specialization in Nano-electronics), 2016
From VIT University, Vellore, Tamil Nadu
Percentage: -7.6 CGPA

Title of Thesis: “Simulation of Perovskite Solar Cell with Cuprous Oxide as Hole Transporting layer and Graphene as Transparent Electrode”

BE – Electrical Engineering, 2013
From Government Engineering College Bilaspur, Chhattisgarh
Affiliated to CSVTU, Percentage: -63.28%

Title of Thesis: “Microbial Fuel Cell”

TEACHING EXPERIENCE (5 YEARS 8 MONTHS)

5 Years 8 months of Teaching experience in Amity School of Engineering and Technology as Assistant Professor.

The following subjects have been taught at the Postgraduate and Under Graduate level of the Engineering Faculty:

Postgraduate: Electrical Machines, Power Electronics, Advanced Embedded System, Microprocessor, Nanotechnology

Undergraduate:

Basic Electrical Engineering, Basic Electronics, Electromagnetic Field Theory, Control System, Microprocessor 8086/8085, Digital Electronics, Computer Architecture, Embedded System, Mechatronics, Electrical Machine, RPA, PLC

RESEARCH EXPERIENCE:

Intellectual Property Rights

Intellectual Property Rights	Numbers
IPR- Design Patent Registered	2
IPR – Copyrights Registered	6
IPR – Copyrights Fresh Filled	3

Research Paper	Numbers
International Journal (Peer Reviewed Journals)	21
International Conference	05
National Conference	16
Total	42
Conference Committee Member	05
Event Organization (Workshop)	12

MAJOR SCIENTIFIC FIELDS OF INTEREST

The graphene-based device, Lithium-ion Batteries devices, Solar cells, MEMS and NEMS, Opto-Electronics sensors, Transistors (Nano-electronics)

IPR- DESIGN PATENT REGISTERED

1) SOLAR POWERED BILLBOARD- Registered (Application Number: 354096-001)

2) SOLAR PARKING MANAGING DEVICE - Registered- (Application Number: 356465-001)

IPR – COPYRIGHTS REGISTERED

- 1) *Simulation of 3-d finite element analysis of bike crank- registered (1-95341/2020)*
- 2) *Designing of perovskite solar cell with cuprous oxide and meh-PPV as a hole transport layer in tandem cell structure- registered (1-102482/2020)*
- 3) *Simulation design and performance analysis of 2d dg MOSFET at channel lengths of 10nm and 15nm with aluminum oxide as a gate oxide layer and titanium as a metal gate – registered- 25018/2021-co/l*
- 4) *Simulation analysis of organic solar cell spin-coated with p3ht: PCBM active layer at 220 nanometers- registered- 22102/2021-co/l*
- 5) *Modeling and simulation analysis of two-dimensional dg MOSFET device at 200k, 300k, and 400k with a channel thickness of 3nm -registered - 26588/2021-co/l*
- 6) *Simulation analysis of ion-sensitive field-effect transistor channel length with hafnium as gate dielectric insulator material and silicon dioxide as passivation dielectric at 280 nanometres and 300 nanometres- filed – registered- 27246/2021-co/l*

PROFESSIONAL MEMBERSHIPS

- 1) Member IAENG (207187)

REFRESHER COURSE

- 1) *Stanford Center for Professional Development University, STANFORD UNIVERSITY, Executive Director – Paul Marca*
- 2) *Elsevier Researcher Academy*
- 3) *EDUCBA- SPSS GUI AND APPLICATIONS*

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

1. *“IEEE workshop on Compact Modelling” in IIT KANPUR*
2. *Amity Future Academy Certificate Refresher Courses in Social Media Marketing conducted by Amity University*
3. *Nanomaterials and its application 3 Hours Professional development Refresher course IEEE*
4. *5 Days STTP on Internet on Things (IoT) and its application conducted by D Y Patil Deemed University*
5. *One-Week Online Faculty Development Program on “SCILAB” organized by the Department of Electrical Engineering, Shri Vile Parle Kelavani Mandal’s Institute of Technology, Dhule in association with Indian Institute of Technology, Bombay Spoken Tutorial*
6. *5 Days FDP on “Python” International Institute of Professional Studies, Devi Ahilya University in IIT Bombay*
7. *5-Day Faculty development program on “Information Security and Privacy (ISP 2020)”, organized by the Department of Computer Science & Engineering, sponsored by ISEA-II, Motilal Nehru National Institute of Technology Allahabad, Prayagraj, Uttar Pradesh, India.*

8. *AICTE Training and Learning (ATAL) Academy Online FDP on "Novel Materials" from 2020-11-2 to 2020-11-6 at Shri Shankaracharya Technical Campus-Shri Shankaracharya Group of Institutions*
9. *INTERNATIONAL LECTURE SERIES ON RESEARCH AND INNOVATION Topic: Applications of Differential Inclusions to Control and Simulation of Mechanical Systems Delivered by Prof.(Dr Ryo Kikuuwe of Machinery Dynamics Laboratory Graduate School of Advanced Science and Engineering, Hiroshima University, Japan, through*
10. *4th International Research Seminar on Innovations in Robotics delivered by Prof. Darius Burschka of Technische Universität München, Munich, Bavaria, Germany, through Virtual Mode, held on 03 June 2021 at Amity University Uttar Pradesh, Noida, India.*
11. *Refresher Courses on Automation Anywhere Certificate for Automation Anywhere Certified Advanced RPA Professional (V11.0), Certified No. AAADVC-21553979*
12. *Refresher Courses on Diploma Course on UI Path*
13. *DST STUTI COURSE – NIT Rourkela*

ROBOTICS PROCESS AUTOMATION (RPA)

1) Certified RPA Trainer of Anywhere Automation Advanced RPA Professional (V11.0), Certified No. AAADVC-21553979

2) Certified RPA Trainer of UI-PATH (Diploma)

PORTFOLIO HANDLED IN LAST 5 YEARS 8 MONTHS

1. TEACHING
2. UNIVERSITY ONLINE INTRANET COORDINATOR
3. FACULTY COORDINATOR IOT CLUB
4. DEPARTMENT COORDINATOR ONLINE SYSTEM
5. RPA COORDINATOR
6. EXAM INTRANET ONLINE COORDINATOR
7. DISCIPLINE COORDINATOR
8. LAB IN-CHARGE – BASIC ELECTRICAL ENGINEERING, DIGITAL ELECTRONICS, MICROPROCESSOR, MECHATRONICS, EMBEDDED, MATLAB

ACHIEVEMENTS:

Professional RPA TRAINER from AUTOMATION ANYWHERE INC. And UIPATH

IPR- copyright specialist

2 times INDIA RECORD HOLDER martial arts and boxing

1-time ASIA RECORD HOLDER on martial arts

EXTRA-CURRICULAR ACTIVITIES - SPORTS

- A) Most bare-knuckle punches on a concrete wall in one minute is 226 – an Indian record (December 2017)
- B) Most bare-knuckle punches in a concrete wall in one minute is 226 - Asia record (December 2017)
- C) Maximum backhanded punches on the wall by one hand in one minute is 233 punches – India’s record (November 2020)

MEDIA COVERAGE

- 1. Selected as the Face of Chhattisgarh by Humans of Chhattisgarh
- 2. Articles published in news magazines and papers
- 3. Selected as a panel member of news channels

PERSONALITY TRAITS

- 1. Good leadership & communication skills.
- 2. Ability to work hard and smart and learn quickly on the job.
- 3. Ability to coordinate efficiently with different teams.
- 4. Work effectively with subject experts.
- 5. Proactive, Enthusiastic, and innovative

Declaration:

I hereby declare that the above-mentioned particulars are true to the best of my knowledge and belief.

Date: 28 April 2022

ANKIT MISHRA