

DEEPANJALI MEHRA

FEMALE, 22 YRS

MEHRA.DEEPANJALI.99@GMAIL.COM | +91-9910064865

EDUCATION

B.E.(Instrumentation and Control)	2017-2021	Netaji Subhas Institute of Technology	CGPA 5.95
AISSCE (Class XII)	2017	Indraprastha International School, New Delhi	80.6 %
AISSE (Class X)	2015	Indraprastha International School, New Delhi	CGPA 8.6

INTERNSHIP

Research Trainee, Indian Oil Corporation Limited | New Delhi [May 2020 – Jul 2020]

- Researched the oil refinery operation, architecture, communication and maintenance of pressure, flow, level, temperature, system feedback, and HART (Highway Addressable Remote Transducer) developed by **Honeywell** and **Yokogawa**
- Analyzed the refinery-based control operations, programming, commercial integration, communication and architecture for **Supervisory Control and Data Acquisition (SCADA), Distributed Control System** and Triple Model Redundancy for **Programmable Logic Controller (PLC)**

ACADEMIC PROJECTS

Image Captioning using Visual Attention [2021]

- Bachelor Thesis Project under Dr. Vicky Suri, division of Instrumentation and Control Engineering with the purpose to develop an image captioning system for pictures used for generating an image-to-sentence application and summarizing the relationship between the objects in the image

Application of Image Processing and OCR in the Medical Industry [2021]

- Bachelor Thesis Project under Dr. Prerna Gaur, head of Instrumentation and Control Engineering aimed to develop an application to store a patient's printed documents digitally as searchable PDF files which operate by detecting and reading the texts through the Doctor's prescription

Computational Intelligence in Medical Industry with Special Emphasis on Bioinformatics and Internet of Things [2020]

- Academic Project under division of Information Technology published under "Applications of Computational Intelligence in Multidisciplinary Research" by **Elsevier** discussing the application specific emerging trends and future scope of Computational Intelligence in healthcare

Challenges and Vulnerabilities of WSNs based IoT in Healthcare and Medical industry [2020]

- Research Project under Mr. Deepak Kumar Sharma published under the book "Integration of WSNs into Internet of Things: A Security Perspective" by **CRC Press, Taylor & Francis, USA** analyzing 3-factor Anonymous Authentication Protocol and Geographic Opportunistic Routing for selective authentication

POSITIONS OF RESPONSIBILITY

Vice-President, BMS - The Business and Management Society of NSUT [Mar 2020- May 2021]

- Led a team of **50+** business and management enthusiasts to organize **CaseInsight - The Case Study Competition** under Moksha - The Annual Cultural Fest of NSUT receiving over **250+** registrations from across India
- Organized **Bidding Wars - Chapter IPL**, a virtual simulated bidding competition receiving **300+** applications from across the country

External Relations Head, BMS - The Business and Management Society of NSUT [Jul 2019- Mar 2020]

- Organized **Pitchers - The Case Study Competition**, a case study-based competition receiving participation of 200+ applications from teams across Delhi-NCR during Innovision - The Annual Technical Festival of NSUT

Secretary, Mirage - The Western Dance Society of NSUT [Sep 2017-Aug 2019]

- Successfully orchestrated **Oorja - The Western Dance Competition** receiving participation of **50+** teams and increased the anticipated footfall up to **165%** and participation by **180%** for the year 2018 and 2019 using social media outreach programs
- Organized **Zephyr - The Solo/Duet Dance Competition** for **100+** dance enthusiasts for the year 2018 and 2019 with a recorded **two-fold** increase in the participation

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Secured **3rd** position at **Chaos** organized by **Indian Institute of Management, Ahmedabad** for the year 2019
- Secured **top 5** position at **Alcheringa** organized by **Indian Institute of Technology, Guwahati** for the year 2018
- Bagged **3rd** position at **Spring Fest** organized by **Indian Institute of Technology, Kharagpur** for the year 2020
- Secured **1st** position at **IngeNUity** organized by **NIIT University, Neemrana** for the years 2018 and 2019 consecutively
- Member of School Badminton Team securing **3rd** position in State-level competition in Delhi
- Youngest Indian to hold **3 diplomas** in Kathak-Classical Dance securing top percentile score

OTHER INFORMATION

- Completed online courses on Excel and SQL using multiple online open and paid platforms