NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR
MAHATMA GANDHI AVENUE, DURGAPUR - 713209

CURRICULUM VITAE

1. PERSONAL DETAILS

1.1	Name:	**ARGHA SEN**
1.2	Date of Birth:	20/11/1998
1.3	Guardian's Name:	ABHIJIT SEN
1.4	Branch/Specialization:	**ELECTRONICS AND COMMUNICATION ENGINEERING**
1.5	Registration No.:	16U10106
1.6	OP/SC/ST/OBC/PWD:	OP
1.7	Male/Female:	Male
1.8	Present Address:	Room 112, C. V. Raman Hall of Residence, NIT Durgapur, Durgapur West Bengal, 713209, INDIA
1.9	Address for Correspondence:	VILL+P.O.-Chatra (Paschim Bazar), P.S.-Murarai, Dist-Birbhum, West Bengal, 731238, INDIA
1.10	E-Mail Id: arghasen10@gmail.com	Cell No.: **+91-9733909220**

2. EDUCATIONAL QUALIFICATIONS

2.1 Secondary & Higher Secondary

Examination	Board/ Institution	Year of Passing	Obtained	Out of (Total)	%
10th Std	**AISSE**	**2014**	**9.8**	**10**	**93.2**
12th Std	**AISSCE**	**2016**	**477**	**500**	**95.4**

2.2 Graduation

SEM	1	2	3	4	5	6	7	8
SGPA	9.16	9.36	9.05	9.09	9.09	8	8.73	-
CGPA	9.16	9.26	9.19	9.17	9.16	8.97	8.94	-

3. ACHIEVEMENTS

- Secured best project report award by ITR Chandipur, DRDO after completion of summer internship 2019.
- Participated in **Festival of Innovation and Entrepreneurship** (FINE) 2019 at NIF Gandhinagar, Gujarat from March 15 to 18, 2019.
- Presented a poster in the **Workshop** on **Robotics and Assistive Technology** (RAT 2019) organized by National Institute of Technology Durgapur during January 3-5, 2019.
- Secured 1st Rank among 40 entries in **Tech Mela**, the Annual Science Exhibition of NIT DURGAPUR organized by CCA during AAROHAN 2019.
- Secured 1st Rank among 70 entries in **On-spot IoT Hackathon** organized by CCA during AAROHAN 2019 (Annual Techno Management Fest of NIT Durgapur).
- Secured 1st Rank among 50 entries in **Hackoverflow IoT Hackathon** organized by Hackerearth in association with GNU Linux Users Group (GLUG) of NIT Durgapur in Aavishkar 2018, the Annual Techno-Management fest of NIT DURGAPUR.

4. TRAININGS

- Completed six weeks online training on VLSI Design using VHDL. The training program consisted of Basics, Combinational, Sequential and Advanced modules and lasted for six weeks from 7th June, 2017 to 18th July, 2017.
- Completed "**7 Robots Combo Course based on 8051 Microcontroller**" online project-based course from Skyfi Labs during (01July,2017 – 09 September,2017).
- Completed **Weather Monitoring System based on IoT using Raspberry Pi** online project-based course from Skyfi Labs during (01January,2018 – 22 January 2018).

5. PROJECTS

- **AET-Drone**: Aerial Environment Sensing and Traffic Monitoring Drone (UAV).
- **Travis X**: Traffic Counting based on Open CV and Python and control traffic signal based on sensor data.
- Intrusion Detection System with IoT using Raspberry pi, camera, Ultrasonic Sensors.
- Autonomous Maze solving Robot with Arduino and IR sensors.

6. INTERNSHIP DETAILS:

- Summer Internship and Vocational Training (15 May,2019 to 1July,2019) at ITR Chandipur, DRDO.
  Project title : **3D Tracking and geolocalization of target using Unmanned Aerial Vehicles**.

- Winter Intern in Mobile Computing and Network Research Group, NIT Durgapur.
  1. Air Quality Prediction using sensor enabled devices using an UAV.
  2. Image Processing with UAV: To detect and count number of trees. Detection of Vehicles.

- Summer IoT Intern in CRIOTAM Technology private Limited, Bangalore.
    1. Designed and developed a prototype of an automated Bot based on Indoor Positioning System with WIFI scanning and RSSI strength plot (WPS).
    2. Developed a Facial Recognition system as a LockOut-TagOut (LOTO) system for Industrial IoT.
    3. Designed and developed IoT prototypes for Sports Authority of India. (Starting Block, Timing Gates, Force Plates).

7. SKILLS AND WEAKNESSES:
    - **Proficient in:** Python, C, C++
    - **Software:** Arduino IDE, Keil-U-Vision, MATLAB, Circuit Maker, EAGLE CAD, Fritzing (Circuit Design).
    - Comfortable with both **Linux** (Experienced with Ubuntu and Raspbian OS, UDOO Ubuntu) and Windows operating systems.
    - **Documentation**: Google Docs, MS Office.
    - Good Problem solving, communication skills and team working abilities.

8. POSITION OF RESPONSIBILITY:
    - Senior Member of Enteract - Official Dramatics Club of NIT DURGAPUR.
    - VICE CAPTAIN of TEAM ROBOCON NIT DURGAPUR 2019.

9. EXTRACURRICULAR ACTIVITIES:
    - Participated in dramatics events in RENDEZVOUS 2017 and 2018, cultural fest of IIT Delhi.
    - Participated and secured 3rd position in dramatics events in Carpe Diem 2018, Cultural Fest of IIM Kolkata.
    - Participated and secured 1st position in dramatics events in Spring Fest 2018, Cultural Fest of IIT Kharagpur.