Tamal Dutta

1st year M.Tech student in **Aerospace Engineering** department (Specialization in **Dynamics and Control**) of **Indian Institute of Technology Bombay**, Mumbai.

I have done my B.Tech in **Electronics and Instrumentation Engineering** department of **Techno India College of Technology**, Newtown, under **West Bengal University of Technology,** Kolkata.

CONTACT INFORMATION

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PERSONAL INFORMATION

Date of birth   : 5th April, 1988
Nationality   : Indian
Sex   : Male

EDUCATION

Examination	Board/University	Marks Obtained
Master of Technology	IIT Bombay	Exams awaited
Bachelor of Technology	WBUT	8.04(CPI)
Higher Secondary	WBCHSE	64.1%
Madhyamik Pariksha	WBBSE	82%

RELEVENT COURSES ATTENDED

1st year : Physics, Mechanics, Mathematics I and II, Programming in C, Engineering drawing, Chemistry, Electrical technology, Communication and English.

2nd year : Digital electronics, Discrete electronics, Analog Electronics, Data structures, Industrial Instrumentation I & II, Sensors, Computer Organization & Architecture , Numerical Methods & Programming, Electrical Measurements. (8085), Microcontrollers (8051).

3rd year : Control Theory, Analog Communication, Digital Signal Processing, Microprocessor based systems(8086), Optoelectronics & optical Instrumentation, Process Control, Digital Communication, Computer Networking, Electronics Measurement.

4th year : Biomedical And Ecological Measurements, Industrial Management, Mobile Communication, Values And Ethics In Profession,

PROJECTS & INTERNSHIPS

- ➢ **Project Description:** The project involved working with PLCs and application of those. I was given a basic process and structure of air pollution control system of a cement mill. Then the ladder diagram and SCADA drawing was made by me. Also worked with different logics in PLCs. A demonstration on AC drive was given to me. Worked with different Rockwell software.

  The project was done at WEBEL ACA in Feb-Mar 2010.

- ➢ **Project Description:** Details study of **Primary Steel making in LD process** . The project involved study of automation involved in manufacturing different types of high quality Steel, controlling the process, quality control, pollution control .

  The project was done at **TISCO**, Jamshedpur in July – August 2010.

COMPUTING SKILLS

Programming languages	C, BASIC.
Operating systems	WINDOWS, LINUX.
Technical software	MATLAB, Proteus, AVR Studio, Keil u, Autodesk Inventor.
Application software	Autodesk 3D Studio Max (2011) . Coreldraw (X5), Adobe Photoshop (CS5), Autocad (2009), RS Logix5000 & SCADA, RS Linx , RS View 32, Microsoft office suite (2010), BarbusLab MobiDB , etc .

EXPERIENCES

- ➢ Eight types of **Machines** (manual and semi-automatic) made by me, are successfully running in small factories.
- ➢ **Microcontroller controlled machines** and **Decorative Lighting.**
- ➢ All types of printing related **designs**, product designs, advertisement designs.
- ➢ Complete **Building design** and supervising.
- ➢ Complete **Conceal wiring**.

LANGUAGE SKILLS

LANGUAGE	PERFORM	LEVEL
English	Read, Write & Speak	Excellent
Bengali	Read, Write & Speak	Excellent
Hindi	Read & Speak	Good

RESEARCH INTERESTS:

- ➢ Process control, PLCs , SCADA, DCS, MCBs,
- ➢ Automation
- ➢ UAV and MAVs
- ➢ Robotics
- ➢ Microcontroller based.

HOBBIES:

- ➢ Designing
- ➢ Drawing
- ➢ Animation
- ➢ Net surfing
- ➢ Consultancy
- ➢ Reading and Writing