



SUBHABRATA BANERJEE

AI_IoT & Robotics Trainer

Contact

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Personal Details

DOB: 08/04/1983

Marital Status: Married

Father's Name: Late Subrata Banerjee

Mother's Name: Shipra Banerjee

Profile

Compassionate educator with 12+ years of experience.

Product designer of Industrial Robotics, Professional with proven knowledge on programming language, microcontroller programming (ARM, AVR, PIC, Arduino, Raspberry Pi) Proficient in Electronics, AI-ML, Robotics, Industrial Internet of Things, Agri tech. Certified from **IIT, Kharagpur** on various emerging technologies. Special expertise on UAV (Unmanned arial vehicle) and certified from "AIM_NITI Ayog for ATL" and Certified from **LearnX, Singapore** for "Transforming Teaching for inclusive development".

Recent Achievements:

- Recognition from IRIS National Fair 2024 (India's largest Research based Science fair)
- 7 projects got selected in National Level from School Innovation Council
- One project got position among top 10 projects out of 19000+ registrations in National level of Vivo Ignite (joint collaboration of NCERT and IIT Roorkee)

Professional Experience

AI & ATL TRAINER- DAV MODEL SCHOOL, DURGAPUR

MAY 2023

-PRESENT

- Taking AI & Coding classes (Grade VI to XII)
- Content development of AI & ML, IoT, Robotics, Drone Technology, 3D printing & designing, AR & VR Classes.
- Preparing students for various national and international competitions viz, IRIS, Inspire Manak, SIH, CRSE, NCSC and VVM, Youth Ideathon.
- In the charge of Atal Tinkering Lab (ATL).
- Organizing workshops and exhibitions on STEAM.

RESEARCH & DEVELOPMENT HEAD

Hidden Lamp Pvt.Ltd – Jodhpure, Rajasthan

MAY 2016

MAR 2023

- Giving training to the faculties
- Creating study materials for students as well as faculties
- Content Development
- Upgrading all over skills and technologies as per requirement
- Design and set-up STEAM labs in Schools
- Our clients' domain: Indian Army, Tea Industries and Schools

PGT FACULTY- MATHEMATICS

FEB 2011

DARJEELING PUBLIC SCHOOL – Siliguri, West Bengal

– APRIL 2016

- Taking Mathematics for Class X, XI, XII
- Class Teacher of Class X
- Making Lesson Plans for Class X (Weekly Basis)
- Making Co-Scholastic Reports

Key Skills

Product Design



Technical Skill



Hardware Skill



Problem solving



English



Bengali, Odiya, Nepali



Hobbies

- Robotics and Drone Making
- Organising Workshops on Astronomy
- Philately
- Photography

Awards & Achievements

- Appreciation from Indian Army
- AIM NITI Ayog ATL Trainer Certification
- Transforming teaching certification from AIM and LearnX Singapore
- Got Top 1000 mentor in India certification from YI 2023
- Best employee awards 2019 from Hidden Lamp Pvt. Ltd.
- Silver Medal certification from IIT, Kharagpur (NPTEL)
- Awards from WB Govt. for good Result in 10th

PGT FACULTY- MATHEMATICS

Authentic Eagles Group --- Siliguri, West Bengal

FEB 2010

– JAN 2011

- Taking Mathematics classes for hon and pass students,
- Taking Statistics, Mathematics and Physics classes for Class XI and XII
- Taking Mathematics and Science classes for class IX and X,
- Preparing study materials of mathematics and physics for JEE Mains & Advance and NEET.

KEY SKILLS

1) Programming Skills:

- C and Python (including working knowledge of Numpy, TF, Pandas)
- AI & ML programming
- Arduino Programming
- Drone Programming
- 3D printing & designing.

2) Hardware Skills:

- Electronics circuit design and Simulation
- PCB design
- Flight Controller Design for Drones and UAVs

3) Content Development:

- Educational content development on AI, IoT and various topics on Emerging Technologies.

4) Astronomy:

- Working knowledge on various types of Telescopes (Altazimuth, Equatorial and Dobsonian mount, Cassegrain etc.)
- Sky Watching Technics
- Sky log making
- Content development on Astronomy for Students.

PROJECTS

- Total 60 no of School & College Projects on STEAM till now
- Total 30 no of Commercial Projects on IoT, Electronics and UAV (Drone)

ACADEMIC PROFILE

Qualification	Name Of the Board/University	Year Of Passing
Certification on IoT	IIT-Kharagpur (NPTEL)	2021
Cloud Computing	IIT-Kharagpur (NPTEL)	2020
Certification on ARM	IIT- Kharagpur (NPTEL)	2019
Certification on IoT	IIT- Kharagpur (NPTEL)	2019
MCA	IGNOU	PURSUING
Transformative Teaching for Inclusive Development	AIM (GOVT. OF INDIA)	2023
Certification on ML	IIT- Madras (NPTEL)	PURSUING
PGDFC	IIMS, Bhubaneshwar	2010
B. Sc	Calcutta University	2007

DECLARATION

I hereby declare that all the above information is correct and accurate. I solemnly declare that all the information furnished in this document is free of errors to the best of my knowledge