



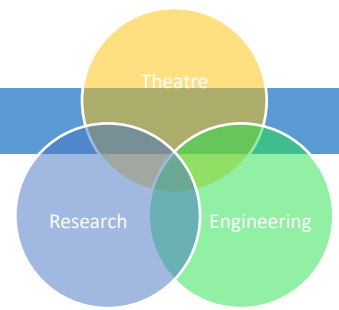
Somen Biswas



Instrumentation Engineer

B.Tech (Kalyani University) & M.Tech (Jadavpur University)

Email : biswas.somen@gmail.com Phone: 9674097838 / 9477099709



Area of Work || Engineering Hobbyist | Telecom Engineer | Artistic Engineer | Multimedia Engineer | Actor

EDUCATIONAL PROFILE

Course	Institution	Board / University	Year of Completion	Aggregate
M.Tech Instrumentation & Electronics	Department of IEE	Jadavpur University	2016	8.4 CGPA
B.Tech Electronics & Instrumentation	Department of Engineering & Technological Studies	University of Kalyani	2012	76.24 %
Higher Secondary	Kumar Ashutosh Institution (Main) Boys'	West Bengal Council of Higher Secondary Education	2008	73.43 %
Secondary	Kumar Ashutosh Institution (Main) Boys'	West Bengal Board of Secondary Education.	2006	75.63 %

EXPERIENCE:

Post: **Junior Engineer**, Calcutta Telephones, Company name: **Bharat Sanchar Nigam Limited, A govt. of India Enterprise**,
Duration: 24th April 2017 to **Present** Role: Maintenance of core network equipment.

Post: **Project Assistant Technical**, Company name: **Vivekananda Institute of Biotechnology, Nimpith Ramkrishna Ashram**,
Duration: 1st Aug 2013 to 31st Nov 2013 Role: Executing Project on Renewable Energy, Project writing for DST, WBDST. Worked on Biogas specially BOD COD Measurement.

Post: **Lab assistant**, Company name: **University of Kalyani**, Duration: 1st Aug 2013 to 31st Nov 2013 (for 1semester) Role:
Teaching on Power Electronics, Electrical Technology, DSP.

Post: **R&D Engineer** Company name: **Gears Energy Solution Pvt. Ltd.** Duration: 24th Sept 2012 to 30th May 2013 Role: Design new product, Making prototype and modification of existing design (Mechanical, Electrical, Electronics, Thermal Management). Development of (LED Flood Light, LED and LED Solar Street light, LED Tube Light) Lighting Fixture in Aluminum Sand Casting, Aluminum Pressure die casting and Aluminum Extrusion. Modification of SMPS, Buck and Boost driver.

Post: **Development Apprentice** Company name: **PRADAN (NGO)** Duration: 1st Aug 2012 to 13th Sept 2012 Role: Training on Rural development.

PUBLICATIONS:

1. IEEE conference paper on "[Design and calibration of a multi-channel low voltage data acquisition system](#)"

WORKSHOPS:

1. Conducted a workshop on MATLAB to the Diploma in EE students at Jadavpur University
2. Conducted a workshop on PCB design and fabrication to EE & ECE students at FIT, Garia.
3. Conducted one week workshop on "Advanced Electrical & Electronics Circuit & Systems Simulation and Hardware Implementation" at FIT, Garia.

PROGRAMING SKILLS:

- C
- Matlab, Simulink
- Embedded C
- Python
- PHP
- HTML , CSS , JavaScript

SOFTWARE SKILLS:

- Operating Systems : Windows XP, Windows 7, Linux (Ubuntu and Fedora)
- Software: Eagle, Orcad, Simatic 7, Autocad, Matlab, MPLab, Premiere Pro, Photoshop, Sound Editor, Matlab, Ki-Cad etc.
- Office Suit – MS Word, MS Excel, MS PowerPoint, LaTeX

AREAS OF INTEREST:

- Electronics, Microprocessor & Microcontroller
- Instrumentation, Automation, Biomedical Instrumentation
- Renewable Energy and Environmental Science
- Illumination, LED, SMPS
- Networking
- Internet of Things (IoT)
- Artistic Engineering

ACHIVEMENTS:

- Achieve AIR720, AIR1616 on Instrumentation in 2014,2016 GATE

HOBBY:

- Playing with electronics circuit
- Acting in Theater (20year) & Theater light Design & control (15year)
 - Trained in in-house training of Jhalapala (Children Theater Group) science 20Years.
 - Participate in many Children theater workshops as a Trainee, Trainer and Conductor.
 - Designed Theater light with Jhalapala, Bidon street Subham, Minarva Repertory, Blind Opera, Light house for the blind etc.
 - Currently involved with new production of 'Jhalapala'.
- Sound Editing, Video editing, Photo editing.

PERSONAL PROFILE:

- Name : SOMEN BISWAS
- Date of Birth : 07-12-1989.
- Father's name : BIKASH CHANDRA BISWAS
- Languages Known : English (RWS), Bengali (RWS) and Hindi (RWS)
- Address : P-106 Vivekananda Colony, Bediapara,
South Dum Dum, 24 Parganas (N), West Bengal
Pin Code– 700077

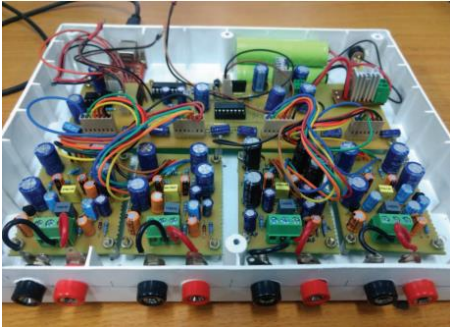
DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Kolkata

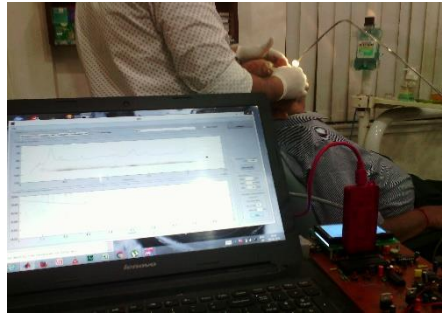
Date: 27/06/2020

(SomenBiswas)



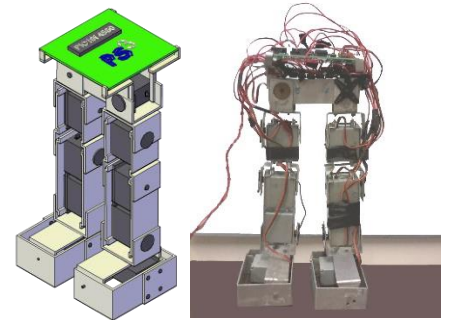
D & D of Low cost DAS

Design & Development of Data Accusation System uder Jadavpur University to capture Endosomatic EDA signal from human body.



D & D of Resonance Detector

Design & Development of low cost Resonance Frequency Detector as M.tech Thesis work under Jadavpur University



D & D of Biped Robot

Design & Development of Biped robot as B.Tech final year project under Kalyani University



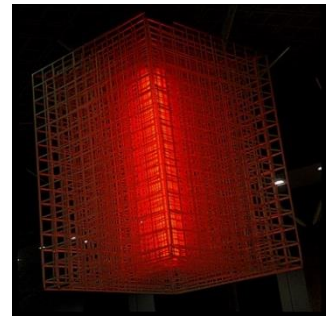
Technical Direction

Shadow – Overall technical planning to execute a play on Shadow, Introduce semi-automatic Sound system for the play



Video Installation, Suruchi Sangha

Durga Puja, Suruchi Sangha Execute the video installation of Bhobotosh Sutar through LED screen play. Worked on Editing, Effects & Technology



Light Designing

Designed Light on the installation of Surendra Paul Joshi named Tana-bana installed at Departure terminal of Jaipur Airport on behalf of Gears Energy Solution



High Precession Projection

Execute high precession projection on object with Bhobotosh Sutar in the exhibition of Agun Niye khela at Academy of fine Arts.



Editing, Light, Sound Mixing

Worked on Editing, Light, Sound Mixing and other technical solution for the short film Chander Buri (From moon). The film got many awards.



Projection & Engineering, Naktala

Durga Puja, Naktala Udayan Sangha Execute the plan of Bhobotosh Sutar through projection. Synchronize audio track with PLC to control 5HP motor



Technical Director

Introduce technical solution like light, special effects projection for the theatre group Jhalapala. Associate with the organization since 2000.



Motion sensing LED Light

Designed and developed motion sensing LED light to save power. Glow 100% if any human motion is detected through PIR sensor otherwise glow with 25% brightness



Reverse Clock

Studied the working principle of existing clock and changed direction by changing tangential magnetic field



Bubble machine

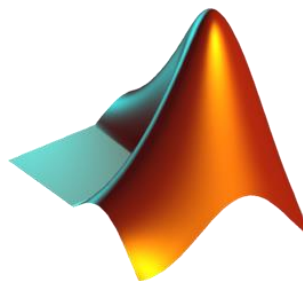
Designed and developed bubble generator machine as home project

Workshops:



Popular Science Workshop

Popular Science Workshop was taken for the students of Debipur School, Sundarban Area on behalf of Nimpith Ramkrishna Ashram



Simulink, Matlab Workshop

Conduct a Simulink, Matlab workshop for Diploma Students of APC Engineering Collage on behalf of Jadavpur University



Circuit design & Fabrication workshop

Conduct 2 days and 6 days workshop on Advanced Circuit design (incl PCB) and fabrication for the 2nd year students of Future Institute of Technology