

## PERSONAL INFORMATION



### Anik Chanda

📍 Flat #5A, House #460, Road #08, Adabor Main Road, Adabor, Mohammadpur, Dhaka-1207, Bangladesh.

📞 +8801722722900

✉️ [anikchanda.ac@gmail.com](mailto:anikchanda.ac@gmail.com)

💬 [Skype ID: live:anikchanda.ac](skype:anikchanda.ac)

Sex Male | Date of birth 17/05/1992 | Nationality Bangladeshi

## WORK EXPERIENCE

January 2018 -  
Present

Asst. Manager (Technical), Operation & Business  
Development

### Grameen Trade International



- Collaborating with management on employee and customer service issues.
- Operation & monitoring of the medical gas plant at the largest medical university of Bangladesh- BSMMU.
- Working on the development of Medical Waste Management System with Microwave technology.
- Preparing electrical drawings, electrical calculations and specifications.
- Finding the problems and suggest the best possible solution.
- Managing planning of service & system.
- Coordinate daily customer service operations.
- Track the progress of weekly, monthly, quarterly and annual objectives.
- Research emerging products and use information to update.
- Conducting investigations on system failures and resolving problems.
- Presenting the model or product in front of seniors & clients and elaborate it.
- Overlooking sales and service, visiting as per need.
- Verification of the compliance of test results with the design and reliability requirements.
- Coordination with contractor to resolve issues.
- Perform various duties as assigned.

March 2015 –  
December 2017

Project Manager/ System Design Engineer,  
Research & Development Department

**Filament Engineering Limited**  **muspana<sup>®</sup>**

- Project management and installation supervision of Solar Power Systems for 12 No. School cum Cyclone Shelters of Fael Khair Program (IMC) in construction Package 14- supervised by Islamic Development Bank (IDB).
- Worked with technical committee of government organization- Infrastructure Development Company Limited (IDCOL) to set standards for adaptable renewable energy technology in Bangladesh.
- Project management & Installation of 200KWP Solar On-Grid System at Shaheed Sayed Nazrul Islam Medical College And Hospital, Kishoregonj under Public Works Department (PWD), Bangladesh.
- Trained 40 B.Sc Engineers and 70 Diploma Engineers to design solar system including some NGOs in the country.
- Worked with consultants to test PV modules under IDCOL SHS program.
- Project management & Installation of Solar Beacon Light and Accessories solution at Sangu Offshore Platform Alfa.
- Project management & Installation of 27kWP Solar Off Grid solution in International Organization of Migration (IOM) Clinic, Teknaf, Cox's Bazar, Bangladesh.
- Developed training materials for project implementation.
- Project management and installation of total 1.8 MW Solar Off Grid & On Grid solutions all over the country.
- Project management of Improved Cook Stove (ICS) in MUSPANA from March 2015 to December 2017.
- Developed the primary model of auto rickshaw battery charging station by solar power.
- Developed the design of a solar smart irrigation system for IDCOL as a primary proposal.
- Designed solar charge controller and battery charger for local market.
- Designed a solar water pumping system for GIZ as a primary proposal.
- Developed the virtual model of a solar boat as an environment friendly solution for UNDP as RFQ with technical analysis.
- Developed the primary solution of water distribution at Rohingya Camp for UNHCR.
- Project design of Solar Irrigation and Pumping System, Floating Solar System, Innovative Solar Ideas, Energy Efficient & Architectural Lighting Solutions etc.

## EDUCATION AND TRAINING

7 February, 2016- 6 February, 2016	Design and operations of off-grid system SMA Solar Academy, Germany
	<ul style="list-style-type: none"><li>▪ Concept of large-scale power plants.</li><li>▪ Centralized and decentralized power plant.</li><li>▪ SMA inverters and features.</li><li>▪ Designing of a large-scale power plant through SAM design tools.</li></ul>
2010-2014	<b>Bachelor of Science in Electrical and Electronic Engineering</b> Result: CGPA 2.84 (out of 4.00) American International University-Bangladesh (AIUB) Major Courses: <ul style="list-style-type: none"><li>▪ Electrical Circuits</li><li>▪ Digital Logic Design</li><li>▪ Digital Electronics</li><li>▪ Signal &amp; Linear System</li><li>▪ Digital Signal Processing</li><li>▪ Electromagnetic Fields &amp; Waves</li><li>▪ Electrical Properties of Materials</li><li>▪ Industrial Electronics</li><li>▪ Microwave Engineering</li><li>▪ Cellular Mobile Communication</li><li>▪ Renewable Energy Technology</li></ul>
2007-2009	<b>Higher Secondary Education</b> Result: GPA 4.40 (out of 5.00) Bir Shreshtha Noor Mohammad Rifles Public College, Pilkhana, Dhaka, Bangladesh. With highest GRADE in Physics.
2002-2007	<b>Secondary School Education</b> Result: 5.00 (out of 5.00) Hasan Ali Government High School, Chandpur, Bangladesh Highest GPA with highest GRADE in English, Mathematics, Bengali, Biology, Physics and Chemistry.

## PROFESONAL SKILLS

Mother tongue(s)

Bengali

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Hindi	B1	----	B1	B1	----

Levels: A1/2: Basic user – B1/2: Independent user – C1/2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

- Presentation skill (In seminars, workshops, ministry and meetings).
- Negotiation with clients regarding project and business development.
- Technical review of projects with academicians and skilled professionals.
- Building relationships with development partners, government and potential project implementing organizations.

Organizational / managerial skills

- Leadership (leading appraisal of ongoing projects).
- Organizing monthly technical meeting of progress and plan.
- Issue resolving (Resolving burning issues between higher authority to the employees and clients for smooth development of project).
- Planning and organizing of workshops, seminars and training on behalf of the company to develop the opportunities.

Job-related skills

- Management skill
- Communication skill
- Technical expertise
- Production supervision

Computer skills

- Microsoft Office (Word, Excel and Power point)
- Proteus
- Spring Layout
- MikroC PRO
- Orcad-Pspice
- CST Microwave Studio
- C & C++ Programming
- Assembly Programming Language
- PIC Microcontroller
- AutoCAD
- Virtual Studio
- Arduino
- DIALux

- SMA Sunny Design
- Latex
- Decent report writing skill.
- Quick learning skill.
- Innovative thinking skill.

## Other skills

## ADDITIONAL INFORMATION

### Presentations

- "Technical scope in renewable energy sector of Bangladesh", keynote speaker in a seminar arranged by MUSPANA.
- Comparative study on various sources of renewable energy on the prospect of Bangladesh.
- "Benefits of Improved Cook Stove", keynote speaker in a seminar arranged Catalyzing Clean Energy in Bangladesh (CCEB)- funded project of USAID.
- "Design of on-grid solar system", keynote speaker in a workshop and meeting arranged by Planning Ministry, Bangladesh.
- "Hospital waste management system with microwave technology", introduction speaker in a seminar with delegates from Europe; arranged by Ministry of Health and Family Welfare, Bangladesh.
- Design of the electrical wiring system for a single-floored residence.

### Projects

#### **Simulation based:**

- Design and simulation of an arithmetic logic unit (designed and simulated in Proteus).
- Simulation of a smart fan
- Layout design of a 4x4 bit Static RAM
- Designing of a Simple Dipole Antenna and observing antenna parameters using CST Microwave Studio

#### **Hardware Based:**

- Design and implementation of a relay motor driver.
- Design and implementation of a DC motor controller by PWM.
- Design and implementation of a smart security system with motion detection and GSM based alert technology.
- Design and implementation of a computer-controlled robot car with wireless communication system.

## Seminars

- Innovations in Technologies and Delivery Models for Solar Rural Electrification in Bangladesh, ICDRET 2015.
- Bangladesh 2050 Energy and Emissions Pathways Calculator, Power division, Bangladesh.
- A seminar on "A.I. in Robotics & Embedded System and Robotics & Automation" held at AIUB premises on 13th July, 2013 organized by ESAB, special guest speaker Asst. Prof. Dr. Khalilur Rahman, Dept. of CSE, BRAC University and Mr. Ebad Zahir, Lecturer, Dept of EEE, AIUB.
- Workshop on "Proteus VSM, Microcontroller programming and Robo-exposition" by Bishawjit Debnath, Lecturer, Dept. of EEE, AIUB and Shawon Shariar, Embedded System Engineer, R & D Section, Bangladesh, held on 26th September, 2013.

## Honors and awards

- Junior Board scholarship – 2004 from Comilla Board.
- Scholarship in Secondary School Certificate – 2007 from Comilla Board.
- Scholarship as free education in Bir Shreshtha Noor Mohammad Rifles Public College for outstanding academic achievements.
- Several National Awards in Painting & creative skills.

## Memberships

IEEE, AIUB branch 2010-2014  
ESAB, AIUB branch 2010-2014  
AIUB Arts Club (AAC) 2010-2015

## Extra-curricular activities

Painting & Writing

## References

Nafiz Ahmed Chisty  
Assistant Professor, Faculty of Engineering  
Special Assistant, Department of Electrical and Electronic Engineering  
American International University – Bangladesh  
E-mail: chisty@aiub.edu

Mohammad Shafquatul Islam  
Lecturer, Department of EEE  
Faculty of Engineering  
American International University – Bangladesh  
E-mail: shafqat@aiub.edu