



SAMIR KUMAR PRAMANIK

Email: samirpramanik121@gmail.com

Mobile: +8801763-838559

Address: Village: 97, Arjat para, Post: Dhaka-1212, Thana: Tejgaon, District: Dhaka.

WORK EXPERIENCE

- **System Engineer (CORE / NOC), Ringtech Bangladesh Ltd. (A Telecom ICX Operator)**
Jan, 2024 – Continuing
 - Be responsible for any kind of troubleshooting in Session Border Controller (SBC), Media Gateway (MGW) and Soft switch (SS) of ZTE / Huawei, Genew, Dialogic, GENBAND, etc.
 - * Hands-on experience with Shopify, Facebook ads, Google Ads,
 - * Experience in Core PHP, JavaScript, jQuery, AJAX, Bootstrap/Responsive design, HTML5, CSS3, MySQL
 - Knowledge about routing, switching, transmission design, optimizing and improving
 - Performance troubleshooting techniques of SBS, Soft Switch, MGW, etc.
 - Be responsible for configuring SIP, H.248, MTP2 link and ISUP trunk group.
 - Be responsible for analyzing route utilization, distribution and quality of traffic, ASR, CER, ACD as well as executing call tests.
 - Good understanding of SIP, SS7, TCP/ IP, EBGp, BGP, VRF, Attributes & Scaling and Data Communication.
 - CORE service provisioning network devices like Cisco, H3C, Huawei, ZTE routers and switches. Understanding of SDH/PDH transmission link.
 - Monitoring and analyzing different types of alarms which are created from SBC, Softswitch, media gateway, MUX and L3 switch.
 - Understanding of AC/DC (Telecom) Power system.
 - Follow up NSS, Transmission, Datacom network and Power system.
- **Engineer, Mobile Tele Solutions (MTS)** May 2021 - Dec 2022
 - Demonstrated good working knowledge of troubleshooting of BTS Swap, New BTS, and Cell Addition.
 - Installed the telecom equipment (Ericsson & Huawei Equipment- 2G, 3G)
 - Established the telecom network and fault management & network survey.
 - Led the working team and completed the targeted task.
 - Developed professional relationships with the customer by demonstrating an understanding of their requirements and achieving goals.

TRAINING

1. Name: Cisco Certified Network Associate, CCNA (200-301) - Creative IT Institute

Duration : 4 Months

Topic : IPV4 & IPV6, OSPF, BGP, ACL, NAT, WLAN, INTERVLAN, PORT SECURITY, SSH, PPPOE, Automation & Programmability.

2. Name: MikroTik (MTCNA) - Creative IT Institute

Duration : 2 Months

Topic : Router OS, DHCP, Bridging, Routing, Wireless, Firewall, QoS, Tunnels etc.

EDUCATION

2019	BSc	Bangladesh Army University of Science & Technology-BAUST, Saidpur, Nilphamari BSc in EEE with CGPA 2.67 out of 4.00
2015	HSC	Sunflower School & College, Saidpur, Nilphamari GPA 3.58 out of 5.00
2013	SSC	Saidpur Cantonment Board High School, Saidpur, Nilphamari GPA 4.38 out of 5.00

SKILLS

- **Programing:** C/C++, MATLAB, Assembly Language Programming, Arduino
- **Software:** Numerical, Proteus, AutoCAD, PSAF, PSPICE, MS Office (Word, Excel, PowerPoint), Code Blocks.
- **Technical:** Microcontroller, Arduino, RTC Module, PCB Designing
- **Language Proficiency:** Fluent in Bengali and English

INDUSTRIAL ATTACHMENT

- Industrial Training at Ashuganj Power Station Company Limited (APSCL), Ashuganj, Brahmanbaria (7 days, year: 2020).
- Industrial Visit at Rural Power Company Limited (RPCL), Kodda (3 days, Year: 2019).
- Industrial Visit at Barapukuria Thermal power station, Fulbari, Dinajpur (1 day, Year: 2019).

RESEARCH EXPERIENCE

I have completed my undergraduate project titled “**ATTENDANCE MONITORING BY BIOMETRIC SYSTEM**” under the supervision of LT. COL. DR Md Tawfiq Amin, Associate Professor, Department of Electrical Electronic and Communication Engineering, Military Institute of Science and Technology (MIST). In this project, we designed Fingerprint Sensor Based Biometric Attendance System using ARDUINO. We interfaced the fingerprint sensor with ARDUINO, LCD Display & RTC Module to design the desired project. In this project, we used a fingerprint Module and ARDUINO to take and keep attendance data and records. Biometric Attendance systems are commonly used to mark the presence in universities and schools. This project has a wide application in schools, colleges, business organizations, and offices where marking of attendance is required accurately with time. By using the fingerprint sensor, the system will become more secure for the authority to monitor.

AWARDS & ACHIEVEMENTS

- 2nd Runner-Up during the 'Circuit Olympiad' at the 'BAUST EEE DAY-2018'.
- Achieved Certificate of Excellence in '1st BAUST Intra-University Idea Contest'.
- Achieved 2nd Position in 'Math Olympiad' Saidpur Cant. College.
- Best Student of Mechanical Engineering Drawing, BAUST 2015.
- Best Student Volunteer Award, Rag Day of BAUST 2019.
- Certificate of Participating in the Seminar on Scopes and Benefits of IEEE & Technical Olympiad 2017.

MAJOR UNDERGRADUATE COURSES

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|--------------------------------------|-----------------------------------|
| ● Electrical Circuit I & II | ● Digital Signal Processing |
| ● Signals and Systems | ● Communication Engineering |
| ● Electrical Properties of Materials | ● Optical Fiber Communication |
| ● Engineering Electromagnetics | ● Power System I & II |
| ● Control System I | ● Power Electronics |
| ● VLSI I | ● Measurement and Instrumentation |
| ● Microprocessor and Interfacing | ● Energy Conversion I & II |
| ● Digital Electronics | ● Electronics I & II |
| ● Electrical Service Design | ● Biomedical Instrumentation |
| ● Telecommunication Engineering | ● Switchgear and Protection |

SOFTWARE PROJECTS

- 8 Bit Computer Design with digital logic IC (Proteus)
- Solar Panel Driver circuit design to supply a synchronous machine and to the grid (SIMULINK)
- Arithmetic calculator for 128-digit decimal integer numbers using C programming language
- Eight-bit Fibonacci Series generator circuit design with digital logic ICs (PSPICE)

EXTRACURRICULAR ACTIVITIES

- Former Science A air Secretary, Prothom Alo Bondhushava, BAUST.
- Former Executive Member, BAUST Debating Society.
- Former Executive Member, BAUST Robotics.
- Champion Intra Department Football tournament, BAUST.
- Best Student of Mechanical Engineering Drawing, BAUST 2015.
- Best Student Volunteer Award, Rag Day of BAUST 2019.
- Certificate of Participating in the Seminar on Scopes and Benefits of IEEE & Technical Olympiad 2017.

REFERENCES

- LT. COL. DR. MD. TAWFIQ AMIN
Associate Professor, Department of EECE
MIST Military Institute of Science and Technology (MIST), Mirpur Cantonment, Dhaka.
tawfiqamin@eece.mist.ac.bd | +8801778846380
- Ashrafun Naher Pinky
Associate Professor
Bangladesh Army University of Science and Technology (BAUST), Saidpur 5310,
Nilphamari, Bangladesh.
ash.pink.51@gmail.com | +8801745422730