

Binoy Barman Shubha

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Academic Qualifications

- Undergraduate Program
B.Sc. Engineering in Information and Communication Technology (ICT)
Mawlana Bhashani Science and Technology University, Tangail, Bangladesh.
CGPA 3.20 (on a scale of 4.00)
- Higher Secondary Certificate (H.S.C) Program
Science Background
RAJUK Uttara Model College, Dhaka, Bangladesh.
GPA 5.00 (on a scale of 5.00)
- Secondary School Certificate (S.S.C) Program
Science Background
Bangladesh Railway High School, Bhairab, Bangladesh.
GPA 5.00 (on a scale of 5.00)

Technical Skills

- MATLAB: Data input, analysis, graph representation.
- SIMULINK: Simulation of Wireless Sensor Network.
- RIVERBED MODELER: Simulation of Wireless Sensor Network.
- LaTeX: Writing research paper standard documents.

Career Profile

- Position: Research Assistant
Time: June 2015 – Still
Workspace: Bangladesh
Advisor: Dr. Sajjad Waheed
Associate Professor
Department of Information and Communication Technology
Mawlana Bhashani Science and Technology University, Bangladesh.
- Position: Programming Tutor (C, C++, Data Structure, Algorithm)
Time: October 2015 – Still
Workspace: Bangladesh
Institute: Docile Academic Care, Uttara.

Research Publication (Published/Accepted)

- 2D Multi-gas Mapper with Cascading Module System along with Wireless Sensor Network. (Conference-ICIEV2016, Paper ID: 112) – Will be in IEEE Xplore.
- Binoy Barman Shubha, Sajjad Waheed and Kazi Sadlil Rhythom. Article: False Alarm Detection in Wireless Body Sensor Network using Adaptive and Intelligent Approach. *Communications on Applied Electronics* 3(6):1-9, December 2015. Published by Foundation of Computer Science (FCS), NY, USA. (doi 10.5120/cae2015651972)

Research Publications (Manuscript Submitted/Ready for Submission)

- Structural Health Monitoring using adaptive and intelligent approach by Wireless Sensor Network.
- Emergency Situation Handling by Wireless Sensor Network using Automatic Alarm.
- 3D Image Detection using Panorama technique.

Conference Seminar Attended

- 5th International Conference on Informatics, Electronics & Vision (ICIEV), 13~14 May, 2016, Dhaka, Bangladesh

Research Interest

- Wireless Sensor Network
- Internet of Things (IoT)
- 3D Imaging
- Advanced Integrated Circuits
- Biosensors and Bioelectronics

Scholarship/Award/Grants

- Government Scholarships:
 - Junior School Certificate Examination Scholarship.
 - Education Board Scholarship in Secondary School Certificate Examination.
 - Government Scholarship in 1st Semester in Undergraduate Program.
- Other Scholarship:
 - “Janata Bank” Scholarship for Secondary School Certificate Examination.
- Programming Contest:
 - MBSTU Intra Department Programming Contest (Rank 2)
 - MBSTU Intra University Programming Contest (Rank 4)
- Science Project Show:
 - 2nd Position in Inter College Science Fair Project Show 2009.
- Professional Certificates:
 - Basic Linux Operation System.
 - Basic Android Development.
 - Oracle 10g Developer.
 - EATL – Prothom Alo Apps Contest 2015.

Industrial Training and Workshop

- Industrial Training:
 - 4 days Industrial tour on Telecommunication machines, Microwave Station and satellite earth station.
- Operation System:
 - 2 days training on Basic Linux Operating System by BDOSN.
- Software Development:
 - 5 days training on Basic Android Development by MoICT.
 - 2 days training on Software Design and Code Quality by BASIS.
- Database:
 - 18 days training on Oracle 10g Database Development by DevNetIT.

Professional Skills

- | | |
|----------------------------|--|
| • Language | C, C++, Java, C#, Python, Android |
| • Scripting Language | HTML, CSS, JavaScript |
| • Framework | Drupal |
| • Database | Oracle 10g, MySQL, MS Access |
| • Web / Application Server | Apache, WAMP |
| • IDE | NetBeans, Eclipse, Codeblocks |
| • Networking | Configuring LAN Server(FTP, SMTP) |
| • Runtime Environment | Windows, Linux(Mint) |
| • Graphics | Adobe Photoshop CS3, Adobe Illustrator CS3 |
| • Writing and Presentation | MS Office 2010 |

Academic Projects and Programming Participations

- Artificial Intelligent Robot (Autobot-I): A small carrier robot that can be controlled by parallel port using C program. It also can store its path and can able to return to the source point.
- PC Oscilloscope: An oscilloscope connected to PC using USB cable made by RaspberryPi that shows output graph in computer screen.
- UVa : <http://uhunt.felix-halim.net/id/92980>
- LightOj : http://lightoj.com/volume_userstat.php
- CodeForces : http://codeforces.com/profile/just_binoy
- Bioinformatics : http://rosalind.info/users/Binoy_Barman_ICT/

Quantitative and Language Skills

- Language Efficiency:
 - Bangla: Mother Tongue.
 - English: Fluent in writing and speaking.

Extra-curricular activities

- Leadership:
 - Organizer of a Inter University Gaming Contest.
 - Organizer of an ICT Expo 2012, MBSTU.
 - Organized Inter College Math Olympiad 2012, MBSTU.
 - Organizer of Intra Department Study Tour 2014.
- Volunteer:
 - Volunteer of Intra University Programming Contest 2011, 2012.
- Member:
 - Programming Contest Group “MBSTU-Transformers”.
 - MBSTU Science Club.
- Nation Contest Participation:
 - EATL – Phothom Alo Apps Contest 2015.

Reference

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