# Binoy Barman Shubha

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## Research Publication (Published/Accepted)

- 2D Multi-gas Mapper with Cascading Module System along with Wireless Sensor Network. (Conference-ICIEV2016, Paper ID: 112) 10.1109/ICIEV.2016.7759975

- Implementation of Low Cost Stereo Humanoid Adaptive Vision for 3D Positioning and Distance Measurement for Robotics Application with Self-calibration. (Eleventh Asia International Conference on Mathematical Modelling and Computer Simulation, Paper ID: #1570408461)

- 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. 10.5120/cae2015651972

## Academic Qualifications

- Graduate Program
  M.Sc. Engineering in Information and Communication Technology (ICT)
  Mawlana Bhashani Science and Technology University, Tangail, Bangladesh.

- 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:       Assistant Manager Operations
  Time:            March 04, 2017 – Still
  Workspace:    Quintos Business Solutions

## 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.

## 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:
    o Bangla: Mother Tongue.
    o English: Fluent in writing and speaking.

## Extra-curricular activities

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

## Reference

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