

# Binoy Barman Shubha

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## Research Publication (Published/Accepted)

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- 2D Multi-gas Mapper with Cascading Module System along with Wireless Sensor Network. (Conference-ICIEV2016, Paper ID: 112) [10.1109/ICIEV.2016.7759975](#)
- Improved and Adaptive pan method for 3D vision and z-axis measurement for robotics application. (Accepted in IEEE 2017 icIVPR Paper ID: 135)
- 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

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- 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

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- 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

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- 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.

## Research Publications (Manuscript Submitted/Ready for Submission)

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- 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

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

## Research Interest

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

## Scholarship/Award/Grants

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- Government Scholarships:
  - Junior School Certificate Examination Scholarship.
  - Education Board Scholarship in Secondary School Certificate Examination.
  - Government Scholarship in 1<sup>st</sup> 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:
  - 2<sup>nd</sup> 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

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- 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

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|----------------------------|--|
| • 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

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- 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](http://lightoj.com/volume_userstat.php)
- CodeForces : [http://codeforces.com/profile/just\\_binoy](http://codeforces.com/profile/just_binoy)
- Bioinformatics : [http://rosalind.info/users/Binoy\\_Barman\\_ICT/](http://rosalind.info/users/Binoy_Barman_ICT/)

## Quantitative and Language Skills

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

## Extra-curricular activities

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- 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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