Curriculum Vitae

Debashish Das

1. Personal Information

E-mail: ddpapon727@gmail.com
Contact: +8801713817021
Date of Birth: 19th April 1995
Nationality: Bangladeshi
Address: Village: Hilalnogor, P.O: Kadirgonj, Upazila: Baniyachong, District: Habigonj.
Language Known: Bangla, English.
Hobbies: Gaming & interest in learning new things.

2. Objectives

Looking for a hard challenging job where I will have the scope to utilize my potentiality, adaptability and skills to do something innovative and from where I will be able to enhance my knowledge.

3. Education

Degree/Certificate	Subject/Group	Institution/Board	Year of Passing	CGPA/GPA
B.sc	EEE	Leading University, Sylhet	2018	3.56
HSC	Science	Sylhet	2013	4.80
SSC	Science	Sylhet	2011	4.94

4. Job Experience

September 01-continuing….   Position: Mathematics teacher
                                              Brilliance academic care
                                              Electrical supply road ,
                                              Ambherkhana ,Sylhet.

5. Technical Skills

- Languages: Basics of C, Arduino, MATLAB
- Application Tools: Adobe photoshop, Microsoft Office 2016, Autocad, Proteus, Cisco packet Tracer, PLC, Adobe Illustrator, Solidworks.

6. Soft Skills

- Communications Skills
- Team Work
- Patient
- Capacity to hard work
- Time Management

7. Publication

Roy**,** Shotabdi, Hazera, Chowdhury Tasnuva, **Das, Debashish**, Pir, Rumel M.s Rahman, Ahmed, Abu Shakil: A Computer Vision and Artificial Intelligence based Cost-effective Object Sensing Robot. *International Journal of Intelligent Robotics and Applications (IJIRA) (2019)(Springer Publisher)* (Accepted on October 7, 2019)

> In this research, we intend to present an enhanced object detection system incorporating a few well-known computer vision techniques, machine learning algorithms, as well as smart sensors in a more organized way. In essence, a computer vision based system in cooperation with machine learning approach has been employed to detect objects in parallel with a hardware-based ultrasonic sensor unit. The units can not only operate independently but also can cooperate in terms of detection result and hence, this type of approach can be termed as a cooperative object sensing system. Moreover, another key point is the prototype can determine free path to ensure smooth traversing which makes it effective in case of unforeseen scenario. By the same token, this prototype is also able to detect the type of object which is another compelling evidence of its novelty. With this intention in mind, we conducted a field test and evaluated its performance which justified the features specified above.

8. Projects

- **Robotic Hand:**   **Sep 2015-Oct 2015**

The robotic hand is a movable hand which fingers can move using Arduino Uno, Servo motor & Battery which can move like a human hand.

- **Remote Control Light:**   **Nov 2016-Dec 2016**

This is a project using remote & Bluetooth module that a Light can be controlled from a remote distance using a Remote.

- **Gideon: an object detection Robot (B.Sc Project):**   **Jan 2018-Dec 2018**

Gideon is an Artificial Intelligence & Computer Vision based robot which can detect object through sonar sensor and also in MATLAB and can avoid the object on its path of travel. It is designed using Arduino UNO, DC motor, Sonar sensor, Li-Po battery, Motor driver and Computer Vision processed is implemented in MATLAB.

9. Extra-Curricular

Training & Workshop

Sr. no.	Title	Duration	Institute
1	Industrial Technology on Electrical Engineering & instrumentation	20.10.2018 to 15.11.2018	TICI
2	Workshop on "Renewable Energy Source Based Modelling on HOMER Software"	05.02.2019	IEEE LUSB
3	Workshop on PLC	16.09.2017	IEEE SUST
4	Workshop on "Raspberry Pi"	16.07.2017	IEEE LUSB

Other Activities

- Participated in several math Olympiad from 2003 to 2012.
- Participated in several scholarship exams from 2001 to 2008.
- Worked for Picnic arrangement, Cultural programs, Online Registration form making.
- Worked for "EEE Carnival 2018", "Inter-University Cyber Gaming Contest-2015" and various seminars, picnics and events organized by Leading University Electronics Club.
- Former Co-organizer at Leading University Electronics Club in 2017.
- Former Joint-Secretary at Leading University Electronics Club in 2018.
- Former Joint-Secretary at IEEE Leading University Student Branch 2018.
- Participated in 'Inter-University Cyber Gaming Contest-2015' arranged by Dept. of EEE in association with Electronics Club on December 2015.
- Participated in 'EEE Carnival 2018' arranged by Dept. of EEE in association with Electronics Club on January 2018.

10. Awards & Achievements

- Achieved Talent-pool scholarship in Class Eight.
- Achieved General grade scholarship in class Three from Bangladesh kindergarten and pre-cadet school association.
- Achieved 1st grade scholarship in class Eight from Alhaj MD. Fajlul Goni Chowdury (EHIA) junior Scholarship exam.
- Achieved Grameen Bank Scholarship in Jaganathpur area.
- Achieved 3rd grade Scholarship in 27th Shahid Suleman memory primary & Junior Scholarship exam in Class Eight.
- Achieved Scholarship in Class Three from Sylhet Kindergarten Association.
- Achieved A+ in the training at TICI (Training Institute for Chemical Industries) at Palash, Narshingdi.

11. Research interests

- Computer Vision
- Power System
- Artificial Intelligence
- Electronic drivers and controllers

12. Reference

Mrinal Kanti Dhar	Rafiqul Islam	Abu Shakil Ahmed
Assistant Professor	Senior Lecturer	Former Lecturer
Dept. of EEE	Dept. of EEE	Dept. of EEE
Leading University	Leading University	Leading University
Bangladesh	Bangladesh	Bangladesh
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