



MD. ABDULLAH AL HOSSAIN

PERSONAL INFORMATION

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| FATHER'S NAME: | Md. Haidar Ali |
| MOTHER'S NAME: | Mahbuba Khatun |
| DATE OF BIRTH: | December 31, 2001 |
| PRESENT ADDRESS: | Kalachadpur, Varata, Dhaka-1000 |
| PERMANENT ADDRESS: | Sherpur, Mymensing, Bangladesh. |
| MOBILE: | +8801799625673 |
| MARITAL STATUS : | Unmarried. |
| BLOOD GROUP: | AB(-ve). |
| EMAIL: | alhossain2100@gmail.com , |
| PORTFOLIO | Md. Abdullah Hossain's Portfolio |
| LINKEDIN | Md. Abdullah Hossain |

EDUCATION

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| 2020-2024 | Bachelor of Science in Electrical and Electronics Engineering |
| UNIVERSITY | Independent University, Bangladesh (IUB) |
| CGPA | 3.50 out of 4.00 |
| MINOR: | Electronic and Telecommunication Engineering |
| 2016-2018 | Higher Secondary Certificate. |
| COLLEGE | Sherpur Government College (SGC) |
| GPA | 4.00 out of 5.00 |
| GROUP | Science |
| 2016 | Secondary School Certificate |
| SCHOOL | Sherpur Government Victoria Academy (SGVA) |
| GPA | 5.00 out of 5.00 |
| GROUP | Science |

SKILLS

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| SOFT SKILLS | <i>Creativity, Leadership, Adaptability, Teamwork and Collaboration</i> |
| PROGRAMMING LANGUAGES | <i>Python</i> |
| SOFTWARE SKILLS | <i>AutoCAD, Cadence, Cisco Packet Tracer, CST Studio Suite, Matlab, Psim, PSpice, Proteus, PIC C Compiler, Quartus</i> |
| OFFICE & PRODUCTIVITY | <i>Google Sheets, Google Slides, Google Docs</i> |
| LANGUAGE PROFICIENCY | <i>Bangla, English</i> |

PROJECTS

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| IOT-BASED LIQUID MEASUREMENT KIT | Using (Micro-controller) |
| PICK AND PLACE ROBOT | Using (Micro-controller) |
| EARTHQUAKE ALERT SYSTEM | Using (Proteus.) |
| HEART RATE MONITORING SYSTEM | Using (Micro-controller) |
| DESIGN OF A SOLAR POWERED GRID-TIE INVERTER | Using (dual stage buck, boost converters, PSIM.) |
| IOT-BASED SMART POULTRY FARMING | Using (Micro-controller, Actuators, Sensors) |
| DESIGN OF MICRO-STRIP PATCH ANTENNA AT 2.4 GHZ FOR WIRELESS COMMUNICATION | Using (CST Studio Suite.) |
| DESIGN OF AN OBSTACLE DETECTOR CIRCUIT | Using (LM358 Op-Amps.) |
| DESIGN OF A FEEDBACK CONTROL SYSTEM SUCH THAT THE UNIT-STEP RESPONSE OF THE SYSTEM. | |
| DESIGN OF A SMART HOME AUTOMATED TEMPERATURE CONTROL SYSTEM | Using (PIC Compiler and Proteus.) |
| IOT HOME AUTOMATION SYSTEM WITH SECURITY SYSTEM | Using (Micro-controller) |

AWARDS

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| Academic Excellence Awards: | |
| DEAN AWARD | Spring'21. |
| DEAN MERIT LIST | Summer'21. |
| VICE CHANCELLOR AWARD | Autumn'21, Spring'22, Summer'22, Autumn'22. |
| WILDLIFE TRAINING EXCELLENCE AWARD | Rescuing Wildlife Training, Bangladesh Forest Department. |

EXTRACURRICULAR ACTIVITY

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| PARTICIPATED AT TECH-FEST 2022 AND 2023 | Independent University, Bangladesh (IUB) |
| VOLUNTEER | Bangladesh Physics Olympiad (2022, 2023, 2024) |
| VOLUNTEER | Bangladesh Astro Olympiad (2024) |
| VOLUNTEER | Wildlife Rescue and Conservation (Bangladesh Forest Department) |
| DIVISIONAL CHAMPION | Inter-College Tournament (2017) |

SEMINARS AND WORKSHOPS

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| Walton HI Tech Industries PLC | March 8th, 2023 (International Advanced Components and Technology) |
| Workshop on VLSI Designing. | February 3rd, 2024 (IUB Campus) |
| Workshop on AutoCAD | March 27th, 2024 (IUB Campus) |
| Workshop on Computer Networking | April 25th, 2024 (IUB Campus) |

RESEARCH INTEREST

Power Electronics & Renewable Energy Technology

THESIS

Design & Development of an energy efficient solar powered portable oil extractor.

REFERENCES

1. ENGR. MAHBUBUR RAHMAN *Chief Engineer and Project Director (Rtd.), ESPSN (G2G) project, DPDC.
Email: mahbubur416@gmail.com
Contract: 01708119001*
2. DR. FARHAD ALAM *Associate Professor and Head of Physical Sciences Department, Independent University Bangladesh (IUB).
Email: farhad@iub.edu.bd
Contract: 01712944840*
3. DR. JEBUNNAHAR KHANDAKAR *Associate Professor, Department of Life Sciences, Independent University Bangladesh (IUB).
Email: dr.khandakar@iub.edu.bd
Contract: 01795017012*
4. MD. ABDULLAH AL MAMUN *Additional Superintendent of Police (Addl. SP), District Special Branch (DSB), Tangail District Police.
Email: mamun340@gmail.com
Contract: 01721788856*



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