Dear Sir,

I'm writing to express my interest in working in Mechatronics / Automation Engineering field.  
  
My combination of creative talent, technical expertise, and internship training experience make me a strong Engineering candidate. As a graduate of Physical Science of University of Ruhuna and  as a recent graduate of Mechatronics Engineering Technology of Open University of Sri Lanka, I believe I am a strong candidate for working in Mechatronics / Automation Engineering field.

In view of the above I have herewith attached my Curriculum Vitae (CV).

I can be reached via email at [almbushry@gmail.com](mailto:almbushry@gmail.com) or cell phone.

Thank for your time and consideration. I look forward to speaking with you about this employment opportunity.  
  
  
Best Regards.  
Bushry.

A.L.M. Bushry,  
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MOHAMED BUSHRY

No. 284, Dhehigahakotuwa, Madawala Bazaar.

Tel: +94 812470876 Mobile: +94 755054307, +94 729875695  
Email: almbushry@gmail.com

**CAREER OBJECTIVE**

*Looking for an opportunity to improve the skills through the capacities and capabilities in the field of Mechatronics that can provide professional stability and confidentiality while being resourceful to the industry by offering as much as possible*

**EDUCATIONAL QUALIFICATIONS**

**Open University of Sri Lanka, Nawala**

Bachelor of Technology in Mechatronics Engineering, December 2013

*Relevant courses*: Control Systems Engineering, Sensors and Actuators, Vibration and Fault Diagnosis, Microprocessors and Interfacing, Engineering Mathematics, Power Electronic and Motor Drives, Machine Vision, Material and Manufacturing Technology, Dynamics of Mechanical Systems, Factory Automation, Robotics, Modern Control Systems

**University of Ruhuna, Matara**

Bachelor of Science in Physical Science, May 2012

*Relevant courses*:

Major- Mathematics, Chemistry, Computer Science

Optional- Physical fitness & health management, Accounts, Management, Communication skills, Computational statistics, Electronics, Microcontroller practical, E-Commerce, Advanced software engineering concepts, Internet services & protocols

**G.C.E. A/L (2003) at Madina National School, Madawala Bazaar**

Passed with B & 2C’s in Combined Mathematics stream

**G.C.E. O/L (2000) at Madina National School, Madawala Bazaar**

Passed with 6D & 4C’s

**WORK EXPERIENCE**

**Nippon Plastic Industries (Pvt) Ltd, Kurunegala**

*Student Intern,* January 2011- June 2011

* + - Got familiarized with hydraulic and pneumatic systems of molding machines
    - Got familiarized with working methods of basic electrical and electronic devices of molding machines
    - Assisted the rewiring work in Tatming TME-75 injection molding machine
    - Detected and rectified the faults encountered in hydraulics circuits while the machines are in operation
    - Practiced with the maintenance routine of molding machines

**Brandix Casualwear Ltd, Ekala, Ja-Ele**

*Student Intern,* September 2011- February 2012

* + - Designed and built Marking Table for marking the loop position on trouser cut-outs
    - Actively involved in design and production of Dip Dye Machine that for apparel dyeing process
    - Developed Auto Loop Cutter Machine such as cuts and shifts six by six loops continuously using Array controller
    - Converted controller of Velcro Cutting Machine from Thinget to Array as economical solution
    - Designed and constructed Regiform (Polystyrene) Ball Sucker Machine for making cloud works on T-Shirts by burning dye of fabric using Potassium permanganate (KMnO4)
    - Actively involved to design and production of Unloading Bay Conveyor system to reduce time of unloading in stock handling section

**PROJECTS**

**Blocking System Unauthorized Use of ATM Machines**

* + - Designed and built a system to block unauthorized use of ATM machines
    - Constructed the system for detecting persons with unrecognizable wearing using image processing
    - Used skin colour information and haar feature techniques to determine recognizable face of user
    - Modeled the ATM cabin door system with fail secure electric strike lock control using Arduino Uno

**Unloading Bay Conveyor Project**

* + - Designed and built a conveyor system for loading and unloading fabric rollers with other teammates
    - Used Solid Works 2009 to design the model and the assembly & the part drawings for each and every part of the conveyor
    - Constructed the conveyor part to be placed inside the container as adjustable and extendable in 40’ container
    - Designed the adjustable part using gear mechanism with three trays which can slide on lower tray
    - Constructed the conveyor part to be placed on the unloading bay as combination of three separate conveyors

**Vehicle Security Controlling System**

* + - Designed and built a vehicle security controlling system with three other teammates
    - Used PIC 16F877A Microcontroller for controlling main functions
    - Designed the model with different four digital password for Start, Security, Lock and Unlock functions
    - Developed the model with password changing option

**Mechatronics Product design Project**

* + - Designed and built a machine to move continuously along the C shaped iron plate and to stop at the white spot specified
    - Developed the machine for running with internal power supply

**Regiform Ball Sucker Machine**

* + - Designed and built a Regiform Ball Sucker Machine for making cloud works on T-Shirts by burning dye of fabric using Potassium permanganate (KMnO4)
    - Practiced solid works sheet metal in producing curvy shapes to the openings of vacuum chamber
    - Used stainless steel covering, JB weld and rivet in machine construction to avoid the reaction between KMnO4 and Fe & Al
    - Developed sucking end with a scoop to enlarges the space of the free surface than the round shapes and to get the higher efficiency of sucking
    - Developed the vacuum chamber with rotor and pneumatic gate for proper delivering of sucked regiform ball in to the dye burning section

**Exam Registration, Scheduling and Monitoring System**

* + - Designed and constructed a system to register the semester end exams online with my teammates
    - Developed the system with separate registration options of supervisor, student, invigilator, laboratory and exam halls
    - Cooperated with my team to combine ideas and to make, document and present a final system

**Dip Dye Machine Project**

* + - Designed and constructed a Dip Dye Machine for apparel dyeing process
    - Constructed the dyeing tank with two specific dyeing facility at the same time
    - Practiced and developed Array PLR controller program
    - Constructed material dipping part with the facility of mechanically controllable dipping depth into the dye tank
    - Developed the control action on dyeing time with adjustable raising and falling time into the dye tank

**SKILLS**

Programming : C++, Java, HTML, 8051 Assembly Language, PHP

Software : Matlab, AutoCAD, MS Office, SolidWorks

Language : English (Proficient), Tamil (Fluent), Sinhala (Proficient), Arabic (Conversant)

**EXTRA CURRICULAR ACTIVITIES**

* + - Involved in social works organized by faculty student union and by civil organizations
    - Took part in Leadership Program conducted by Young Men’s Muslim Association (YMMA) in 2012
    - Participated annual school sports meet, university fresher’s meet and faculty day competition
    - Employed as Monitor of classroom, Member of Muslim Majlis, etc.
    - Participated Meeladun Nabi Competition, Maths Competition, Essay Competition, etc.

**PERSONAL INFORMATION**

Name in full : Abdul Latheef Mohamed Bushry

Sex : Male

Nationality : Sri Lankan

Date of Birth : 28’th of June 1984

Civil Status : Single

NIC. No. : 841800931v

**REFEREES**

**Eng. WR de Mel**

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Department of Mechanical Engineering,

Open University of Sri Lanka,

Nawala, Nugegoda.

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**Eng. Sarath de Silva**

Factory Manager/Engineer,

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Bathalagoda, Ibbagamuwa,

Kurunegala.

Tel: +94 375671256

Mobile: +94 777007594

I do hereby solemnly declare that the above particulars furnished by me are true and accurate to the best of my knowledge.

A.L.M. Bushry