

CURRICULUM VITAE

جامعة الأزهر
Al-Azhar University-Gaza



Ahmed Abdulraouf Abdulrahman Issa

Last Update:22/01/2016

PERSONAL DETAILS

Date Of Birth	15/10/1978	Place Of Birth	Rafah
Nationality	Palestinian		
Marital Status	Married	Gender	Male
Designation	Assistant Professor, Head of Engineering Department		
Department	Engineering Department		
Faculty	Engineering and Information Technology		
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Address (Home)			
HURL			

ACADEMIC QUALIFICATIONS

(YEAR , QUALIFICATION , INSTITUTION , TITLE)

2007	Doctoral Degree, PHD, Dublin City University - Ireland (PhD Degree in Mechanical and Manufacturing Engineering. Research topic: Computational Control of Laser Systems for Micro-machining)
2001	Bachelor Degree, BSC, International Islamic University Malaysia (Bachelor Degree in Mechatronics Engineering (Honours))
1996	Diploma, General Secondary Education Examination, TAWJIHI (Palestine based on the Egyptian Curriculum, CGPA 95.1%)
1995	Diploma, British Council – Gaza, Palestine (Completed the FCE course (Cambridge University First Certificate in English))

CAREER HISTORY

(START DATE - END DATE, EMPLOYMENT , ORGANIZATION)

2011 ,2011	Trainer, LabVIEW Course ,Engineering Center for Research and Development – Gaza
2013 ,2013	Trainer, LabVIEW Course ,Continuing Education & Society Serving Centre,Al Azhar University–Gaza
2012 ,2012	Trainer, Short course in LabVIEW ,Mechanical Engineering Department, Islamic University Gaza
2006 ,2006	Assistant Lecturer, LabVIEW for academic staff ,Carlow Institute of Technology, Carlow-Ireland
2004 ,2007	Automation of the mechanics laboratory experiments ,Mechanical and Manufacturing Engineering School, DCU, Ireland
2002 ,2002	Lab assistant of manufacturing technology course ,Mechanical and Manufacturing Engineering School, DCU, Ireland
2010 , till now	Assistant Professor ,Engineering Department, Faculty of EIT, Al Azhar University - Gaza
2011 ,2012	Part-time lecturer ,Mechanical Engineering Department, Islamic University Gaza
2008 ,2009	Automated RF and Wireless MTS/ATE Design Engineer ,Benetel Ltd., Taylor's Lane, Dublin, Ireland
2006 ,2008	Part-Time lecturer ,Mechanical and Manufacturing Engineering School, DCU, Ireland

ADMINISTRATIVE DUTIES

(START DATE - END DATE , ROLE ,LEVEL)

2006 ,2006	Member-Organising Committee, International Conference VAFSEP 2006, Dublin City University, Ireland ,University
2004 ,2004	Member-Organising Committee, International Conference VAFSEP 2004, Dublin City University, Ireland ,University
2003 ,2007	Treasurer of the Science and Technology Society, Dublin City University, Ireland ,University
2000 ,2000	Organizer of the Palestinian cultural exhibition at the International Islamic University Malaysia ,University
2015 , till now	Head of the Engineering Department, Faculty of EIT, Al Azhar University - Gaza ,Faculty
2012 ,2012	Head of organising committee of the first EEEIT, Al Azhar University - Gaza ,Faculty
2011 ,2012	Coordinator of final year projects at the Faculty of EIT, Al Azhar University - Gaza ,Faculty
2013 ,2014	Director of the Continuing Education and Society Serving Centre, Al Azhar University – Gaza ,University

PROFESSIONAL AFFILIATION/MEMBERSHIP

(YEAR , ORGANISATION , ROLE , LEVEL)

2015 Higher Council for Innovation and Excellence – Palestine – HCIE, Consultant member of the technical judge committee, National

2015 Equivalence committee of non-Palestinian certificates, Ministry of Education and Higher Education, Member of the technical committee (Applied Sciences and Engineering), National

2015 Palestinian Incubator for Energy – Palestine – PIE, Consultant member of the technical judge committee, National

2015 Editorial board of Journal of Al Azhar University – Gaza (Natural Sciences), Associate Editor Board Member, University

2014 Aknan Tech – Palestine, Consultant of Mechatronics and Automation Engineering, National

2012 Palestinian Information and Communication Technology Association, PICTA, Palestine, Honorary Member, National

2012 Advanced Processing Technology Research Centre (APT) – Ireland, External Affiliate Member, International

2008 National Instruments, Certified LabVIEW Associate Developer, International

2005 Institution of Mechanical Engineers, IMechE, UK, Affiliate Member, International

2005 Institute of Engineers Ireland, IEI, Ireland, Member, International

2002 Association of Engineers - Gaza, AEG, Palestine, Member, National

AREAS OF EXPERTISE

(AREA)

Manufacturing technologies , E-Teaching and E-Learning methods , Automation of engineering laboratory experiments , Automated manufacturing test systems , Laser control and micromachining , Control systems and automation , LabVIEW and TestStand programming , Sensors and actuators technologies , Rapid prototyping technologies ,

SELECTED PUBLICATIONS

- Article in Academic Journal

- 1 S.M. Karazi, A. Issa and D. Brabazon (2009) . Comparison of ANN and DoE for the prediction of laser machined micro-channel dimensions, Optics and Lasers in Engineering, 47(9)() , 956 – 964. (ISI Cited Publication)
- 2 S.A. Mazlan, A. Issa, H.A. Chowdhury and A.G. Olabi (2009) . Tensile Stress-Strain Relationships of Magnetorheological Fluids under Various Factors, Solid State Phenomena, 154() , 127-132. (ISI Cited Publication)
- 3 S.A. Mazlan, A. Issa, H.A. Chowdhury and A.G. Olabi (2009) . Magnetic Circuit Design for the Squeeze Mode Experiments on Magnetorheological Fluids, Materials and Design, 30() , 1985-1993. (ISI Cited Publication)
- 4 Issa, A., Brabazon, D., and Hashmi, S. (2008) . 3D transient thermal modelling of laser microchannel fabrication in lime-soda glass, Journal of Materials Processing Technology, 207(1-3) , 307-314. (ISI Cited Publication)
- 5 S.A. Mazlan, A. Issa and A.G. Olabi (2008) . Magnetorheological Fluids Behaviour in Tension Loading Mode, Advanced Materials Research, 47-50() , 242-245. (ISI Cited Publication)

- Proceedings

- 1 Ahmed Issa, Karem Abu Ouda, Bakir El Wawi and Anis Abu Hamad (2012) . Inline Water Quality Monitoring System,15th Student Innovative Summit, organised by the Arab Council for Training Students of Arab Universities, Imam Mohammad Bin Saud Islamic University,Riyadh, KSA,17th – 21st November 2012,. (ISI Cited Publication)
- 2 Ahmed Issa and Patrick O'Halloran (2009) . Building an Automated Audio Amplifier Manufacturing Test System Using NI LabVIEW and NI TestStand,NIDays09 World Wide Graphical System Design Conference, Case Studies Booklet,,,68 – 69. (ISI Cited Publication)
- 3 S.A. Mazlan, A. Issa, H.A. Chowdhury and A.G. Olabi (2008) . Tensile Stress-Strain Relationships of Magnetorheological Fluids under Various Factors,The European Materials Research Society (E-MRS) Fall Meeting, Warsaw University of Technology,Warsaw, Poland,15-19-Sep-2008,. (ISI Cited Publication)
- 4 S.A. Mazlan, A. Issa and A.G. Olabi (2008) . Magnetorheological Fluids Behaviour in Tension Loading Mode,The International Conference on Multi-Functional Materials and Structures, Hong Kong, China, Edited by A.K.T. Lau, J. Lu, V.K. Varadan, F.K. Chang, J.P. Tu and P.M. Lam, ISBN 978-0-87849-378-4, Part 1,Hong Kong, China,28-31-Jul-2008,242-245. (ISI Cited Publication)
- 5 Brabazon, D., Issa, A. and Hashmi, S. (2008) . Fabrication of micro-fluidic channels with Nd:YVO4 and CO2 laser system,Photon 2008, Edinburgh Conference Centre, Heriot-Watt Campus,Edinburgh,26-29-Aug-2008,. (ISI Cited Publication)
- 6 Greene, R., Issa, A., Smyth, P., Brabazon, D., and McLoughlin, E. (2007) . Development of interactive and remote learning instruments for engineering education,International Symposium for Engineering Education, ISEE 2007, Dublin City University,Dublin, Ireland,17-19-Sep-2007,149 - 155. (ISI Cited Publication)
- 7 Brabazon, D., Issa, A., and Hashmi, S. (2007) . Laser induced plasmas for enhanced biomedical applications,Plasma processes for biomedical applications workshop, NCPST, Dublin City University,Dublin, Ireland,24-May-2007,8. (ISI Cited Publication)
- 8 Issa, A., Brabazon, D., and Hashmi, S. (2007) . Experimental study of glass surface ablation by a pulsed CO2 laser beam,Surface Engineering Symposium, Dublin City University,Dublin, Ireland,7-Sep-2007,27 – 33. (ISI Cited Publication)
- 9 Issa, A., Brabazon, D., and Hashmi, S. (2007) . Laser system automation using LabVIEW and a PCI E-Series Board for 3D internal micromachining,NI Days 2007-Virtual Instrumentation in Practice (VIP)/Learning with LabVIEW Paper Contest, IET, Savoy Place, London,London, UK,25-Oct-2007,22 – 23. (ISI Cited Publication)
- 10 Issa, A., Brabazon, D., and Hashmi, S. (2006) . Improvement of lime soda glass laser microfabrication processing parameters using design of experiments,7th National Conference on Rapid Design, Prototyping, and Manufacture, Buckinghamshire Chilterns University College, Edited by D.M. Jacobson, A.E. Rennie, C.E. Bocking, MJA Print, ISBN 0-948314-494,Buckinghamshire, UK,16-Jun-2006,9 - 20. (ISI Cited Publication)
- 11 Issa, A., Brabazon, D., and Hashmi, S. (2006) . Process modelling of micro channel production using CO2 laser in silica glass using RSM,International Conference on Advances in Materials Processing and Technologies, Ohio University, Las Vegas, NII6, 103,Las Vegas, USA,30-July-3-Aug-2006,1 - 5. (ISI Cited Publication)
- 12 Issa, A., Brabazon, D., and Hashmi, S. (2006) . 3D transient thermal modelling of laser micro-channel fabrication in lime soda glass,International Conference on Advances in Materials Processing and Characterization, Anna University, Chennai, India, Eds. Karunamoorthy, D. Viswanathan, K. Padmanabhan, ISBN: 81-88237- L. 75-2,Chennai, India,28-30-Aug-2006,824 - 832. (ISI Cited Publication)

- 13 Issa, A., Brabazon, D., and Hashmi, S. (2006) . Laser-induced plasma effects on the process of microchannel fabrication in glass using CO2 laser, 17th Annual Conference of the Irish Plasma and beam processing group in conjunction with the 15th Symposium on Fusion research in Ireland, NCPST, Dublin City University, Dublin, Ireland, 13-14-Jun-2006,. (ISI Cited Publication)
 - 14 Issa, A., Brabazon, D., and Hashmi, M.S. (2005) . Three Dimensional microfabrication in polycarbonate using nano-second laser pulses, 8th Annual Sir Bernard Crossland Symposium, Queens University Belfast, ISBN 1898012733, Belfast, Northern Ireland, 6-7-Apr-2005, 11-28. (ISI Cited Publication)
 - 15 Issa, A., Brabazon, D., and Hashmi, M.S. (2005) . Computer control of Nd:YVO4 laser system for 3 dimensional microfabrication in polymers, 6th National Conference on Rapid Design, Prototyping, and Manufacture, Buckinghamshire Chilterns University College, Edited by D.M. Jacobson, A.E. Rennie, C.E. Bocking, ISBN 0-9737783-1-8, Buckinghamshire, UK, 10-Jun-2005, 35 - 44. (ISI Cited Publication)
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RESEARCH PROJECTS

(FROM - TO , PROJECT_TITLE , ROLE , SOURCE , LEVEL)

2016 ,2017	A Communication Device for Disabled and War-Wounded People through Speech and Hand Gestures ,Co-Principal Investigator ,Qatar Charity - IBHATH Fund ,National
2016 ,2017	Design and Development of a Solar Sterling Engine for Electricity Generation ,Co-Principal Investigator ,Qatar Charity - IBHATH Fund ,National
2016 ,2017	Fabrication and Characterization of Dye Sensitized Solar Cells using Nanostructured Materials ,Co-Principal Investigator ,Qatar Charity - IBHATH Fund ,National

AWARDS AND RECOGNITIONS

(YEAR , NAME , INSTITUTION, LEVEL)

2013 , Winner (First Prize), Exhibition and Competition at 1st International Conference on Applied Sciences ,University College of Applied Sciences ,National

2013 , Winner (Third Prize), Exhibition and Competition at 1st International Conference on Applied Sciences ,University College of Applied Sciences ,National

2012 , Winner (First Prize), First EEEIT Competition ,Al Azhar University - Gaza ,University

2012 , Winner (First Prize), Made In Palestine Exhibition and Competition 2012 ,Al Nayzak Organization for Supportive Education and Scientific Innovation ,National

2007 , Winner (First Prize), NIDays 2007 Paper Contest, World Wide Virtual Instrumentation Conference ,National Instruments ,International

PRESENTATIONS

(TITLE ,EVENT ,DATE ,ORGANISER ,LEVELL)

Invited Speaker

- * Laser System Automation using LabVIEW and a PCI E-Series Board for 3D Internal Micromachining ,NI LabVIEW in the Curriculum Academic Summit ,29 -Nov-2007 ,National Instruments at Dublin City University, Ireland (National).

Others

- * Competitor: Development of a Vending Machine ,1st International Conference on Applied Sciences ,24-25-Sep-2013 ,University College of Applied Sciences – Gaza, Palestine (National).
- * Competitor: Automatic Guidance Stick for the Blind ,1st International Conference on Applied Sciences ,24-25-Sep-2013 ,University College of Applied Sciences – Gaza, Palestine (National).
- * Competitor: E-Learning Android Application ,1st International Conference on Applied Sciences ,24-25-Sep-2013 ,University College of Applied Sciences – Gaza, Palestine (National).
- * Competitor: Multimedia Encryption/Decryption System ,1st International Conference on Applied Sciences ,24-25-Sep-2013 ,University College of Applied Sciences – Gaza, Palestine (National).
- * Competitor: Voice Operated Wheelchair for the Physically Impaired ,1st International Conference on Applied Sciences ,24-25-Sep-2013 ,University College of Applied Sciences – Gaza, Palestine (National).
- * Competitor: Inline Water Quality Monitoring System ,Made In Palestine Exhibition and Competition 2012 ,6-9-Dec-2012 ,Al Nayzak Organization, Gaza and West Bank, Palestine (National).
- * Competitor: 3D Laser Beam Scanning System ,Made In Palestine Exhibition and Competition 2012 ,6-9-Dec-2012 ,Al Nayzak Organization, Gaza and West Bank, Palestine (National).
- * Competitor: Online Distance Learning System for Engineering Labs ,Made In Palestine Exhibition and Competition 2012 ,6-9-Dec-2012 ,Al Nayzak Organization, Gaza and West Bank, Palestine (National).
- * Exhibition Corner: Inline Water Quality Monitoring System ,1st EEEIT: Exhibition of Excellence in Engineering and Information Technology ,1-3-Oct-2012 ,Faculty of EIT, Al Azhar University – Gaza, Palestine (University).
- * Exhibition Corner: 3D Laser Beam Scanning System ,1st EEEIT: Exhibition of Excellence in Engineering and Information Technology ,1-3-Oct-2012 ,Faculty of EIT, Al Azhar University – Gaza, Palestine (University).
- * Exhibition Corner: Online Distance Learning System for Engineering Labs ,1st EEEIT: Exhibition of Excellence in Engineering and Information Technology ,1-3 -Oct-2012 ,Faculty of EIT, Al Azhar University – Gaza, Palestine (University).
- * Exhibition Corner: 3D Powder Printer System ,1st EEEIT: Exhibition of Excellence in Engineering and Information Technology ,1-3-Oct-2012 ,Faculty of EIT, Al Azhar University – Gaza, Palestine (University).
- * Exhibition Corner: Inline Water Quality Monitoring System ,EXPOTECH Technology Week 2012 ,7-11-Nov-2012 ,Palestinian Information Technology Association of Companies – PITA, Gaza (National).
- * Exhibition Corner: 3D Laser Beam Scanning System ,EXPOTECH Technology Week 2012 ,7-11-Nov-2012 ,Palestinian Information Technology Association of Companies – PITA, Gaza (National).

Others	* Exhibition Corner: Online Distance Learning System for Engineering Labs ,EXPOTECH Technology Week 2012 ,7-11-Nov-2012 ,Palestinian Information Technology Association of Companies – PITA, Gaza (National). * Competitor and Presenter: 3 Dimensional Micromachining of Polymer Materials ,IMechE Speak out for Engineering Competition ,4-Feb-2005 ,IMechE, University College Dublin, Ireland (National).
Poster	* Direct writing of microchannels in glass with a CO2 laser system ,Plasma Processes for Biomedical Applications one-day workshop ,24-May-2007 ,National Centre for Plasma Science and Technology, Dublin City University, Ireland (National). * Microfabrication in polycarbonate with a Nd:YVO4 laser system ,Plasma Processes for Biomedical Applications one-day workshop ,24-May-2007 ,National Centre for Plasma Science and Technology, Dublin City University, Ireland (National). * Exploration of principles and applications of internal microfabrication in dielectrics ,Plasma Processes for Biomedical Applications one-day workshop ,24-May-2007 ,National Centre for Plasma Science and Technology, Dublin City University, Ireland (National). * Laser micromachining of transparent materials: Theory and Applications ,Photonics Ireland 2007, Galway Bay Hotel, Salthill, Galway. ,24-26-Sep-2007 ,University College Galway, Ireland (National).
Presenter	* 3 Dimensional Microfabrication in Polycarbonate Using Nanosecond Laser Pulses ,Science and Technology Society, Seminar Series ,25-Feb-2005 ,Science and Technology Society, Dublin City University, Ireland (University). * Laser Microfabrication in Soda-Lime Glass: Theory and Experimental Results ,Seminar at the National Centre for Plasma Science and Technology ,28-Jul-2006 ,National Centre for Plasma Science and Technology, Dublin City University, Ireland (University). * Overview of Laser 3D Microfabrication in Polymers ,Rapid Manufacturing Technologies Seminar ,3-Apr-2007 ,Mechanical and manufacturing engineering school, Dublin City University, Ireland (University).

EXPERT/TECHNICAL CONTRIBUTIONS

(ACTIVITY ,ORGANISATION ,ROLE ,FROM ,UNTIL ,LEVEL)

5th Technological Summit ,Islamic University Gaza ,Jury Member at the ,2011 , ,National
Development of the undergraduate engineering laboratories at Faculty of EIT ,Al Azhar University – Gaza
,Technical committee member ,2011 , till now ,University
Workshop on E-Government and cooperation with Academic Institutes ,Ministry of Telecommunication and
Information Technology ,Representative of Al Azhar University – Gaza ,2012 , ,National
Workshop on 5 Years Strategy Plan for PICTA ,Palestinian Information and Communication Technology
Association – PICTA ,Representative of Al Azhar University – Gaza ,2012 , ,National
Mechatronics program accreditation committee: Series of workshops and meetings ,Association of
Engineers Gaza ,Representative of Al Azhar University – Gaza ,2012 , ,National

TEACHING

(LEVEL , COURSE)

First Degree

- * Robotics and Automation (5th year module), Al Azhar University - Gaza
- * Data Acquisition and Signal Processing (4th year module), Al Azhar University - Gaza
- * Engineering Mathematics I (1st year module), Dublin City University - Ireland
- * Introduction to Engineering (1st year module), Al Azhar University - Gaza
- * Mechatronics Components (3rd year module), Al Azhar University - Gaza
- * Automatic Control Systems (1) (3rd year module), Al Azhar University - Gaza
- * Automatic Control Systems (2) (4th year module), Al Azhar University - Gaza
- * Mechatronics Design (1) (5th year module), Al Azhar University - Gaza
- * Mechatronics Design (2) (5th year module), Al Azhar University - Gaza
- * Industrial Systems Design and Integration (5th year module), Al Azhar University - Gaza
- * Digital Control Systems (5th year module), Al Azhar University - Gaza
- * Advanced Microtechnologies (5th year module), Al Azhar University - Gaza
- * Engineering Drawing with CAD (2nd year module), Islamic University Gaza
- * Mechanical Work Shop Practice (2nd year module), Islamic University Gaza
- * Design of Experiments (4th year module), Islamic University Gaza
- * Fundamentals of control systems (3rd year module), Dublin City University - Ireland
- * Instrumentation and measurements (3rd and 4th year module), Dublin City University - Ireland
- * Modern Multivariable Control (5th year module), Al Azhar University - Gaza

SKILLS

(SKILL , PROFICIENCY)

Languages: Bahasa Malay - Fair ,Good

Languages: English - Fluent ,Excellent

Languages: Arabic - Native ,Excellent

Robotics: Able to task-program the DENSO six-axis robot manipulator and the FANUC welding robot ,Very Good

Manufacturing processes: Capable of performing the principal manufacturing processes (mould casting, milling, drilling, centre lathe, welding, CNC machines) ,Very Good

Other application software: MS Office, MS Visio, MS Works ,Excellent

Web and graphical design: Macromedia Flash, Dreamweaver, Fireworks, Adobe Photoshop, ImageStyler, PageMill ,Very Good

Database programming: MySQL, Microsoft Access ,Very Good

Programming languages: ANSI C, FORTRAN, Pascal, Visual Basic ,Very Good

Experimental design: Knowledgeable with statistical design and analysis of experiments using Stat-Ease Design-Expert ,Very Good

Computer aided design: MICROSTATION and AutoCAD ,Very Good

Systems simulation and analysis: MATLAB, SIMULINK for simulation and analysis of control systems.

Ansys WorkBench for simulation and analysis of dynamic and thermal systems ,Very Good

Design and automation of engineering laboratory experiments ,Excellent

Development of computer based engineering learning-teaching tools ,Excellent

Rapid prototyping technologies ,Excellent

Laser micromachining and processing of materials ,Excellent

Test systems: experienced with manufacturing test systems (MTS) development and control using TestStand ,Excellent

Control systems: experienced with systems control, automation and monitoring using LabVIEW ,Excellent

TRAINING COURSES

(YEAR , COURSE NAME , PLACE , INSTITUTION , PERIOD)

2011 ,Extensive and specialised course on Jerusalem and the Holy Places ,Gaza, Palestine ,AlQuds International Institution – Gaza ,Feb-Jun - 2011

2003 ,Basics of vacuum technology ,Dublin, Ireland ,SF Indus Training Ltd in conjunction with Dublin City University ,Jul - 2003

2002 ,Series of training seminars on the plasma technology ,Dublin, Ireland ,Enterprise-Ireland ,Sep - 2002

2002 ,Attended most of the National Instruments courses and trainings ,Dublin, Ireland ,National Instruments ,2002-2007

2001 ,Undergraduate industrial training ,Kuala Lumpur, Malaysia ,Autotest Engineering Sdn Bhd ,Jul - 2001

Graduation Projects 2011-2012

1 Design and Development of an Inline Water Quality Monitoring Device, B.Eng in Mechatronics

2 Design and Development of a 3D Laser Beam Scanning System, B.Eng in Mechatronics

3 Design and Development of a 3D Powder Printer Machine, B.Eng in Mechatronics

4 Design and Development of an Automated Storage Retrieval Machine, B.Eng in Mechatronics

5 Design and Development of an Online Distance Learning System for Engineering Labs, B.Eng in Computer and Communications

Graduation Projects 2012-2013

- 1 Design and Development of an Inline Water Quality Monitoring SCADA System, B.Eng in Computer and Communication
- 2 Design and Development of a Multimedia Encryption/Decryption Software, B.Eng in Computer and Communication
- 3 Design and Development of a Voice Operated Wheelchair for the Physically Impaired, B.Eng in Computer and Communication
- 4 Design and Development of an E-Learning Application using Android, B.Eng in Computer and Communication
- 5 Design and Development of a Vending Machine, B.Eng in Mechatronics
- 6 Design and Development of a Radar Speed Gun Gadget, B.Eng in Computer and Communication
- 7 Design and Fabrication of an Automatic Guidance Stick for the Blind, B.Eng in Computer and Communication
- 8 Design and Development of an Automated Solar Cell Tracking System, B.Eng in Computer and Communication

Graduation Projects 2014–2015

- 1 Design and Development of a Delta Robot, B.Eng in Mechatronics
- 2 Design and Development of a Wireless Wearable Camera Tracking Gadget, B.Eng in Computer and Communication
- 3 Design and Development of a Smart Rotary Parking System, B.Eng in Mechatronics
- 4 Design and Development of a Three-Wheeled Mobile Robot, B.Eng in Mechatronics
- 5 Design, Development and Analysis of a Parabolic Mirror for Solar Light Collection, B.Eng in Mechatronics
- 6 Design and Development of an Automatic Keys Storage and Retrieval Device, B.Eng in Computer and Communication
- 7 Design and Development of an Automatic Pill Dispenser Device, B.Eng in Mechatronics