

## AE PUBLICATION LIST 2012 AND OTHERS

Ser no.	Dept	Paper name	Authors name	Journal/conference	Published/accepted
1.	AE	TOGETHER WE GROW.....In the limitless sky	Md. Abdus Salam NC Chattopadhyay	MIST Journal, Vol-1, pp 32-34, [ISSN: 2224-2007], 2012	published
2.	AE	Jet noise ménage: a review	Md. Abdus Salam, NC Chattopadhyay Jalal Uddin Rumi	MIST Journal, Vol-1, pp 62-70, [ISSN: 2224-2007]	published
3.	AE	Jet Noise Control	GpCapt NC Chattopadhyay	MIST Journal 2012	published
4.	AE	Role of Chevrons in Engine Noise Control	GpCapt NC Chattopadhyay	MIST Journal 2012	published
5.	AE	Review article of history of evolution in cockpit instrument	WgCdr Nikhil Verma, RafiulHossainShihab, AsmaTabassum	MIST Journal 2012	published
6.		B.I.T enabled WDM avionics optical network: a study in reliability MTBF and comparison with non-BIT based avionics maintenance cycle	WgCdr Nikhil Verma MdEasir Arafat Papon	MIST Journal 2012	published
7.	AE	Application of Interactive Multimedia inteaching avionics instrumentation & measurement	WgCdr Nikhil Verma	MIST Journal 2012	published
8.	AE	An Experimental Investigation of Wind Load on Tall Buildings with Hexagonal Cros-section	Kazi Ronak Sultana, Dr. Amalesh Chandra Mondal	Galaxy, 2010 (ISSN20736444) Vol-2, PP(55-61)	published
9.	AE	Review article of history of evolution in cockpit instrument	WgCdr Nikhil Verma RafiulHossainShihab AsmaTabassum	MIST Journal 2012	published
10.	AE	Review article on history of evolutionin cockpit instrumentsand emergence of all glass cockpit	RafiulHossainShihab AsmaTabassum	Galaxy, 2012	published
11.	AE	Comparison between non-linear MESFET Models : A Case Study	Muhammad SalauddinKabir	MIST Journal 2012	published
12.	AE	An Analysis of Wing Morphing	BodiuzzamanJony	GALAXY, 2012	published
13.	AE	Study of mechanical product based small and medium Enterprises of Bangladesh and Improvement of ASelected Product	Md. Abdus Salam, BhuiyanShameemMahmoodEbnaHai	Galaxy, Vol-2,pp 26-30 [ISSN:2073-6444 ]	published

14.	AE	Study of Aerodynamics of a Cricket Ball	BhuiyanShameem, Md. Abdus Salam	Galaxy, Vol-1, pp 23-25[ISSN:1999- 2009 ], 2009	published
15.	AE	Design and Study of Electromagnetic Characteristics of H-Band Waveguide	GpCaptMdHosyam-E- Haider, Tanjila Ahmed, Samiul Islam	Journal of theBangladesh ElectronicSociety(BES), Jun-Dec 2009	published
16.	AE	<i>Solar Power Enhancement Using Concentration Method, Tracking System and Fuzzy Based Control System</i>	Md. SalauddinKabir	pg:464-468, ISBN 978-1-4673-4833-1, 15th ICCIT 2012	published
17.	AE	Design and Study of Electromagnetic Characteristics of H-Band Waveguide	GpCaptMdHosyam-E- Haider, Tanjila Ahmed	Journal of the Bangladesh Electronic Society(BES, Jun-Dec 2009	published

## AE PUBLICATION LIST 2013

Ser no.	Dept	Paper name	Authors name	Journal/conference	Published/accepted
1.	AE	A Study of Reliability and Failure Rate for Comparing BIT and non-BIT maintenancecycles in AONA	1. WgCdr Nikhil Verma 2. MdEasir Arafat Papon	IJETAE (ISSN 2250–2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 2, February 2013)	published
2.	AE	Instability in Compressor	GpCapt NC Chattopadhyay	ASME (USA), Apr 2013	published
3.	AE	Aerodynamics of Flapping Wing	GpCapt NC Chattopadhyay	GIS (Australia), Feb 2013	published
4.	AE	Role of Wing Morphing	GpCapt NC Chattopadhyay	GIS (Australia), Feb 2013	published
5.	AE	Technology demonstrator of a 7-Channel Flight Data Recorder as avionics teaching aid using static model aircraft	WgCdr Nikhil Verma Md. Easir Arafat Papon	INTED,2013, March 2013	published
6.	AE	<i>Electrification of Streets of Dhaka City Using Smart Solar System</i>	Md. SalauddinKabir	pg:1-4, ISBN 978-1-4799-0397-9, 2nd ICIEV 2013	published
7.	AE	<i>Technical Development of Design &amp; Fabrication of an Unmanned Aerial Vehicle</i>	Md. Easir Arafat Papon	pg. 36-46, e-ISSN: 2278-1684, Volume 7, Issue 5, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Jul. – Aug. 2013.	published
8.	AE	<i>Project on UAV Design for Flight Competition in SAE Aero Design West-2013</i>	Md. Easir Arafat Papon	pg. 4720-4349, ISBN: 978-84-616-3847-5, 6 <sup>th</sup> ICERI2013 Proceedings, November 2013.	published
9.	AE	<i>Evolution of Aircraft Flight Control System and Fly-by-Light Flight Control System</i>	Gp Cp A Garg, T Chowdhury	IJETAE (ISSN 2250–2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 12, February 2013)	published

10.	AE	<i>Design Analysis and Fabrication of Experimental Aircraft: A challenge for Pioneer</i>	GpCapt NC Chattopadhyay, KH Khan	WCE 2013, July 3-5, London, UK Vol-III	published
11.	AE	<i>CEASIOM: An open Source Multi Module Conceptual Aircraft Design Tool</i>	R Afser, AH Banna	International Journal of Engineering Research and Technology ISSN: 2278-0, Vol. 2 ISSUE 7, July2, 2013	published
12.	AE	<i>Next Generation Hybrid Power plant: A Solution to Continuous Flight</i>	R Afser, AH Banna	International Journal of Engineering Research and Technology ISSN: 2278-0, Vol. 2 ISSUE 7, July2, 2013	

## Æ PUBLICATION LIST 2014

Serial no.	Dept	Paper name	Authors name	Journal/conference	Published/accepted
01	AE	Heterogeneous Arrays of Storage Devices: An Approach to Get Linear Output with Maximum Efficiency from Energy Systems	GpCaptAtulGarg , TonoyChowdhury, Rezawana Islam Linda	IEEE Xpolre, iCEEiCT Conference, Dhaka, Bangladesh, April 2014	published
02	AE	Application of Fiber Optics on Aircraft Control System & Its Development	GpCaptAtulGarg , TonoyChowdhury Rezawana Islam Linda	IEEE Xplore, ICECS Conference, Coimbatore, Tamil Nadu, India, Feb 2014	published
03	AE	A Case Study of Satellite Navigation Reliability: Bangladesh Perspective	AsmaTabassum RafiulHossainShihab, Md. Hossam-E-Haider	1st International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT), 10-12 April 2014, doi:10.1109/ICEEICT.2014.6919128	published
04	AE	Comparison of GPS and Galileo considering DOP for the South Asian Region”	AsmaTabassum(201022037), RafiulHossainShihab(201022054), Md. Hossam-E-Haider	1st International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT), 10-12 April 2014, doi:10.1109/ICEEICT.2014.6919155	published
05	AE	Comparative Analysis of GNSS Reliability: GPS, GALILEO and Combined GPS-GALILEO”,	AsmaTabassum, RafiulHossainShihab, MahbubHasan, Md. Hossam-E-Haider	1st International Conference on Electrical Information and Communication Technology (EICT), 13-15 Feb. 2014, doi:10.1109/EICT.2014.6777835	published
06	AE	Implementation and verification of simulation methods to determine Radar Cross Section of simple targets	MdAfzalHossain, ZamilUddinFaysal, MdShamaunSobhan, FatemaOshinAra	Electrical Engineering and Information & Communication Technology (ICEEICT), 2014 International Conference on , vol., no., pp.1,4, 10-12 April 2014 doi: 10.1109/ICEEICT.2014.6919130	published
07	AE	Suppression of Wing Rock in Slender Delta Wing by Horizontal Strakes	SqnLdrSaifur R Bakaul	52nd Aerospace Sciences Meeting, National Harbour, Marryland, USA, 13-17 January 2014.	published

08	AE	Effect of Vertical Strakes on Suppression of Wing Rock in Slender Delta Wing	SqnLdrSaifur R Bakaul	52nd Aerospace Sciences Meeting, National Harbour, Marryland, USA, 13-17 January 2014.	published
09	AE	Design Proposal and Performance Specification of Data Bus Network for Small Aircraft Ensuring High Reliability	Akhter Mahmud Nafi , MdEasir Arafat Papon	2nd IEEE International Students' Conference for Electrical, Electronics and Computer Science (SCEECS-2014), India	published
10	AE	A Proposed Model of Aircraft Direction Finding and Integrated Architecture of Theta-Theta-DRDF	Akhter Mahmud Nafi , MdEasir Arafat Papon	1st International Conference on Electrical Engineering and Information Technology (ICEEICT 2014), Dhaka, Bangladesh	published
11	AE	Performance Analysis of Aerofoil For Unmanned Aerial Vehicle	KhMd Faisal, MdEasir Arafat Papon, Akhter Mahmud Nafi	1st International Conference on Electrical Engineering and Information Technology (ICEEICT 2014), Dhaka, Bangladesh.	published
12	AE	Design proposal and performance specification of data bus network for small aircraft ensuring high reliability	Lec. E Arafat Papon, Akhter Mahmud Nafi, Faisal Ahmed, S. M. Easin Ankur	2nd IEEE International Students' Conference for Electrical, Electronics and Computer Science (SCEECS-2014)	published
13	AE	Conceptual Design of a Strategic Bomber Aircraft: Meeting Requirements and Performance Analysis	Sq. Ldr. SaifurRahmanBakaul, Fairus SakibTanzim, Atiya Sultana, Nusratjahan Liza	IFOST 2014 Conference, CUET, 21-23 October, 2014	published
14	AE	Autonomous Quadcopter for product home delivery	Lec. Md. RejwanulHaque, Muztahid Muhammad, DipayanSwarnaker, Md. Arifuzzaman	ICEEICT, 2014 ISBN: 978-1-4799-4820-8 Dhaka, Bangladesh DOI: 10.1109/ICEEICT.2014.6919154 Publisher: IEEE	published
15	AE	Design and Fabrication Of a Micro-Class Unmanned Aerial Vehicle (UAV) with High Payload Fraction	GpCaptAbdus Salam, SqLdrSaifurRahman Kh. Md Faisal, FairusSakibTanzim Abdullah Al Faysal, Mohammad Shafique	4 <sup>th</sup> International Conference on Mechanical Industrial & Energy Engineering (ICMIEE), 26-27 Dec, 2014, KUET, Bangladesh	published

16	AE	Conceptual Design of a Business Jet Aircraft	JannatunNawar, NafisaNawalProbha, Adnan Shariar, Abdul Wahid, SaifurRahmanBakaul	4 <sup>th</sup> International Conference on Mechanical Industrial & Energy Engineering (ICMIEE), 26-27 Dec, 2014, KUET, Bangladesh	published
17	AE	Design, Development and Performance Analysis of a Fixed Wing Unmanned Aerial Vehicle.	MdMukitHasan MdTauhidurRahman Evan Imroz Muhammad Anik	Advanced Aero Concepts, Design, and Operations, Applied Aerodynamics conference 2014	published
18	AE	Polymer composites: a blessing to modern aerospace engineering	MdSaifuddin Ahmed Atique, NafisaNawalProbha, AsifShahriarNafi,	4 <sup>th</sup> International Conference on Mechanical Industrial & Energy Engineering (ICMIEE), 26-27 Dec, 2014, KUET, Bangladesh	published
19	AE	<i>Electrification of streets of Dhaka City Using Solar and Piezoelectric Energy,</i>	Md. SalauddinKabir	pg:1-5,ISBN 978-1-4799-5179-6 , 3rd ICIEV 2014	published
20.	AE	<i>VTOL &amp; STOL takeoff and landing for modern jet powered aircraft: a problem to carry heavy payload &amp; its solution</i>	MdSaifuddin Ahmed Atique, NafisaNawalProbha, AsifShahriarNafi,	4 <sup>th</sup> International Conference on Mechanical Industrial & Energy Engineering (ICMIEE), 26-27 Dec, 2014, KUET, Bangladesh	published
21.	AE	<i>Aerodynamic Analysis of Flapping Wing over Fixed Wing</i>	Md. Abdus Salam, NC Chatapadhay	IJET, Vol 6, No 2, April 2014	published
22.	AE	<i>How the wing rock get initiated: Experimental Investigation on Slender Delta Wing Configuration</i>	<b>Sq. Ldr. SaifurRahmanBakaul</b>	15 <sup>th</sup> Australian International Aerospace Congress	published

## AE PUBLICATION LIST 2015

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1.	AE	Aerodynamics of Winglet: a Computational Fluid Dynamics Study	MdSaifuddin Ahmed Atique, Shuvrodeb Barman, AsifShahriarNafi, NafisaNawalProbha, Md. Abdus Salam	Global Science and Technology Journal Vol. 3. No. 1. March 2015 Issue. Pp.10 – 24	Published
2.	AE	Induced Drag reduction in conventional aircraft wing by mounting winglet: A CFD simulation to justify	MdSaifuddin Ahmed Atique, Shuvrodeb Barman, AsifShahriarNafi, NafisaNawalProbha, Md. Abdus Salam	10 <sup>th</sup> Global Engineering, Science & Technology Conference-2015, Dhaka, Bangladesh	Published
3.	AE	CFD Approach to Analyze the Aerodynamics Potentiality of Rotary Leading Edge Aircraft Wing at Different Angle of Attack	Md. Abdus Salam, , Shuvrodeb Barman MdSaifuddin Ahmed Atique, AsifShahriarNafi, NafisaNawalProbha, Kh. Md. Faisal	IEEE Conference 2015, 2 <sup>nd</sup> International Conference on Electrical Engineering and Information Communication Technology (ICEEICT), Jahangirnagar University, Dhaka, Bangladesh	Published
4.	AE	Design of a Fifth Generation Air Superiority Fighter Aircraft	MdSaifuddin Ahmed Atique, Shuvrodeb Barman, AsifShahriarNafi, MasumBellah, Md. Abdus Salam	International Conference on Mechanical Engineering and Renewable Energy 2015, CUET, Chittagong, Bangladesh	Accepted
5.	AE	CONCEPTUAL DESIGN & TAKE-OFF WEIGHT ESTIMATION OF ATTACK FIGHTER AIRCRAFT	Flying Officer AfsaniKashem Prokrity1, K.M. Atiq Adnan2 and Nadia Mahmud3	ICMERE 2015 -CUET	Accepted



6.	AE	Design Consideration & Cost Optimization on Proper Choice of Material of Reentry Vehicle	Flying Officer AfsaniKashem Prokriy1, K.M. AtiqAdnan2, Nadia Mahmud3, Imrul Islam4	ICMIME ICMIME 2015 - RUET 2015 - RUET	Accepted
7.	AE	Design and Optimization of a Long Range Jet Aircraft	Md. Afzal Hossain , Md. Abdus Salam , Md. Rayhan Afsar, Kh. Md. Faisal, M. A. Taher Ali	ICMIME 2015 - RUET	Accepted
8.	AE	DESIGN AND FABRICATION AUTONOMOUS SURVEILLANCE HEXACOPTER	Md. Abdus Salam, S. M. Anwarul Aziz, Muhammad Maruf Islam, Kh. Md. Faisal, Md Arafat Islam	3 <sup>rd</sup> International Conference on Mechanical Engineering and Renewable Energy, Chittagong University of Engineering & Technology, Chittagong 4349	Accepted
9.	AE	DESIGN FABRICATION AND PERFORMANCE STUDY OF A LOW TEMPERATURE DIFFERENTIAL STIRLING ENGINE	Md Arafat Islam, MdRejwanulHaque, Kh. Md. Faisal Maidul Islam	3 <sup>rd</sup> International Conference on Mechanical Engineering and Renewable Energy, Chittagong University of Engineering & Technology, Chittagong 4349	Accepted
10.	AE	DESIGN AND DEVELOPMENT PARABOLIC DISH SOLAR COLLECTOR DESIGN AND DEVELOPMENT OF A PARABOLIC DISH SOLAR COLLECTOR	Md Arafat Islam, Kh. Md. Faisal, Md Rejwanul Haque, Maidul Islam	3 <sup>rd</sup> International Conference on Mechanical Engineering and Renewable Energy, Chittagong University of Engineering & Technology, Chittagong 4349	Accepted
11.	AE	Impact Angle and Impact Velocity Constrained Terminal Guidance for Stationary Target	HaoZhou ,TawfiqurRahman ,Wanchun Chen	Aircraft engineering and aerospace technology 07/2015; 87(5). DOI:10.1108/AEAT-09-2013-0164 .	0.35 Impact Factor
12.	AE	Pseudospectral Model Predictive Control for Exo-atmospheric Guidance	TawfiqurRahman ,ZhouHao , Yang Liang , Chen Wanchun	International Journal of Aeronautical and Space Sciences 03/2015; 16(1):64-76. DOI:10.5139/IJASS.2015.16.1.64	0.49 Impact Factor
13.	AE	Design, Analysis & Optimization of a Small Unmanned Aircraft	Md. Abdus Salam, Md. RayhanAfsar, Md. Abu HorairaBanna, Zahangir Mohammad Shahjahan Ali	2015 IEEE Aerospace Conference, March 7-14, 2015, Big Sky, Montana, USA. DOI: 10.1109/AERO.2015.7119231	Published

14.	AE	Morphing Aircraft Research and Development: A Review	Md. RayhanAfsar, Muztahid Mohammad, Md. Arifuzzaman, DipayanSwarnakar	International Aerospace Engineering Conference, 27-28 August, 2015, Vancubar, Canada.	Published
15	AE	Design of Near Zero Ultraflattened Chromatic Dispersion Holey fiber for telecommunication Application	C. M. A Rahman, AWahed, T Sorker	ICEICT, 2015, Jahangir Nagar University	Published
16.	AE	Design and Performance Analysis of a High subsonic Middle Range Jetliner: A Conceptual Approach	M Muhammad, M Arifuzzaman, D Swarnaker, M M N Hossain	3 <sup>rd</sup> International Conference on Mechanical Engineering and Renewable Energy, Chittagong University of Engineering & Technology, Chittagong 4349	Published