

Resume of Professor Mohd. Islam



PERSONAL INFORMATION

Date of Birth 01st January, 1955

Father's Name Mr. Lais Mohd.

RESIDENTIAL ADDRESS:

Professor Mohd. Islam

Flat No. 5, D-9/1, Professors Apartment, Milli Times Street, Near Alshifa

Hospital, Abul Fazal Enclave Part-1, Jamia Nagar, New Delhi 110025, INDIA

ELECTRONIC COMMUNICATION:

Phone: Mobile +91-9213636997

E-mail: mislam@jmi.ac.in

ACADEMIC PERFORMANCE:

Degree	Grade	Year	Institution
Doctor of Philosophy (PhD)	I	1994	Applied Mechanics Department , Indian Institute of Technology Delhi (IITD), New Delhi
			Doctoral thesis topic "Studies on the effect of upstream flow conditions on the performance characteristic of turbine flow meter"
M.Tech.	I	1989	Applied Mechanics Department , Indian Institute of Technology (IITD), New Delhi
B.Sc. Engg.	I	1985	Z. H. College of Engineering and Technology, A.M.U., Aligarh

TEACHING EXPERIENCE

S.No.	From	To	Position Held	Name of Institutes
(i)	September, 1986	January, 1992	Lecturer	Jamia Millia Islamia
(ii)	January, 1992	February, 1995	Sr. Lecturer	Jamia Millia Islamia
(iii)	February, 1995	January, 2003	Reader	Jamia Millia Islamia
(iv)	January, 2003	Till date	Professor	Jamia Millia Islamia

MAJOR RESEARCH SUPPORT /GRANT RESEARCH RECEIVED

1. 10 Lack for Fluid Mechanics Lab
2. 5 Lack for Instrumentation and Measurement Laboratory

HIGHLIGHTS OF IMPORTANT CONTRIBUTIONS:

- (i). Courses Taught at B. Tech. Level: Fluid Mechanics, Fluid Machines, Applied Mechanics, Instrumentation, Measurement and control Engineering
- (ii) . Courses Taught at M. Tech Level: Turbo Machinery and Gas Dynamics
- (iii). Research/M. Tech./B. Tech Project: Examined the M. Tech. Thesis of the following;
 - 1). Applied Mechanics Department IIT Delhi.
 - 2). KIET Ghaziabad, Mechanical Engineering Department
 - 3). IET Khandari, Dr. BR Ambedkar University, Agra.
Have a privilege to guide a number of M.Tech., B. Tech. & BE Project in Mechanical Engineering Department, Jamia Millia Islamia, New Delhi.
 - 4). Centre for Energy Studies, IIT Delhi, Mechanical Engineering Department.
 - 5). NIT Patna, Bihar
 - 6). Mechanical Engineering Department, MNIT, Jaipur. Rajasthan
 - 7). Mechanical Engineering Department, Galgotia Engg. College, Greater Noida, U.P
 - 8). Mechanical Engineering Department, NIT, Kurukshetra, Haryana
 - 9). Mechanical Engineering Department, Z.H College of Engg. AMU, Aligarh

PRACTICAL EXAMINERS OF B. TECH.:

1. Zakir Husain College of Engg. & Technology, Aligarh
2. Dayal Bagh Engineering College, Agra.
3. MIT, Moradabad.
4. Guru Prem Sukh Engg. & Tech., IP University, Delhi
5. MNR Engineering. College, Allahabad.
6. MACT, Bhopal
7. DIT, Dehradun
8. Guru Harikishan Singh Engg & Tech. IP University, Delhi
9. AMITY Engg & Tech. IP University, Delhi
10. GLA Institute of Technology, Mathura
11. Institute of Engg & Technology, Ruhaikhand University, Bareilly
12. IET Khandari, Dr. B. R. Ambedkar University, Agra
13. MIT Muzaffar Nagar.
14. Mechanical Engineering Department ,KIT Ghaziabad.
15. Hindustan Science & Technology, Farah, Agra.
16. Dr. Ambedkar Institute of Technology, Seelampur, Delhi.
17. Mechanical Engineering Department ,Y.M.C.A, Faridabad
18. Mechanical Engineering Department, Alfalah School of Engineering, Faridabad
19. Mechanical Engineering Department, Galgotia University, Noida
20. Mechanical Engineering Department, Galgotia Engineering College
21. Mechanical Engineering Department, G.B.Pant College of Engineering and Technology.
22. Mechanical Engineering Department, Dr. Ambedkar Institute of Technology, Ghaziabad
23. Mechanical Engineering Section, University Polytechnic, JMI

PRACTICAL EXAMINERS OF M. TECH.:

- 1.Z.H.Engineering College, Aligarh Muslim University, Aligarh.
- 2.Applied Mechanics Department, IIT Delhi

3. Center for Energy Studies, Indian Institute of Technology (IIT), Delhi
4. Mechanical Engineering Department M. N.I.T, Jaipur
5. Mechanical Engineering Department NIT, Kuruchetra
6. Mechanical Engineering Department NIT, Patna
7. Mechanical Engineering Department, Integral University, Lucknow

ANY OTHER INNOVATIVE ACTIVITY:

(i) Establishment of Laboratory:

- Fluid Mechanics Lab in University Polytechnic, 1988, Jamia Millia Islamia, New Delhi.
- Hydraulic Lab. in Civil Engineering Department, faculty of Engineering and Technology, Jamia Millia Islamia, 1986.
- Fluid Mechanics Lab in Mechanical Engineering Department of Engineering & Technology, Jamia Millia Islamia, 1991
- Instrumentation and Measurements Lab in Mechanical Engg. Department, Jamia Millia Islamia, New Delhi, 1995
- Helped in establishment of lab in G.B Pant College of Engg. & Tech. New Delhi

(ii) Administrative Experience:

- Head, Department of Mechanical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi-110025.
- Officiating Dean, F/O Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
- Faculty Co-ordinator B. Tech NBA Programme, F/O Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
- Faculty Co-ordinator M. Tech NBA Programme, F/O Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
- Co-ordinator of NAAC Programme, Department of Mechanical Engineering, F/O Engineering & Technology, Jamia Millia Islamia, New Delhi-110025
- VC Nominee for three selection committees of Jamia Millia Islamia, New Delhi-110025
- VC Nominee for Grievance Redressal of University Polytechnic, Jamia Millia Islamia, New Delhi-110025.
- Co-ordinator of B.E. Mechanical Faculty of Engineering and Technology, JMI, New Delhi.
- Superintendent of B. Tech. Entrance Test Faculty of Engineering & Tech. JMI (several times).
- Assistant. Superintendent of B.Tech. & B.E annual exam for thirteen years.
- Tabulator of B. Tech. and B. E. mechanical for five years.
- Superintendent of Diploma Entrance Test, University Polytechnic, JMI

Research thrust areas recognized by funding agencies: Fluid Mechanics, Instrumentation Measurements, Micro-Channel.

Inter-institutional collaborative projects and grants received Collaborative Project.

Collaborative Name of funding agency Grants received Project.	
S.No	Name of funding Agency
1	IIT Delhi
2	National Physical Laboratory, New Delhi.
3	K.I.E.T Murad Nagar Ghaziabad

Departmental projects funded by MHRD (15 Lacs)

DETAILS REGARDING RESEARCH PAPERS (NATIONAL & INTERNATIONAL JOURNALS):

S No	Title of the paper	Journal Name	Volume/ Nos & year of publication	Publisher	Number listed in International Database /ISSN No.	Impact Factor of the Journal	No of Citations of this paper/SNIP	SJR
1	Investigations on Single-Phase Liquid Flow Through Semi-Circular Microchannels, Ravindra Kumar, Mohd. Islam and M.M Hasan	International Journal of Applied Engineering Research	(Published on 20, April 2018)					
2	Recent Trends, Challenges and Scope in Single-Phase Liquid Flow Heat Transfer in Microchannels- A Review, Ravindra Kumar, Mohd. Islam and M.M Hasan	Global Sci-Tech,	Vol 8 No2, 2016					
3	Experimental Investigations on Fluid Flow Characteristics of Single Phase Liquid Flow Through Circular Microchannels, Ravindra Kumar, Mohd. Islam and M.M Hasan	International Journal of Engineering Sciences & Research Technology	. Volume 5(3), 2016					
4	Parametric Analysis of Flow through Microchannels M Jan, M Islam, A Aslam	International Journal of Science and Research	Vol. 5 (5), 2016					
5	Review of Fluid Flow and Heat Transfer through Microchannels M Islam, M Jan	International Journal of Science and Research	Vol. 5 (4), 2016					
6	A Review of experimental investigations on heat transfer characteristics of single phase liquid	International Journal of Advance Mech. Engg.	Vol-4, No.1, 2014	Research India Publications	ISSN-2250-3234			

	flow in microchannels Ravindra Kumar, Prof. Mohd. Islam, prof. M.M.Hasan							
7	Nanofluids as Heat Trans Enhancers in Microchann Review, Ravindra Kumar, Islam and M.M.Hasan	Journal of Basic and Applied Engineering research	Volume 1, Number 2; ,2014					
8	"Effect of Pinch Variation on the Exergy destruction of Combined Cycle Power Plant" A.K. Tiwari, Prof. M.M.Hasan, Prof. Mohd. Islam,	NCEV	2014					
9	"Thermodynamic Performance Analysis of a Combined Cycle Power Plant with variation in ambient Temperature" A.K. Tiwari, Prof. M.M.Hasan and Prof. Mohd. Islam	ISTE Delhi section convention	2013					
10	"Effect of Ambient Temperature on the Performance of a Combined Cycle Power Plant" A.K. Tiwari, Prof. M.M.Hasan and Prof. Mohd. Islam	Transactions of the Canadian Society for Mechanical Engineering,	Vol. 37, No. 4, 2013	E.I.C. Accession 3549				
11	"Exergy Analysis of Combined Cycle Power Plant: NTPC Dadri, India" A.K. Tiwari, Prof. M.M.Hasan, Prof. Mohd. Islam,	International journal of Thermodynamics	Vol-16, 2013		ISSN No.2146-1511			
12	Impact Strength Checking of Polyurethane Samples mixed with different Fly Ash percentages Saeib A-lhadi Faroun,	International Journal of Engg. Studies	Vol 5 2013	Research India Publication	ISSN 0975-6469			
	Prof. Mohd. Islam, Dr. Aas Mohd., Vazid Ali and Uravashi Vashisht							
13	"Effect of Operating Parameters on the performance of Combined Cycle Power Plant" A.K. Tiwari, Prof. M.M.Hasan, Prof. Mohd. Islam,	Scientific Report	Vol-1, Issue-7, 2012	Open Access				
14	Checking the viscosity of castor oil and fly ash composites for preparing polymer materials Saeib A Alhadi Faroun,Prof. Mohd. Islam, Dr. Aas Mohd., Vazid Ali, Urvashi Vashisht	International Journal of Advance Materials Science	Vol-3, No.2, 2012	Research India Publications	ISSN-2231-1211			
15	Selection of Optimum Areas of Feed water heaters by using dynamic programming Saeib A Alhadi Faroun,Prof. Mohd.	International Journal of Applied Engg. Research	Vol-7, No.3, 2012	Research India Publications	ISSN-0973-4562			

	Islam, Dr. Aas Mohd., Vazid Ali, Urvashi Vashisht							
16	"An Experimental Investigation over a Y-Shaped diffusing duct with 600 mm CL and 764 mm RC with different Yaw angles (00, 100, 200): A Comparative Study". Natrapal Singh, Abdul Rahim, , Mohd. Islam	Journal of International Review of Mechanical Engineering	Vol-1, 2012	Praise worthy, Italy	ISSN : 1970-8734	6.46		
17	The effect of Yaw angles on flow characteristics of a symmetric Y shaped diffusing duct with 300 mm CL and 382 mm RC at different cross Sections: An Experimental Investigation. ". Natrapal Singh, Abdul Rahim, Mohd. Islam.	Journal of International Review of Aerospace Engineering	Dec 2012	Praise Worthy, Italy.	ISSN:1973-7459	6.50	0.986	0.052
18	Synthesis of Phenolic Resin Blended Castor Oil based Modified Polyol for two component polyurethane coating Urvashi Vashisht, Gita Rani, Vazid Ali, Jyotsna kaushal, Tanveer Alam, Saeib A Alhadi Faroun and prof. Mohd Islam	International Journal of Chemical Engg.	Vol-5, 2011					
19	"Experimental approach to study friction factor and temperature profile of fluid flow in circular micro-channel". Mohd Nadeem Khan, Mohd. Islam, M.M. Hasan,.	Journal of Mechanical Engineering Research	Page no. 209-217, Volume 3 (6), 2011	Academic Journal			0.329	0.034
20	"Comparative study of friction factor for turbulent flow through rough pipe". MohdNadeemKhan,Mohd.Islam&M.M.Hasan.	International journal of Theoretical and Applied mechanics	Page no. 47-52 Nov 2011	Research India Publication				
21	"Experimental investigation of fluid flow and heat transfer in circular micro channel". Mohd Nadeem Khan ,Mohd. Islam & M.M.Hasan.	Journal of Mechanical Engineering & Technology	Vol 3 (6), June 2011	Praise worthy				
22	"Investigation of fluid flow and heat transfer in circular micro channel". Mohd NadeemKhan, Mohd.Islam & M.M.Hasan.	International Review of Mechanical Engineering	Volume 5, 2011	Research India Publication	ISSN 1970-8742	6.46	0.141	0.026
23	"Parameters effecting the friction factor of fluid flow in rough and smooth Channel " Mohd. NadeemKhan, Mohd.Islam & M.M.Hasan.	International Journal of fluid engineering research	Vol 2, 2010	Research India Publication		0.207		0.035
24	"Alternative approach	International	Page	Research	ISSN 0975-			

	for predicting average Nusselt number of fully developed flow in circular micro-channel". Mohd Nadeem Khan, Mohd. Islam & M.M.Hasan.	Journal of Engineering Science & Technology	number 1860 - 1866, Volme 2(8), 2010	India Publication	5462			
25	"Thermodynamic Simulation of Performance of Combined Cycle with Variation of Cycle peak Temperature and Specific Heat Ratio of Working fluid" A.K. Tiwari, Prof. Mohd. Islam, Prof. M.M.Hasan and M.N.Khan	International journal of Engineering Studies	Vol. 3, 2010	Research India publication	ISSN 09752-6469			
26	"Flow Characteristics of Blood in Micro Channels" Mohd Nadeem Khan, Mohd. Islam & M.M.Hasan.	International Journal of Applied Engineering Research	Vol 10, 2009	Research India Publication	ISSN 0973-4562	0.44		
27	"Analytical analysis of fluid flow and heat transfer through micro-channel" Mohd Nadeem Khan, Mohd. Islam & M.M.Hasan.	International Journal of Applied Engineering Research	Page No. 2093-2100, Vol 4(11), Nov 2009	Research India Publication	ISSN 0973-4562			
28	"Factors Responsible for discrepancies between theoretical experimental results of fluid flow and heat transfer through Micro – channels" Mohd Nadeem Khan, Mohd. Islam & M.M.Hasan.	International Journal of Applied Engineering Research	Page No. 2629-2640, Vol 4(12), 2009	Research India Publication	ISSN 0973-4562			
29	Analytical approach to examine fluid flow and heat transfer in microchannel Mohd Nadeem Khan, Prof. Mohd.Islam & Prof. M.M.Hasan.	International Journal of Mechanical and Automobile Engineering	Vol-5, No.7, 2009					
30	"Heat transfer through micro channel". Mohd Nadeem Khan, Mohd. Islam & M.M.Hasan.	International journal of Mechanical and automobile Engineering	Vol 5 (7), 2008	Academic Journal	ISSN : 0974-231X			
31	"An Overall evaluation of Flow Characteristics and performance parameters of Y-shaped diffusing duct with same angle of turn and different centerline length and radius of curvature"	National conference						
32	"Boundary layer flow and drag estimation on the body of a moving car". Waqar Ali, Mohd.Islam&Abdur Rahim.	International journal of fluid mechanics research	Vol 33 April 2006	Begell house inc,publish ers.	ISSN 1064-2277	0.207		0.035
33	"Numerical solution of boundary layer flow past a stretching plate".	Journal of Institution of Mechanical	Dec 2005	SAGE Publications	ISSN 0954-4062	0.407	0.364	0.03

	Waqar Ali, Mohd. Islam, Abdur Rahim.	Engineers						
34	"Thermodynamics Simulation performance of Combined Cycle Peak Temperature & Specific Heat Ratio of Working Fluid". Arvind Tiwari, M.M.Hasan & Mohd. Islam.	International Journal of Engineering Studies	Volume 2(3) P 307-316				1.251	0.062
35	"Effect of swirl on a turbine meter in air flow and effectiveness of a flow straightener in removing the swirl". Mohd. Islam, M.M. Hassan, S.N. Singh and V. Seshadri.	Journal of instrumentati on society of India	Page No. 24-27, 2003		ISSN 1748-0221			
36	"Lithium Ferrite Nano Particles for ferro fluid applications". V.K. Shankaracharyanan, Om Prakash, R.P.Panth and Mohd. Islam.	Journal of Magnet and Magnetic materials	Vol 252, November 2002	Bremer, Germany	ISSN : 0304-8853	1.78	1.43	0.143
37	"An Investigation of Skewed velocity profile effect on the turbine flow meter performance". Mohd. Islam, V. Seshadri , S.N. Singh and M.M. Hassan.	Journal of Process Mechanical Engineering	Vol 217 Part E, Nov 2002	SAGE Publication s		0.393		
38	"An Experimental Study of flow Characteristics of a symmetric Y-Shaped Intake diffusing duct at different cross sections" Netrapal singh, Prof Abdur Rahim and Prof mohd Islam	National conference on fluid mechanics and fluid power	2001					
39	"Flow characteristics of a symmetric Y-shaped diffusing duct at different cross section with zero Yaw angle". Natrapal Singh, Abdul Rahim, Mohd. Islam	Indian journal of Engineering & Materials		CSIR, Delhi	ISSN 0975-1017	0.233		
40	"Effect of geometrical parameters of small Gas Turbine Flow meters". Mohd. Islam, Abdul Mubeen, V. Seshadri & S.N. Singh.	Indian Journal of Technology	Page No. 507-510, 1991	CSIR				
41	"Experimental Study of Flow Characteristics of a Symmetric Y-Shaped Intake Diffusing Duct with 600 mm CL & 764 mm RC at Different Cross Sections". Natrapal Singh, Abdul Rahim, Mohd. Islam.	Journal of Aerospace Engineering	Praise worthy, Italy.	ISSN : 0893-1321	0.71	0.986	0.052	

DETAILS REGARDING RESEARCH PAPERS (NATIONAL & INTERNATIONAL CONFERENCE):

S No	Title of the paper	Conference Name	Volume/ Nos & year of publication	Publisher	Number listed in International Database /ISSN No.	Impact Factor of the Journal	No of Citations of this paper/SNIP	SJR
1	Assessing the thermal performance of the walls in a building using the Phase Change material methodology. Ravinder Kumar, Mohd Islam & M. M. Hasan	ITME-2019	2019					
2	Experimental Investigations on Heat Transfer Characteristics of Single-Phase Liquid Flow Through Circular Microchannels Ravinder Kumar, Mohd Islam & M. M. Hasan	International Conference cum Exhibition on Building Utilities" Organized by Department of Mechanical Engineering, Jamia Millia Islamia, New Delhi, Dec 1-3, 2016	2016					
3	Recent Trends, Challenges and Scope in Single-Phase Liquid Flow Heat Transfer in Microchannels- A Review Ravinder Kumar, Mohd Islam & M. M. Hasan	National Conference on Advancements in Mechanical Engineering" (NCAME-2015) organized by Department of Mechanical Engineering, AL-FALAH University, Faridabad, on 16th April, 2015	2015					
4	A Review of Experimental Investigations on Heat Transfer Characteristics of Single- Phase Liquid Flow in Microchannels Ravinder Kumar, Mohd Islam & M. M. Hasan	International Conference on Innovative Trends in Mechanical, Material, Manufacturing, Automotive, Automobile and Aeronautical Engineering" (ITMMMAAAE-2014) held at Jawaharlal Nehru University, New Delhi, on 15th and 16th February, 2014	2014					
5	Nanofluids as Heat transfer Enhancers in Microchannels- A Review	International Conference on Innovative	2014					

	Ravindra Kumar, Prof. Mohd. Islam, prof. M.M.Hasan	trends in mech. Material, manufacturing, automobile, aeronautical engg and applied physics at JNU						
6	To investigate the effect of pinch temperature variation on the performance of Brayton/Rankine Combined Power Cycle A.K.Tiwari, Prof. M.M.Hasan, Prof. Mohd. Islam	International Conference at AFSE	2013					
7	Energy Analysis of Combined Cycle Power Plant At NTPC Dadri . "Arvind Tiwari,MM Hasan & Mohd Islam.	International Conference on Innovation Technologies in Mechanical Engineering KIET, Ghaziabad						
8	"An Overall evaluation of Flow Characteristics and performance parameters of Y-shaped diffusing duct with same angle of turn and different centerline length and radius of curvature" Netrapal Singh, Prof. Abdur Rahim, Prof. Mohd. Islam	National conference on trends and advances in Mechanical Engg.	2012					
9	"An experimental study of flow characteristics of a symmetric Y shaped intake diffusing duct at different cross sections. " Netrapal Singh,Abdur Rahim & Mohd Islam.	38th FMFP , Conference Bhopal	15 - 17 December , 2011.					
10	Effect of Relative surface roughness on the performance of heat transfer through microchannels Mohd. Nadeem Khan, Prof. Mohd. Islam, prof. M.M.Hasan	International Conference on Advance in Mech. Engg.	2010					
11	"Theoretical Investigation of Fluid Flow and Heat Transfer in Microchannels" Mohd Nadeem Khan, Mohd Islam & MM Hasan.	(AME09) Conference .Department of Mechanical Engineering, DBIT , Bangalore.	30th – 31st March 2009					
12	Brief review of fluid flow and heat transfer through microchannels Mohd. Nadeem Khan, Prof. Mohd. Islam, prof. M.M.Hasan	National Conference on Advance in Mech. Engg.	2009					
13	"Effect of Boundary Layer Drag on Power	International Conference	2006), December					

	Consumption of a Moving Car" Waqar Ali, Mohd Islam, Abdur Rahim & Naseem Ahmed.	(AME - Fatehgarh Sahib, Punjab, India.	1 - 3, 2006,					
14	"Boundary Layer Flow Over an Aerodynamic Body. Waqar Ali, Mohd Islam & Abdur Rahim	(NCME - 2006), Institute of Engineering and Technology, Patiala, Punjab, India	November 10-11, 2006,					
15	"Drag estimation due to Boundary layer flow over a flat surface". Waqar Ali, Mohd Islam, Abdur Rahim & Naseem Ahmed.	National Conference on Trends and Advances in Mechanical Engineering, YMCA Institute of Engineering, Faridabad, Haryana,	December 9 - 10, 2006					
16	"The Effect Of Particle Characteristics On Abrasive Wear Using Pin-On-Drum Wear Testing Machine." G Hemath Kumar, R Sagar & Mohd Islam.	National Conference On Advances In Mechanical Engineering (AIME - , JMI, New Delhi, India	2006					
17	"Analysis Of Deep Hole In Poppet Valve Guides (Al SiCp) Using Electro Chemical Machining" G Hemath Kumar, R Sagar & Mohd Islam.	National Conference On Advances In Mechanical Engineering (AIME - 2006), JMI, New Delhi, India,	On January 20 - 21, 2006					
18	"Effect Between Abrasive and Dry Sliding Wear Behavior of Al - SiCp Composite" G Hemath Kumar, R Sagar & Mohd Islam.	International Conference (AME - SRM)	December 14 - 16, 2006.					
19	"Microstructure Characterization And Mechanical Properties Of Al-SiCp Composites". G Hemath Kumar, R Sagar & Mohd Islam.	International Conference (AME-SRM)	December 14-16, 2006. Chennai					
20	"Reciprocating friction and wear behavior of Al SiCp composite for automatic part G Hemath Kumar, R Sagar & Mohd Islam.	All India Manufacturing Technology, Design and Research Conference. Vellore, Tamil	20 - 22 Dec. 2004,					

		Nadu						
21	Future Power Planning For Sustainable Development" .Abdul Mubeen, MM Hasan,M Emran Khan,JA Usmani & Mohd Islam.	National Conference On Energy And Environment, , JMI, New Delhi	2004					
22	Abrasive Friction and Wear Behavior of Al SiCp Composite for Valve Guide" .G Hemath Kumar,Probir Saha,R Sagar & Mohd Islam.	INCARF Conference IIT Delhi,	2003					
23	Abrasive Friction and Wear Behavior of AL-SiC _p Composite for valve guide G. Hemath Kumar, Probir Saha, R.Sagar, Prof. Mohd. Islam	International conference at IIT, Delhi	2003					
24	Effect of Angle of Attack on the lift Force, Drag Force and Pressure Distribution around an Aeroplane Model Prof. Mohd. Islam and Prof. Abdul Mubeen	International conference on Thermal engineering	2002					
25	Effect of Angle of Attack on the Lift Force, Drag Force and Pressure Distribution Around an Aeroplane Model" Mohd Islam & Abdul Mubeen.	BSME - ASME, International Conference	December 31 2001 to Jan 2002, Bangladesh, (TS - 85b) page 371 -377					
26	"Devices for highly accurate measurement" Mohd Islam ,MM Hasan & Badshah Alam. National Confrence on Materials & Devices	M.J.P Rohilkhund University, Barielly	March 9 - 10, 2002,					
27	"Ferro fluid Technology of Li, Fi5 O8 Nano particles" Om Prakash , Mohd Islam & MM Hasan.	National Conference on Materials and Device S, M.J.P.Rohi khund University Bariely	March 9 10, 2002,					
28	"A Comparative Study of Mechanical and Electromechanical Devices in the Measurement of Pressure" Mohd Islam & MN Karimi.	National Symposium of Instrumentation (NSI 27), Coimbatore	27-29 Nov 2002,					
29	Effect of Fluid Density on the turbine Flowmeter performance Prof. Mohd. Islam, V.Seshadri and S.N.Singh	National conference on FMFP	2000					
30	"Influence of CO. and contra swirl on the pressure drop across meter and meter factor of small gas turbine flow meter	10th ISME Conference	Feb 3 - 4, 1999					

	Mohd Islam ,V Seshadri & SN Singh.							
31	"Synthesis and Characterization of Lithium Ferrite Nano particles for Ferro fluid applications" Om Prakash,,VK Shankracharayan,R.F. Fanth & Mohd Islam.	12th ISME Conference	Feb 3 - 4, 1999					
32	Pressure Drop and meter factor of a gas turbine flowmeter for co and contra Swirl Prof. Mohd. Islam	ISME conference on Mechanical Engineering	1999					
33	"Effectiveness of Tube Type Flow Straightness on the performance of Turbine Flowmeter in Presence of Upstream Disturbed Flow Conditions" Prof. Mohd. Islam	International conference on Fluid Mechanics and Fluid Power	1998					
34	"Parametric Investigation on the performance of a Turbine Flow meter" Mohd Islam ,V Seshadri & SN Singh.	9th ISME University of Roorkee,	1994. (Page 353-359)					
35	"Turbine Flowmeter performance under distorted upstream condition, Effectiveness of Flow Straightness". Mohd Islam ,V Seshadri & SN Singh.	21st FMFP	1994.					
36	"Analytical Model for the prediction of the Turbine Flow meter Performance" Mohd Islam ,V Seshadri & SN Singh.	8th ISME	December 1993					
37	"Effectiveness of different type of straighter on the turbine flow meter performance" Mohd Islam ,V Seshadri & SN Singh.	20th FMFP	December 1993.					
38	"Effect of Distortion in the Upstream Velocity Profile of Small Gas Turbine Flow Meters". Mohd Islam ,V Seshadri & SN Singh.	19 FMFP, Mumbai.	December 1992					
39	"Effect of Swirl flow on the performance of small Gas Turbine Flow meters" Mohd Islam ,V Seshadri & SN Singh.	19 th FMFP, Mumbai.	December 1992					
40	"Parametric study for increasing the linear range of small gas turbine flow " MetersV Seshadri,SN Singh& Mohd Islam	FMFP,REC,W arangal	1990					

Conference/ Summit Attended

1. Attended India international water summit 2016 in Park Hotel, New Delhi on 20th September 2016

2. Attended Infra India 2016 at Shangri- La's- Eros Hotel, New Delhi on 28th September 2016
3. Attended ICC- 3rd Cheminar at Hotel Le Meridian, New Delhi on 24th June 2016
4. Attended 8th India Coal Summit 2016 at Hotel Le Meridian, New Delhi on 22th June 2016
5. Attended 8th India Coal Summit at Hotel Le Meridian, New Delhi on 23rd May 2016
6. Attended 99th India energy Summit 2015 at Hotel Le Meridian, New Delhi on 15th October 2015
7. Attended Cheminar at Hotel Le Meridian, New Delhi on 30th July 2015.
8. Attended 4th India Minerals and Metal Forum at Hotel Le Meridian, New Delhi on 24th June 2015
9. Attended Complimentary ICC 3rd Green energy Summit 2015 at The Park, New Delhi on 21 March 2015
10. Attended ICC Non Ferro India 2015 at Hotel Le Meridian, New Delhi on 30 Jan 2015

FACULTY SELECTED NATIONALLY/ INTERNATIONALLY TO VISIT OTHER LABORATORIES IN INDIA AND ABROAD.

- a) Fluid Mechanics & turbo Machinery Lab I.E.T. Khandary Agra University.
- b) G.B.Pant College of Engineering & Technology (Instrumentation and Measurement Lab, New Delhi.
- c) Fluid Mechanics Lab in Al-falah School of Engineering & technology Faridabad

EXPERT MEMBER OF SELECTION COMMITTEE

1. Maulana Azad National Urdu University, Hyderabad
2. Ambedkar Institute of Advance communications and Research, Geeta Colony, New Delhi
3. CBP Government Engineering college, Jaffarpur, Delhi
4. GB Pant Government Engineering college, Okhla Industrial Area, Delhi
5. GNIT Greater Noida
6. KIET Ghaziabad
7. IET Agra University Khandari Campus, Agra
8. Alfalah School of Engineering, Faridabad
9. Dr. Ambedkar Institute of Technology, NPL, Delhi
10. Mechanical Engineering Department, IIT Delhi
11. SGT Institute of Engg.&Tech. Gurgaon, Haryana
12. UGC expert committee member for Sri Satya Sai University of Technology & medical Science Bhoal, Madhya Pradesh
13. Ministry of Environment, forest and climate change new Delhi
14. CSIR (MHRD) , New Delhi.
15. Thapar University, Patyala, Punjab.
16. Galgotia University, Greater Noida.
17. Gautam Buddha University, Greater Noida.

EXPERT MEMBER OF REPUTED GOVERNMENT ORGANIZATIONS

1. UGC
2. AICTE
3. UPSC
4. CSIR
5. IGNOU

EXPERT MEMBER OF NBA EXPERT COMMITTEES

1. Under Tier-I Institutions, M.Tech. and B.Tech. Program (4 NITs & 3 Universities).
2. Under Tier-II Institution: M.Tech. and B.Tech. Program (38 Engineering colleges).

EXPERT MEMBER OF ACADEMIC AUDIT of VARIOUS AFFILIATED COLLEGES OF GGSIPU:

1. Delhi Institute of Tool Engineering
2. G.B. Pant College of Engineering and Technology
3. Maharaja Agarsen College of Engineering
4. Delhi Engineering College, Greater Noida

NATIONAL COMMITTEES/SOCIETIES.(Membersip of Socities)

Indian Society for Mechanical Engineers (ISME).
Indian Society for Fluid Mechanics & Fluid Power (FMFP).
Indian Society for Environmental Management (ISEM).
Indian Society for Applied Mechanics (ISAM).
Indian Society for Technical Education (ISTE).
Intellectuals Society for Socio-Techno welfare
Metrology Society of India

FACULTY RECHARGING STRATEGIES:

- a). Computational Fluid Dynamics Nov. 1991, Applied Mechanics Department, IIT Delhi.
- b). Laser Anemometry in Fluid Flow Applications, Feb.1991, Mechanical Engg. Department, IIT Delhi.
- c). Development of Resources in Engineering Fluid mechanics, July, 1990, Civil Engg. Department, IIT Delhi.
- d). Non-Conventional Source of Energy Jun 1991, Center for Energy Studies, IIT Delhi.
- e). Effective methods of Teaching and learning June, 1990 Applied Mechanics Department, IIT Delhi.
- f). Effective Communication in short courses, April 1991 IIT Delhi.
- g) Basic Experiments in Fluid Mechanics May, 1993. Applied Mechanics Department, IIT Delhi.
- h) Advance Techniques in the analysis of Fluid Flows, May 1993. Applied Mechanics Department, IIT Delhi.
- i) Workshop on Patent Awareness, Oct. 11, 2000. Jamia Millia Islamia, New Delhi.
- j) Workshop on IT for all Emerging Challenges, Nov. 9,2000 Jamia Millia Islamia, New Delhi.
- k) Seminar on Physics of Material, 31 Jan 2002, J.M.I., .New Delhi.

- l) National Conference "Management of Higher Education: 21st Century Challenges"
9th Feb 2002, J.M.I., New Delhi.
- m) Seminar on CNG, April 30, 2002, Department of Mechanical Engineering J.M.I., New Delhi.
- n) 18th National Conference on FMFP, Indore INDIA, 1997.
- o) 8th ISME Conference, New Delhi, 1993.
- p) 9th ISME Conference, University of Roorkee, 1994.
- q) 1st International Conference on FMFP, 1998, IIT Delhi.
- r) 10th ISME Conference, IIT Delhi, 1998.
- s) 27th Conference on FMFP, Palghat, Kerala, 2000.
- t) National Conference on Material and Devices, Rohil Khand University, Bareilly, 2002.
- u) National Symposium on Instrumentation (NSI 27) 27-29 Nov. 2002,
Coimbatore, India

PH.D. THESIS EVALUATOR AND EXAMINER:

1. Z.H.College of Engineering AMU, Aligarh
2. Integral University, Lucknow
3. Indra Gandhi Open University, New Delhi
4. Delhi Technological University, Delhi
5. NIT Kurukshetra, Haryana
6. NIT Patna, Bihar

STUDENT PROJECTS: (GIVE DETAILS):

1. B.Tech Final Year Project : 60
 2. B.E. Final Year Project : 40
 3. M.Tech Final Year Project : 18
 4. Ph.D. Guided and Awarded : 07
- a). Dr. Hemath Kumar, "Study of Friction and wear Behavior of Aluminum Based Metal Matrix Composite for Automotive Parts." He has published two papers and has send three more for publication. (Awarded)
 - b). Dr. Waqar Ali " A Comparative study of factors influencing aerodynamics drag resulting fuel consumption in different models of aeroplane and automobiles." (Awarded)
 - c). Dr. Mohd Nadeem Khan, "Analytical and Experimental studies of Fluid Flow and Heat Transfer in Microchannels. "(Awarded).
 - d). Dr. Netra Pal Singh, " Some Dynamic Studies on Divided Y-Shaped Ducts"
 - e). Dr. Sheib A. Alhadi Faroun,"Study of fluid and physico-mechanical properties of fly ash based high strength polymeric material".
 - f). Dr. Arvind Kumar Tiwari,"Effect of operating variables on the performance of

combined gas power plant”.

- g) Dr. Ravinder Kumar “Numerical and Experimental Investigations on the characteristics of Thermo-fluid and Geometrical parameters of single phase Liquid flow in Micro-channel”

PH.D. UNDER PROCESS: 03

- a). Mr. Layth Wadhah Ismel “Study the behavior of Fluid Flow in Nano pipes .
b). Mr. Ibrahim Thamer “Numerical and experimental study of performance of Vapour Compression cycle with different Geometry Micro-channel”
(c) Shaheen Hasan ” Optimisation of energy conservation in a building”

COLLABORATIVE PROJECTS WITH OTHER UNIVERSITIES:

S.No	Organizations	No. of Project
1	National Physical Laboratories (NPL)	02
2	Defense Research and Development Organization (DRDO)	01
3	India Institute of Technology (IITD)	02
4	Krishna Institute of Engineering and Technology (KIET)	01

SEMINARS/ CONFERENCES/WORKSHOPS ORGANIZED AND THE SOURCE OF FUNDING (NATIONAL / INTERNATIONAL) WITH DETAILS OF OUTSTANDING PARTICIPANTS

S. No	Name of the conference / seminar /workshop	Funding & sponsoring authorities	Year	Remarks
1	International conference on CAD, CAM & Automation.	IIT-Delhi,DCE,Maruti Ltd. & Escort Tractor.	1996	
2	International conference on innovative technologies in mechanical engineering.		August,2012	

ORGANIZING SECRETARY OF PROFESSOR ABDUL MUBEEN MEMORIAL LECTURE:

S. No	Name of the Lecture Series	Name of the Expert	Year
1	1 st Professor Abdul Mubeen Memorial Lecture	Prof. Rajnees Prakash, Ex. Princial of DCE, Delhi.	16 th March, 2013
2	2 nd Professor Abdul Mubeen Memorial Lecture	Prof. S.N. Singh, Dy.Director, IIT Delhi	12 th March, 2014
3	3 rd Professor Abdul Mubeen Memorial Lecture	Prof. Mushahid Husain, VC, Rohail Khand University, Brelly	9 th October, 2015

LECTURE/SEMINAR/WORKSHOP ORGANIZED:

1. Chairman of the National Seminar on “Solar Robotics” held from 9-10 October, 2015.
2. Workshop on “Fusion 360” 26th October, 2015
3. Two days workshop on “Automobile Design” 27-28th September, 2014.
4. Chairman of the Faculty Development Programme (FDP) on “Mechatronics and

Robotics in Manufacturing Industries from 27th Feb to 12th March, 2015.

EXPERT LECTURE AND QUIZ ORGANIZED:

1. Mahindra Igniters, Quiz Test by Mahindra and Mahindra, April, 2013
2. Invited Lecture on Overseas Education by Nitin Chaudhary on 14th October, 2014
3. A world in Motion organized by Maruti Suzuki India Ltd. Along with SAE, 23rd August, 2014.

Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No	Name of the workshop / Special Lecture / Workshop Tutorial /	Name of the Expert Delivering Special Lecture	Year	Remarks
1	B E Mechanical Farewell programme.	Prof. Nawab Ali(CSIR)	2008	

2	B E Mechanical Farewell programme.	Dr. Imtiaz (Escort Tractor Fridabad)	2010	
3	B E Mechanical Farewell programme.	Sanjay Chopra(MD)	2011	
4	B.Tech farewell party	Prof. Rao(Maruti Shuzki)	2011	
5	B E Mechanical Farewell programme.	Prof. S.N.Singh (IIT-Delhi)	2012	
6	B.Tech farewell party	Dr.D.S.Khatrri (MNC-Gurgaon)	2012	
7	Organize "MAHINDRA IGNITERS" Competition	Mahindra and Mahindra	15 th April, 2013	
8	B.E. Mechanical Subject Association Annual Function		1 st March, 2014	
9	B.Tech (Mech.) fresher party		16 th October, 2016	
10	B.Tech (Mech.) iv- sem	Prof G. Mehmood	5 April 2018	

LIST OF THE TEACHING METHODS ADOPTED BY THE FACULTY FOR DIFFERENT PROGRAMMES (UG/ PG/P HD.).

- a). UG: Chalk & Duster, Lectures, Tutorials, Assignments, Discussions, Seminar, Special Lectures.
- b). PG: Chalk & Duster, White Board & Marker, Lectures, Tutorials, Assignments, Discussions, Seminar, Special Lectures.
- c). Ph.D.: White Board & Marker, Transparency & Overhead Projector, Seminars, Special Lectures, Workshops.

Briefly highlight the contributions in generating new knowledge, basic or applied. With the help of Ph D students, M.Tech students, B.Tech students and financial support from the Department, fabricated the following Test Rig in the Departmental Laboratories and performed project work of the students

- a) Microchannel Test Rig
- b) Flat Plate Heat Exchanger Test Rig.
- c) Pressure Calibration Rig.
- d) Hydraulic Bench for Basic Experiments.

FUTURE PLANS FOR THE DEVELOPMENT OF THE DEPARTMENT.

- a) Research in Fluid Mechanics, Heat Transfer, Mechatronics and micro-channel.
- b) M.Tech in Technology Management.
- c) M.Tech in Energy Management.