



MIST MAGAZINE



15th Graduation Ceremony
01 March 2017



**MILITARY INSTITUTE OF SCIENCE AND TECHNOLOGY (MIST)
MIRPUR CANTONMENT**



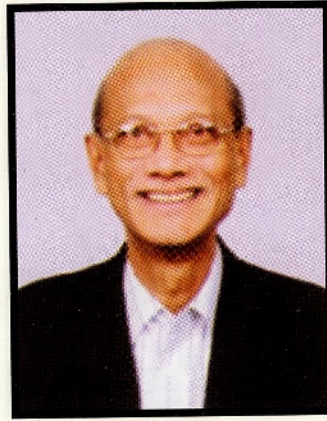
INAUGURAL CEREMONY OF MIST

ON 19 APRIL 1998

**HONOURABLE PRIME MINISTER OF THE PEOPLE'S REPUBLIC OF BANGLADESH
SHEIKH HASINA UNVEILED THE FOUNDATION PLAQUE**



Minister



MESSAGE

I am delighted to know that MIST is going to celebrate its 15th Graduation Ceremony on 1st March 2017. On this day, MIST is crossing another landmark of success in the field of technical education and contributing significantly in the process of building a technology based prosperous nation. I congratulate all the graduating students for successfully completing their academic curriculum.

Establishing MIST by the Honorable Prime Minister Sheikh Hasina was a milestone in the history of technical education in Bangladesh. Since its inception in 1998, MIST has excelled a long way and established itself as a Center of Excellence in the domain of technical innovation and competency supporting the effort of the Government in creating Digital Bangladesh. Within a span of only 18 years, MIST has grown into a full-blown institute with its own campus and 12 departments under four Faculties where more than two thousand five hundred civil and military students pursue their study. It has also established its credibility in the field of research and development in home and abroad.

The present government is moving forward with the commitment to bridge the technology-deprived community with the modern world. I am very happy to know that MIST is contributing a lot in achieving this goal by providing computer and ICT education to our youth and future leaders.

The global scenario is continuously changing with the innovation of new technologies and proliferation of multi-dimensional challenges. I am sure that MIST graduates will be able to mitigate all future challenges identifying the problems, formulate and develop complete engineering solutions leading to social and economic development of Bangladesh.

On this auspicious occasion, I appreciate the faculty members and staff for their relentless efforts for successful conduct of all academic activities. I hope the graduates would utilize their full potential not only in nation-building but also establishing their footprint across the globe. I wish the 15th Graduation Ceremony of MIST a grand success.

Nurul Islam Nahid, MP
Minister, Ministry of Education
&
Chairman Council of MIST



Chief of Army Staff



MESSAGE

It is indeed a matter of great pleasure that 15th graduation ceremony of MIST will be held on 01 March 2017. MIST is working hard to fulfill the long cherished desire of the Armed Forces. It is now appropriately treading with its ultimate motto "Technology for Advancement". Keeping the motto in heart, the faculties and staffs are striving hard to craft MIST as the "Centre of Excellence".

Since its inception by the Honorable Prime Minister Sheikh Hasina in 1998, this institution is progressing steadily to achieve its goal to grow into a "Centre of Excellence". I am pleased to know that MIST has successfully proved its academic excellence both in national and international arena. We are proud having a well- reputed institution like MIST in our country.

I congratulate the graduating students on this auspicious occasion. I hope that they would establish their glorious footprint across the globe and bring name and fame not only for the institute but also for Bangladesh. My heartily congratulations also go to the teaching faculty and staffs for their unwavering commitment in achieving all round success.

ABU BELAL MUHAMMAD SHAFIUL HUQ

General

Chief of Army Staff

Bangladesh Army

and

Vice Chairman, Council of MIST



Chief of Naval Staff



MESSAGE

It is a matter of immense pleasure to see that MIST, a pioneer technical academic institute, is completing 15th graduation ceremony this year. I am delighted to know that the students get bachelor degree just in scheduled time of 4 years. It is noteworthy that among the 306 graduating students from six engineering disciplines, 26 students are getting degree in Naval Architecture and Marine Engineering for the first time. I would like to convey my heartiest congratulation to all graduating students. I also appreciate the faculty members and staffs of MIST for their sincere effort and relentless hard work in order to ensure quality education of international standard over the years.

Pursuing the motto "Technology for Advancement" since inception, MIST has been assuring the scientific development of human resources both in military and civil domain with proper confidence. Research, development and application of technology can take a nation to a great and respectable position. Therefore, the present government felt its enormous necessity in the armed forces and established MIST. With the encouragement and patronization of present government, all three services of armed forces have now been transformed into highly technology based organizations. In doing so, MIST has a very encouraging role in all the fields of engineering and technology. Bangladesh Navy expects that Department of Naval Architecture and Marine Engineering in MIST will keep doing well along with all other departments. We would like to see that the graduates are confident and competent to contribute enough in shipbuilding and development of other maritime sector at home and abroad.

I assure my continuous support for MIST in pursuing its goal to grow into 'Centre of Excellence' to meet the technological prowess in national and international arena.

NIZAMUDDIN AHMED

Admiral
Chief of Naval Staff
Bangladesh Navy
and
Vice Chairman, Council of MIST



Chief of Air Staff



MESSAGE

I am pleased to see that Military Institute of Science and Technology (MIST), since its inception, has been able to establish place of learning as a distinguished landmark in higher education. The mission of this institution is to turnout broadly educated and technology oriented graduates capable of attaining meaningful career and making positive contribution for development of the nation. The institute is unique in choosing the departments and faculties befitting for the development of the country. Meanwhile, MIST has expanded its academic curriculum into 12 degree awarding departments. I believe that graduates from these departments will henceforth diligently take the responsibility of driving the wheel of development of Bangladesh and the world at large.

I am very glad to know that MIST has offered the first undergraduate level education in the field of Aeronautical Engineering in Bangladesh, which soon will be a brand of MIST with its enthralling achievements in various national and international events. I am also delighted to know that MIST has introduced MSc programmes from April 2016. I hope that this department will introduce PhD programme in near future to contribute significantly in the development of aviation sector of Bangladesh.

I really appreciate that Aeronautical Engineering Department has recently achieved accreditation by 'The Board of Accreditation for Engineering & Technical Education' (BAETE) which is a strong proclamation of the remarkable professionalism and impeccable standard that has been maintained by the Department as well as the entire institution. I am certain that MIST will achieve more laurels in near future.

Graduation day is always a wonderful occasion, not just for students and their families, but also for academic staffs. It is a chance to celebrate hard work and achievement and to look forward to what lies ahead. On this auspicious occasion of 15th Graduation Ceremony, I would like to congratulate all the bright graduating Engineers for successful completion of their journey at MIST. I would also like to convey my best regards to the Commandant, faculties, parents, guardians and all the members of MIST for their relentless effort. I am confident that every new graduate has the potential for leadership. They will effectively address the world's challenges and seize the most exciting opportunities. May Allah bless us all.

Air Chief Marshal Abu Esrar, BBP, ndc, accs
Chief of Air Staff
Bangladesh Air Force
and
Vice Chairman, Council of MIST



Principal Staff Officer
Armed Forces Division



MESSAGE

Military Institute of Science and Technology (MIST), under the umbrella of Armed Forces Division (AFD) was inaugurated by the then Honorable Prime Minister of People's Republic of Bangladesh Sheikh Hasina on 19 April 1998. Since then, MIST has come a long way and now it is recognized as a leading breeding ground of science and technology professionals.

I would take this opportunity to acknowledge the relentless efforts of the faculties and staffs of MIST, which turned this institute into a 'Centre of Excellence'. I am delighted to learn that 306 students are going to achieve their graduation degree at this 15th Graduation Ceremony of MIST. I would like to express my heartiest felicitations to all the graduates.

As an apprentice of security studies, over time I have realized that security provides stability which ensures development. When we are talking about engineering or technological development, it is so important to think about the security aspects. Otherwise, their development would be fragile; and life and society as a whole would be unsafe.

As a student of strategic leadership, I am deeply interested in the ethical dimension of engineering and technological development. We, as the future leaders in this field, need to choose among-'Profit', which is short term; 'People', which is socially connected community and midterm; and, finally, 'Planet', which is the compatibility between our technological development and our eco-system and that is long term. The responsibility of the choosing is with us. God is blameless. To my understanding that is why the ethical dimension is so important.

May Allah bless us. Ameen.

Lieutenant General Md Mahfuzur Rahman, rcds, ndc, afwc, psc
Principal Staff Officer



Engineer in Chief



Bismillahir Rahmanir Rahim.

MESSAGE

It is an immense pleasure for me to send off this message on the auspicious occasion of the 15th Graduation Ceremony of MIST. Since its inception, MIST has passed eighteen glorious years. The glorious past of MIST makes us feel much proud of our achievements. Starting with the first batch in 1999 till today, MIST has accomplished an amazing transformation and has been able to establish itself as one of the reputed, prominent and leading engineering institutes of Bangladesh. Over the last few years MIST has gone and been going through continuous transformation amazingly and attracting attention and sincere admiration of faculties and professionals of home and abroad. At the same time MIST is looking forward towards playing a multi-dimensional role in future in materializing the dream of a "Digital Bangladesh" as envisaged by our honorable Prime Minister Sheikh Hasina.

I am happy to know that besides the graduating batches from Civil Engineering (CE), Computer Science and Engineering (CSE), Mechanical Engineering (ME), Electrical Electronic and Communication Engineering (EECE) and Aeronautical Engineering (AE), the 1st batch of Naval Architecture and Marine Engineering (NAME) is also graduating in this year.

I feel proud to note that a good number of students of MIST participated in world level competition and achieved recognition for this institution in 2016. In September 2016, a group of students from CSE Department took part in European Rover Challenge Competition held in Poland and achieved commendation. A delegation from MIST visited few renowned Universities and Educational Institutes of Germany and Sweden in June 2016.

On this glorious event of the 15th graduation ceremony, we reaffirm the motto of MIST "Technology for Advancement" and pledge to live up to the mission. On this memorable occasion, I congratulate the graduating students on their success. I also congratulate the proud parents and faculties for their incessant support and admirable roles behind the success story.

I am confident that with the inculcated knowledge and skills the graduates will surely have a positive impact in realizing the modernization and development of Bangladesh.

Major General Md Siddiqur Rahman Sarker, SGP, hdmc, psc

Engineer in Chief
Bangladesh Army
and

Vice-Chairman, Governing Body of MIST



Commandant



FOREWORD

Bismillahir Rahmanir Rahim. It is a great pleasure for me to forward this message on the eve of the 15th graduation ceremony of MIST. In the era of technological advancement, MIST has become a milestone in imparting education to promising engineering graduates, transforming them as a problem solvers, project leaders, communicators and global mentors in their respective fields. As on today 2880 students, both civil and military background, have been graduated from MIST. On this auspicious occasion of the 15th Graduation Ceremony, I heartily congratulate all 306 students who are graduating this year from 06 different engineering departments.

Starting with only Civil Engineering departments, MIST now stands with 12 departments. Opening MSc, MPhil and PhD programmes in different discipline has created a new horizon in research activities of MIST. Quality education along with research is our trade mark. We are also looking forward to materializing the dream of "Digital Bangladesh" as envisaged by our Honourable Prime Minister Sheikh Hasina.

I express my heartfelt thanks and sincere gratitude to Honourable Education Minister Mr Nurul Islam Nahid, MP for his valuable guidance and continuous support to uplift MIST at international standard. I am grateful to all members of our regulatory bodies for their relentless contribution in developing MIST as "Centre of Excellence".

On this memorable occasion, I congratulate the proud parents and faculties for their admirable roles behind the success story. I express deep satisfaction on the relentless efforts of all members of MIST to make the graduation ceremony a success. The editorial board deserves appreciation for their excellent and elegant exposure through publication of MIST Magazine 2017.

Let's enrich technology based world together to meet future challenges.

Major General Md Abul Khair, ndc, PEng
Commandant

Military Institute of Science and Technology
and

Chairman, Governing Body & Academic Council of MIST



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Commandant, MIST

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Inzamam-Ul-Haque, BME-1



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- Vice Chancellor (VC), BUP
- Engineer in Chief (E in C), Army Headquarters (AHQ)
- Commandant, MIST
- Commandant, BMA
- Commandant, BNA
- Commandant, BAFA
- Representative of the VC, (Prof eqvt) Faculty of Science, DU
- Representative of the VC, (Prof eqvt) BUET
- All Dean's of Faculty (CE, ECE, ME, and Sc & Engg), MIST
- Representative of the Ministry of Education
- Representative of the Ministry of Finance
- Representative of the Ministry of Science and Technology

❖ **Member Secretary:** Colonel Staff, MIST

Governing Body of MIST

❖ **Chairman:** E in C, Bangladesh Army / Commandant, MIST (As per seniority)

❖ **Vice Chairman:** E in C, Bangladesh Army / Commandant, MIST (As per seniority)

❖ **Members:**

- Representative of the VC, Faculty of Science, DU
- Representative of the VC, BUET
- Representative of the VC, BUP
- Dean / Senior Instructor appointed by Commandant BMA / Commandant MIST
- Dean / Senior Instructor appointed by Commandant BNA / Commandant MIST
- Dean / Senior Instructor appointed by Commandant BAFA / Commandant MIST
- Director General, Training Directorate, AFD
- Director, Military Training, Bangladesh Army
- Director, Naval Training, Bangladesh Navy
- Director, Air Training, Bangladesh Air Force
- All Dean's of Faculty (CE, ECE, ME, and Sc & Engg), MIST
- Director, Research & Development (R&D), MIST
- Director Administration, MIST
- Representative of MOD
- Representative of Ministry of Education
- Representative of Ministry of Finance
- Representative of Ministry of Post, Telecommunication and Information Technology

❖ **Member Secretary:** Colonel Staff, MIST



REGULATORY BODIES

Academic Council of MIST

❖ **Chairman:** Commandant, MIST

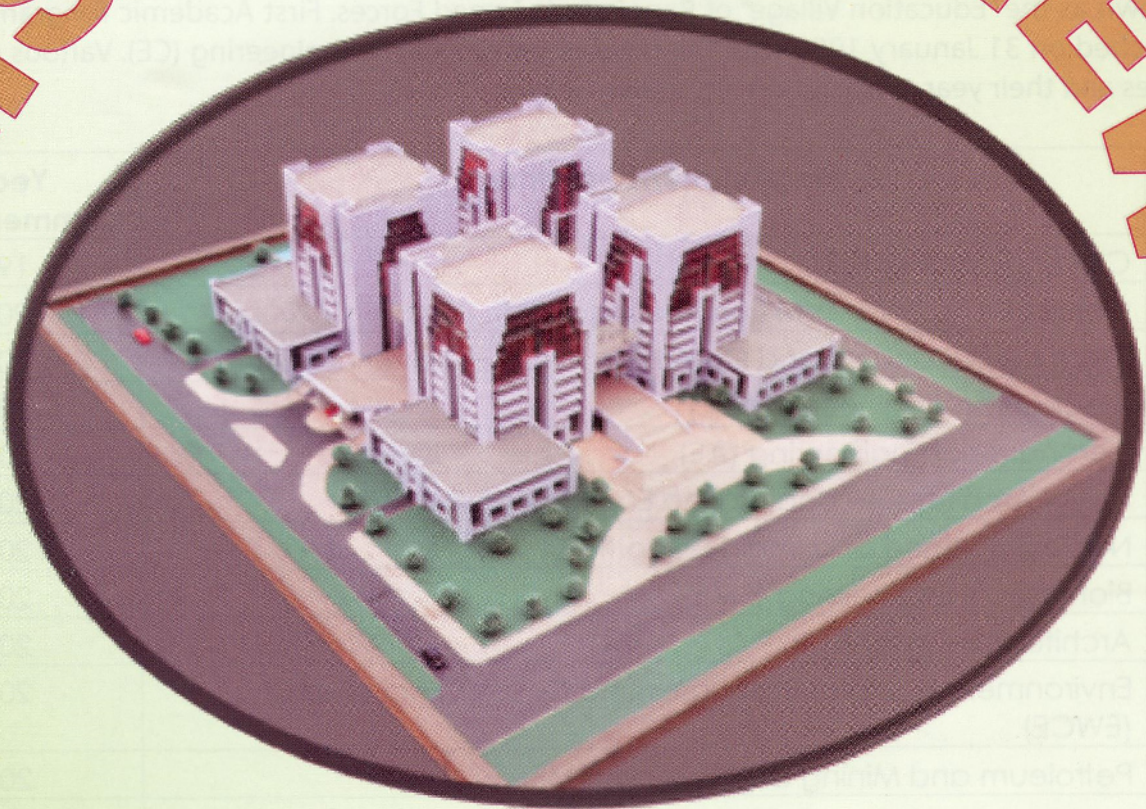
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- Representative of Commandant, Engineering Faculty, BMA
- Representative of Commandant, Engineering Faculty, BNA
- Representative of Commandant, Engineering Faculty, BAFA
- Director, Research & Development (R&D), MIST
- Heads of all Departments, MIST
- Colonel Staff, MIST
- Controller of Exam, MIST
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- Representative of Military Training Directorate, AHQ
- Representative of Naval Training Directorate, NHQ
- Representative of Air Training Directorate, Air HQ
- Representative of MOD
- Representative of Ministry of Education

❖ **Member Secretary:** General Staff Officer Grade-1 (Academic), MIST



MIST OVERVIEW





ABOUT MIST



Military Institute of Science and Technology (MIST) is the pioneer Technical Institute of Bangladesh Armed Forces. It is purely a Government educational institution focusing only engineering education and research. Head of the institution is Commandant who is a Major General from Bangladesh Army. MIST started its journey since 19 April 1998. It was the visionary dream of the Honorable **Prime Minister** of People's Republic of Bangladesh **Sheikh Hasina** to establish this Institute. MIST is located on the northwest part of Dhaka City at Mirpur Cantonment. is

well known as the "Education Village" of Bangladesh Armed Forces. First Academic Programme of MIST was launched on 31 January 1999 with the maiden batch of Civil Engineering (CE). Various engineering disciplines and their year of operation are shown below:

Serial	Programme/ Department	Year of Commencement
1	Civil Engineering (CE)	1999
2	Computer Science and Engineering (CSE)	2001
3	Electrical, Electronic and Communication Engineering (EECE)	2003
4	Mechanical Engineering (ME)	2003
5	Aeronautical Engineering (AE)	2009
6	Naval Architecture and Marine Engineering (NAME)	2013
7	Nuclear Science and Engineering (NSE)	2015
8	Biomedical Engineering (BME)	2015
9	Architecture (Arch)	2015
10	Environmental, Water Resources and Coastal Engineering (EWCE)	2015
11	Petroleum and Mining Engineering (PME)	2016
12	Industrial and Production Engineering (IPE)	2016

MIST is also offering PhD / MSc / M Engg under CE, EECE, ME, CSE, AE, NSE, BME departments Besides this MPhil and PhD progmmes are being conducted under Physics, Chemistry and Mathematics departments.

As an institution MIST is already on steady stride upholding its motto '**Technology for Advancement**' and remains committed to contributing to the wider spectrum of national educational arena, playing a significant role in the development of human resources and gradually pursuing its goal to grow into a '**Centre of Excellence**'.

Foreign students were admitted first time in session 2008-2009. Since then total seven students from various countries have graduated from MIST. MIST envisages creating facilities for military as well as civil students from home and abroad dedicated to pursue standard curriculum leading to graduation and post-graduation degrees.

15th Graduation ceremony-2017



Total 2880 students have graduated from this institute. The graduates are proving their worth in higher studies and professional assignments both in home and abroad with dignity and efficiency. At present MIST has total 3070 students out of which 80% is civil students.

ATTRIBUTES OF MIST

- ✓ High standard admission and selection process for best possible screening.
- ✓ Interactive sessions in the classroom.
- ✓ Regular guest lectures and educational visits.
- ✓ Discipline, punctuality commitment and uninterrupted curriculum.
- ✓ Flexibility in choosing competent faculties through outsourcing.
- ✓ Well thought-out and continuous feedback and assessment system.
- ✓ Effective teaching through innovative method.
- ✓ Industrial attachment for on job training.
- ✓ Focus to develop students as good human being with all possible attributes of a successful leader.
- ✓ Tranquil, pollution free and secured campus life.



OBJECTIVES

- ✓ To establish a prestigious academic institute for studies in different fields of engineering and technology for military personnel and civil officials/ students of home and abroad at graduate and post graduate levels.
- ✓ To organize courses on military science, technology and management in various arena of interest.
- ✓ To hold examinations and confer certificates of diplomas/degrees and other academic distinctions, to and on persons who have persuaded a course of study and have passed examinations conducted by the institute.
- ✓ To confer research degrees, award fellowship, scholarship, exhibition, prizes, medals and honorary degrees to persons who have carried out research works under conditions as prescribed in the MIST regulations.
- ✓ To establish Teaching Divisions (Div), Departments (Department), Centres, Faculties etc and to make necessary arrangements for their maintenance/management/administration.
- ✓ To make provisions for advisory, research and consultation service including supervision, material testing and to enter into suitable agreement with any persons/organizations for these purpose.
- ✓ To co-operate with Universities/ Technical Institutions (both military and civil) including memoranda of understanding (MOU) in home and abroad, in the manner and purpose as the institute may determine.
- ✓ To do such other acts, related to above-mentioned objectives, as may be required in order to expand the objectives of the institute.



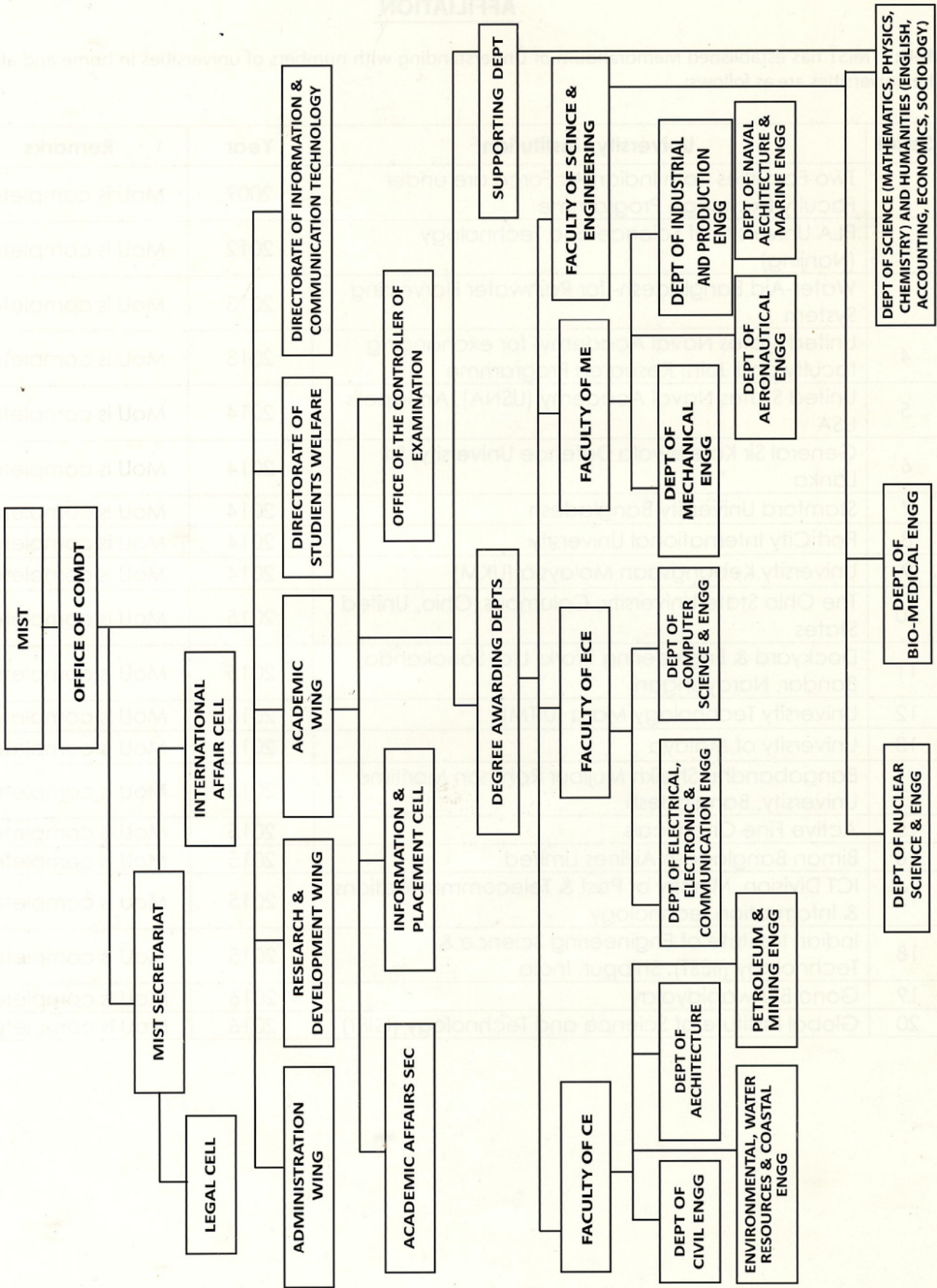
CAPABILITIES

- ✓ To conduct under-graduate programmes leading to BSc Engineering Degrees in the following disciplines:
 - ❖ Civil Engineering (CE)
 - ❖ Computer Science and Engineering (CSE)
 - ❖ Electrical, Electronic and Communication Engineering (EECE)
 - ❖ Mechanical Engineering (ME)
 - ❖ Aeronautical Engineering (AE)
 - ❖ Naval Architecture and Marine Engineering (NAME)
 - ❖ Architecture (Arch)
 - ❖ Environmental, Water Resources and Coastal Engineering (EWCE)
 - ❖ Nuclear Science and Engineering (NSE)
 - ❖ Biomedical Engineering (BME)
 - ❖ Petroleum and Mining Engineering (PME)
 - ❖ Industrial and Production Engineering (IPE)
- ✓ To conduct post graduate programmes (Masters and PhD)
- ✓ To conduct diploma and certificate programmes in Civil Engineering.
- ✓ To conduct diploma and certificate programmes in Computer Science & Engineering.
- ✓ To conduct diploma and certificate programmes in Electrical & Electronics Engineering.
- ✓ To conduct diploma and certificate programmes in Mechanical Engineering.
- ✓ To conduct research and professional advanced programs / courses for Armed Forces in different fields of Military Science & Technology as requirement arises.

AFFILIATION

All academic programmes of MIST are affiliated with Bangladesh University of Professionals (BUP). All examinations are conducted as per the schedule approved by the same university. BUP also approves the results and awards certificates amongst the qualified students.

ORGANOGRAM





AFFILIATION

MoU: MIST has established Memorandum of Understanding with numbers of universities in home and abroad. The universities are as follows:

Serial	University/ Institution	Year	Remarks
1	Two Faculties from Indian Air Force are under Faculty Exchange Programme	2009	MoU is completed
2	PLA University of Science and Technology (Nanjing)	2012	MoU is completed
3	Water-Aid Bangladesh- for Rainwater Harvesting System	2013	MoU is completed
4	United States Naval Academy- for exchanging faculty and Joint Research Programme	2013	MoU is completed
5	United States Naval Academy (USNA), Annapolis, USA	2014	MoU is completed
6	General Sir Kotelewala Defence University, Sri Lanka	2014	MoU is completed
7	Stamford University Bangladesh	2014	MoU is completed
8	Port City International University	2014	MoU is completed
9	University Kebangsaan Malaysia (UKM)	2014	MoU is completed
10	The Ohio State University, Columbus, Ohio, United States	2015	MoU is completed
11	Dockyard & Engineering Works Ltd, Sonakanda, Bandar, Narayanganj	2015	MoU is completed
12	University Technology Mara (UITM)	2015	MoU is completed
13	University of Malaya	2015	MoU is completed
14	Bangabandhu Sheikh Mujibur Rahman Maritime University, Bangladesh	2015	MoU is completed
15	Active Fine Chemicals	2015	MoU is completed
16	Biman Bangladesh Airlines Limited	2015	MoU is completed
17	ICT Division, Ministry of Post & Telecommunications & Information technology	2015	MoU is completed
18	Indian Institute of Engineering Science & Technology (IIST), Shibpur, India	2015	MoU is completed
19	Gono Bishwabidyalay	2016	MoU is completed
20	Global Institute of Science and Technology (GIST)	2016	MoU is completed



Seminar/ Workshop/ Short Course/ Conference: Following are the Seminars/ Workshops/ Short Courses/ Conferences conducted by various departments of MIST in 2014 - 2017:

Ser	Seminar/ Workshop/ Short Courses	Organizing Department
1.	1st Regional Seminar on "Climate Change, Water Security and prospects of Rainwater in Bangladesh	CE
2.	Seismic Performance Assessment and Design of Structures	CE
3.	Building Construction and structural safety	CE
4.	Certificate Course on Professional GIS	CE
5.	Certificate Course on Professional Building and Bridge Design using ETABS and SAP 2000	CE
6.	Professional Training Programme on Environmental Management in Export Processing Zones of Bangladesh	CE
7.	Building Construction and quality control	CE
8.	Workshop on Seismic Performance Assessment and Design of Structure'	CE
9.	Professional Training Course on Promotion of Industrial, Social and Environmental Standards in EPZs of Bangladesh	CE
10.	International Conference on Advances in "Civil Infrastructure and Construction Materials (CICM)-2015"	CE
11.	Seminar on "Cyber Security"	CSE
12.	Technical Session on Innovation for Smart Green Building Project	CSE
13.	18th International Conference on Computer and Information Technology (ICCI-2015)	CSE
14.	Cloud Technology- A New Dimension in Computing	CSE
15.	Short Course on Mobile Application Development-2015	CSE
16.	Workshop on "BD Apps" by Robi Axiata Limited	CSE
17.	Seminar on " Global Navigation Satellite System (GNSS)"	CSE
18.	Campaigning on EATL Prothom Alo "Apps Contest 2016"	CSE
19.	Short Course on "Office Automation System" for BEPZA officials	CSE
20.	Lecture Session on "Brain Machine Interface (BMI)" (Advancement of Human Machine Interface for Rehabilitation Engineering)	CSE
21.	Lecture Session on #CODESPARK- Be the Spark of tomorrow by Microsoft of Bangladesh	CSE
22.	Short Course on Microcontroller and Robotics	EECE
23.	International Conference on Electrical Engineering and Information & Communication Technology (iCEEICT-2014)	EECE
24.	Workshop on Technique Electrical Power Quality Understanding, Standard, Events, Analysis and Mitigation Techniques	EECE
25.	Effective Academic and Review Manuscript Writing	EECE
26.	Past, Present and Future Trend of Automobiles	ME
27.	Scope of Mechanical Engineers in Power Plant	ME
28.	1st International Conference on Mechanical Engineering and Applied Science (ICMEAS 2017)	ME
29.	Workshop on Remote Controlled Aircraft Design, Fabrication and Operation	AE
30.	Short Course on Ship Design Using Software (MAXSURF)	NAME
31.	The Essential Prerequisite for Effective Healthcare in Bangladesh	BME
32.	Seminar on Bio Safety Awareness: A Pathway to Improved Public Health	BME
33.	Bangladesh International Conference for Biomedical Students & Young Doctors (BICoBS) - 2016	BME
34.	Challenges and Future Prospects in the Sectors of Environment, Water Resources, and Coastal Zones: Perspective from Potential Engineers	EWCE
35.	1st International Conference on Climate Change and Water Security	EWCE
36.	Seminar on Perspective Future of Nuclear Engineering in Bangladesh	NSE
37.	Workshop on "Nuclear Engineering"	NSE

Faculty of Civil Engineering

- Civil Engineering (CE)
- Architecture (Arch)
- Environmental, Water Resources and Coastal Engineering (EWCE)
- Petroleum and Mining Engineering (PME)

Faculty of Electrical and Computer Engineering

- Computer Science and Engineering (CSE)
- Electrical, Electronic and Communication Engineering (EECE)

Faculty of Mechanical Engineering

- Mechanical Engineering (ME)
- Aeronautical Engineering (AE)
- Naval Architecture and Marine Engineering (NAME)
- Industrial and Production Engineering (IPE)

Faculty of Science and Engineering

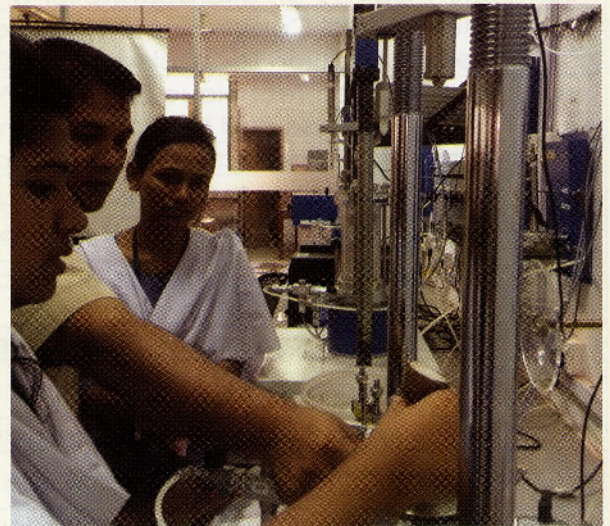
- Biomedical Engineering (BME)
- Nuclear Science and Engineering (NSE)
- Dept of Science (Mathematics, Physics, Chemistry) and Humanities (English, Accounting Economics, Sociology)

Presently MIST has twelve departments to conduct BSc Engineering Course under four different engineering faculties. The departments impart education basing on common objectives and outcomes set by MIST and have defined program objectives and outcomes, specific to the departments respectively.

FACULTY OF CIVIL ENGINEERING

Civil Engineering (CE) Department

The CE Department of MIST, building itself on the four pillars of morale: fundamentals, innovation, excellence and advancements, holds its glory of being the pioneer department of MIST. Since its uprising in 1999 and focusing on creating a positive, interactive learning environment, the department of CE produces top-notch engineers and leaders for the next generation. The department started its journey as pioneer department with 40 military students in 1999. After 17 year of its inception, the department has again pioneered in introducing Post Graduate Degree in CE since October, 2012. At present 26 faculties are serving in this department of whom 7 are PhD qualified. It is now providing the most sophisticated and updated technological support in the field of civil engineering. In addition, the programmes emphasis on engineering sciences and design;



provides students with ample opportunity to put their knowledge into practice by solving real-world problems under the guidance of our readily approachable faculty members. This department is enriched with highly experienced and disciplined teaching staffs having wide vision. The department plays a very important role in the country's infrastructural development. Many important construction works and projects in the field of structural, geotechnical, transportation and environmental engineering are carried out with the consultancy services of this department.

15th Graduation ceremony-2017



Architecture (Arch) Department



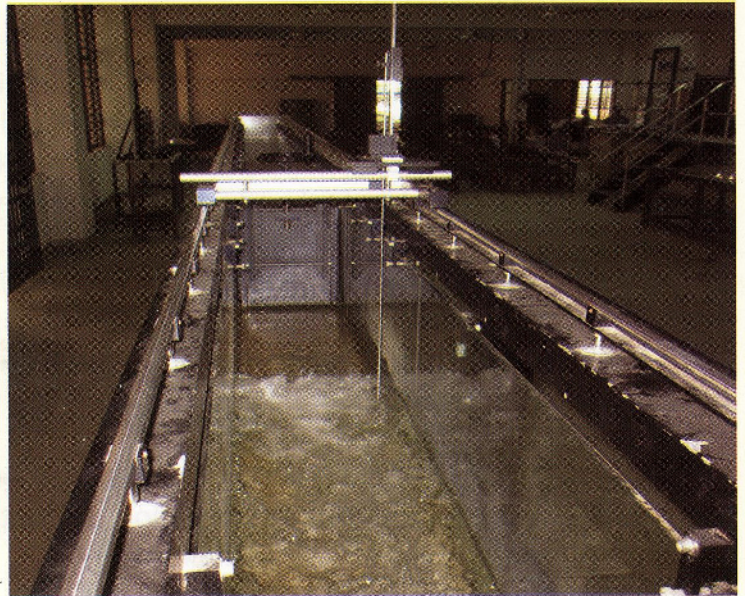
Department of Architecture has started its' journey in 2015. The department has all the capability to face any hardship. All enrolled students for the Bachelor of Architecture (B.Arch.) programme shall have to complete five (5) years' & minimum 189 credit hours. There will be General Education, History, Human Behaviour and Environment courses, Design support sessionals, Design Communication studio course, Technical System Courses. Students of the programme need to earn minimum CGPA of 2.20 in the theory courses and complete the thesis/project

unsatisfactorily der the supervision of a designated supervisor within the stipulated time duration.

Environmental, Water Resources and Coastal Engineering (EWCE) Department

With the vision of developing specialized personnel on Environmental Engineering, Water Resources Engineering and Coastal Engineering fields, EWCE department has been introduced in MIST since January 2015 session. Currently the department is offering undergraduate programmes in the above mentioned engineering fields and has subsequent plan for offering higher studies.

In Bangladesh, environmental pollution in terms of water, air and soil; waste management; health hazard and other environmental issues need to be addressed as well as assessed properly. Besides, environmental aspects of large scale civil



engineering projects should be given special attention to mitigate their adverse impacts on environment. On the other hand, the vast water resources of the country should be utilized carefully maintaining ecological balance. Water structures, like bridge, culverts, dam, and embankments should be designed properly maintaining river morphology and allowing proper navigation. Again, Bangladesh has the longest coastal belt in the world. The coastal zone of the country provide with enormous marine resources. Specialized study programme and comprehensive long term research on marine environment are required for understanding the unique and dynamic nature of the coastal belt as well as for sustainable development projects along the coastal region of the country.

Now, it is high time for comprehensive study and research on all the issues mentioned above regarding water resources, coastal zones and overall environment. Addressing the importance of these issues and with a view to contributing to the socio-economic condition of the country, EWCE department of MIST has taken the time stipulated step to nourish the development of promising researcher, experts as well as leaders on these specialized fields. Being a very new department in MIST, currently it has 138 students, and 6 highly dedicated and experienced instructors. It has the laboratory facilities on environmental



engineering and water resources engineering. These laboratories provide research as well as consultancy services. The department has also a library and the library facilities will be extended further. It is expected that specific field studies and researches on environment, water resources and coastal engineering, initiated by this new department in MIST, will foster better understanding and enhance knowledge on those fields.

Petroleum and Mining Engineering (PME) Department

The Department of Petroleum and Mining Engineering (PME) offers Bachelor of Science in Petroleum and Mining engineering which is one of the top university level programmes among the engineering universities in Bangladesh. The Department of Petroleum & Mining Engineering has started its academic function from 03 February 2016 with the objective to produce qualified personnel in the field of Petroleum & Mining Engineering, skilled enough to quantify the resources, and to develop those resources for proper exploitation. The programme is designed to prepare graduates for national and international field of Petroleum and Mining Engineering.



The mission of the Department of Petroleum and Mining Engineering is to guide all efforts aiming to build, sustain, incorporate, convey and apply petroleum and mining engineering knowledge and to augment the human resources of these disciplines and thus to help ensuring the nation an energy-secure future that balances environmental impact and affordable energy supply.

To fulfill this mission, the PME department is committed to pursue excellence in Reservoir Engineering, Production Engineering, Well Drilling and Completions, Mine Surveying, Rock Mechanics, Integrated Reservoir Characterization, Fit-for-purpose Reservoir Management Techniques, and Mining Engineering with balance environmental impact.

The vision of the department is to remain as the number one petroleum and mineral resources engineering programme in the nation and in the region, so that its graduates are globally admired, respected and fit-for-purpose professionals within the industry.

FACULTY OF ELECTRICAL AND COMPUTER ENGINEERING

Computer Science and Engineering (CSE) Department



15th Graduation ceremony-2017

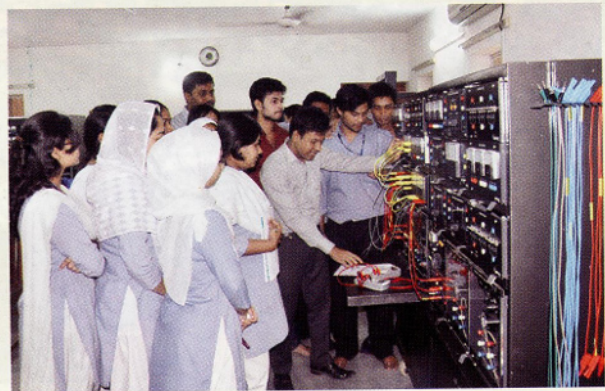
Department of CSE has started its journey from academic session 2000-2001. The department is currently offering undergraduate programme BSc in CSE as well as graduate and postgraduate programmes (PhD, MSc and MEngg) in CSE. With its excellent professional competence, pragmatic curriculum, expert teaching viewpoints and capabilities of training, B.Sc. in CSE degree program has achieved accreditation from BAETE (IEB) on 10 July 2013 with a grade as "Good". This department produces highly qualified and skilled



computer science graduates. Over the years, this rapidly flourishing department has been providing the technical foundation, scholarly guidance and leadership skills to the undergraduate and postgraduate students who proved their potentiality in home and abroad. Major areas of specialties of CSE department are Software, Hardware, Networking, Computer Graphics & Image Processing, Artificial Intelligence & Robotics, System Analysis Design & Development, Information Systems Security etc. At present 28 faculties specialized from different background (civil, military and foreign) are serving in this department. In addition a good number of senior faculties from renowned universities like BUET, Dhaka University conduct courses as guest faculties. This department offers adequate facilities for carrying out innovative research works in the field of CSE.

Electrical, Electronic and Communication Engineering (EECE) Department

The foundation of EECE department was laid in 2003. It is functioning under the Faculty of Electrical & Computer Engineering. The department is offering both undergraduate and postgraduate programmes. The department is subdivided into three major areas: Power, Electronics and Communication in the graduate and undergraduates curriculum. At present this department is served by a group of competent, qualified faculty members along with several renowned professors from BUET as a guest faculty. Around 360



undergraduate and 120 post graduate students are currently studying in the department. The Department offers a diverse educational experience with a focus on traditional areas as well as in emerging areas. The faculties are always engaged in numerous research areas including satellite navigation, radar detection and tracking, optical fiber communicate broadband wireless communications, renewable energy and thin film technology. At present, there are 25 faculties in this department. The department frequently arranges international conference, seminars and project competition to enhance the knowledge of the students. The students of this department participate in various national and internal competitions throughout the year. Under this department, MIST robotics club and IEEE student branch are performing. The department got accreditation from BAETE in September 2010. Post graduate programme under this department started functioning since October 2013.

FACULTY OF MECHANICAL ENGINEERING

Mechanical Engineering (ME) Department

The ME department started its journey from January 2003. The aim of the department is to provide mechanical engineering with high-quality engineering education and contribute new knowledge through research in mechanical engineering and allied disciplines. Mechanical Engineers apply the principles of mechanics and energy to the design of machines and devices. They must be able to control mechanical systems





and usually work with other professionals in designing these systems. Automobiles, engines, heating and air-conditioning system, gas and steam turbines, air and space vehicles, trains, ships, servomechanisms, transmission mechanisms, machine tools, material handling systems, elevators and escalators, and robots used in industry are a few of the systems and devices requiring mechanical engineering knowledge. The ME department offers dynamic educational programmes. The faculty also delivers quality engineering education. The department offers studies leading to the BSc in ME, MSc in ME and the PhD. This department has received accreditation from BAETE, IEB on March 2010 with a grade as 'GOOD'.

Aeronautical Engineering (AE) Department



AE department started its journey from 1st February 2009. The department is currently offering B.Sc and MSc in AE programme. The Department is going to start PhD in AE programme from April 2017. The new generations of Aeronautical Engineers are encouraged to undertake research and development activities in the areas of aerodynamics, aerospace propulsion, aircraft loading & structural analysis, aerospace vehicle design, space Engineering, advance aerospace technology, avionics and analysis of fundamentals as well as applied problems. The department is

organized into two major divisions: Aerospace and Avionics with a total of 238 students currently studying here. Overseas students from different countries like Palestine, Maldives and Nepal pursued their bachelor degree from this department which was the beginning of wide opportunities for international students. The department is running its 8th batch with successful graduation of 4 batches of 235 students. 17 faculties specialized from different background (civil, & military) are serving in this department. Out of them two are from Indian Air Force.

Within only about eight years, the department has participated in many national and international competitions and has clinched praise-worthy results. Mentionable are NASA Lunabotics mining Competition 2013 (USA), DBF Competition 2013 (USA), SAE Aero-design competition 2013 (USA), NASA Lunabotics mining Competition 2013 (USA), SAE Aero-design competition 2014 (USA), DBF Competition 2014 (USA), Future Flight Design (FFD) 2015 (Turkey). Aeronautical Engineering Department of MIST has organized 1st National Aero Design Competition in 2014 which is a milestone in the era of aviation in Bangladesh. It has also organized several job fairs, workshops and short courses to enlighten the interested people from diverse background about different aspects of Aeronautical Engineering. The Board of Accreditation for Engineering & Technical Education (BAETE) approved Aeronautical Engineering programme of MIST in 2015. AE Department has already signed MOU with Biman Bangladesh Airlines. The department is in the process of concluding MOU with Civil Aviation Authority of Bangladesh (CAAB), US Bangla airlines, SPARSO, Beijing University of Aeronautics and Astronautics (China) and other universities / organizations at home and abroad for the improvement of its academic capabilities.



Naval Architecture and Marine Engineering (NAME) Department

The department of NAME started its journey with undergraduate programme from 27 January 2013 consisting of 30 students. The department is organized into two major divisions: Naval Architecture and Marine Engineering. Naval Architecture acknowledges the capability to design various types of ships & offshore structure with optimum design features. Marine engineering is related with design, operation & maintenance of propulsion system & machinery of ships.

The aim of NAME Dept. is to provide students keen knowledge about designing of ships & offshore

structures, determining the optimum/efficient shape for the hull/structure, supervision of construction work etc. On this premise, the department had organized several seminars, short courses and industrial visits within last four years to hone the knowledge of the students through the exposure to practical training. The department has made an MOU with US Naval Academy and is in the process of concluding MOU with several other national and international institutes.

The various industry positions where the students may be employed including ship design firms, dockyards, shipyards, shipping companies, classification societies, Ministry of Shipping, BIWTA and BIWTC. At present, 175 students in four levels are studying & 10 faculties, specialized from different background (Military & Civil) are serving in this department. NAME department have plan to start MSc Programme from session 2017-2018.



Industrial and Production Engineering (IPE) Department



Industrial and production Engineering (IPE) department was established in 2016 under the faculty of Mechanical Engineering to develop much needed professionals required for the growth of modern industries. The focus of undergraduate programme in IPE is on manufacturing and quality, process design and productivity improvement, management and host of core subjects to meet the emerging technological needs of the industry. Education in IPE is very much leaned to practical situations and the relationship of the department with the industries will be strengthened through their involvement in curriculum development and various programmes such as seminars, visits and student projects. The department of IPE aims

not only to produce efficient engineers, but also well-educated conscientious leaders who can contribute to the development of the country through ameliorating our industries.

A typical under-graduate course on Industrial & Production engineering emphasizes on manufacturing and improvement of productivity. A student will also learn the trends of dynamics and control and hence will develop a sound knowledge about overall industrial production and management. He/ She will also learn to analyses the emerging technological trends of the industry.

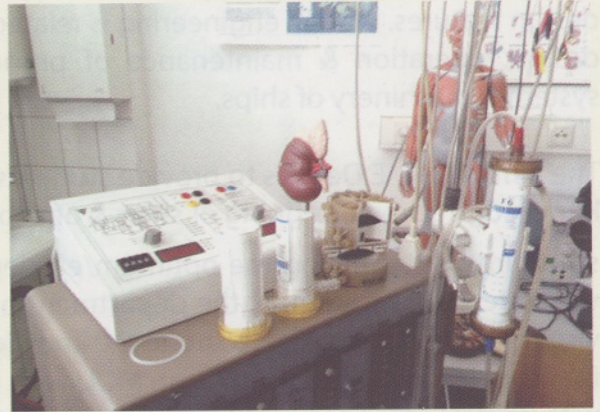


FACULTY OF SCIENCE AND ENGINEERING

Biomedical Engineering (BME) Department

In 2014, the Department of Biomedical Engineering was founded and began offering undergraduate degree. A set of undergraduate students were selected and in February 2015 the first batch students were enrolled in Biomedical Engineering department. Following the same, MSc and PhD degrees in BME were approved and it has began to receive students in this field from October 2015.

BME aims to improve human health by applying engineering principles and methods to medical problems. Although Biomedical Engineering is a very recent subject being introduced in our country, it is already a highly demanding field of study. Students get versatile means for career development after completing the degree. Today biomedical engineers are employed in industry, hospitals, research work, in government regulatory agencies etc.



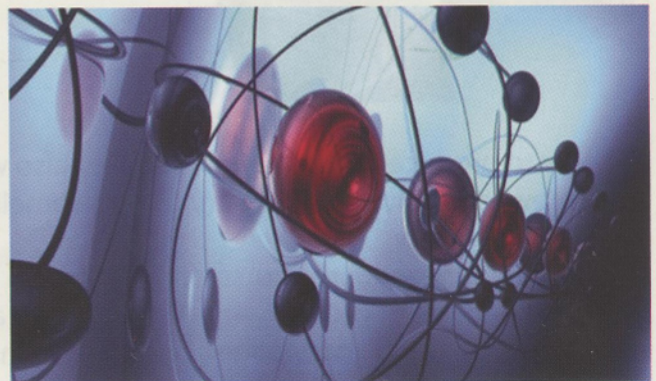
BME is a broad, interdisciplinary field that applies the art of engineering principles and design concepts related to biology, medicine, and biotechnology for healthcare purposes e.g diagnostic or therapeutic. The field seeks to close the gap between engineering and medicine. All the life saving devices like cardiac pacemakers, defibrillators, artificial kidneys, blood oxygenators, prosthetic hearts, and joints etc. Along with the commonly known medical equipment CAT, PET, MRI, functional NMR, potential mapping, CT scan, X-ray machine etc. all are the outcome of BME.

The undergraduate programme in BME provides a strong foundation in the basic sciences, mathematics, engineering and life sciences. The goal is to enable participants to compete successfully for engineering-related positions immediately upon graduation or to pursue post-graduate education in engineering, science, or medicine. Undergraduates will have the ability to contribute significantly to the development of new knowledge, understanding, and innovative solutions in the health care industry and across a wide variety of health care related research applications.

Nuclear Science and Engineering (NSE) Department

The Department of NSE provides education for students interested in developing the peaceful applications of nuclear science and engineering for societal needs. Given the global climate change and fuel supply security concerns, nuclear energy is emerging as an important national energy policy element.

The applications of other nuclear technologies in medicine and industry have focused attention on the value of strong nuclear science and engineering programme. In response to this demand, MIST has developed a new discipline-focused programme of study that prepares professionals for the many diverse applications of nuclear science and engineering. Most of the applications fall within the following areas: Modeling and simulation, Nuclear energy, Thermal hydraulics, Radiation shielding, Health Physics, Radioactive waste



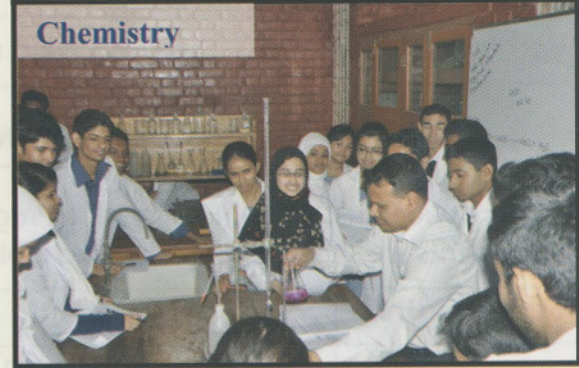
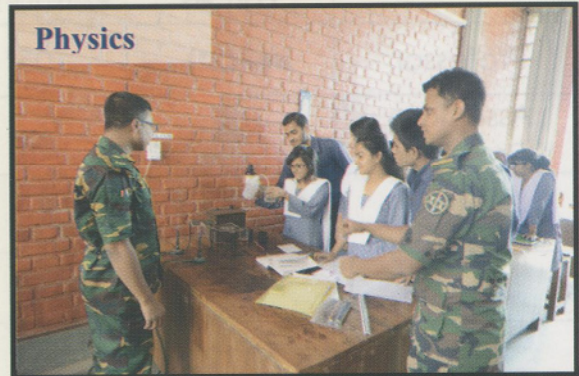


management, Nuclear security and safeguards with MCNP, RELAP5, Scale, RASCAL, etc. Problems of military and national importance have consequently received great emphasis in the activities of this department.

Science (Mathematics Physics, Chemistry) and Humanities ((English, Accounting Economics, Sociology) Department

Science & Humanities department has started its journey since 1999 with the inception of MIST. From the very beginning, this department has always been playing a vital role in laying the foundation of science

and humanities for the potential engineers. Drawing upon the most recent thinking in the creative world each subject considers theoretical exposure, examines existing realities, includes essential elements, and offers a concise but indispensable portion of knowledge to prepare the students for the future world. There are modern and well equipped Physics and Chemistry laboratories to impart practical knowledge to the engineering students. Besides Undergraduate programs, Post-Graduate Programmes (MPhil & PhD) are on in the department of Mathematics, Physics and Chemistry. Numbers of research works are in progress under these departments. Humanities Department is a multi-disciplinary department (comprising English, Economics, Sociology and Accounting divisions) aims at developing such capacity in the students which would help them to adapt themselves in this predominantly advanced world. A Material Research laboratory for Physics department is in progress funded by The World Academy of Sciences (TWAS), Italy for



Nanotechnology applications. A set of highly qualified Faculties is committed in these departments for imparting quality education to the future Engineers, among them 10 faculties are PhD qualified in their respective fields. Thus Science and Humanities department is playing its due role in producing competent Engineers, Architects and Planners who in practical life prove themselves successful and famous.



FACULTY MEMBERS

A group of qualified faculties drawn from military as well as from civil society including international arena are relentlessly engaged in imparting knowledge to the students. In addition, teachers from reputed universities take classes on particular subjects / courses. Guest speakers / teachers from various organisations / institutions / universities are also invited to participate in teaching programmes, lectures, seminars etc. At present, the state of Instructors / teachers of MIST are as follows:

Appt	Armed Forces	MIST Civil Faculties			From Other Universities	Total
		Permanent	Contract	Adjunct		
Professor	17(2*)	05*	06*	-	30*	58
Associate Professor	29(1*)	-	01	-	03*	33
Assistant Professor	39(22*)	03	08(3*)	-	14 (8*)	64
Lecturer	27	04	09	51	08	99
Total	112	12	24	51	55	254

Grand Total = 254 * Number of PhDs-81

DEPARTMENT WISE STUDENT CAPACITY

There are two units: Unit A (Engineering Programme) and Unit B (Architecture) in MIST admission test. The departments are shown in the following table:

Serial	Unit	Department	Seats
1	A	Civil Engineering (CE)	50
2		Computer Science and Engineering (CSE)	60
3		Electrical, Electronic and Communication Engineering (EECE)	60
4		Mechanical Engineering (ME)	55
5		Aeronautical Engineering (AE)	50
6		Naval Architecture and Marine Engineering (NAME)	40
7		Biomedical Engineering (BME)	40
8		Nuclear Science and Engineering (NSE)	40
9		Environmental, Water Resources and Coastal Engineering (EWCE)	55
10		Petroleum and Mining Engineering (PME)	25
11		Industrial and Production Engineering (IPE)	50
12	B	Architecture (ARCH)	25

Total number of seats is not fixed. Total no of seats is approximately 550 (May vary slightly). Each year a considerable number of military officers are selected by service headquarters to undergo engineering courses in MIST. MIST also maintains quota for children of military personnel (40%), children of freedom fighters (2%), tribal citizen (1%) and foreign students (3%). Rest of vacancy is filled up by civil students.



NUMBERS AND DURATION OF TERMS

There are two regular terms each of 22 weeks duration in an academic year for all engineering programmes. Classes of each academic year normally start in the 1st weeks of February. The academic activities are conducted as per academic calendar approved by Academic Council of MIST before commencement of the programs.

Ser	Events	Duration (Weeks)
1.	Classes	07
2.	Mid Term Break	01
3.	Classes	07
4.	Preparatory Leave Before Term Final Examination	02
5.	Term Final Examination	03
6.	Term End Break	02
Total:		22

ENGINEERING GRADUATES FROM MIST

A total of 2635 students have earned their BSc graduation in various engineering disciplines of MIST.

Dept	2003 & 2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
CE	33 & 19	15	28	38	45	39	21	61	55	39	58	49	65	50	615
CSE	-	49	41	33	35	32	38	41	55	59	65	47	66	56	617
EECE	-	-	-	35	43	38	33	46	56	63	62	61	60	63	560
ME	-	-	-	35	26	38	35	45	43	67	68	55	59	57	528
AE	-	-	-	-	-	-	-	-	-	56	66	56	57	54	289
NAME	-	-	-	-	-	-	-	-	-	-	-	-	-	26	26
Total	52	64	69	141	149	147	127	193	209	284	319	268	307	306	*2635

❖ The figure will be 2880 including MBA graduates.



ACADEMIC CALENDAR OF MIST -2017
(ACADEMIC SESSION 2016/17 BEGINS ON 29 JAN 2017)

Dt	Wks	Events & Activities	Rmks
<i>(Term I – 29 Jan to 01 Jul)</i>			
15 Jan – 21 Jan		1. Short Course on Mobile Apps Dev – CSE Dept (15 Jan – 09 Feb) 2. Short Course on VLSI Cadence Software – EECE Dept (16-26 Jan)	
22 Jan – 28 Jan		1. Launching Ceremony of Aca Session 2016/2017 25 Jan 2. Short Course on Bridge Design – CE Dept (23-26) Jan	
29 Jan – 04 Feb	Wk 1	1. Seminar/Wksp – EWCE Dept (30 Jan to 01 Feb) 2. Short Course on Microsoft Project – CE Dept	T-1 CI Begins-29 Jan
05 Feb – 11 Feb	Wk 2	1. Seminar – IPE Dept 2. Inter Dept Cultural Cmpt (05-08) Feb 3. Nobin Boron – 09 Feb	
12 Feb – 18 Feb	Wk 3	1. Comdt Parade – 12 Feb 2. Referred Exam – (12-16) Feb 3. Seminar on Network Security – CSE Dept (14 Feb) 4. Training Visit – BME Dept (15 Feb) 5. Athletic Cmpt 6. Architecture Wk – Arch Dept (15-16) Feb	
19 Feb – 25 Feb	Wk 4	1. IPFT-18 Feb 2. Shaheed Day and Intl Mother Language Day – 21 Feb 3. International Conf on ICEMEAS-2017 –ME Dept (22-23) Feb 4. Inter Dept Cricket Cmpt	
26 Feb – 04 Mar	Wk 5	1. 15 th Graduation Ceremony – 01 Mar 2. Robolution – 2017 EECE Dept (04 Mar)	
05 Mar – 11 Mar	Wk 6	1. Comdt Parade – 05 Mar	
12 Mar – 18 Mar	Wk 7	1. Birthday of Father of the Nation – 17 Mar 2. IPFT – 18 Mar	1 st Half CI Ends – 16 March
19 Mar – 25 Mar	Wk 8	1. 2 nd International Conf on Water Security – CE Dept (23 Mar)	Mid Term Break (19-26) Mar
26 Mar – 01 Apr	Wk 9	1. Indep and Ntl Day – 26 Mar	2nd Half CI Begins – 27 Mar
02 Apr – 08 Apr	Wk 10	1. Comdt Parade – 02 Apr 2. IPFT – 08 Apr	
09 Apr – 15 Apr	Wk 11	1. Bangla Nobobarsha & Pitha Utshab – 14 Apr	
16 Apr – 22 Apr	Wk 12	1. Raising Day of MIST – 19 Apr	
23 Apr – 29 Apr	Wk 13	1. *Shob-E-Meraj – 25 April	
30 Apr – 06 May	Wk 14	1. May Day – 01 May 2. IPFT – 06 May	
07 May –13 May	Wk 15	1. Comdt Parade – 07 May 2. Buddha Purnima – 10 May 3. *Shob-e-Borat – 12 May	T-1 CI Ends- 11 May
14 May –20 May	Wk 16		PL
21 May –27 May	Wk 17		PL
28 May – 03 Jun	Wk 18		Exam Week-1
04 Jun – 10 Jun	Wk 19		Exam Week-2
11 Jun – 17 Jun	Wk 20		Exam Week-3
18 Jun – 24 Jun	Wk 21	1. *Shob-e-Quadar – 23 Jun 2. Jumatul Bida – 23 Jun	Term End Break
25 Jun – 01 Jul	Wk 22	*Eid-Ul-Fitr – 26 Jun	
02 Jul – 08 Jul	Wk 1	1. Inter Dept Debate Cmpt	Term-II CI Begins – 02 Jul
09 Jul – 15 Jul	Wk 2	1. Comdt Parade – 09 Jul 2. Factory Visit – IPE Dept (11 Jul) 3. IPFT – 15 Jul 4. Short Course on Cyber Security – CSE Dept 5. Short Course on Electrical Service Design – EECE Dept (09- 27	

15th Graduation ceremony-2017



16 Jul – 22 Jul	Wk 3	1. Seminar – BME Dept (19 Jul) 2. Football Cmpt 3. Prog Contest – CSE Dept	
23 Jul – 29 Jul	Wk 4	1. Seminar & Workshop – IPE Dept 2. Seminar – NAME Dept (23-27) Jul	
30 Jul – 05 Aug	Wk 5	1. IPFT – 05 Aug	
06 Aug – 12 Aug	Wk 6	1. Comdt Parade – 06 Aug	
13 Aug – 19 Aug	Wk 7	1. Janmashtami – 14 Aug 2. Ntl Mourning day – 15 Aug	
20 Aug – 26 Aug	Wk 8	1. IPFT – 26 Aug	
27 Aug – 02 Sep	Wk 9	*Eid-Ul-Azha – 02 Sep	Mid Term Break Start 30 Aug
03 Sep – 09 Sep	Wk 10		Mid Term Break Ends 09 Sep
10 Sep – 16 Sep	Wk 11		2nd Half CI Begins – 10 Sep
17 Sep – 23 Sep	Wk 12	1. IPFT – 16 Sep 2. Comdt Parade – 17 Sep	
24 Sep – 30 Sep	Wk 13	Durga Puja – 30 Sep	
01 Oct – 07 Oct	Wk 14	1. Ashura – 01 Oct*	
08 Oct – 14 Oct	Wk 15	1. Comdt Parade – 08 Oct	
15 Oct – 21 Oct	Wk 16		T-2 CI Ends – 16 Oct PL Starts 17 Oct
22 Oct – 28 Oct	Wk 17		
29 Oct – 04 Nov	Wk 18	1. 4 th Intl Conf iCEEICT-2017 at JU jointly	PL Ends 30 Oct Exam Week-1 Starts 31 Oct
05 Nov – 11 Nov	Wk 19		Exam Week-2
12 Nov – 18 Nov	Wk 20		Exam Week-3 Exam Ends – 20 Nov
19 Nov – 25 Nov	Wk 21		Term End Break 21- 25 Nov
26 Nov – 02 Dec	04 Wks	1. Eid-E-Miladun-Nabi – 01 Dec 2. Victory Day – 16 Dec 3. Christmas Day – 25 Dec 4. Thesis/ Proj wk of Lvl-4 of all Depts – 04 wks 5. Svy Prac of Lvl-1 of CE, CEWCE & Arch Dept – 04 wks 6. Industrial Trg of Lvl-3 of all Depts – 04 wks 7. Short Course (MAXSURF & AUTOCAD) – NAME Dept (03 – 21 Dec) 8. Short Course on Microcontroller & Robotics – EECE Dept (14 Dec – 21 Jan 2018)	

*Subj to the sighting of moon

Note:

1. Workshop on ABET Accreditation 02 Jan 2017.
2. Workshop on Advance Bridge Design – CE Dept 09 Jan 2017.
3. 15th Graduation Ceremony-2017-01 Mar 2017.
4. Term-1 Final Exam of all levels of all engg prog starts on 28 May 2017.
5. Term-2 Final Exam of all levels of all engg prog starts on 31 Oct 2017.
6. Level-4 students will complete everything regarding thesis (incl def) from 26 Nov to 23 Dec 2017.
7. Industrial Trg for Level-3 students will be conducted from 26 Nov to 23 Dec 2017.
8. Svy Prac of Level-1 students of CE, EWCE & Arch Dept will be conducted from 26 Nov to 23 Dec 2017.
9. Ref exams for the session 2016/17 will be conducted on on 2nd wk of Feb 2018.
10. Academic session 2017/18 is scheduled to be started from 28 Jan 2018.
11. Dinner Ni and Guest Ni will be intimated separately.
12. Cultural Prog org by the students in each term will be intimated separately.
13. Any other holidays as and when declared by the govt will be intimated accordingly.
14. Any other changes may be incorporated due to the changes in the academic activities.
15. All dept will conduct at least one out door visit in each term.

15th Graduation ceremony-2017



RECOGNITION OF PERFORMANCE

Osmany Memorial Gold Medal

Awarded to the best student amongst all the MIST Medal Winners. He is the all-round best student of MIST.

MIST Medal

Awarded to the students of level-4 of each dept at the end of all programmes and the first position holder in each department earning a minimum CGPA of 3.80 out of 4.00.

Commandant's List

- All students earning CGPA > 3.8 at the end of each academic level for level 1, 2 and 3
- All graduating students earning CGPA ≥ 3.8 considering results of entire programme (level 1 to 4)

Dean's List

- All students earning $3.7 \leq \text{CGPA} < 3.8$ at the end of each academic level for level 1, 2 and 3
- All graduating students earning $3.7 \leq \text{CGPA} < 3.8$ considering results of entire programme (level 1 to 4).

Scholarships and Stipends

- MIST Scholarship
- MIST Stipends
- Osmany Memorial Trust Scholarship
- Chief of Army Staff Stipend
- Chief of Naval Staff Stipend
- Chief of Air Staff Stipend

Research Prizes

- MIST Project Medal
- MIST Research Medal - Student
- MIST Research Medal - Faculty

ACADEMIC HONOURS OF 2016

Dept	Osmany Memorial Gold Medal	MIST Medal	Commandant's List	Dean's List
CE Dept	-	1	2	1
CSE Dept	-	1	4	9
EECE Dept	-	2	6	15
ME Dept	-	-	-	3
AE Dept	1	1	3	4
NAME Dept	-	-	-	2
Total:	1	5	15	35



LABORATORY FACILITIES

CE Department

- Transportation Engineering Laboratory
- Geotechnical Engineering Laboratory
- Concrete Laboratory
- Solid Mechanics Laboratory
- Survey and Mapping Laboratory
- Drawing Laboratory

CSE Department

- Artificial Intelligence and VLSI Laboratory
- Network Laboratory
- Micro Processor & Micro Controller Laboratory
- Digital Electronics Laboratory
- Software Engineering Laboratory
- Multimedia Design & Graphics Laboratory
- Image Processing Laboratory
- Interfacing Laboratory
- Postgraduate Research Laboratory

EECE Department

- Electrical Circuit Laboratory
- Electrical Circuit Simulation Laboratory
- Computer Programming Laboratory
- Electrical Machine Laboratory
- Power System Laboratory
- Electronics & Digital Electronics Laboratory
- Electronics Circuit Simulation Laboratory
- Power Electronics Laboratory
- Instrumentation & Measurement Laboratory
- Communication Laboratory
- Digital Signal Processing Laboratory
- Microprocessor and interfacing Laboratory
- Control System Laboratory
- Switch Gear & Protection Laboratory
- VLSI Laboratory
- Digital Communication Laboratory
- Power System Protection Laboratory
- Microwave Engineering Laboratory
- Numerical Methods Laboratory
- High Voltage Engineering Laboratory

ME Department

- Measurement & Quality Control Laboratory
- Thermodynamics Laboratory
- Refrigeration & Air Conditioning Laboratory

- Heat Transfer Laboratory
- Energy Laboratory
- Machine Tools Laboratory
- Material Production Process Laboratory
- Drawing Shop (CAD Lab)
- Heat Engine Laboratory
- Applied Mechanics Laboratory
- Fluid Mechanics Laboratory
- Applied Thermodynamics Lab

AE Department

- Applied Aerodynamics Laboratory
- Jet Propulsion Laboratory
- Radar Engineering Laboratory
- Avionics and Ground Electronics Laboratory
- Aero-structure Laboratory

NAME Department

- Ship Design Laboratory
- Marine Machinery Laboratory
- Computer Aided Ship Design Laboratory
- Heat Engine Laboratory
- Ship Structure & Fabrication Laboratory
- Instrumentation Laboratory
- Refrigeration & Air Conditioning Laboratory
- Fluid Mechanics Laboratory
- Applied Mechanics Laboratory

NSE Department

- Modeling and Simulation Lab
- Health/Nuclear Physics Lab
- Radiation/Medical Physics Lab
- Radiochemical Lab

Arch Department

- Design Studios
- Computer Lab

EWCE Department

- Environmental Engineering Laboratory
- Water Resource Engineering Laboratory

Science (Mathematics, Physics, Chemistry) & Humanities (English, Accounting Economics, Sociology)

- Chemistry Laboratory
- Physics Laboratory



FACILITIES AND SERVICES

Modernized Class Rooms. MIST has adequate number of air-conditioned classrooms with multimedia facilities.

Accommodation. MIST, in principle is a residential institute. The residential hall with all modern facilities is named 'Osmany Hall' can accommodate 558 students (male 260 and female 298). Each room has internet facilities. Students are provided with well-furnished accommodation.

Library. MIST has a well-arranged library enriched with about 52,000 books and a good number of periodicals, journals and magazines from home and abroad. It also subscribes a number of Bengali and English newspapers, periodicals and e-journals. Library has cyber cafe with Wi-Fi facilities. In addition to that each department has its own library enriched with adequate text and reference books.

Medical Support. MIST Medical Centre has residential physician, medical staffs and equipment. MIST Medical Centre provides required medicine and other necessary support as prescribed by the Medical Officer. Civil students are sent to Kurmitola General Hospital for better treatment.

Transport. MIST provides bus services for the students. The buses move in four routes: MIST to Shahbag, MIST to Abdullahpur, MIST to Azimpur and MIST to Dhaka Cantonment (Jahangir Gate). A student is charged with 1500 BDT per year as transport charge.

MIST IT Centre. IT Centre provides internet browsing facilities to students and faculties.

Cafeteria. Cafeteria provides meal with different types of cuisine within reasonable price.

Fitness Centre. Fitness Centre provides ample opportunity for the students to keep their body and mind fit.

Sports and Recreation. MIST has got adequate facilities for both indoor and outdoor games including table tennis, badminton, football, and cricket. Students can also enjoy a wide variety of athletic pursuits. Besides, picnics and cultural competition, celebration of national days are also arranged regularly in befitting manner.

MIST Debate Society. MIST Debate Society (MISTDS) arranges debate competition on regular basis.

MIST Career Club. MIST career club was established in June 2016. Each year it organizes career festival in collaboration with different institutions and organizations. In this year MIST Career Fest-2016 was held on 13th August 2016 with the assistance of BD jobs.com.

MIST Photographic Society. MIST photographic society "FOCUS" started its journey in April 2015. It organizes workshop, seminar, exhibition and short course on photography etc. periodically.

MIST Drama Club. To promote the art and culture of Bengali heritage, MIST Drama Club was initiated in 2015. It organizes different types of Drama on various occasions.

MIST Literature & Cultural Club. MIST Literature and Cultural Club was formed in 2014 to create opportunities to practice art and our culture via organizing various workshops, events etc. MIST Literature and Cultural Club believes technology and creativity do not contradict each other, rather both of them contribute to proper manifestation of a student. To uphold this belief, MIST Literature and Cultural Club is gloriously advancing on its way far by inspiring and involving the students.



MIST Robotics Club. MIST Robotics club was established in the year 2015 under the guidance of EECE dept. To cope with the technological advancement MIST Robotics Club provides opportunity to the students to explore their innovative ideas on activities. It organizes Robotics workshop and competition every year.

Hydraulic Pump Testing Bench. The "Hydraulic Pump Testing Bench" was inaugurated on 24 May 2016. This Testing Bench is one of the landmark establishments of MIST in the path of research and project work. By using updated and advanced technology, this unit will surely serve to make the institution a "Centre of Excellence".

Automobile Testing and Repair Centre. The "Automobile Testing and Repair Centre" was inaugurated on 01 December 2013. It is now providing the technological support in the field of research and project work. It also provides students with ample opportunity to utilize their knowledge into practice by solving real-world problem.

Computer Repair and Maintenance Centre. The "Computer Repair and Maintenance Centre" was inaugurated on 01 December 2013. MIST has well enriched "Computer Repair and Maintenance Centre" for repairing the defective computer and accessories.

Centre for Advisory and Testing Services (CATS). The research, consultancy and testing services, required by the industries and the Government agencies is processed, regulated, managed and over-viewed by a body of MIST called "Centre for Advisory and Testing Services of MIST"; in short CATS-MIST. CATS also provides the teachers and staff of MIST with the opportunity to be involved in research and in-depth studies and thus enriches them with the practical knowledge.

Centre for Energy, Environment Studies and Research (CEESR). The "Centre for Energy and Environmental Studies" of MIST is under the auspices of the department of EECE which is engaged in education, research, and professional training in the fields of energy and environmental analysis. The perspective of the centre is multi-disciplinary and problem-oriented.

Captaincy. To promote leadership qualities among the students MIST Captains on various categories are elected from the students, namely MIST Captain, MIST Cultural Captain, MIST Debate Captain and MIST Sports Captain. Besides these, department captains of same categories and class captains are also elected for smooth functioning of students' activities.

Environment and Climate Change Studies Centre. Climate change has become a burning issue for sustainable development. To contribute in capacity building and develop an appropriate technology, CE Department has incorporated environmental engineering in her post graduate programme. A Research Centre named "Environment and Climate Change Studies Centre" is facilitating research work on this issue.

Centre for Disaster Management Studies. Bangladesh is a disaster prone country. To provide quality human resources and facilitate disaster related research work for Disaster Management in Bangladesh a research centre named "Centre for Disaster Management Studies" under CE Department is functioning.

Inauguration Ceremony. Each year launching ceremony of academic session is arranged for apprising new students regarding the salient aspects of MIST activities. MIST welcome all the young engineering students including their guardians in this ceremony. There are interactive session of the guardians with MIST authority and orientation with MIST campus. All the students of level-1 in different disciplines (both military and civil) join the ceremony.

15th Graduation ceremony-2017



Graduation Dinner. MIST organizes graduation dinner in honour of the outgoing students. Newly graduates from MIST attend this programme after successful completion of their graduation from MIST. Students of level-4, all faculties and staff officers also join the dinner.

Collaboration with Other Universities. For expanding research capability including undertaking of faculty-students exchange programme, MIST has signed Memorandum of Understanding (MoU) with numbers of organizations and universities both in home and abroad. Few notables are:

- Mershon Center for International Security Studies and The School of Earth Sciences.
- The Ohio State University (OSU), Columbus, Ohio, United States.
- The Institute of Water Modelling (IWM) Bangladesh.
- University of Malaya (UM).
- International Islamic University Malaysia (IIUM).
- Universiti Kebangsaan Malaysia (UKM).
- Universiti Tenaga Nasional (UNITEN).
- Kotelawala Defence University (KDU) Srilanka.
- United States Naval Academy (USNA) etc.



INSTITUTIONAL HIGHLIGHTS





JANUARY- 2016

14th GRADUATION CEREMONY



The 14th Graduation Ceremony of MIST was held on 31 January 2016 at MPH of General Mustafiz Tower, MIST. Honorable Minister, Ministry of education, Mr. Nurul Islam Nahid, MP graced the occasion as the Chief Guest and handed over B.Sc. Engineering certificates to the new graduates. Commandant MIST presided over the ceremony. Chiefs of three Services, Members of Parliament, High Commissioners, Ambassadors, Secretaries of different Ministries, Vice Chancellors of different universities, civil and military high officials, academicians and guardians of the Graduating students were present in the ceremony.

The Minister extended his heartfelt congratulations to all graduates and praised MIST authority for maintaining the good standard of education. A total of 276 students (civil-227 and military-49) were conferred degrees at the ceremony.

MIST PROJECT FAIR-2016

Research and Development (R&D) wing of MIST organized "MIST Project Fair -2016" on 07 January 2016. Commandant MIST graced the occasion as Chief Guest. A team of external members from BUET and four internal members of MIST worked in the project evaluation committee. 12 teams of different departments with their innovative research work participated in this fair. "Design of high efficient, low cost gas burner for mass cooking in developing countries like Bangladesh" of Major Sheak Rahmat Elahi and Major Mirza Md Lutful Habib (CE department) was awarded as the best project.





FEBRUARY- 2016

LAUNCHING CEREMONY OF ACADEMIC SESSION 2015-16



Launching of Academic Session 2015-2016 was held on 03 February 2016. MIST welcomed all the young engineering students including their guardians in this ceremony. There were interactive session of the guardians with MIST authority and orientation with MIST campus.

Academic Session 2015-16 was started from 07 February 2016. More than 600 students (both military and civil) joined MIST in level-1 in different disciplines. The disciplines are CE-18, CSE-16, EECE-14, ME-14, AE-8, NAME-4, BME-2, Arch-2, NSE-2, EWCE-2, IPE-1 and PME-1.

ARCHITECTURE WEEK-2016

The Department of Architecture organized an "Architecture Week" from 16 to 18 February 2016 at MIST. Commandant MIST graced the event as the Chief Guest and the Chief Architect, Ministry of Housing and Public Works Department was present as the special guest. The programme began with the welcome speech of Brigadier General K M Salzar Hossain, ndc, psc, Head of the Department of Architecture and Dean, Faculty of CE. More than 60 participants from different Universities, a good number of scholars, professionals, advisors and researchers across the country attended the three days long program. A Project Exhibition of Students of Architecture Department was also organized.





MARCH- 2016

INTER-DEPT ATHLETICS COMPETITION-2016



Inter-Department Athletics Competition took place on 13-20 March 2016 organized by EECE Department. Participants from all Departments put up their best to win with enthusiasm. There were 100 M Sprint, 200 M Race, 400 M Race, 4 x 100 M Relay Race, 4 x 200 M Relay Race, Discuss Throw, Short-Put, Long Jump and High Jump for male and female athletes. AE Department became the champion and CE Department became runner-up.

MOU SIGNING CEREMONY BETWEEN MIST & GONO BISHWABIDYALAY

An MoU was signed between MIST and Gono Bishwabidyalay on 30th March 2016 for pursuing the academic excellence being in cooperation whenever necessary. This precious event was organized by Biomedical Engineering (BME) Department of MIST. Major General Abdul Quadir, Commandant, MIST and Prof. Mesbahuddin Ahmed, VC Gono Bishwabidyalay signed MoU in this occasion. High officials from both the Institutions were also present. All participants strongly believe this cooperation will benefit both the Institutions to a great extent.





APRIL- 2016

18th RAISING DAY OF MIST



18th Raising Day of MIST was observed on 19 April 2016. The day started with special prayer after Fazar. Commandant MIST hoisted MIST flag at the linked bridge between Tower-1 & Tower-2. A special Darbar was also arranged on the day. Ex-Commandants of MIST were invited on this occasion, participated in a cake cutting ceremony followed by an interactive session with the faculty members. Starting the academic activities with a maiden batch of Civil Engineering in 1999, MIST now stands with 12 Departments under 4 Faculties.

SEMINAR ON "PROSPECT OF SHIP BUILDING INDUSTRIES & OPPORTUNITIES OF NAVAL ARCHITECTS IN BANGLADESH"

The Department of "Naval Architecture and Marine Engineering" (NAME) of MIST organized a seminar titled "Prospect of Ship Building Industries & Opportunities of Naval Architects in Bangladesh" on 21 April 2016. Honorable Minister, Ministry of Shipping Mr. Shajahan Khan, MP, Bangladesh Govt graced the seminar as the chief guest. Vice Chancellor of BSMRMU Rear Admiral A S M Abdul Baten, (E), BSP, ndc, psc was present in the seminar as special guest. Major general Md Abdul Quadir, Commandant MIST chaired the session. Capt. M Muzibur Rahman, (E), psc, BN and Dr. Mir Tareque Ali, Professor, BUET were the keynote speakers of the seminar.





MAY-2016

27th MEETING OF GOVERNING BODY



The 27th meeting of the Governing Body of MIST was held on 24 May 2016 at Central Conference Room of General Mustafiz Tower, MIST. Commandant MIST presided over the meeting. High civil and military officials and representatives from DU, BUET and BUP were present in the meeting. Important decisions were taken in the meeting in respect of research and arrangement of seminar/ conference / exhibition / competition & workshop etc.

INUGURATION OF HYDRAULIC PUMP TESTING BENCH

The inuguration program of "Hydraulic Pump Testing Bench" was arranged by Department of ME on 24 May 2016. Commandant, MIST was the chief guest of the programme. Deans, Wing Heads, Department Heads, Faculties of ME Department were also present in the occasion. This Testing Bench is one of the landmark establishments of MIST in the path of research and project work. By using updated and advanced technology, this unit will surely serve to make the institution a "Centre of Excellence". It will certainly enhance the image of MIST and serve the nation.





JULY- 2016

AUGUST-2016

ORIENTATION TRAINING VISIT OF BCS & BJS-68



A 70 member team of 68th batch of BCS & BJS officers visited MIST on 20 July 2016. The team was briefed on different activities and facilities of MIST. After the briefing, they visited CATS-MIST, Faculty of CE, Faculty of ME & Faculty of ECE.

SEMINAR ON "MACHINE BRAIN INTERFACE"

IEEE MIST Student Branch with the help and guidance of Department of EECE regularly organizes seminars, industrial tours, job festivals, website design contest, etc. To continue this tradition, IEEE MIST Student Branch organized a seminar on "**Machine Brain Interface**" in the month of July 2016. Keynote speaker was Dr. Knondoker Al Mamum, Associate Professor Department of CSE United International University (UIU).





AUGUST- 2016

INTER- DEPARTMENT DEBATE COMPETITION-2016



Inter-Department Debate Competition - 2016 was organized by Sc & Hum Department at MIST from 21-29 August 2016. The final day topic was "**Discipline, not freedom, is the key to successful engineering study.**" Eight teams participated in this competition. EECE Department became Champion and NAME Department became Runner-up respectively. SM Monzur Abid (NAME-3) was adjudged as the best speaker. Acting Commandant of MIST Brigadier General K M Salzer Hossain, ndc, psc graced the occasion as the Chief Guest and awarded the winners.

INAUGURATION OF "POST GRADUATE RESEARCH LAB AND CERTIFICATE AWARDING CEREMONY OF MOBILE APPS DEVELOPMENT SHORT COURSE"



Inauguration of newly established "**Postgraduate Research Lab**" at CSE Department of MIST followed by a "**Certificate Awarding Ceremony**" of Mobile Application Development Short Course-2016 was held on 31 August 2016. Honorable State Minister Zunaid Ahmed Palak, MP, Ministry of Post, Telecommunications and Information Technology, Government of the People's Republic of Bangladesh was present in the ceremony as Chief Guest.



SEPTEMBER- 2016

AERO DAY- 2016



Realizing the necessity and future flourishing, Aeronautical Engineering Department of Military Institute of Science and Technology (MIST) started its journey from January 2009. Aero day, founding anniversary of the department of the Aeronautical science at MIST was observed on 01 September 2016. The day was celebrated with different contests and Olympiad where around 100 students took part. Acting commandant of MIST Brigadier General K M Salzar Hossain, ndc, psc was the Chief Guest at the prize giving ceremony.

3rd INTERNATIONAL CONFERENCE ON "ELECTRICAL ENGINEERING AND INFORMATION & COMMUNICATION TECHNOLOGY (iCEEiCT 2016)"

The 3rd International Conference on "Electrical Engineering and Information Technology (iCEEiCT 2016)" aims to bring together leading academic scientists, researchers, scholars to exchange and share their experiences, research results about all aspects of Electrical Engineering, ICT and discuss the practical challenges encountered and the solutions adopted. It was held in 22-24 September 2016 at MIST. The conference was jointly organized by the EECE department of MIST and Institute of Information Technology (IIT) of Jahangirnagar University, Savar, Dhaka. About 600 papers were submitted and 200 papers were presented in oral session and poster session.





OCTOBER- 2016

SEPTEMBER- 2016

CHANGE OF COMMAND



Major General Md Abul Khair, ndc, PEng took over as Commandant MIST on 10 October 2016. He has taken over the Command from Brigadier General K M Salzar Hosain, ndc, psc. Before joining MIST as Commandant he was the Surveyor General of Bangladesh.

CIVIL ENGINEERING FEST-2016

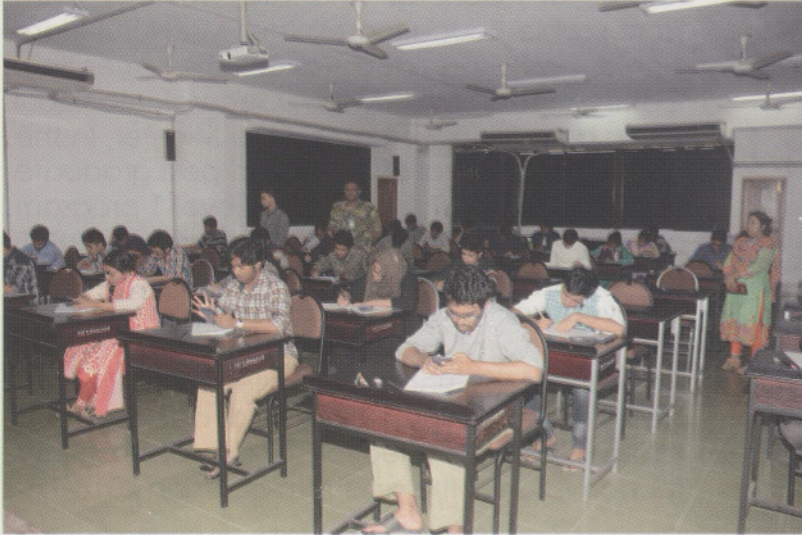
Civil Engineering department of MIST celebrated a day long festival for the 1st time on 20 October 2016. The Festival started with a colorful rally in the morning around the MIST premises. A seminar was organized at multipurpose hall of MIST. Honorable Mayor Anisul Haque graced the seminar as the chief guest. Major General Abu Sayeed Md Masud and Prof Mehedi Ahmed Ansari were present as keynote speakers. Head of CE Department, Col Shah Md Muniruzzaman presented a paper at the seminar. The seminar ended with cake cutting by the guests, Commandant MIST Major General Md Abul Khair, ndc, PEng, faculty members and students. Different competitions like Mechanics Olympiad, Truss Challenge, poster presentation and project showcase were arranged with the participation of students from different universities. Prizes were given to the winners of these competitions in the closing ceremony arranged in the evening. The fest finally ended with a colorful cultural programme in the evening.





NOVEMBER- 2016

ADMISSION TEST-2016



MIST conducted undergraduate Admission Test on 12 November 2016 for Civil Engineering (CE), Computer Science and Engineering (CSE), Electrical, Electronic and Communication Engineering (EECE), Mechanical Engineering (ME), Aeronautical Engineering (AE), Naval Architecture and Marine Engineering (NAME), Bachelor of Architecture (B. Arch), Biomedical Engineering (BME), Nuclear Science and Engineering (NSE), Environmental, Water Resources and Coastal Engineering (EWCE), Petroleum and Mining Engineering (PME), Industrial and Production Engineering (IPE) programmes. Against 570 vacancies a total of 9973 short-listed candidates appeared at the admission test.

STUDENTS TRAINING VISIT (IPE DEPARTMENT)-NANNU SPINNING MILLS LTD

Faculty members and students of Industrial and Production Engineering (IPE) Department visited Nannu Spinning Mills Ltd at Narsingdi on 06 November 2016. It helped the students to acquire practical knowledge on the functioning and production system of an industry.





DECEMBER- 2016

18th MEETING- COUNCIL OF MIST



The 18th council meeting of MIST was held on 18 December 2016 at the Central Conference Room of General Mustafiz Tower, MIST. Honourable Education Minister Mr. Nurul Islam Nahid, MP presided over the meeting. Commandant MIST Major General Md Abul Khair, ndc, PEng welcomed the Minister. In the meeting, approval of corrected post graduate ordinance of MIST, conduct of level-1 program of MIST from 2016-17 at BNA, arrival of BAF cadets at the 3rd year of training and studying 2nd year of engineering program at MIST, information of corrected curriculum-2016 regarding MIST undergraduate admission test and important discussion and decision was taken regarding selection of number of seats for admission in the academic session 2016-17.

Chief of Army Staff, Chief of Naval Staff, Chief of Air Staff, Principal Staff Officer Armed Forces Division, VC BUP, Engineer-in-Chief, high ranking representatives of Dhaka University, BUET, Ministry of Defence, Ministry of Education, Ministry of Information and Communication Technology were present.

“BANGLADESH INTERNATIONAL CONFERENCE FOR BIOMEDICAL STUDENTS & YOUNG DOCTORS (BICOBS) 2016”

“Bangladesh International Conference for Biomedical Students & Young Doctors (BICoBS), 2016” was jointly organized at MIST on 23-24 December 2016 by Biomedical Engineering Department of MIST and Asian Medical Students Association (AMSA). Dr. Mashiur Rahman, Adviser, Economic Affairs to the Honorable Prime Minister, the People's Republic of Bangladesh was the Chief Guest at this conference. Commandant MIST Major General Md. Abul Khair, ndc and other high officials of Bangladesh Army, renowned scientists, senior physicians, young doctors and students of Biomedical Engineering attended this conference.





FACULTIES AND STAFF OFFICERS





HQ MIST



Maj Gen Md Abul Khair, ndc, PEng
Commandant



Col Md Hasan-Uz-Zaman, afwc, psc
Colonel Staff



Maj Md Rezaul Karim, psc, Engrs
GSO -2 (Coord)



Maj Jenifa Yeasmin, Engrs
GSO-2 (HQ)



Capt Muntahith Mehadil Orvin, Engrs
GSO-3 (HQ)

DIRECTORATE OF STUDENTS WELFARE



Brig Gen Md. Zakir Hossain, ndc, psc, te
Director

DIRECTORATE OF ICT



Col Abu Zafor Mohammad Salahuddin
Director



Lt Col Mohammed Ali, psc, Sigs
GSO-1



Md Azmal Hossain
Maintenance Engineer



Humayun Kabir Pavel
Senior Software Engineer



Mazharul Haque
Software Engineer



ACADEMIC WING



Cdr M Shafiqul Islam Mondle, BN
GSO-1 (Academic)

CONTROLLER OF EXAM SECTION



Capt Anwarul Haque
Chowdhury, (E), psc, BN (Retd)
Exam Controller



Brig Gen Md Abdul Bari, ndc, psc
Incoming Exam Controller



Wg Cdr Ataharul Kabir, BAF
GSO-1 (Exam)



Capt Md. Mahbubur Rahman, EME
GSO-2 (Exam)



Mir Ashraf Uddin
IT Officer



R&D WING



Brig Gen Md Abdul Wohab, ndc, PEng
Director Research & Development



Lt Col Muhammad Sanullah, psc, Engrs
GSO-1 (Research)



Maj M M Iqbal Hossain, Sigs
GSO-2(Research)



Md Moslem Uddin
Librarian



Mst Nusrat Sultana
Asst Librarian



Maisha Fariha
IT Officer

ADMIN WING



Col M Mahmudul Hassan
Director Administration



Maj Mohammad Shah Alam, psc, Arty
GSO-2 (Mess)



Maj Md Raqibul Hasan, Engrs
DAA & QMG



Maj Kazi Maqsudur Rahman, Sigs
Account Officer



Mahbub Alam
Civil Administration Officer



Dr. Mahbuba Binte Mannan
Medical Officer



FACULTY OF CIVIL ENGINEERING

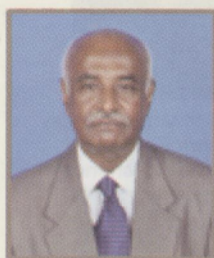


Brig Gen K M Salzar Hossain, ndc, psc
Dean Faculty of CE

CE DEPARTMENT



Col Shah Md Muniruzzaman, psc
Head of the Department



Dr. Alamgir Mujibul Hoque
Senior Professor



Brig Gen Habibur Rahman Kamal, psc (Retd)
Professor



Brig Gen Md Abdul Wohab, ndc
Senior Instr



Dr. G. M. Jahid Hasan
Professor



Dr. Md. Tauhid-Ur-Rahaman
Professor



Dr. Md Zoynul Abedin
Professor



Dr. Sabbir Mostafa Khan
Professor



Lt Col Md Monirul Islam, psc, Engrs
Instr CI-A



Lt Col Md Masudur
Rahman, BSP, SPP, afwc, psc, Engrs
Instr CI-A



Lt. Col Mohammad Nur
Hossain, BSP, psc, Engrs
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Lt Col Romeo
Nowreen Khan, psc, Engrs
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Lt Col G M Faruque, Engrs
Instr CI-A



CE DEPARTMENT



Lt Col Mohammad Ziaul Hoque, psc, Engrs
Instr CI-A



Maj Joarder Md Sarwar Mujib, Engrs
Instr CI-B



Maj Md Moinul Islam, Engrs
Instr CI-B



Maj Md Soebur Rahman, PhD, Engrs
Instr CI-B



Maj Mohammad Rashedul Islam, PhD, Engrs
Instr CI-B



Maj Md. Zahidul Islam, PhD, Engrs
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Dr. Sarah Tahsin Noor
Asst Professor



Kamrul Islam
Asst Professor



Capt Mohammad Abdur
Rahman, Engrs
Instr CI-C



Capt Sampa Akther, Engrs
Instr CI-C



Capt Muntahith Mehedil Orvin, Engrs
Instr CI-C



Capt A T M Masum, Engrs
Instr CI-C
(Programme Co-ordinator)



Capt Md. Kauser Alam Anik, Engrs
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Mumtasirun Nahar
Lecturer



Fatema Tuz Johora
Lecturer



Tamanna Jerin
Lecturer



Tahmida Hossain Shimu
Lecturer



Arefin Haque
Lecturer



Khadiza Binte Jalal
Lecturer



Kh Afia Farzana Haque
Lecturer



Washi Binte Wohab Onnesha
Lecturer



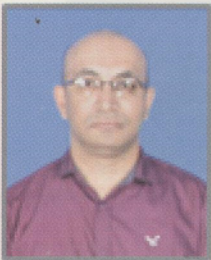
Naveel Isam
Lecturer



ARCH DEPARTMENT



Brig Gen K M Salzar Hossain, ndc, psc
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Dr. Shehzad Zahir
Associate Professor



Sudipti Biswas
Asst Professor



Mustafizur Rahaman
Asst Professor



Capt Md Raisul Mostafa Sojib
Instr CI-C



Capt Md Manzur Morshed Khan
Instr CI-C
(Programme Co-ordinator)



Manifa Rehnuma
Senior Lecturer



Raihan Rafiq Chowdhury
Lecturer



Tazrin Islam
Lecturer



Sadia Sharmin
Lecturer



EWCE DEPARTMENT



Col Md Kabirul Islam
Head of the Department



Dr Afzal Ahmed
Professor



Lt Col Md Habibul Huq, psc, Engrs
Instr CI-A



Maj Kazi Shamima Akter, PhD, Engrs
Instr CI-B



Capt Chowdhury Mohammad Towfiq Amin, Engrs
Instr-C
(Programme Co-ordinator)



Capt Nafiz Ul Ahsan, Engrs
Instr CI- C



Capt Numan-Al-Kibriya, Engrs
Instr CI- C



Afiya Narzis
Lecturer



Khandakar Aurib
Lecturer

PME DEPARTMENT



Col Nasir Uddin Ahmed
Head of the Department



Dr. Badrul Imam
Professor



Dr. Chowdhury Qamruzzaman
Professor



Engr. Abul K.M. Shamsuddin
Professor



Mohammad Amirul Islam
Asst Professor



Capt Farzana Faiza, Engrs
Instr CI- C
(Programme Co-ordinator)



A S Daiyan Ahmed
Lecturer



FACULTY OF ELECTRICAL AND COMPUTER ENGINEERING



Brig Gen Md Shohail Hossain Khan, psc
Dean Faculty of ECE

CSE DEPARTMENT



Col A B M Humayun Kabir, psc, te
Head of the Department



Brig Gen Md. Zakir Hossain, ndc, psc, te
Senior Instr



Gp Capt Md. Afzal Hossain, ndc, psc
Senior Instr



Col Nishith Kumar Datta
Senior Instr
(From Indian Army)



Dr. Md. Mahbubur Rahman
Professor



Lt Col Shihabul Islam, EME
Instr Cl-A



Lt Col Md Mahboob Karim, psc, EME
Instr Cl-A



Lt Col Md Abdur Razzak, psc, Sigs
Instr Cl-A



Lt Col Md. Amir Hossain
Mollah, psc, Sigs
Instr Cl-A



Lt Col Mohammad Masudur Rahman Khan, Sigs
Instr Cl-A

15th Graduation ceremony-2017



Lt Cdr S M Anisur Rahman (H-3), BN
Instr Cl-B



Maj Kaji Atiqul Haque, psc, G, Arty
Instr Cl-B



Maj A K M Sharif Uddin, Sigs
Instr Cl-B
(Programme Co-ordinator)



CSE DEPARTMENT



Maj Muhammad Nazrul Islam, PhD, Sigs
Instr CI- B



Lt Cdr Naresh Singh Chauhan
Instr CI-B
(From Indian Navy)



Capt Rejwana Sultana, Sigs
Instr CI-C



Wali Mohammad Abdullah
Lecturer



Sharifa Rania Mahmud
Lecturer



Chowdhury Nawrin Ferdous
Lecturer



Tasmiah Tamzid Anannya
Lecturer



Sanjida Nasreen Tumpa
Lecturer



Najia Manjur
Lecturer



Nipi Poul
Lecturer



Esrat Farjana Rupu
Lecturer



Anika Binte Islam
Lecturer



Rubayet Islam
Lecturer



Umma Habiba
Lecturer



Najia Hossain
Lecturer



Mowmita Sarker
Lecturer



EECE DEPARTMENT



Gp Capt Mohammed Hossam-E-Haider, PhD, BAF
Head of the Department



Brig Gen Md Shohail Hossain Khan, psc
Senior Instr



Capt M S A A F Shiblee, (L), BN
Senior Instr



Col Md Mollah Zubaer, te
Senior Instr



Lt Col A K M Nazrul Islam, PhD, EME
Instr CI-A



Lt Col Md Rosaidul Mawla, psc, EME
Instr CI-A



Lt Col Md. Jahangir Hossain, te, Sigs
Instr CI-A



Maj Md. Ali Azam Khan, EME
Instr CI-B



Lt Cdr K M Tanveer Anwar, (L) BN
Instr CI-B



Maj Md. Tawfiq Amin, PhD, EME
Instr CI-B



Capt Marzuka Ahmed Jumana, Sigs
Instrs CI- C



Capt Tasmia Hasan Saika, Sigs
Instrs CI- C



Capt Fariha Tabassum, Sigs
Instrs CI- C



Capt Nargis Akhter, Sigs
Instrs CI- C



Capt Mohammad Naim Uddin, Sigs
Instrs CI- C



Capt Shah Mohazzem Hossain, Sigs
Instr CI- C
(Programme Co-ordinator)



Toahera Abdullah
Lecturer



EECE DEPARTMENT



Twisha Tifirsha
Lecturer



Sunjida Sultana
Lecturer



K. M. Niaz Reza
Lecturer



Nasim Ben Zafar
Lecturer



Mubdiul Islam Rizu
Lecturer



Syeda Puspita Mouri
Lecturer



Tanveer Ahmed
Lecturer



FACULTY OF MECHANICAL ENGINEERING



Brig Gen Md Lulfor Rahman
Dean Faculty of ME

ME DEPARTMENT



Brig Gen Md. Habibur Rahman
Head of the Department



Dr Dipak Kanti Das
Professor



Dr. Md. Quamrul Islam
Professor



Dr. Md Alamgir Hossain
Professor



Lt Col Golam Saklayen, EME
Instr CI-A



Lt Col Mohammad Shariful Islam, psc, EME
Instr CI-A



Lt Cdr K M R Sadi, (E), BN
Instr CI-B
(Programme Co-ordinator)



Sqn Ldr Mst Mousumi Rizia, Engg, BAF
Instr CI-B



Shabnam Konica
Asst Professor



A M Ishtiaque Mahub
Asst Professor



Capt Najmus Saquib Sifat, EME
Instr CI-C



Capt H.M. Khairul Enam, EME
Instr CI-C



Zawad Abedin
Lecturer



ME DEPARTMENT



Zaima Salsabil
Lecturer



Tonima Afrose
Lecturer



Anindita Dhar Swarna
Lecturer



Jasmin Ahmed
Lecturer



Sanzida Hossain
Lecturer



AE DEPARTMENT



Gp Capt Md Abdus Salam, psc, Engg
Head of the Department



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Professor



Gp Capt Debasish Biswas, AE (L)
Senior Instr
(From Indian Air Force)



Wg Cdr Dr. Vikram Venkatarao Deshpande, AE (M)
Instr CI-A
(From Indian Air Force)



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Instr CI- A



Lt Col A M M Shamsul Alam, EME
Instr CI -A



Sqn Ldr Mosammat Samia Khanam, Engg
Instr CI -B



Capt Md. Touhidur Rahman Evan, EME
Instr CI- C
(Programme Co- ordinator)



Capt Shanjida Akter, Sigs
Instr CI- C



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Lecturer



Md. Tanzimul Hasan Farabi
Lecturer



Shuvrodeb Barman
Lecturer



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Lecturer



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Lecturer



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Head of the Department



Capt M Muzibur
Rahman, (E), psc, BN
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Lt Cdr Md Golam Mohiuddin, (E), BN
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Maj Muhammad Rabiul
Islam, PhD EME
Instr-CI-B



Maj Osman Md Amin
Instr-B
(Programme Co-ordinator)



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Asst Professor



Md Mezbah Uddin
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Mohammad Irfan Uddin
Asst Professor



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Lecturer



Papiia Sultana
Lecturer



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Col Md. Mostafa Kamal
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Lt Col A K M Khabirul Islam
Instr CI-A



Romena Yesmin
Lecturer
(Programme Co-ordinator)



Md. Rakibul Islam
Lecturer



Tanmoy Das
Lecturer



Nadia Tanzeem
Lecturer



FACULTY OF SCIENCE & ENGINEERING



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Dr. Abdus Sattar Mollah
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Maj Md. Altab Hossain, PhD
Instr CI-B



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Instr CI-C
(Programme Co-ordinator)



Md. Ghulam Zakir
Lecturer



Afrin Ahsan
Lecturer



Md Akhlak Bin Aziz
Lecturer



Md Monsurul Islam Khan
Lecturer



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Instr CI-B



Maj Md. Maruf Hasan, PhD
Instr CI-B
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Abanti Shama Afroz
Asst Professor



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Head of the Department



Cdr M Ziaul Ahsan, BN
Instr CI-A



Wg Cdr Md Nurul Huda
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Maj Kazi Md Ashif Mostafa, AEC
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Instr CI-B



Maj Palash Kumar Sarker, PhD, Sigs
Instr CI-B



Maj Tahmina Sultana, PhD, Engrs
Instr CI-B



Maj Md Amirul Islam, PhD, Engrs
Instr CI-B



Maj Kayesh Mohammad Ashraf, PhD, EME
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Shah, PhD, Engrs
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Maj Md Mahabur Rahman PhD, Engrs
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Selin Yasmin
Asst Professor



Lt Sonjibone Sudha (ND), BN
A/Instr CI-B



Capt Nazmul Karim Mazumder, AEC
Instr CI-C
(Programme Co-ordinator)



BEST OF THE BESTS



CGPA-3.97
AE-2
12th Graduation year 2013

S. M. Rakibul Karim
Roll No-20132208
CGPA-3.97

Zahid Hossain Tusher
Roll No-20131823
CGPA-3.97

ECE-11

CGPA-3.97



OSMANY MEMORIAL GOLD MEDAL-2016



Shoyon Panday

Roll No-201322006

CGPA-3.98

AE-5

MIST MEDAL-2016



Maj Riaz Mahmud, Engrs

Roll No- 201311018

CGPA-3.95

CE -15



Maj Md Mahfuzur Rahman, ASC

Roll No-201314007

CGPA-3.91

CSE -12



Maj A A M Mostafizur Rahman, Sigs

Roll No-201316001

CGPA-3.93

EECE-11



Zahid Hassan Tushar

Roll No-201316023

CGPA-3.93

EECE-11



S. M. Rakibur Rahman

Roll No-201322038

CGPA-3.97

AE-5



COMMANDANT'S LIST-2016

CIVIL ENGINEERING DEPARTMENT:

Level- 4 (CE - 15)

Ser	Roll No	Name	CGPA
1.	201311014	Maj Abu Sayed Nizam, Engrs	3.86
2.	201311015	Maj H. M. Mohaymin Billah Chowdhury, Engrs	3.82

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

Level- 4 (CSE- 12)

Ser	Roll No	Name	CGPA
1.	201314059	Zinia Sultana	3.88
2.	201314016	Afia Anjum	3.87
3.	201314027	Fatima Jannat	3.82
4.	201314056	Fariha Chowdhury	3.80

ELECTRICAL, ELECTRONIC AND COMMUNICATION ENGINEERING DEPARTMENT:

Level- 4 (EECE-11)

Ser	Roll No	Name	CGPA
1.	201316008	Lt Abdur Rahim (L), BN	3.84
2.	201316009	Lt M Nazmul Basher (L), BN	3.80
3.	201316020	Rafiul Islam	3.83
4.	201316029	Farin Rahman	3.90
5.	201316040	Abdul Al Mamun	3.86
6.	201316060	Tanjina Jahan	3.85

AERONAUTICAL ENGINEERING DEPARTMENT:

Level- 4 (AE-5)

Ser	Roll No	Name	CGPA
1.	201322010	Mahfuja-A-Khuda	3.91
2.	201322011	Adib Belhaj Hasan	3.96
3.	201322040	Tariqul Islam	3.96



DEAN'S LIST-2016

CIVIL ENGINEERING DEPARTMENT:

Level- 4 (CE- 15)

Ser	Roll No	Name	CGPA
1.	201318006	Sadia Noon Oishe	3.77
2.	201318050	Suvro Bhowmick	3.76
3.	201318019	Md. Jahirul Islam	3.71

AERONAUTICAL ENGINEERING DEPARTMENT:

Level- 4 (AE- 5)

Ser	Roll No	Name	CGPA
1.	201322008	Nafiz Ahmed Khan	3.79
2.	201322009	A. S. M. Nazmus Saaquib	3.70
3.	201322054	Richie Ranaisa Daru	3.72
4.	201322060	Flt Lt Md. Samad Sarker, Engg	3.70

NAVAL ARCHITECTURE AND MARINE ENGINEERING DEPARTMENT:

Level- 4 (NAME- 1)

Ser	Roll No	Name	CGPA
1.	201324017	Rajia Sultana Kamol	3.79
2.	201324009	Md. Suhail Islam	3.71



DEAN'S LIST-2016

CIVIL ENGINEERING DEPARTMENT:

Level- 4 (CE- 15)

Ser	Roll No	Name	CGPA
1.	201311017	Maj Md Ashrafal Alam Sujan	3.78

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

Level- 4 (CSE- 12)

Ser	Roll No	Name	CGPA
1.	201314001	Maj Md Nazmul Hossain, Sigs	3.71
2.	201314002	Maj Shadman Sipar Ocean, Arty	3.74
3.	201314019	Progga Labony Pritu	3.77
4.	201314026	Itisha Nowrin	3.75
5.	201314030	Antara Mahmud	3.72
6.	201314037	Zareen Tasneem	3.74
7.	201314044	Tarannum Zaki	3.72
8.	201314047	Ayeasha Akhter	3.73
9.	201314050	Fahima Khanam	3.79

ELECTRICAL, ELECTRONIC AND COMMUNICATION ENGINEERING DEPARTMENT:

Level- 4 (EECE- 11)

Ser	Roll No	Name	CGPA
1.	201316006	Maj Shartaz Hossain, EME	3.76
2.	201316012	Ahmad Nafis Khan Suprotik	3.78
3.	201316021	Md Samin Rahman	3.76
4.	201316024	Md. Wazed Wasif	3.71
5.	201316025	Mohammad Khalid Hasan	3.70
6.	201316026	Nosheen Tasnim Chowdhury	3.75
7.	201316028	Amrita Sharlin Razzaque	3.71
8.	201316038	Tasnuva Enam	3.72
9.	201316041	Humaira Arif	3.74
10.	201316042	Imtiaz Jamil Tuku	3.71
11.	201316045	Md. Khairul Islam	3.77
12.	201316047	Musharrat Shabnam	3.79
13.	201316048	Md. Mohaiminul Haque	3.76
14.	201316049	Firoz Ahmed	3.77
15.	201316058	Md. Musfiqul Islam	3.75
16.	201216025	Shamima Nasrin Rafia	3.71



GRADUATING STUDENTS



201316025	Shamim Nazim Raja	16
201316026	Md. Mustafiz Islam	15
201316027	Rico Ahmed	14
201316028	Md. Mohammad Rafiq	13
201316029	Muhammad Shaban	12
201316030	Md. Kabirul Islam	11
201316031	Imam Jamil Tyro	10
201316032	Imam Ahsan	9
201316033	Md. Wazed Viraj	8
201316034	Md. Wazed Viraj	7
201316035	Md. Wazed Viraj	6
201316036	Md. Wazed Viraj	5
201316037	Md. Wazed Viraj	4
201316038	Md. Wazed Viraj	3
201316039	Md. Wazed Viraj	2
201316040	Md. Wazed Viraj	1



CE -15



Maj Abu Khaled Al-Mamun



Maj Hasan Mahmud



Maj Md Ashique Iqbal



Maj Md Enamul Hyder



Maj Md Tasfiqur Rahman



Maj A S M Sadique Shahriar



Maj Sk. Abdur Rashid



Maj Md Kamrul Hasan



Maj Syed Riasat Azim



Maj Iftekhar Alam



Maj Abu Sayed Nizam



Maj H. M Mohaymin Billah Chowdhury



Maj K M Shafiqul Quader



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Maj Riaz Mahmud



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Mohammad Ariful Islam



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Rafsan-E-Jeenat



Shadman Monjur



Fatima Farheen Safa



CSE 13



Maj Md Nazmul Hossain



Maj Shadman Sipar Ocean



Maj Md Faruk Hussain Khan



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Chowdhury



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Maj Md Mahfuzur Rahman



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Shubhashis Roy Dipta



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Md. Mainul Hasan Polash



Progga Labony Pritu



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Tarannum Zaki



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Nishat Sultana



Zinia Sultana



Md. Sami Uddin



Zaki Tasnim Duti



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Mohaimen Rahman



Aafra Bintay Alam



Adiba Anis



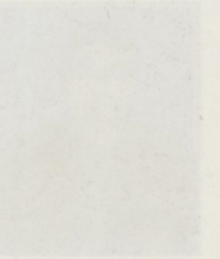
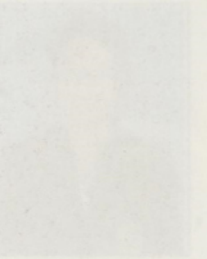
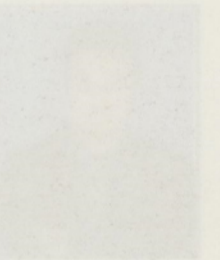
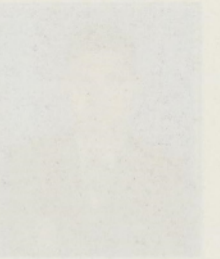
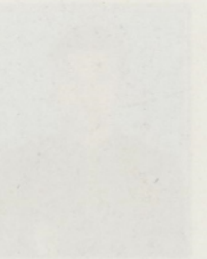
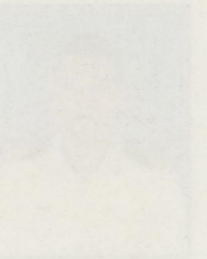
Sanjida Afrin Mitul



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Maj Gazi Nowrin Bokul, EME





EECE-11



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Sifat Bin Haider



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Arafat Sultan Khan



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Shadman Sharar



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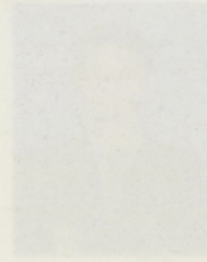
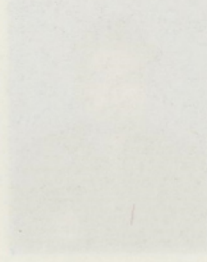
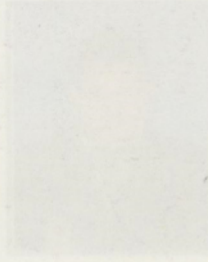
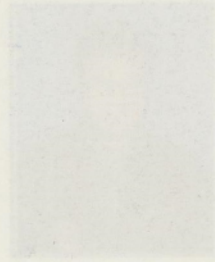
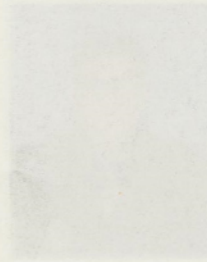
B.M.A.K.Zilany



Md. Sakib Bin Ehtesham



Sarwar Alam





AE-5



Maj Tarikur Rahman
Leon, EME



Lt Farjana Nasir, BN



Purnota Hannan Timi



Mubashera Belal Tiasha



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Borhan Uddin Manam



Nafiz Ahmed Khan



A. S. M. Nazmus Saaquib



Mahfuja-A-Khuda



Adib Belhaj Hasan



Al Mahmud



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Mofazzal Hossain



Flt LtMd. Samad Sarker, Engg



AE-5



Flt Lt Wasiul Safa, Engg



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Md Roman Hossain Fazlah Rabby



NAME -1



Lt A H Yusuf Mridha



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Lt T M Rabiul Alam



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Md. Forhad Bhuiyan



Md. Sakib-UI-Alam



Reyana Islam



Abdullah His Saad



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Kazi Sakib Ahsan



Kazi Kaarima Nazat



Amirul Hasan Razib



Shifat-E-Monzur



Md. Rahat Hossain



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