



MIST MAGAZINE



14th Graduation Ceremony
31 January 2016



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**



MESSAGE

MINISTER

I am delighted to know that MIST is going to celebrate its 14th Graduation Ceremony on 31st January 2016. 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 completing the academic curriculum successfully.

Establishing MIST by Honorable Prime Minister Sheikh Hasina was a milestone in the history of technical education in Bangladesh. MIST started its journey with the pioneer batch of 40 military student officers in 1998. Within a span of only 17 years, MIST has 12 departments under four Faculties with more than two thousand civil and military students. Over the years, MIST has emerged as a 'Centre of Excellence' in the field of research and academic in home and abroad.

Bangladesh is progressing towards achieving its "Millennium Development Goal"- in prescribed roadmap. I am very happy to know that MIST is contributing a lot in achieving the Goals of Digital Bangladesh through providing computer and ICT education to our youth and armed forces officers.

The global scenario is continuously changing with the innovation of new technologies. I am sure that MIST graduates will be able to identify problems, formulate model 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 thank the proud parents and guardians for supporting the students to accomplish their goal. I hope the graduates would utilize their full potential not only in nation-building but also establish their footprint across the globe.

I wish 14th Graduation Ceremony of MIST a grand success.

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



MESSAGE

Chief of Army Staff

It is indeed a matter of great satisfaction that 14th graduation ceremony of MIST will be held on 31 January 2016. MIST is working hard to fulfill the long cherished desire of the Armed Forces. It is now appropriately progressing 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 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 learn 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 the 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 goes to the teaching faculty and staffs for their unwavering commitment in achieving all round success.

I wish 14th Graduation Ceremony of MIST a grand success.

General Abu Belal Muhammad Shafiqul Huq, ndc, psc

Chief of Army Staff
Bangladesh Army
and

Vice Chairman, Council of MIST



MESSAGE

Chief of Naval Staff

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

It gives me immense pleasure to convey warm felicitations and heartily congratulation to all graduating students on the occasion of 14th Graduation Ceremony of MIST. I am delighted to see that this year 276 students are being graduated from 05 engineering disciplines. I truly appreciate the faculty members and staffs of MIST for their sincere effort and relentless hard work for ensuring the quality education.

Pursuing the motto "Technology for advancement" from its inception, MIST has been assuring the development of human resources both in military and civilian domain. With the encouragement and patronisation of the present government and being in line with the other two sister services of our beloved Armed Forces, Bangladesh Navy too has been transformed into a highly technology based service. Research, development and applied engineering technology will now be the life line for those high-tech platforms. The human resources to support the effort must be met by our officers, students and researchers where MIST can play a pivotal role. As the Chief of Naval Staff, Bangladesh Navy and Vice Chairman, Council of MIST, I assure my continuous support for MIST.

This year MIST has inaugurated two new engineering disciplines namely Industrial and Production Engineering (IPE) and Petroleum and Mining Engineering (PME) along with 10 other previously opened disciplines at undergraduate level and started Masters and PhD courses under different departments. This will definitely widen further technological capability of MIST.

I wish MIST to become a "Center of Excellence" in national and international arena

Vice Admiral Nizamuddin Ahmed, (TAS), OSP, ndc, psc, BN

Chief of Naval Staff
Bangladesh Navy
and

Vice Chairman, Council of MIST



MESSAGE

Chief of Air Staff

I am glad to know that Military Institute of Science and Technology (MIST) is going to publish a journal on the occasion of 14th Graduation Ceremony. It has vividly mirrored the glimpses of course curriculum and activities conducted in this renowned institute.

MIST is the herald technical institute of Armed Forces, creating magnificent trend in nurturing and empowering students with onerous efforts to accomplish its motto 'Technology for Advancement'. The Institute is unique in choosing the departments and faculties befitting for the development of the Country. I am delighted to know that 'Petroleum & Mining Engineering' (PME) and 'Industrial Production Engineering' (IPE) departments have newly been introduced in this academic year. I also appreciate the steps of MIST for opening MSc and PhD programs in Aeronautical Engineering from 2016. I believe that these efforts will play a cardinal role in fulfilling the demand of efficient and dedicated technical personnel for the country.

I am very glad to know 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.

On this auspicious occasion of 14th 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, faculty, parents, guardians and all the members of MIST for the relentless commitment in their respective areas. I convey my special gratitude to the contributors, the editorial board and all associated personnel who have worked hard for the publication of the Journal. 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



MESSAGE

**Principal Staff Officer
Armed Forces Division**

Science and technology plays significant role in the modern life and profoundly influences the course of human civilization. Technological advancement in the modern life has provided us lots of remarkable insights all over the world. After the independence, our country has been involved in the promotion of spread of science for the national development. In order to enhance the economy and betterment of our nation, up-to-date knowledge, technology science and engineering are the fundamental requisites. Technological breakthrough of the rapidly developing world necessitates the establishment of Technological Institute in the Armed Forces. In this context the pragmatic decision of establishing a Technological Institution named MIST at Mirpur Cantonment which is renowned as Education Village of Bangladesh Armed Forces was taken in 1998. The then Honorable Prime Minister of People's Republic of Bangladesh Sheikh Hasina inaugurated this hub of knowledge on 19 April 1998.

MIST is a place of extraordinary interactions where people and ideas come together in new ways-illuminating mysteries, making sparks fly and fostering intellectual breakthroughs. Though this Institute started its beginning journey with only military students but with the passage of time students from all spheres of life figured more colours, enthusiasm and spontaneity in MIST. Today I am delighted to learn that 276 students are graduating in the 14th Graduation Ceremony of MIST. My heartiest congratulation to all the graduates.

MIST is steadily upholding its motto "Technology for Advancement" and remains committed to advance knowledge and educate students in science, technology and other areas of development that will best serve the nation and the world in the 21st century. This could only be achieved by the rigorous and incessant endeavor of all faculties, staff, students and other members of MIST of present and past. Finally I express my heartfelt greetings and felicitations to the graduating students and their proud parent for their outstanding achievement. I would like to thank all teaching faculties and staff for the strenuous efforts they have kindly made to enhance the quality of MIST. I seek to develop in each member of the MIST community the ability and passion to work wisely, creatively and effectively for the betterment of humankind. May Allah bless us all.

Lieutenant General Md Mainul Islam, OSP, BGBM, awc, psc
Principal Staff Officer, Armed Forces Division



MESSAGE

Engineer in Chief

Bismillahir Rahmanir Rahim.

It is an immense pleasure for me to send off this message on this auspicious occasion of the 14th Graduation Ceremony of MIST. In last 17 years since its inception, MIST has triumphed to become one of the prominent and leading Engineering Institutes of Bangladesh. It's an early stage for such an institute to establish all its achievements firmly. But MIST truly stands alone with its head high and pride by the glorious accomplishments within this very short span of its history. Beginning with the first batch in 1999 till today, MIST has gone and been going through continuous transformation amazingly and attracting attention and sincere admiration of all academicians, professionals and pupils seeking higher education. Besides achieving its objectives, MIST is looking further and further forward towards playing a multi-dimensional role in future in realizing the vision of a "Digital Bangladesh" as envisaged by our Hon'able Prime Minister Sheikh Hasina.

The year 2016 will be a remarkable one in the history of MIST, as it marched forward by launching new two departments namely Petroleum and Mining Engineering (PME) and Industrial and Production Engineering (IPE). This year it has extended its MSc Program in Nuclear Science and Engineering and Bio-Medical Engineering Department and PhD program in Nuclear Science and Engineering Department. These steps will certainly increase its profile, enriching its academic offerings and broadening its reach.

2015 will also be remembered as a golden year in several ways. Faculties and students of this institute participated in different competitions and achieved recognition in national and international level. In this year two group of students from Aeronautical Engineering Department took part in 'Future Flight Design - 2015' competition at Turkish Air Force Academy and achieved 8th and 19th position out of 49 teams and 1st among South Asia. Another group of students from Computer Science and Engineering Department participated in 'Rover Challenge - 2015' at Mars Desert Research Station at Utah, USA and became 9th out of 44 teams and 1st among South Asia. Two students of Civil Engineering Department have invented an energy efficient burner for mass cooking which has been published in many well-circulated daily newspapers and has earned much appreciation from all concerned.

On this memorable occasion of the 14th Graduation Ceremony, we reaffirm the motto of MIST "Technology for Advancement" and pledge to live up to the mission. On this unforgettable event, I congratulate the graduating students on their success. I also applaud and acknowledge the proud parents and faculties for their commendable roles behind the success story.

I am optimist that with the inculcated knowledge and skills will have positive impact in realizing the future 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



FOREWORD

COMMANDANT MIST



Bismillahir Rahmanir Rahim. I am delighted to send this message on the eve of the 14th Graduation Ceremony. The Journey of MIST with the motto “Technology for Advancement” has already put a glowing mark in the technical education sector of Bangladesh. It produces engineers with motivation of discipline and engineering ethics. On this auspicious occasion of graduation, I congratulate all graduates from 05 different departments.

Starting with only Civil Engineering departments, MIST now stands with 12 departments. Opening MSc, MPhil and PhD programme in different discipline has opened 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 precious 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”.

I congratulate all proud parents, devoted faculties and staffs of MIST for their admirable roles behind the success of graduating students. The Editorial Board of MIST Magazine 2016 deserves appreciation for their splendid job. My deep satisfaction for all who worked hard for the successful arrangement of graduation ceremony.

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

Major General Md Abdul Quadir

Commandant

Military Institute of Science and Technology
and

Chairman, Governing Body of MIST



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 - Commandant, BNA
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Governing Body of MIST

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 - Director Research & Development (R&D), MIST
 - Director Administration, MIST
 - Representative of MOD
 - Representative of Ministry of Education
 - Representative of Ministry of Finance
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REGULATORY BODIES

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 - 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 in Bangladesh. Head of the institution is Commandant who is a Major General from Bangladesh Army. MIST has started its journey since 19 April 1998. It was the visionary dream of **Sheikh Hasina** the Honourable Prime Minister of People's Republic of Bangladesh to establish this Institute. MIST is located on the

north west part of Dhaka city at Mirpur Cantonment. Mirpur Cantonment is well known to be 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 under CE, EECE, ME, CSE departments and M Phil under Science & Humanities department.



As an institution, MIST is marching ahead on steady stride upholding its motto 'Technology for Advancement'. It 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. Total 2016 students have been graduated so far 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 1937 students out of which 84% 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.
- ✓ Strict compliance of code of conduct and dress code.
- ✓ 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 studying 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, other academic distinctions 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) at 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

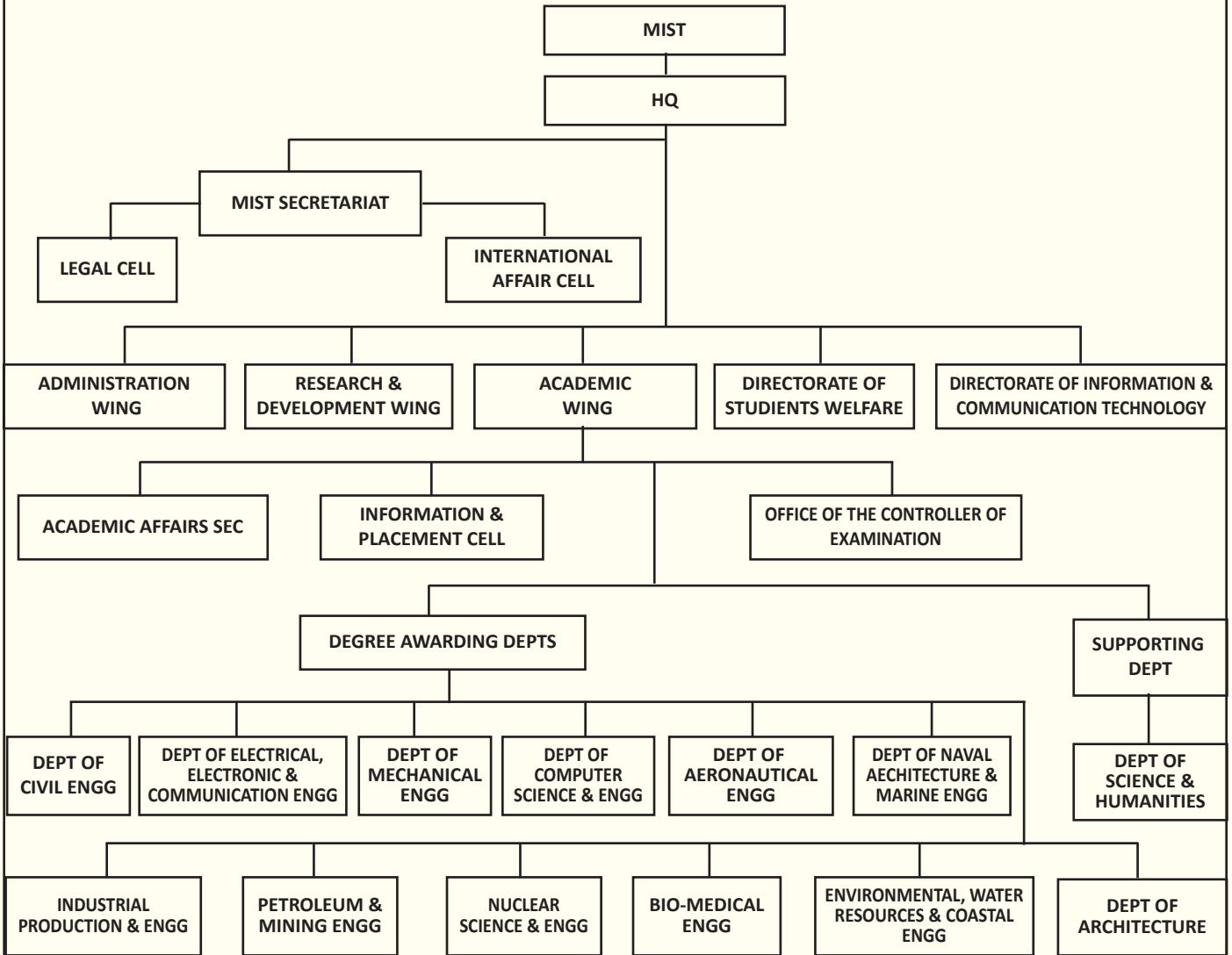
- ✓ To conduct under-graduate programmes leading to BSc Engineering Degrees in the following disciplines:
 - Civil Engineering (CE)
 - Computer Science and Engineering (CSE)
 - Electrical, Electronic and Communication Engineering (EECE)
 - Mechanical Engineering (ME)
 - Aeronautical Engineering (AE)
 - Naval Architecture and Marine Engineering (NAME)
 - 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)
- ✓ To conduct post graduate and research 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 programmes / 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, awards and certificates amongst the qualified students.



ORGANOGRAM





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

| Serial | University/ Institution | Date | Remark |
|--------|---|-------------|----------|
| 1. | Duch Bangla Bank (DBBL) | 10 Dec 2015 | - |
| 2. | Active Fine Chemicals (AFC) | 03 Nov 2015 | 01 Year |
| 3. | Biman Bangladesh Airlines Limited | 11 Oct 2015 | 02 Years |
| 4. | ICT Division, Ministry of Post & Telecommunication The people's republic of Bangladesh | 20 Sep 2015 | 05 Years |
| 5. | Indian Institute of Engineering Science and Techonology (IEST), Shibpur, India | 10 Sep 2015 | - |
| 6. | Bangabandhu Sheikh Mujibur Rahman Maritime University | 16 Aug 2015 | 10 Years |
| 7. | The Ohio State University, Columbus, Ohio, United States | 23 Mar 2015 | 01 Year |
| 8. | MIST & Ohio State University & The Institute of Water Modelling (IWM), Bangladesh | 23 Mar 2015 | - |
| 9. | Dockyard & Engineering Works Ltd, Sonakanda, Bandar | 06 Jun 2015 | 04 Years |
| 10. | Dockyard & Engineering Works Ltd, Bangladesh Navy | 06 Jun 2015 | 04 Years |
| 11. | US Naval Academic (USNA) | 27 Aug 2014 | 04 Years |
| 12. | United States Naval Academy (USNA), Annapolis, USA | 25 Aug 2014 | 04 Years |
| 13. | Stamford University Bangladesh | 13 Jun 2014 | 01 Year |
| 14. | Port City International University | 15 Jun 2014 | 01 Year |
| 15. | University Teknologi Malaysia (UTM), Malaysia | 22 May 2014 | 01 Year |
| 16. | PLA University of Science and technology (Nanjing) | - | 04 Years |
| 17. | General Sir John Kotelawala Defence University, Srilanka | 13 Jun 2014 | 01 Year |
| 18. | Jahangirnagar University | 13 Jun 2014 | 05 Years |
| 19. | University Teknologi Mara (UiTM), Malaysia | - | 03 Years |
| 20. | United States Naval Academy (USNA), Annapolis, USA | 26 Sep 2013 | 04 Years |
| 21. | Promoting Urban Rainwater Harvesting between MIST & WaterAid Bangladesh (WAB) | 26 Sep 2013 | 03 Years |
| 22. | Teletalk Bangladesh Ltd | 21 Sep 2010 | 02 Years |
| 23. | Optimax communication Ltd | 01 Jul 2010 | 01 Year |
| 24. | Orbund Bangladesh | 09 Apr 2010 | 03 Years |
| 25. | Mukti Ventures | - | - |
| 26. | Microsoft Bangladesh Ltd | - | - |
| 27. | Civil Aviation Authority of Bangladesh | - | - |
| 28. | Indian Various Institutes | - | - |
| 29. | SPARSSO | - | - |



Seminar/ Workshop: Following are the seminars conducted by various departments of MIST in 2014-2015:

| Ser | Seminar/ Workshop | 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. | 1 st International Conference on Advances in Civil Infrastructure and Construction Materials. | 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 (ICCIT-2015) | CSE |
| 14. | Cloud Technology- A New Dimension in Computing | CSE |
| 15. | Short Course on Mobile Application Development-2015 | CSE |
| 16. | Lecture Session on "Brain Machine Interface (BMI)" (Advancement of Human Machine Interface for Rehabilitation Engineering) | CSE |
| 17. | Lecture Session on CODESPARK- Be the Spark of tomorrow by Microsoft of Bangladesh | CSE |
| 18. | Certificate Course on Basic ICT Training for BEPZA Officials | CSE |
| 19. | Short Course on Microcontroller and Robotics | EECE |
| 20. | International Conference on Electrical Engineering and Information & Communication Technology (iCEEICT-2014) | EECE |
| 21. | Workshop on Technique Electrical Power Quality Understanding, Standard, Events, Analysis and Mitigation Techniques | EECE |
| 22. | Effective Academic and Review Manuscript Writing | EECE |
| 23. | Past, Present and Future Trend of Automobiles | ME |
| 24. | Scope of Mechanical Engineers in Power Plant | ME |
| 25. | Workshop on Remote Controlled Aircraft Design, Fabrication and Operation | AE |
| 26. | Short Course on Ship Design Using Software (MAXSURF) | NAME |
| 27. | Seminar on "Scope of Higher Study in Japan. | NAME |
| 28. | The Essential Prerequisite for Effective Healthcare in Bangladesh | BME |
| 29. | Seminar on Bio Safety Awareness: A Pathway to Improved Public Health | BME |
| 30. | Challenges and Future Prospects in the Sectors of Environment, Water Resources, and Coastal Zones: Perspective from Potential Engineers | EWCE |
| 31. | International Conference on climate change and water security (ICCWS-2015) | EWCE |



| | | |
|-----|--|-----|
| 32. | Perspective Future of Nuclear Engineering in Bangladesh | NSE |
| 33. | Seminar on "Nuclear Energy in Bangladesh and Safety Issues | NSE |
| 34. | Workshop on "Nuclear Engineering" | NSE |



DEPARTMENTS

Faculty of CE:

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

Faculty of ECE:

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

Faculty of ME:

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

Faculty of NSBME:

- Biomedical Engineering (BME)
- Nuclear Science and Engineering (NSE)

Presently MIST has 12 departments under four different engineering faculties including two new departments which will commence their curriculum from 2016. All departments impart education basing on common objectives and outcomes set by MIST and have defined programme objectives set for them.

Besides, MIST has a Multidisciplinary Department named Department of Science and Humanities which provides required knowledge in the fields of Mathematics, Physics, Chemistry, English, Economics, Sociology and Accounting.

Civil Engineering (CE) Department

Focussing on creating a positive, interactive learning environment, the department of CE produces top-notch engineers and leaders for the next generation. The department has started its journey as pioneer department with 40 military students in 1999. After 14 years of its inception, the department has again pioneered in introducing Post Graduate Degree in CE since October semester 2012. At present 26 faculties are serving in this department of whom 7 are PhD qualified. CE dept is now providing the most sophisticated and updated technological support in the field of civil engineering. In addition, the programme's 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 esteemed 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



environmental engineering are carried out with the consultancy services of this department. A study on circular waterway around the Dhaka city, Master plan of Mirpur cantonment, Eco-park in Mirpur cantonment area, Garments building inspection and assessment of different military installation were carried by the faculty members of this department. Various tests regarding material properties, constructional quality controls etc. are also on-going in the same laboratories.

Computer Science and Engineering (CSE) Department



Department of Computer Science & Engineering (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 M.Engg) in CSE. With its excellent professional competence, pragmatic curriculum, expert teaching viewpoints and capabilities of training, BSc in CSE degree programme 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 post-graduate students who proved their potentiality at 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 25 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 Electrical, Electronic and Communication Engineering (EECE) department was laid in 2003. It is functioning under the Faculty of Electrical & Computer Engineering. The department is offering both undergraduate and post-graduate programmes. EECE department is subdivided into three major areas: Power, Electronics and Communication in the graduate and undergraduate curricula. With several professors who are also potential researchers, this Department serves 360 undergraduates and 120 graduate students. It offers a diverse educational experience with a focus on traditional areas as well as in emerging areas. The faculties are engaged in numerous research areas including satellite navigation, radar detection and tracking, optical fiber communication, broadband wireless communications, renewable energy, thin film technology etc. At present, there are 25 faculties in this department.





EECE department frequently arranges project competition and seminars to enhance the knowledge of the students. The students of this department participate in various national and international competitions throughout the year. Under this department, MIST robotics club and IEEE student branch are performing. EECE department has got its accreditation from BAETE in September 2010. Post graduate programme under this department started functioning since October 2013.

Mechanical Engineering (ME) Department

Mechanical engineering department has 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 are 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.



ME department offers dynamic educational programmes. The faculty also delivers quality engineering education. This department offers studies leading to the BSc in ME, MSc/M.Engg in ME and PhD in the field of Mechanical Engineering. This department has received accreditation from BAETE, IEB on March 2010 with a grade as 'GOOD'.

Aeronautical Engineering (AE) Department



Aeronautical engineering department has started its journey from 1st February 2009. This department is currently offering BSc in AE undergraduate programme which provides an excellent technical background for persons who want to work in the field of aviation. The new generation of Aeronautical Engineers is encouraged to undertake research and development activities in the areas of aerodynamics, aerospace propulsion, aircraft loading & structural analysis, aerospace vehicle design, space technology, advance aerospace technology, avionics and analysis of fundamentals as well as

applied problems. This department is organized into two major divisions: Aerospace and Avionics with a total of 242 students currently studying here. Overseas students from different countries like Palestine, Maldives, Nepal pursued their bachelor degree from this department which was the beginning of wide opportunities for international students. The department is running its 7th batch with successful graduation of 3 batches of 181 students. 21 faculties specialized from different background (civil, military and foreign) are serving in this department.

Within only about seven years of its inception, AE department has participated in many national and interna



tional competitions and has clinched praise-worthy results. Mentionable achievement 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), and Future Flight Design(FFD) 2015 (Turkey). Aeronautical Engineering Department of MIST organized 1st National Aero Design Competition in 2014 which has 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 department is in the process of concluding MOU with Civil Aviation Authority of Bangladesh (CAAB), Bangladesh Biman, 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 has 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 detail knowledge about designing of ships & offshore structures, determining the optimum/efficient shape for the hull/structure, supervision of construction work etc.



The various industry positions where the students may be employed include ship design firms, dockyards, shipyards, shipping companies, classification societies, Ministry of Shipping, BIWTA and BIWTC. At present, 142 students in three levels are studying at MIST. Eleven faculties, specialized from different background (Military & Civil) are serving in this department. NAME department has plan to start MSc Programme from 2017.



Architecture (ARCH) Department



Department of Architecture has been started its' journey in 2015. Though it is one of the junior most departments, has all the potentials. All enrolled students for the Bachelor of Architecture (B.Arch.)



programme shall have to complete five (5) years' curriculum & minimum 199 credit hours. There will be total of 14 credit hours of General Education (Human Science) courses of 28 contact hours, 79 credit hours of Design courses with the 123 contact hours, 24 credit hours of Design Communication studios with 45 contact hours, 24 credit hours of Technical System Courses with 26 contact hours, 18 credit hours of History, Human Behavior & Environment courses with 18 contact hours and 38 credit hours of Design Related theory courses with the necessary contact hours of 76 to complete the programme. Students of the programme need to earn minimum CGPA of 2.20 in the theory courses and complete the thesis/project satisfactorily under 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 this department is offering undergraduate programme in the aforementioned 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 and assessed properly. Besides, environmental

aspects of large scale civil engineering projects should be paid special attention to mitigate their adverse impacts on 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 42 students and 8 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. This department has also a library and the library facilities will be extended further. It is expected that field specific 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.





Biomedical Engineering (BME) Department

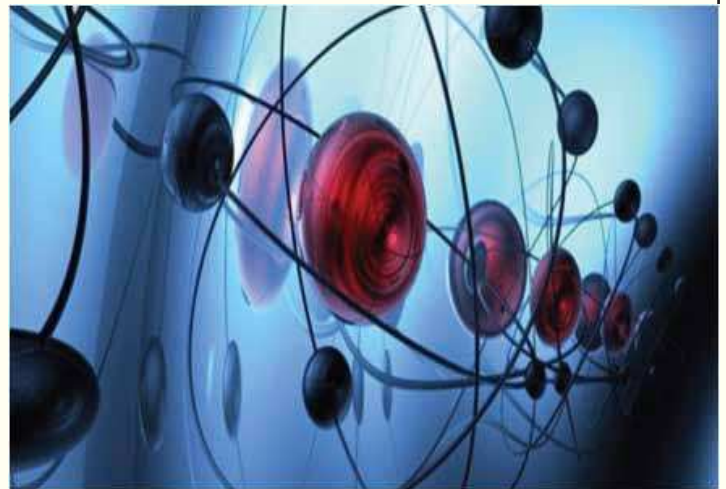


Biomedical Engineering Department (BME) aims to improve human health by applying engineering principles and methods to medical problems. Although Biomedical Engineering is a very recent subject being introduced in our country, it is already a highly demanding field of study. Students get versatile means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

to problems in 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 equipments as 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 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. computer code. Problems of military and national importance have consequently received great emphasis in the activities of this department.



Petroleum and Mining Engineering (PME) Department

The Department of Petroleum and Mining Engineering (PME) offers Bachelor of Science in Petroleum and Mining Engineering programme which is one of the top university level programmes among the engineering universities in Bangladesh. This Department is planning to start its academic work in the year 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 fulfil 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 balanced 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.

Industrial and Production Engineering (IPE) Department

Industrial and production Engineering (IPE) department is going to start its function from 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 to produce 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.



Science and Humanities (Sc & Hum) Department



With the inception of MIST, Science & Humanities dept has started its journey from 19 April 1998. Since the beginning, this department has been working as an essential component of the statutory framework of MIST. This department is committed to providing the students of MIST with required knowledge in the fields of Mathematics, Physics, Chemistry, English, Economics, Sociology and Accounting. 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 in that field to enrich the students knowledge and to make them oriented with world of learning. Thus this department is playing its due role in producing competent engineers, architects and planners who in practical life prove themselves successful and efficient. As a multidisciplinary department it aims at developing in the students those facilities which help them to orient themselves in this predominantly technological world with more social adaptability.



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, lecturers, seminars etc. At present, the state of Instructors/ teachers of MIST are as follows:

| Appt | Armed Forces | MIST | | | From Other Universities | Total |
|---------------------|--------------|-----------------|----------|------|-------------------------|-------|
| | | Civil Faculties | | | | |
| | | Permanent | Contract | MIST | | |
| Professor | 13 | 05 | 04 | 01 | 20 | 43 |
| Associate Professor | 24 | 04 | 01 | - | 03 | 32 |
| Assistant Professor | 36 | 04 | 06 | 03 | 08 | 57 |
| Lecturer | 36 | 05 | 05 | 34 | 04 | 84 |
| Total | 109 | 18 | 16 | 38 | 36 | 216 |

NUMBER OF SEATS

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

| Serial | Unit | Department | Seats |
|--------|----------|---|-------|
| 1 | A | Civil Engineering (CE) | 60 |
| 2 | | Computer Science and Engineering (CSE) | 60 |
| 3 | | Electrical, Electronic and Communication Engineering (EECE) | 60 |
| 4 | | Mechanical Engineering (ME) | 60 |
| 5 | B | 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) | 40 |
| 10 | | Petroleum and Mining Engineering (PME) | 60 |
| 11 | | Industrial and Production Engineering (IPE) | 60 |
| 12 | | Architecture (ARCH) | 25 |



Total number of seats is not fixed. Total no of seats is approximately 600. However, in case of the requirement of military students vacancy is less in any particular year, the deficient vacancy will be filled up by civil students. MIST also maintains quota for children of military personnel (40%), children of freedom fighters (2%), tribal citizen (1%) and foreign students (3%).

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 week of February. The academic activities are conducted as per academic calendar approved by Academic Council of MIST before commencement of the programmes.

| Ser | Events | Duration (Weeks) |
|---------------|--------------------------------------|------------------|
| 1. | Classes | 07 |
| 2. | Mid Term Break | 01 |
| 3. | Classes | 07 |
| 4. | Recess before Term Final Examination | 02 |
| 5. | Term Final Examination | 03 |
| 6. | Term End Break | 02 |
| Total: | | 22 |

ENGINEERING GRADUATES FROM MIST

A total of 2016 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 | Total |
|--------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| CE | 33 | 19 | 15 | 28 | 38 | 45 | 39 | 21 | 61 | 55 | 39 | 58 | 49 | 52 | 552 |
| CSE | - | - | 49 | 41 | 33 | 35 | 32 | 38 | 41 | 55 | 59 | 65 | 47 | 61 | 556 |
| EECE | - | - | - | - | 35 | 43 | 38 | 33 | 46 | 56 | 63 | 62 | 61 | 58 | 495 |
| ME | - | - | - | - | 35 | 26 | 38 | 35 | 45 | 43 | 67 | 68 | 53 | 53 | 463 |
| AE | - | - | - | - | - | - | - | - | - | - | 56 | 66 | 52 | 52 | 226 |
| Total | 33 | 19 | 64 | 69 | 141 | 149 | 147 | 127 | 193 | 209 | 289 | 319 | 262 | 276 | 2292 |



ACADEMIC CALENDAR OF MIST (ACADEMIC SESSION 2015/16 BEGINS ON 07 FEB 2016)

| Dt | Wks | Events & Activities | Rmks |
|--|-------|--|------------------|
| <u>TERM-1 (07 FEB 2016-09 JUL 2016)</u> | | | |
| 31 Jan – 06 Feb | | 1. Graduation Ceremony 2015 -31 Jan 2016 2. Launching Ceremony of Aca Session 2015/16-03 Feb 16 | |
| 07 Feb – 13 Feb | Wk 1 | 1. Android Course – (08-14 Feb) – CSE Dept | CI Begins |
| 14 Feb – 20 Feb | Wk 2 | 1. # Ref Exam (14-18 Feb) 2. Seminar – (18-19 Feb) – NSE Dept 3. Nobin Boron 4. Architectural Week | |
| 21 Feb – 27 Feb | Wk 3 | 1. Shaheed Day and Intl Mother Language Day-21 Feb 2. Comdt Parade -22 Feb 3. Seminar- (22 -24 Feb) BME Dept 4. Volleyball Cmptr (Male & Female) – AE Dept | |
| 28 Feb – 05 Mar | Wk 4 | 1. Seminar – PME Dept 2. Short Course – AE Dept | |
| 06 Mar – 12 Mar | Wk 5 | 1. Comdt Parade – 06 Mar 2.Seminar – Architecture Dept 3. Seminar – (09-10 Mar) – NAME Dept 4. Athletics Cmptr – ME Dept | |
| 13 Mar – 19 Mar | Wk 6 | 1. Birthday of Father of the Nation – 17 Mar | |
| 20 Mar – 26 Mar | Wk 7 | 1. Indep and Ntl Day – 26 Mar 2. National Collegiate Programming Contest (NCPC)- (22-28 Mar) – CSE Dept 3. International Water Day (22 Mar 15) – EWCE Dept | |
| 27 Mar – 02 Apr | Wk 8 | Workshop/Shorts Course – EECE Dept | Mid Term |
| 03 Apr – 09 Apr | Wk 9 | 1. International Conference Jointly With ME Dept – Apr 2016 (AE Dept) | |
| 10 Apr – 16 Apr | Wk 10 | 1. Comdt Parade – 10 Apr 2. Bangla Nobobarsha & Pitha Utshab – 14 Apr 3. Seminar/wksp – CE Dept 4. Cricket Tournament – EECE Dept | |
| 17 Apr – 23 Apr | Wk 11 | 1. AIAA DBF Competition – Apr 2016 (AE Dept) | |
| 24 Apr – 30 Apr | Wk 12 | | |
| 01 May – 07 May | Wk 13 | 1. May Day-01 May 2. Shob-e-Meraj – 05 May* 3. Comdt parade – 08 May 4. Wksp (02-05 May)- BME Dept | |
| 08 May –14 May | Wk 14 | | |
| 15 May –21 May | Wk 15 | 1. Buddha Purnima – 21 May | <i>CI Ends</i> |



| | | | |
|---|---------------|--|----------------------------|
| 22 May –28 May | Wk 16 | 1. Shob-e-borat- 23 May* | PL |
| 29 May –04 Jun | Wk 17 | | PL |
| 05 Jun –11 Jun | Wk 18 | 1. International Environment day (05 Jun 15)-EWCE Dept | Exam Wk-1 |
| 12 Jun – 13 Jun | Wk 19 | 1. Short Course (15 Jun-10 Jul) – BME Dept | Exam Wk-2 |
| 19 Jun – 25 Jun | Wk 20 | | Exam Wk-3 |
| 26 Jun – 02 Jul | Wk 21 | 1. Jumatul Bida | Term End Break - 02 Wks |
| 03 Jul – 09 Jul | Wk 22 | 1. Shob-e-Quadar – 03 Jul* 2. Eid-UI-Fitr – 06 Jul * | |
| Total | 22 Wks | | |
| TERM-2 (10 JUL 2016–10 DEC 2016) | | | |
| 10 Jul – 16 Jul | Wk 1 | | Term-II Cl Begins |
| 17 Jul – 23 Jul | Wk 2 | 1. Football Cmpt – CSE Dept 2. Seminar/Workshop (19-23 Jul) – NSE Dept | |
| 24 Jul – 30 Jul | Wk 3 | | |
| 31 Jul – 06 Aug | Wk 4 | 1. Seminar on Cyber Security/Cloud Computing/Big Data 02-08 Aug – CSE Dept | |
| 07 Aug – 13 Aug | Wk 5 | 1. Comdt Parade -07 Aug 2. Inter Dept Debate Cmpt | |
| 14 Aug – 20 Aug | Wk 6 | | |
| 21 Aug – 22 Aug | Wk 7 | 1. Nfl Mourning Day – 15 Aug | |
| 28 Aug – 03 Sep | Wk 8 | 1. Janmashtami – 25 Aug 2. Table Tennis Cmpt – NAME Dept | |
| 04 Sep – 10 Sep | Wk 9 | 1. Comdt Parade- 04 Sep 2. Short Course on Fluid Power and Control Systems – Sep 2016 (AE Dept) 3. Seminar (04-08 Sep) – BME Dept | |
| 11 Sep – 17 Sep | Wk 10 | 1. Eid-UI-Azha – 12 Sep * | Mid Term Break |
| 18 Sep – 24 Sep | Wk 11 | 1. iCEEICT – 2016 (22-24) Sep – EECE Dept | |
| 25 Sep – 01 Oct | Wk 12 | 1. Seminar/Workshop/Short Course – (26-30 Sep- NSE Dept) | |
| 02 Oct – 08 Oct | Wk 13 | 1. Comdt Parade- 02 Oct 2. Conf – CE Dept | |
| 09 Oct – 15 Oct | Wk 14 | 1. Durga Puja – 11 Oct | |
| 16 Oct – 22 Oct | Wk 15 | 1. Ashura – 12 Oct* | Cl Ends |
| 23 Oct – 29 Oct | Wk 16 | | PL |
| 30 Oct – 05 Nov | Wk 17 | | PL |
| 06 Nov – 12 Nov | Wk 18 | | Exam Wk -1 |
| 13 Nov – 19 Nov | Wk 19 | | Exam Wk-2 |



| | | | |
|-------------------|---------------|--|-----------------------|
| 20 Nov – 26 Nov | Wk 20 | | Exam Wk-3 |
| 27 Nov – 03 Dec | Wk 21 | 1. Workshop (27-30 Nov) – BME Dept 2. Short Course on Micro Controller and Robotics (01 Dec- 31 Dec 16) – EECE Dept 3. Akheri Chahar Somba – 30 Nov * | Term End Break |
| 04 Dec – 10 Dec | Wk 22 | | |
| Total | 22 Wks | | |
| 11 Dec- 07 Jan 16 | 04 Wks | 1. Victory Day-16 Dec 2. Christmas Day-25 Dec | |
| 11 Dec – 24 Dec | 02 Wks | 3. Thesis/Proj wk of Lvl-4 of all Depts -04 wks 4. Svy Prac of Lvl-1 of CE Dept - 02 wks | |
| 11Dec – 07Jan 16 | 04 Wks | 5. Industrial Trg of Lvl-3 of all Depts -04 wks 6. Workshop on Remote Controller (RC) Aircraft Design Fabrication and, Operation – 2016 – AE Dept 7. Job Fair – 2017 – AE Dept 8. Short Course – (Dec – Jan 17) – NAME Dept | |
| | | | |

* Subj to the sighting of moon

Note:

1. 14th Graduation Ceremony-2015 - 31 January 2016
2. 2nd National Aero-Design Competition and Exhibition – 2016 & Flying Simulation Training and Competition Jan 2016 (AE Dept).
3. Term-1 Final Exam of all levels of all Engg prog starts on 05 Jun 2016.
4. Term-2 Final Exam of all levels of all Engg prog starts on 06 Nov 2016.
5. Level-4 students will complete everything regarding thesis (incl def) from 11 Dec to 07 Jan Jan 2017.
6. Industrial Trg for Level-3 students will be conducted from 11 Dec to 07 Jan 2017.
7. Svy Prac of Level-1 students of CE Dept will be conducted from 11 Dec to 24 Dec 2016.
8. Ref exams for the session 2015/16 will be conducted on 2nd wk of Feb 2017.
9. Academic session 2016/17 is scheduled to be started from 05 Feb 2017.
10. Dinner Ni and Guest Ni will be intimated separately.
11. Cultural Prog org by the students in each term will be intimated separately.
12. Any other holidays as and when declared by the govt will be intimated accordingly.
13. Any other changes may be incorporated due to the changes in the academic activities.
14. All dept will conduct at least one out door visit in each term.



RECOGNITION OF PERFORMANCE

Osmany Memorial Gold Medal

Awarded to the best student amongst all the MIST Medal winners.

MIST Medal

Awarded to the first position holder among the graduating students from each department earning a minimum CGPA of 3.8.

Commandant's List

All students earning CGPA ≥ 3.8 at the end of each academic level (level 1 to 4).

Dean's List

All students earning $3.8 > \text{CGPA} \geq 3.7$ at the end of each academic level (level 1 to 4).

Scholarships and Stipends

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

Academic Honours of 2015

(Graduating Students)

| Dept | Osmany Memorial Gold Medal | MIST Medal | Commandant's List | Dean's List |
|-----------|----------------------------|------------|-------------------|-------------|
| CE Dept | | 1 | 2 | 3 |
| CSE Dept | | 1 | 3 | 5 |
| EECE Dept | 1 | 1 | 7 | 5 |
| ME Dept | | 1 | 1 | 1 |
| AE Dept | | 1 | 5 | 1 |
| Total: | 1 | 5 | 18 | 15 |



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
- MIST IT Cell and Central Server Room

EECE Department

- Electrical Circuit Laboratory
- Electrical Circuit Simulation Laboratory
- Computer Programmemeing 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
- Applied Mechanics 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

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



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

Sc & Hum Department

- Chemistry Laboratory
- Physics Laboratory



FACILITIES AND SERVICES

Modernised Class Room. MIST has adequate number of air conditioned classroom with multimedia facilities.

Accommodation. MIST, in principle is a residential institute. The residential hall with all modern facilities, 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 57,000 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 Azmol Hospital (Mirpur 10), 3 km away from MIST for better treatment.

Transport. MIST provides bus services for the students on payment. The buses move in four routes: MIST to Shahbag, MIST to Abdullahpur, MIST to Azimpur and MIST to Banani.

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, cultural competition, celebration of national days are also arranged regularly in befitting manner.

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

Photography Club-FOCUS. With a view to promoting creativity imbued with aesthetic sense among the students of MIST Photography Club-FOCUS was established in 2015. Beside educational activities like game, sports, debate, photography club is exploring the latent talents from the students who have special interest in photography. Research and Development Wing is patronising this Photography Club.



Cultural Programme. To break the monotony of study different cultural programmes are arranged at regular intervals.

Centre for Advisory and Testing Services (CATS). The research, consultancy and testing services, required by the industries and the Government agencies are 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 provide the teachers and staffs 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 regulated and supervised under the EECE dept 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 solving-oriented.

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 MSc 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 to facilitate disaster related research work for Disaster Management in Bangladesh a research centre named “Centre for Disaster Management Studies” under CE Department is functioning.

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. Following are mentionable:

- 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 and
- United States Naval Academy (USNA) etc.

INSTITUTIONAL HIGHLIGHTS





JANUARY- 2015

13TH GRADUATION CEREMONY



The 13th Graduation Ceremony of Military Institute of Science and Technology (MIST) was held on 27 January 2015 at GMMPH, MIST, Mirpur Cantonment, Dhaka. Honourable Minister, Ministry of education, Mr. Nurul Islam Nahid, MP graced the occasion as the Chief Guest. Honourable Minister handed over BSc Engineering certificates to the new graduates. Commandant MIST, Maj Gen Md Siddiqur Rahman Sarker, SGP, hdmc, psc 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 and academicians were also present in the ceremony.

CERTIFICATE AWARDING CEREMONY OF SHORT COURSE ON “MOBILE APPLICATION DEVELOPMENT-2015”

A short course on “Mobile Application Development” was conducted by CSE Department of MIST from 01 Jan to 28 Jan 2015. In this course total 56 participants joined from different institutions. Certificate awarding ceremony of the course was held at MIST on 02 April 2015. Shyam Sunder Sikder, Secretary, Division of ICT graced the occasion as chief guest. Maj Gen Md Siddiqur Rahman Sarker, SGP, hdmc, psc Commandant, MIST, senior military and civil officials and students of MIST were present in the ceremony.





FEBRUARY- 2015

SEMINAR ON “SCOPE OF MECHANICAL ENGINEERS IN POWER PLANT”



Mechanical Engineering Department of MIST organized a seminar titled "Scope of Mechanical Engineers in Power Plant" on 18 February 2015. Mr. Nasrul Hamid, MP, Honourable State Minister, Ministry of Power, Energy and Mineral Resources graced the occasion as the Chief Guest. Mohammad Hossain, Director General, Power Cell, Power Division, Ministry of Power, Energy and Mineral Resources, was present in the seminar as Special Guest. Maj Gen Md Siddiqur Rahman Sarker, SGP, hdmc, psc, Commandant, MIST chaired the session. The keynote speech was delivered by Prof Dr. Fazli Ilahi, former VC, IUT.

SEMINAR ORGANIZED BY BIOMEDICAL ENGINEERING DEPARTMENT

MIST has started four years BSc engineering course in Biomedical Engineering from 01 Feb 2015 along with traditional fields of engineering education. This department organized the first departmental seminar titled "The Essential Prerequisite for Effective Healthcare in Bangladesh" on 25 Feb 2015. The Chief Guest of this seminar was Architect Yeafesh Osman, MP, the Honourable State Minister of Science and Technology.





MARCH- 2015

INTER-DEPT ATHLETICS COMPETITION- 2015



Inter Department Athletics Competition was held from 01 Mar to 05 Mar 2015. Participants from all departments put up their best to win with joy and 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 events for male and female athletes. Mohd. Mezanur Rahman (CE Dept) and Ridita Afrin Shaila (EECE Dept) became the best male and female athlete respectively. EECE Department became the champion and CE department became runner-up among ten departments.

WORKSHOP ON “REMOTE CONTROLLED AIRCRAFT DESIGN, FABRICATION AND OPERATION”

Aeronautical Engineering department of Military Institute of Science and Technology (MIST) organized a seven days workshop on “Remote Controlled Aircraft Design, Fabrication and Operation”. The workshop was inaugurated on 24th March of 2015 by Air Marshal Muhammad Enamul Bari, BBP, ndu, psc the Chief of Air staff Bangladesh Air Force. Chairman of Civil Aviation Authority of Bangladesh (CAAB) Air Vice Marshal Sanaul Huq was present at the inauguration ceremony as special guest while commandant of MIST Maj Gen Md Siddiquir Rahman Sarker, SGP, hdmc, psc presided over the ceremony. Senior officials from Army, Navy and Air Force participated in the opening ceremony.





APRIL- 2015

MOU SIGNING CEREMONY WITH OHIO STATE UNIVERSITY, USA



Prof J. Craig Jeukin and Prof C.K. Shum of Ohio State University, USA visited MIST for signing MOU between MIST and Ohio State University on 03 Apr 2015.

SEMINAR ON "PERSPECTIVE FUTURE OF NUCLEAR ENGINEERING IN BANGLADESH"

Nuclear science & Engineering department organized the first departmental seminar titled "Perspective Future of Nuclear Engineering in Bangladesh" on 12 Apr 2015. The Chief Guest of this seminar was Dr. Tawfiq-e-Elahi Chowdhury, BB, the honourable Advisor to the Prime Minister, Ministry of Power, Energy & Mineral Resources.





MAY- 2015

PARTICIPATION IN “THE FUTURE FLIGHT DESIGN COMPETITION- 2015”



Two teams named Andromeda and Zenith-1 from MIST participated in The Future Flight Design Competition- 2015 at Turkish Air Force Academy. The competition held on 08-10 May 2015 at Hezarfen Airport, Istanbul, Turkey. Among the registered 49 teams, 37 teams were able to submit their design report. Team Zenith-1 secured 8th position in design report. Team Andromeda got 19th position amongst the participants. Both the team has been honored with certificates from Turkish Air Force Academy.

“UNIVERSITY ROVER CHALLENGE (URC) COMPETITION- 2015”

Team “Mongol Barota” from the department of Computer Science and Engineering (CSE) of MIST has performed extremely well in “University Rover Challenge (URC) Competition- 2015” on 28-30 May 2015. The competition was held in the Mars Desert Research Station (MDRS) in Utah, USA where the geographical condition is almost similar to Mars. They have achieved the top position in Asian subcontinent. Also, the rover MAYA with it's fantastic claw has grasped the 9th position among 44 international teams. This year 44 teams from 6 countries spanning 4 continents took part in the competition.





JUNE- 2015

SEMINAR ON “CYBER SECURITY” & CERTIFICATE AWARDING CEREMONY OF “THE CERTIFICATE COURSE ON CYBER SECURITY – 2015”



A seminar on “Cyber Security” and a Certificate Awarding Ceremony of the “Certificate Course on Cyber Security–2015” was held on 8th June 2015 under the supervision of CSE Dept, MIST. Respected Assistant Chief of Air Staff (M), BAF Air Vice Marshal M Mazharul Islam, BSP, psc graced the occasion as the Chief Guest and Commandant MIST, Maj Gen Md Siddiqur Rahman Sarker, SGP, hdmc, psc was the special guest in that event. Two renowned persons from ICT Division Mrs Mahbooba Panna, Programme Director, Cyber Security Programme' and Engr Mr. Tanvir Hassan Zoha, CSIRT Specialist were the guest speakers in the seminar.



JULY- 2015

VISIT OF SRI LANKAN STAFF COLLEGE DELEGATION



A six member delegation of Sri Lankan Staff College led by Maj Gen GVDUA Perera, RWP, RSP, USP, USAWC, psc, Commandant, Sri Lankan Staff College visited MIST on 5 July 2015.

LECTURE SESSION ON “BRAIN MACHINE INTERFACE (BMI)”

On 29 July 2015 a lecture session on “Brain Machine Interface (BMI)” was arranged by the Department of CSE, MIST. Brig Gen Md. Shahidul Alam, Dean, Faculty of ECE, MIST graced the occasion as the Chief Guest & Dr. Khondaker Abdullah Al Mamun, Associate Professor, Department. of CSE, United International University, and Director, Advanced Intelligent Multidisciplinary Systems (AIMS) Lab was the speaker in that event. The objective of the programme was to introduce recent advancement of different alternative modalities and methods of Human Machine Interface (HMI) and Brain Machine Interface (BMI) technology and it's ranges of real life applications.





AUGUST- 2015

INTER-DEPT TABLE TENNIS TOURNAMENT-2015



Inter-Dept Table Tennis Competition-2015 was held from 16-20 August 2015. EECE Dept became the Champion and ME Dept became the Runner-up respectively. Dean Faculty of ME, Brigadier General Md Lutfor Rahman graced the occasion as the chief guest.

SEMINAR ON “NUCLEAR ENERGY IN BANGLADESH AND SAFETY ISSUES”

Biomedical Engineering department is organized the 2nd consecutive seminar titled “Nuclear Energy in Bangladesh and Safety Issues” on 20 Aug 2015. The Chief Guest of this seminar was Architect Yeafesh Osman, honourable Minister, Ministry of Science & Technology. Mr. Mahmudul Hasan, Member, Physical Science, Bangladesh Atomic Energy Commission (BAEC), attended as a Special Guest and Major General Siddiqur Rahman Sarker, SGP, hdmc, psc, Commandant of MIST were present in this seminar. The event was attended by more than 300 participants from different organizations. Renowned academicians, professors, researchers, two keynote speakers and students attended the seminar.





SEPTEMBER- 2015

INTER-DEPT VOLLEYBALL COMPETITION -2015



Inter-Dept Volley ball Competition-2015 was held from 06-10 Sep 2015. Seven teams participated in this competition. CE Dept became the Champion and EECE Dept became the Runner-up respectively in male group. CE Dept became the Champion and AE Dept became the Runner-up respectively in female group. Dean Faculty of ME, Brigadier General Md Luffor Rahman graced the occasion as the chief guest.

MOU SIGNING CEREMONY BETWEEN MIST & ICT

An MoU was signed between Military Institute of Science and Technology (MIST) and ICT Division, Ministry of Posts, Telecommunication and Information Technology, Bangladesh, on 20 Sep 2015 at Ministry of Posts, Telecommunications & information technology. Honourable State Minister Zunaid Ahmed Palak, MP, ICT Division, Ministry of Posts, Telecommunications & information technology, Govt of the People's Republic of Bangladesh and Commandant MIST, Major General Md Siddiqur Rahman Sarker, SGP, hdmc, psc, was present in the ceremony.





OCTOBER- 2015

INTER-DEPT DEBATE COMPETITION-2015



Inter-Dept Debate Competition-2015 was organized by Science & Humanities Department from 07-14 October 2015. The final day topic was 'Cultural Aggression through Satellite Channels is a Serious Threat to our Cultural Heritage'. Six teams participated in this competition. EECE Dept became the Champion and CSE Dept became the Runner-up respectively. Lt Nur Mohammad, (L), BN (EECE-10) was adjudged as the best speaker. Dean Faculty of ME Brigadier General Md Lutfur Rahman graced the occasion as the chief guest and awarded the winners.

ACCREDITATION OF AE DEPT

The Board of Accreditation for Engineering & Technical Education (BAETE) visited MIST 20-22 October 2015. Prof. Dr. Md. Fazli Ilahi, former VC, IUT led the visiting team. The board has finally decided to approve the accreditation of Aeronautical Engineering programme of MIST for a period of three years.





NOVEMBER- 2015

MOU SIGNING CEREMONY-MIST & ACTIVE FINE CHEMICALS



An MoU was signed between Military Institute of Science and Technology (MIST) and Active Fine Chemicals (AFC) on 03 November 2015 at MIST. Major General Md. Abdul Quadir, Commandant of MIST was the Chief Guest of the programme. Major General Md. Mustafizur Rahman, Director General, DGDA, Ministry of Health & Family Welfare, Government of the People's Republic of Bangladesh graced the event as special guest. MIST Faculty Deans, Wing/Dept Heads and faculties of Biomedical Engineering Department were present in the ceremony.

ORIENTATION PROGRAMME OF PhD & MSc FOR NSE & BME DEPT

The inauguration ceremony of the 1st Batches of MSc and PhD programme of the faculty of Nuclear Science and Biomedical Engineering of MIST was held on 02 November, 2015. The ceremony was held at the Central Conference Room of MIST at 1000 hours. Major General Md. Abdul Quadir, Commandant of MIST was the Chief Guest of the programme. Faculty Deans, Wing/Dept Heads, other faculties, students of the 1st Batches of MSc and PhD programmes of NSE and BME departments were present in the ceremony.





DECEMBER- 2015

INTERNATIONAL CONFERENCE ON “COMPUTER AND INFORMATION TECHNOLOGY (ICCIT)”



A 3-day long International Conference on Computer and Information Technology (ICCIT) - 2015 was held at Military Institute of Science and Technology (MIST) from 21 December 2015. In this conference researchers and professionals from both academia and industry from USA, Canada, Australia, Korea, China, India, Malaysia, Turkey and Germany along with Bangladesh had participated for sharing up-to-date knowledge and experience in the fields of ICT.

Major General Tarique Ahmed Siddique, rcds, psc (ret), Security Affairs Advisor to Honourable Prime Minister, Government of the People's Republic of Bangladesh graced the inauguration ceremony as Chief Guest. Professionals from both academia and industry participated in the opening ceremony.

INTERNATIONAL CONFERENCE ON “CLIMATE CHANGE AND WATER SECURITY”

A day long International conference on “Climate Change and Water Security (ICCWS-2015)” was held at MIST on 27 Dec, 2015 at the General Mustafiz Multipurpose Hall. Renowned researchers from Bangladesh, India and Canada attended the conference.

The Chairman of University Grants Commission, Professor Abdul Mannan graced the occasion as chief guest and Dr. Ainun Nishat was there as the special guest.



FACULTIES AND STAFF OFFICERS





HQ MIST



Maj Gen Md Abdul Quadir
Commandant



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



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



Capt Jenifa Yeasmin, Engrs
Offg GSO-2(HQ)



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

ACADEMIC WING



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



Maj Nur-A-Jannatul Khair Tani, Engrs
GSO-2 (Academic)



CONTROLLER OF EXAM SECTION



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



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

R & D WING



Brig Gen Md Shohail Hossain Khan, psc
Director Research & Development



Lt Col G M Faruque, Engrs
GSO-1 (Research)



Maj Kazi Md Asif Mostafa, AEC
GSO-2 (Research)



Sqn Ldr Mohammad Shamim Sarker, Log
GSO- 2 (R&D)



Md Moslem Uddin
Librarian



Mst Nusrat Sultana
Asst Librarian



Maisha Fariha
IT Officer



ADMIN WING



Col Gazi Md Ahsanuzzaman, G
Director Administration



Col M Mahmudul Hassan
Director Administration
(In-Coming)



Maj Md Abdullah-Al-Mamun, Engrs
DAA & QMG



Maj Kazi Maqsurur Rahman, Sigs
Account Officer



Maj A K M Aurangzeb, Arty
Quarter Master



Mahub Alam
Civil Administration & Admission Officer



Dr. Mahbuba Binte Mannan
Medical Officer



FACULTY OF CE



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

CE DEPT



Col Shah Md Muniruzzaman, psc
Head of the Department



Dr. Alamgir Mujibul Hoque
Sr. Professor



Dr G M Jahid Hasan
Professor



Dr Md Tauhid-Ur-Rahman
Professor



Lt Col Syed Mohammad Tareq, Engrs
Instr CI-A



Lt Col Mohiuddin Ahmed, psc, Engrs
Instr CI-A



Lt Col Md Zillal Hossain, psc, Engrs
Instr CI-A



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



Lt Col Md Moin Uddin, SUP, psc, Engrs
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Lt Col Mohammad Nur Hossain, BSP, psc
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Lt Col Rezaul Karim, psc, Engrs
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Lt Col Mohammad Ziaul Hoque, psc, Engrs
Instr CI-A



Maj Khandaker Sakil Ahmed, PhD, Engrs
Instr CI- B



CE DEPT



Maj Mohammed Rashedul Islam, PhD, Engrs
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Maj Md. Zahidul Islam, PhD, Engrs
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Kamrul Islam
Asst Professor



Capt Muhammad Abdur Rahman
Instr CI- C



Capt H M Imran Kays
Instr CI- C



Capt Sampa Akter
Instr CI- C



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



Capt Muntahith Mehadil Orvin
Instr CI- C



Capt Md Kausar Alam Anik
Instr CI- C



Capt Ahadul Islam
Instr CI- C



Mumtasirun Nahar
Lecturer



Fatema Tuz Johora
Lecturer



A K M Golam Mortuz
Lecturer



Tamanna Jerin
Lecturer



Tahmida Hossain Shimu
Lecturer



Arefin Haque
Lecturer



EWCE DEPT



Col Md Kabirul Islam
Head of the Department



Dr Afzal Ahmed
Professor



Lt Col Farhad Ahmed Chowdhury, Engrs
Instr CI-A



Maj Kazi Shamima Akter, PhD
Instr CI-B



Capt Chowdhury Mohammad
Towfiq Amin
Instr CI-C



Capt Nafiz Ul Ahsan
(Programme Co-ordinator)



Capt Numan-Al-Kibriya
Instr CI- C



Afiya Narzis
Lecturer



PME DEPT



Lt Col Muhammad Romeo Nowreen Khan, psc, Engrs
Head of the Department



Mohammad Amirul Islam
Asst Prof



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



A S Daiyan Ahmed
Lecturer

ARCH DEPT



Brig Gen K M Salzar Hossain, ndc, psc
Head of the Department
(Additional Responsibility)



Shehzad Zahir
Assoc Prof



Sudipti Biswas
Asst Prof



Mustafizur Rahaman
Asst Prof



Capt Md Raisul Mostafa Sojib
Instr CI-C
(Programme Co-ordinator)



Capt Md Manzur Morshed Khan
Instr CI-C



FACULTY OF ECE



Brig Gen Md Shahidul Alam
Dean Faculty of ECE

CSE DEPT



Brig Gen Md Shahidul Alam
Head of the Department
(Additional Responsibility)



Col Nishith Kumar Datta
Sr. Instr
(From Indian Army)



Dr. Md. Mahbubur Rahman
Professor



Lt Col Kazi Abu Taher, psc, te, Sigs
Instr CI-A



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



Lt Col Shehabul Islam, EME
Instr CI-A



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



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



Maj Muhammad Nazrul Islam, Ph.D, Sigs
Instr CI-B



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



Md. Azmal Hossain
Maint Engr



Fahim Hasan Khan
Asst Professor



Capt Md Fazla Elahi, Sigs
Instr CI-C
(Programme Co-ordinator)



CSE DEPT



Capt Md. Mahbubur Rahman
Instr CI- C



Capt Nazmul Hasan
Instr CI- C



Wali Mohammad Abdullah
Lecturer



Sharifa Rania Mahmud
Lecturer



Jannatul Maowa
Lecturer



Chowdhuri Nawrin Ferdous
Lecturer



Tasmiah Tamzid Anannya
Lecturer



Kashfia Sailunaz
Lecturer



Sharmistha Bardhan
Lecturer



Sanjida Nasreen Tumpa
Lecturer



Fariba Khan
Lecturer



EECE DEPT



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



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



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



Maj Md Ali Azam Khan, EME
Instr CI-B



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



Lt Cdr Sayeeda Tahmina Ahmed, BN
Instr CI-B



Maj Hosain Md Abu Nayem PhD
Instr CI-B



Maj Md Aminul Islam, PhD, EME
Instr CI-B



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



Capt Marzuka Ahmed Jumana
Instr CI-C



Capt Tasmia Hasan Saika
Instrs CI- C



Capt Fariha Tabassum
Instrs CI- C



Capt Nargis Akhter
Instrs CI- C



Capt Mohammad Naim Uddin
Instrs CI- C



Capt Md Abdul Wahed
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(Programme Co-ordinator)



Capt Md Sifat Muktadir
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Capt Kazi Newaj Faisal
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Md. Maynul Islam
Lecturer



Toahera Abdullah
Lecturer



Twisha Titirsha
Lecturer



Sunjida Sultana
Lecturer



EECE DEPT



Syeda Sanjidah
Lecturer



Mubdiul Islam Rizu
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K. M. Niaz Reza
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Nasim Ben Zafar
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Rukunuzzaman
Teaching Asst.



FACULTY OF ME



Brig Gen Md Lutfor Rahman
Dean Faculty of ME

ME DEPT



Brig Gen Md Lutfor Rahman
Head of the Department
(Additional Responsibility)



Dr Dipak Kanti Das
Professor



Dr. Md Alamgir Hossain
Professor



Lt Col Golam Saklayen
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Cdr M Enayet Kabir, (E), psc
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Lt Col Abdullah-Al-Mamun, EME
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Lt Col Md Shariful Islam, psc
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Lt Cdr K M R Sadi (E), BN
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Maj Md Faisal Kader, PhD
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Sqn Ldr Mst Mousumi Rizia
Instr CI-B



Mahjabeen Rahman
Asst Prof



Shabnam Konica
Asst Prof



Capt Antara Majumdar
Instr CI-C



ME DEPT



Capt Md. Mahbubur Rahman, EME
Instr CI-C



Capt Mahmudul Hasan
Instr CI-C



Capt Najmus Saquib Sifat
Instr CI-C



Capt Capt Md Anisur Rahman
Instr CI-C



AE DEPT



Gp Capt Md Abdus Salam, psc
Head of the Department



Dr. Taher Ali
Professor



Gp Capt Atul Garg, VSM
Sr. Instr
(From Indian Air Force)



Wg Cdr S A Savanur
Instr CI-A
(From Indian Air Force)



Lt Col A M M Shamsul Alam, EME
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Wg Cdr Saifur Rahman Bakaul, PhD, Engg
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Sqn Ldr Munira Haque, Engg
Instr CI-B



Capt Chowdhury Mohammad
Abid Rahman, Sigs
Instr CI-C
(Programme Co-ordinator)



Capt Md Touhidur Rahman Evan, EME
Instr CI-C



Nusrat Jerin Mimma
Lecturer



Kh. Md. Faisal
Lecturer



Md. Rayhan Afsar
Lecturer



Pracheta Dutta Tumpa
Lecturer



Fairus Sakib Tanzim
Lecturer



Sumaya Ferdous
Lecturer



Md. Tanzimul Hasan Farabi
Lecturer



NAME DEPT



Capt M Munir Hassan, (E), BN
Head of the Department



Capt M Muzibur Rahaman, (E), psc
Sr. Instr



Dr Md Reaz Hasan Khondoker
Professor



Lr Cdr M Golam Mohiuddin, (E), BN
Instr CI-B
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Maj Muhammad Rabiul Islam, PhD, EMB
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Maj Osman Md Amin PhD, Engrs
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Dr S M Ikhtiar Mahmud
Asst Prof



Md. Mezbah Uddin
Asst Prof



Papia Sultana
Lecturer



Mohammad Irfan Uddin
Lecturer



Aevelina Rahman
Lecturer



IPE DEPT



Lt Col Md. Awal Khan, EME
A/ Head of the Department



Md. Rakibul Islam
Lecturer



FACULTY OF NSBME



Col Abu Zafor Mohammad Salahuddin
Dean Faculty of NSBME

NSE DEPT



Maj Md Altab Hossain, PhD
A/ Head of the Department



Dr. Abdus Sattar Mollah
Professor



Capt Ismat Ara
Instr CI-C
(Program Co-ordinator)



Md. Golam Zakir
Lecturer



Md. Shahidullah kaysar
Lecturer



Afrin Ahsan
Lecturer



BME DEPT



Maj Md Ashrafuzzaman, PhD
A/ Head of Department



Maj Md Maruf Hasan, PhD
Instr CI-B
(Programme Co-ordinator)



Arani Azim
Lecturer



SC & HUM DEPT



Lt Col Md Alamgir Hussain, AEC
Head of the Department



Cdr M Ziaul Ahsan, BN
Instr CI-A



Major Kazi Md Ashif Mostafa, AEC
Instr CI-B



Major Mohammad Neaz
Morshed, PhD, AEC
Instr CI-B



Major Brajalal Sinha, PhD, AEC
Instr CI-B



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



Maj Tahmina Sultana, PhD, Engrs
Instr CI-B



Maj Amirul Islam, PhD, Engrs
Instr CI-B



Sqd Ldr Md. Moniruzzaman, BAF
Instr CI-B



Maj Kayesh Mohammad Ashraf, PhD, EME
Instr CI-B



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



Maj Md Mahbubar Rahman Shah, PhD, AEC
Instr CI-B



Maj Md Manwarul Haq, PhD, AEC
Instr CI-B



Maj Md Ferdousur Rahman, PhD, AEC
Instr CI-B



Maj Mohammed Riasat Iftekhar Hossain, AEC
Instr CI-B



Maj Munir Hassan, AEC
Instr CI-B
(Programme Co-ordinator)



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



SC & HUM DEPT



Abdus Sabur
Asst Prof



Masud Jahan
Asst Prof



Gazi Mahmud Alam
Asst Prof



Selin Yesmin
Asst Prof



Capt Nazmul Karim Mazumder, AEC
Instr CI- C



Sajib Kumar Saha
Lecturer

BEST OF THE BESTS





OSMANY MEMORIAL GOLD MEDAL-2015



Syeda Puspita Mouri
Roll No-201216046
CGPA-3.97
EECE-10

MIST MEDAL - 2015



Maj Mohammad Mohiuddin, Engrs
Roll No- 201211008
CGPA-3.94
CE -14



Nipi Paul
Roll No-201214049
CGPA-3.90
CSE -12



Maj Muhammad Rasheduzzaman, Sigs
Roll No-201216003
CGPA-3.97
EECE-10



Md. Nawshad Arslan Islam
Roll No-201218046
CGPA-3.81
ME DEPT



Supriyo Paul
Roll No-201222024
CGPA-3.89
AE-4



COMMANDANT'S LIST - 2015

CIVIL ENGINEERING DEPARTMENT:

Level- 4 (CE - 14)

| Ser | Roll No | Name | CGPA |
|-----|-----------|-------------------------------|------|
| 1. | 201211008 | Maj Mohammad Mohiuddin, Engrs | 3.94 |
| 2. | 201211055 | Tanzila Tabassum | 3.89 |

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

Level- 4 (CSE- 12)

| Ser | Roll No | Name | CGPA |
|-----|-----------|-------------------|------|
| 1. | 201214029 | Anika Binte Islam | 3.83 |
| 2. | 201214058 | Moumita Sarker | 3.85 |

Level- 4 (CSE- 11)

| Ser | Roll No | Name | CGPA |
|-----|-----------|--------------------|------|
| 1. | 201114062 | Sharmistha Bardhan | 3.89 |

ELECTRICAL, ELECTRONIC AND COMMUNICATION ENGINEERING DEPARTMENT:

Level- 4 (EECE-10)

| Ser | Roll No | Name | CGPA |
|-----|-----------|----------------------------------|------|
| 1. | 201216001 | Maj Md Hafiz Al Asad, Sigs | 3.94 |
| 2. | 201216003 | Maj Muhammad Rasheduzzaman ,Sigs | 3.97 |
| 3. | 201216019 | Tanveer Ahmed Siddique | 3.82 |
| 4. | 201216040 | Tasnim Ikra Rahman | 3.93 |
| 5. | 201216046 | Syeda Puspita Mouri | 3.97 |
| 6. | 201216052 | Sakila Alam | 3.87 |
| 7. | 201216063 | Syeda Manjia Tahsien | 3.94 |



COMMANDANT'S LIST - 2015

MECHANICAL ENGINEERING DEPARTMENT:

Level- 4 (ME- 10)

| Ser | Roll No | Name | CGPA |
|-----|-----------|--------------------------|------|
| 1. | 201218046 | Md. Nawshad Arslan Islam | 3.81 |

AERONAUTICAL ENGINEERING DEPARTMENT:

Level- 4 (AE- 4)

| Ser | Roll No | Name | CGPA |
|-----|-----------|---------------------|------|
| 1. | 201222006 | Lt Ariful Islam, BN | 3.83 |
| 2 | 201222019 | Masum Billah | 3.85 |
| 3. | 201222024 | Supriyo Paul | 3.89 |
| 4. | 201222035 | Md Inzamim Khan | 3.81 |
| 5. | 201222045 | Shuvrodeb Barman | 3.84 |



DEAN'S LIST - 2015

CIVIL ENGINEERING DEPARTMENT:

Level- 4 (CE- 14)

| Ser | Roll No | Name | CGPA |
|-----|-----------|-------------------------------|------|
| 1. | 201111001 | Maj Tariqul Hasan, psc, Engrs | 3.71 |
| 2. | 201211014 | Maj Kamrul-Al-Masud, Engrs | 3.73 |
| 3. | 201211053 | Kh Afia Farzana Haque | 3.73 |

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

Level- 4 (CSE- 12)

| Ser | Roll No | Name | CGPA |
|-----|-----------|------------------------|------|
| 1. | 201214013 | Nazia Hossain | 3.72 |
| 2. | 201214026 | Minhajul Arifin Badhon | 3.79 |
| 3. | 201214027 | Rubyeat Islam | 3.77 |
| 4. | 201214057 | Najia Manjur | 3.76 |
| 5. | 201214060 | Esrat Farjana Rupu | 3.72 |

ELECTRICAL, ELECTRONIC AND COMMUNICATION ENGINEERING DEPARTMENT:

Level- 4 (EECE-10)

| Ser | Roll No | Name | CGPA |
|-----|-----------|---------------------|------|
| 1. | 201216021 | Sushmita Joardar | 3.79 |
| 2. | 201216032 | Maisha Mesbah | 3.79 |
| 3. | 201216033 | Fairuz Samiha Saeed | 3.75 |
| 4. | 201216047 | Nowshin Jahan | 3.72 |
| 5. | 201216057 | Nishat Tasnim Liza | 3.75 |



DEAN'S LIST - 2015

MECHANICAL ENGINEERING DEPARTMENT:

Level- 4 (ME- 10)

| Ser | Roll No | Name | CGPA |
|-----|-----------|-----------------|------|
| 1. | 201218011 | Sanzida Hossain | 3.70 |

AERONAUTICAL ENGINEERING DEPARTMENT:

Level- 4 (AE- 4)

| Ser | Roll No | Name | CGPA |
|-----|-----------|-----------------|------|
| 1. | 201222055 | Mahbuba Ferdous | 3.74 |

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CE DEPT



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Maj Sheikh Rahmat Elahi



Maj Abdullah Al-Moeen



Maj Md Liaquat Hossain Molla



Maj Muhammad Anwar-Ul-Sadat



Maj Md Monjurul Hasan



Maj Mohammad Mohiuddin



Maj Md Ishtiaque Al-Azam



Maj Rokibul Hasan



Maj Mohammad Khurshid Anwar



Maj Kazi Saifuddin Ahamed



Maj Mossammat Sultana Razia



Maj Md. Kamrul-Al-Masud



Maj Md Kamrul Haque



Maj A S M Zafor Sadique



Maj Md Badrul Ahsan Khan



Maj Kazi Mahtab Uddin Ahmed



Maj Khaled Md Saiful Islam



Maj Gazi Abdullah Al-Razi



Maj Mohammad Ali



Maj Mirza Md Lutful Habib,



Maj Md Nahid Hossain



Maj Md Afzal Hossain



Maj Ferdousi Kashan



Maj Mst Nashreen Mustary



CE DEPT



Maj Tariqul Hasan



Maj Md Moinul Islam



Maj Md Iftekharul Harees



Md. Mohinul Islam



Muhd. Sajidur Rahman



Md Naim Hossain



Ireen Akter



Nilufar Chowdhury



Mahfuza Khanum



Khadiza Binte Jalal



Iffat Afreen



A K M Hasanur Rahman



Mohd Mizanur Rahman



Md. Ashiqur Rahman



Washi Binte Wohab Onnesha



Rifat Jabin Priti



Nusrat Jahan Antora



Maksuda Akter



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M Samiul Haq



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Flg Offr Tarin Ahmed Zaman



M Shahriar Khan



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Md. Tanvir Islam Saad



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EECE DEPT



Maj Md Hafiz Al Asad



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Published by
Research and Development Wing
Military Institute of Science and Technology
Mirpur Cantonment, Dhaka-1216

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