



# MIST newsletter

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## 12TH GRADUATION CEREMONY



The 12th Graduation Ceremony of MIST was held on 18 Mar 2014 at Mirpur Hall. Education Minister Mr. Nurul Islam Nahid, MP graced the occasion as the Chief Guest. The Minister handed over Graduation Certificates to 319 students of five engineering depts. Commandant MIST, Maj Gen Md Siddiqur Rahman Sarker presided over the ceremony. Chiefs of three services, parliament members, high commissioners, ambassadors, secretaries of different ministries, Vice Chancellors of different universities, high civil and military officials and academicians were also present in the ceremony.

Lt Md Muzahidul Islam of EECE-8 was awarded with the Osmany Memorial Gold Medal for his best academic performance. Maj Mohammad Badrul Haque of CE-12, Rishath Sabrin of CE-12, Maj Mohammad Faisal of CSE-10, Capt Nur Md Atiquzzaman of EECE-8, Al Amin of ME-8 and Md Imtiaz Ikram of AE-2 were awarded with 'MIST Medal' for best results in their depts.

## CERTIFICATE COURSE ON PROFESSIONAL GIS



A 4-week 'Certificate Course on Professional GIS' was conducted by CE Dept. Aim of the course was to enable students to store, retrieve, manage, display and analyze all types of geographical and spatial data. It would help them to produce maps and other graphical display of geographic information for analysis and presentation. Total 14 candidates from military and 11 candidates from BAPEX, Chittagong University, Survey of Bangladesh and other institutes attended the course. Certificates among successful students were distributed on 27 April 2014. Lt Gen Anwar Hussain, QMG, Bangladesh Army graced the occasion as the Chief Guest. High civil and military officials were also present in the ceremony.



## MICROCONTROLLER-BASED EMBEDDED SYSTEM DESIGN COURSE



A 4-week 'Microcontroller-Based Embedded System Design Course' was conducted jointly by EECE Dept, MIST and Pi Labs Bangladesh Ltd, a sister concern of Onnorokom Group. Total 30 Students from different depts of MIST attended the course. Certificates among successful students were distributed on 22 Jan 2014. Commandant MIST Maj Gen Siddiqur Rahman Sarker, Chairman Onnorokom Group Mr. Mahmudul Hasan Sohag were present alongwith other guests and participants in the certificate awarding ceremony.

## WORKSHOP ON SEISMIC PERFORMANCE ASSESSMENT AND DESIGN OF STRUCTURES



A daylong workshop on 'Seismic Performance Assessment and Design of Structures' was held on 19 Apr 2014 at MIST. Dr. Sharia Alam a faculty from University of British Columbia, Canada was the resource person in the workshop. The workshop covered topics like seismic performance assessment and design of structures, earthquake ground motion characteristics, code procedures for earthquake resistance structures, seismic performance evaluation using computer modeling etc. All faculties of CE Dept, students of Level-3 and Level-4 participated in the workshop.

## SIGNING OF MOU BETWEEN MIST AND IIT JAHANGIRNAGAR UNIVERSITY

A MoU was signed in MIST between EECE Dept, MIST and Institute of Information Technology (IIT), Jahangirnagar University (JU) on 13 Jan 2014. Under this MoU both parties will share information about scientific and technical researchability, engage in collaborative researches and work together to organize academic and scientific events. Head EECE Dept of MIST, Capt M Mahbubur Rahman, BN and head IIT Dept Mr Fazlul Haque Patwary of JU signed the MoU.





### SEMINAR ON 'CLOUD TECHNOLOGIES – A NEW DIMENSION IN COMPUTING'



A seminar on 'Cloud Technologies–A New Dimension in Computing' was held on 17 Feb 2014 at MIST. Engr Shah Rahman, Founder & CEO, Servicely, Silicon Valley, USA, Mr Mohammad Mahdee-Uz-Zaman, Senior IT & Business Transformation Specialist, Virtustream, Inc, New York, USA and Gp Capt Md Afzal Hossain, Head Computer Science and Engineering (CSE) Dept, MIST presented their papers in the seminar. Prof. Dr. Mohammad Farashuddin, Vice Chancellor of East West University and former Governor of Bangladesh Bank graced the occasion as the Chief Guest. Maj Gen Sheikh Mamun Khaled, VC BUP was present in the seminar as Special Guest.

### SEMINAR ON 'PAST, PRESENT AND FUTURE TRENDS OF AUTOMOBILES'



A seminar on 'Past, Present and Future Trends of Automobiles' was held at MIST on 27 Mar 2014. Prof. Dr. M. Imtiaz Hossain, VC Islamic University of Technology (IUT) graced the occasion as the Chief Guest. Professor Dr. Md. Zahurul Haq, Head, Dept of Mechanical Engineering, BUET was present as the Special Guest. Professor Dr. Maglub Al Nur, Dept of Mechanical Engineering, BUET presented his paper as keynote speaker. He focused about the past, present and future trends of automobiles and challenges due to technological development in automobile sector. Faculties and students of MIST were present in the seminar.



### ICEEICT-2014 AT MIST



Dept of Electrical, Electronic and Communication Engineering (EECE) of MIST and Institute of Information Technology of Jahangirnagar University, Savar organized a three-day long (10 to 12 Apr 2014) international conference on Electrical Engineering and Information and Communication Technology (ICEEICT-2014) at MIST campus. The event was attended by more than 400 delegates from home and abroad. Renowned academicians, professors, researchers, students attended the conference. Chairman UGC, Chief of Army Staff, Chief of Naval Staff, Chief of Air Staff, VCs and professors of different universities, high ranking civil and military officials were present in the inauguration ceremony.

### BDJOBS.COM CAMPUS CAREER FESTIVAL-2014

MIST organized bdjobs.com Campus Career Festival-2014 on 26 to 27 Feb 2014. Commandant MIST, Maj Gen Md Siddiqur Rahman Sarker Inaugurated the festival. MIST students got an opportunity to incorporate themselves with the job market. It would definitely boost-up their impetus of practical learning. Graduates of 2013 and Level-4 Students of MIST participated in the fair. 20 different reputable companies of our country participated in the festival. On the first day, CV of MIST graduates and final level students were collected. On the second day, interviews were taken by the companies. The festival was sponsored by bdjobs.com Ltd.



### EDUCATIONAL COLLABORATION EFFORT WITH UK UNIVERSITIES



A four-member delegation led by Maj Gen Md Siddiqur Rahman Sarker, Commandant MIST, visited Defence Academy, Cranfield University and City University London of United Kingdom from 22 to 27 Jun 2014. Educational collaboration efforts were taken with those universities with a view to exchange students and facilities. Education related agreements were signed among MIST and those universities of UK.

### INTERNATIONAL COLLABORATION BETWEEN MIST AND UNIVERSITIES AT MALAYSIA



A five-member delegation team of MIST headed by Colonel Md Shameem Ahsan Jaglul visited International Islamic University Malaysia (IIUM), University Technology Malaysia (UTM), University Kebangsaan Malaysia (UKM) and University Technology Mara, Malaysia (UITM) from 19-26 May 2014. During the visit draft Memorandum of Understanding (MoU) were signed between MIST and IIUM. Signing of Letter of Intend (LoI) with other universities are under process.



### THE MIST DEVELOPED ROVER - ON THE WAY TO THE MARS



The MIST University Rover Challenge-2014 (URC 2014) team 'Mongol Barota' comprising four faculties and eleven students of Computer Science and Engineering Dept of MIST led by Dean MIST, Brig Gen Habibur Rahman Kamal participated in URC 2014 arranged by the MARS Society, USA. MIST team displayed excellent performance with their innovated rover (robot) during the competition amongst all participating teams. They achieved 12th position out of 31 registered university robotics teams from across the globe (four continents, six countries). The competition was held at the Mars Desert Research Station (MDRS) near Hanksville, Utah, USA from 26 to 31 May 2014.

### SAE AERO-DESIGN COMPETITION-2014, USA



Two teams named 'MIST Aero Thunder Green' and 'MIST Aero Thunder Red' from Aeronautical Engineering Dept participated in Society of Automotive Engineers (SAE) Aero Design Competition in Texas and Georgia, USA in March and April 2014. Renowned Universities from countries like USA, Canada, Turkey, Poland, India and Brazil participated in these competitions. MIST Green Team secured 4th position in payload category among 33 teams by lifting 890 grams of payload with the designed unmanned air vehicle (UAV) that had 453 grams self-weight. MIST Red team secured 5th position in oral presentation, 5th position in design report and 7th position in payload fraction. This was only second appearance of MIST in this competition and these have already started putting their footprints in most advanced aero-design competitions.



## AIAA FOUNDATION DESIGN/BULID/FLY COMPETITION-2014



A team from Aeronautical Engineering (AE) Dept named MIST Dreamers' Fin participated in American Institute of Aeronautics and Astronautics (AIAA) Design / Build / Fly (DBF) competition in USA from 11 to 13 April 2014. The team successfully designed and fabricated an unmanned air vehicle (UAV) meeting the given requirements, which flew successfully in the US sky.

## INTERNATIONAL ELECTRIC SOLAR VEHICLE CHAMPIONSHIP-2014

A Team of eight students from Mechanical Engineering (ME) Dept and Electrical Electronic and Communication Engineering (EECE) Dept of MIST participated in 'International Electric Solar Vehicle Championship-2014' in India. The event was organized by Robotics and Intelligent System Community (RISC), Lovely Professional University in Panjab, India from 28 to 30 Mar 2014. MIST team fabricated a car (MIST Sun-Rush) which can run at 35kph using 450 watts of solar power. The team secured 27<sup>th</sup> position among 136 teams.



## INTER-DEPT ATHLETICS COMPETITION-2014



Athletics Competition was held from 30 Mar to 3 Apr 2014. Participants from all depts 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. Capt Shakhawat Hossain (ME Dept) and Rifah Nanjiba (CSE Dept) became the best male and female athlete respectively. Civil Engineering (CE) Dept became the champion among six depts.