

ASSOCIATION NEWS

Activities of The Association of Engineers, India during January–June, 2016

The Association of Engineers, India has in this year an addition of three Corporate Members. The Association publishes its Journal regularly. During January–June, 2016, important activities of the Association are briefed as follows.

A. Details of regular courses that were conducted by the Association during last six months are given below:

- The course on 'Advanced Diploma in Industrial Safety' is being continued with 28 students affiliated to West Bengal State Council of Technical Education.
- After completion of the Ordinary, 'O', Level of the course on 'Construction Supervisor' affiliated to the West Bengal State Council of Technical Education, an advanced course is being conducted by the Association.

Sapoorjee Palanji and others conducted Campus Interviews at the Training Centre of the Association at Salt Lake City, Kolkata to appoint students of the above-mentioned courses.

B. Plant Visits by the Students

Plant Visit by the Semester II students of Advanced Diploma in Industrial Safety was arranged on June 4, 2016 and June 17 2016. On 4/6/2016; students visited Mourigram Terminal of Indian Oil Corporation (Marketing Division), Mourigram, Howrah from 11 am to 4.30 pm. The second visit was conducted on 17/6/2016 at Garden Reach Shipbuilders and Engineers Ltd., Kolkata from 1 pm to 5 pm. Teachers from the Association accompanied with the students.

C. Events on Rain Water Harvesting

Since 2007, The Association of Engineers, India is contemplating to spread the practice of rainwater harvesting among people as there is imminent problem of scarcity of potable water. In this direction, one day seminars, one/two days training programmes, mass awareness programmes, etc. are being organized regularly.

- The Association of Engineers, India has arranged discussion sessions on Rainwater Harvesting on the Second Sunday of every month from 10.30 to 11.30 am at its Training Centre at IA-11, Salt Lake, Sector-III, Kolkata- 700097 (Near Tank No. 13). Rainwater harvesting installation at the AEI is demonstrated to participants. They are shown the way how easily this system can be implemented at any place. Experts from the AEI discuss various issues related to erecting rainwater harvesting system and also demonstrate some experiments regarding water quality.
- TV channel, Radio and local Newspapers are being involved to broadcast/ publish the need of rainwater harvesting. The matter is being publicized through Facebook, LinkedIn, etc.

Through the Journal of the Association of Engineers, India, the idea of rainwater harvesting is also tried to propagate to its readers.

- The President, Prof. Madhusudan Bhattacharjee, along with 4 others from the AEI visited Haldia Doc Complex, Haldia on September 15 2015 at the request of Mr. M.K. Acharya, Senior Dy General Manager, for installation of Rain Water Harvesting for use of water in cooking at their centre at Chiranjeebpur Administrative Building.
- On April 11 2016, Lectures were delivered by Er. S.K. Nag and C. Haldar on Rain Water Harvesting at Brainware Group of Institutions, Barasat, 24 Parganas (North), West Bengal.
- It may please be mentioned that Er. Samir Kumar Nag has recently published a Cover story in the 'Business Economics' in its May 01-15 2016 issue in page number 32 on 'The Sparkling Water of the Skies'. Er. Nag, the Principal of the Training Centre of the Association, has been interviewed by Mr. Saptarshi Deb. Mr. Deb narrated how Er. Nag collects and stores rain water at his own house at Bidhannagar, Kolkata and consumes this water round the year. This method is to be adopted and spread out widely to restrict the use of underground water so that depletion of water table can be suppressed a lot, and also to save people from arsenic pollution.

D. Activity of the President

The President of the AEI, Prof. Dr. Madhusudan Bhattacharyya chaired a Session on Mechanical Engineering at the International Conference on Emerging Trends in Informatics and Communication organized by Brainware Group of Institution, Barasat, Kolkata on 20/02/2016.

Dr. Madhusudan Bhattacharyya, Ex-Professor & Head of ME Dept, Jadavpur University was the Chief Guest of All India Seminar on Bearing Technology held on December 4 & 5, 2015 organized by The Institution of Engineers (India), WB State Centre Mech. Engg. Divn. He thanked the organizers for inviting him to the seminar. He then extemporized a one hour talk on "De-stressing of the distressed Angel."

The feature of the Angel (weight 3.5 mt) atop the Victoria Memorial Hall, how it is placed on 56 m high dome by ball bearings in two vertical locations were explained by line diagrams on board. Earthing of the axle is vital as otherwise very high current due to lightning striking the Angel will cause spot welding of balls with the races. The 4.5 mt axle Angel combine was stopped from its weather-cock-functioning in 1984 & 1999; each time the earthing circuit was tampered; in 1999 in addition, white cement-marble dust-iron powder mix slurry was poured into the top bearing housing through an hole drilled on one foot of the Angel resulting in concrete cover of the bearing housing.

In Professor Bhattacharyya's word, we had to have two marble slabs of the dome removed temporarily to get access to the top bearings.

The Archaeological Survey of India took more than 14 months to do that one-day-job. To find out separate identity of the components it took about 3/4 days of chisel work. The fasteners of the

top gland was missing, tapped for
[Redacted]

[Redacted]

direction.

[Redacted]

[Redacted]

published by IN
(2012)

E. Seminar Arranged

[Redacted]

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F. Workshop Organized

[Redacted]

G. Digitization and Abstracting of Articles Published in the Journal of the Association of Engineers, India

Based on the Agreement made recently, M/s. Informatics Publishing Limited, Bangalore is going to start the work for Digitization of the published articles in the Journal of the Association of Engineers, India, extraction of Metadata, assigning DOI number article, providing Abstracting service, and marketing of the journal on revenue sharing basis.

H. Launching Association Website

The new website of the Association is www.aeindia.org.in and it is being updated gradually. Contents of the Journal of the Association of Engineers, India are being uploaded in the website. Detail of different short courses, custom-made training programmes, workshops and lecture seminars are also put up in the website. Invitation to different meetings may also be found out in the website.

Honorary Secretary

NEW ENROLMENT

Sl. No.	Name	Grade	Date of Election
1.	Sanat Kumar Das	LM	21.5.2016
2.	Suman Saha	LAM	21.5.2016
3.	Sourav Ghosh	LF	18.6.2016

Dear Members,

Should you desire to conduct a programme on behalf of us, contact us with details.

Please lend your valued assistance in advertisement-collection for our ACCREDITED Journal.

Your suggestion for improvement of our activities are welcome.

Please induct one new member; members are our assets.

Sincerely yours



President

13-07-16