Department of Chemical Engineering
Aligarh Muslim University, Aligarh

ALCHEMY
Newsletter 2010-2011
MESSAGE FROM THE CHAIRMAN

It is matter of pleasure to note that the B. Tech. (Chemical Engineering) students are bringing the NEWSLETTER. This will help all the students to develop their innovative ideas, and creative skills. I hope this will provide the students the reasonable platform to participate and contribute towards their objectives of professional course. This will also enable them to inculcate the much needed ‘qualities’ to work in a group, which is the culture in any corporate sector, in their future to come. This endeavor must include information about what is going on in the technological world around us. The participation of students at B.Tech. level in International/National Seminars/Workshops is a step to be appreciated. I believe the effort made by our students will certainly benefit them in enhancing their personality development. In the fast changing/competitive world, everyone has to keep updated. So, it is a continuous process. It must go on a regular basis.

I wish all the concerned a very good success in this regard.

August, 2011

Dr. M. Idrees
Professor and Chairman

MESSAGE FROM THE EDITOR

I am very thankful to the teachers of the Department of Chemical Engineering who entrusted me with the responsibility of the Editor of Newsletter of the department. In the present newsletter, I have tried to pen down the activities that were organized by the Department of Chemical Engineering along with the events that were held in ZHCET including conferences, workshop and seminar. Information related to the placement of students of the department has also been mentioned.

I hope that this Newsletter will be a great success.

Faizan Ahmad
B.Tech. Final Year
In the session 2010-2011, the department of Chemical Engineering organized an educational tour to India Glycols Limited in Kashipur Uttrakhand. The students of B.Tech third year and final year were actively involved in this trip. Some of the final year students who benefited with this tour are Sameer Ahmad khan, Kaushal Kumar, Zubia Akmal and many others. It was a wonderful opportunity for students to experience the mechanics of a chemical company. Many of their doubts were cleared and their knowledge about chemical products was enriched. *INDIA GLYGOLS LIMITED* is a reputed company which produces more than 250 chemical products. It has state of art Air Separation Unit. It also produces Ethylene Oxide and Its derivative; it is the first and only company which uses agriculture resources to produce these chemicals.
The students of Chemical Engineering Department participated in the Polyurethane Exhibition and Conference which was held from 9th-11th March 2011 at India Expo Centre Greater Noida, New Delhi. The Exhibition was a unique experience for students who were exposed to many companies from different corners of the world which do business in polyurethane and its related products. The students also got hold of the opportunity to interact with the delegates who welcomed the questions of the students and were pleased to clarify their doubts. The delegates also obliged the students by a brief photo session. Some of the final year students who were part of this conference are Faizan Ahmad, Sameer Ahmad Khan, Zuhaib Khan, Fasiha Khan, Aashish Gupta and many others.
The B.Tech final year students of the Chemical Engineering Department celebrated their last day in the department with fun and festivities. All the final year students were clad in white T-shirt which had their group photo imprinted on it. The students were happy on becoming chemical engineer’s but at the same time they were unhappy to leave their department and teacher’s. The teachers also participated in this celebration by wishing the students good luck for their bright future.
PLACEMENTS

LIST OF SELECTED STUDENTS - 2011 BATCH

PLACED THROUGH CAMPUS PLACEMENT.

<table>
<thead>
<tr>
<th>S.N o</th>
<th>Name of the Candidates</th>
<th>Degree</th>
<th>Name of the Companies</th>
<th>Degree Specialization</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mohammad Khalid</td>
<td>B.Tech</td>
<td>M/s. Accenture - Bangalore</td>
<td>Chemical</td>
</tr>
<tr>
<td>2</td>
<td>Sana Khalid</td>
<td>B.Tech</td>
<td>M/s. Accenture - Bangalore</td>
<td>Chemical</td>
</tr>
<tr>
<td>3</td>
<td>Ashish Gupta</td>
<td>B.Tech</td>
<td>M/s. Lupin Limited – Mandideep (Rajasthan)</td>
<td>Chemical</td>
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<tr>
<td>4</td>
<td>Kunal</td>
<td>B.Tech</td>
<td>M/s. Lupin Limited – Mandideep (Rajasthan)</td>
<td>Chemical</td>
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<td>5</td>
<td>Avesh Bansal</td>
<td>B.Tech</td>
<td>M/s. Tata Consultancy - Delhi</td>
<td>Chemical</td>
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<tr>
<td>6</td>
<td>Mohd Ahmer Raza</td>
<td>B.Tech</td>
<td>M/s. Tata Consultancy - Delhi</td>
<td>Chemical</td>
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<tr>
<td>7</td>
<td>Sana Khan</td>
<td>B.Tech</td>
<td>M/s. Tata Consultancy - Delhi</td>
<td>Chemical</td>
</tr>
<tr>
<td>8</td>
<td>Sayeed Iqbal Ahmed</td>
<td>B.Tech</td>
<td>M/s. Tata Consultancy - Delhi</td>
<td>Chemical</td>
</tr>
</tbody>
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INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES

An International Conference on “Emerging Technologies for Sustainable Environment” was organized by Department of Civil Engineering in collaboration with La Sierra University, USA and Asia Pacific University, Thailand and Co-sponsored by All India Council for Technical Education and the Ministry of Water Resources, New Delhi.

This is the second time that the international conference was organized by the department of Civil Engineering, Aligarh Muslim University in continuation with the first international conference organized in 2009. About 200 full-length papers and abstracts were received for the conference.

About 250 national and international delegates attended the conference. Delegates from USA, Canada, France, Japan, Malaysia, Thailand, Iran, Saudi Arabia and almost all the I.I.T.s’, N.I.T’s and other research and academic institutes of repute participated in the conference and presented their papers. Thirteen technical sessions consisting of oral and poster presentations were conducted during the two days of conference. The research papers were presented in two parallel oral sessions and one poster session.

The inaugural function was presided over by Prof. S.M.A. Rizvi, Dean Faculty of Engineering and Technology. The Chairman, Department of Civil Engineering, Prof. Razaullah Khan, Organizing Secretary, Dr. I. H. Farooqi, Prof. Ashok Kumar, University of Toledo, USA, Prof. John Perumal, University of La Sierriea, USA, Prof. Ekram Husain, Principal Z. H. College of Engineering & Technology and Prof. Pervez Mustajab, Controller of Examination, AMU spoke on different aspects of environmental engineering. The program was conducted by Mr. Arshad Hussain, University Polytechnic. The proceedings of the conference were also released by the chief guest on this occasion.

**NPIU Grants 10 Crores to AMU Engineering College**

30 July 2011
Prof. Ekram Husain, Principal, Z. H. College of Engineering and Technology said that the National Steering Committee of National Project Implementation Unit (A unit of MHRD) has approved the Z. H. College of Engineering and Technology proposal and has recommended a grant of about Rs. 100 million. The Z. H. College of Engineering and Technology submitted a proposal under the Technical Education quality Improvement Program-II (TEQIP-II) to National Project Implementation Unit. The submitted project included details of Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis along with Training Needs Analysis of not only the teaching but the entire staff of the College.

Prof. Husain said that the sanctioned amount of money will be utilized for augmenting the infrastructure with main focus of TEQIP-II is on improving learning outcomes and producing high quality Engineers with better employability. The project known as TEQIP-II, intends to impart Pedagogical Training to faculty for making teaching effective and will cover maximum faculty members of institutions. The project will also provide support to post graduate studies and facilitate demand driven research and development, he added.

The specific thrust of the Project will be on implementation of academic and non-academic reforms for self-conceived development programmes with focus on quality and relevance, greater institutional autonomy along with accountability, research and equity.

The detailed proposal was prepared by Prof. Arif Suhail, Prof. A Anwar, Dr. Omar Farooq, Dr. Abid Ali Khan, Dr. Asfar Ali Khan, Mr. Faisal Ahsan under the stewardship of Prof. S. M. A. Rizvi, Dean, Faculty of Engineering, Prof. Ekram Husain, Principal, Z. H. College of Engineering and Technology.

The Vice Chancellor of the University Prof P K Abdul Azis has taken keen interest in the preparation of the project proposal and his intervention contributed significantly to make the project more meaningful.

The Z. H. College of Engineering and Technology has once again grabbed a distinct place among thousands of engineering institutions across the nation. The prestigious Rs. 100 million national project was awarded to the University Engineering College for initiating qualitative technical progress in its system of teaching and training.

**Workshop on LabVIEW Applications in Mechatronics (LAM-2011)**

**Organized at ZHCET, AMU**

07 April 2011

A Workshop on LabVIEW Applications in Mechatronics (LAM-2011) was by the Ergonomics Research Division of Mechanical Engineering Department, Zakir Husain College of Engineering and Technology (ZHCET), Aligarh Muslim University.

The Dean, Faculty of Engineering & Technology, Professor S.M.A. Rizvi inaugurated the programme and delivered a welcome speech. The resource person, Mr. Karun Jain, National Instruments, India delivered a lecture on the National Instruments and the LabVIEW
applications in various engineering domains and enriched the participants with his knowledge.

The Coordinator of workshop, Prof. M. Muzammil presented an introduction of the workshop. The principal of ZHCET, Prof. Ekram Husain, while welcoming the guests, explained the significance of the workshop.

The workshop was attended by 70 participants with different engineering orientation. Organizing Secretary, Dr. Abid Ali Khan proposed the vote of thanks.

**ANNUAL COLLEGE FEST "ZARF’11" AT ZAKIR HUSAIN COLLEGE OF ENGINEERING AND TECHNOLOGY AMU**

12 March 2011

Zakir Husain College of Engineering and Technology, Aligarh Muslim University is organizing its annual college fest "ZARF’11", starting from March 13, 2011. The 3-day event shall witness the confluence of talent and participation of a humongous number of students. ZARF’11 is a plethora of events ranging from traditional literary events like debate and general-quiz to innovative technical events like ‘Bluetooth Treasure hunt’ and ‘Crazy Science’. The showstopper events of ZARF’11 include ‘Rock Show’ and ‘Vector Supernova’, the theme walk.

Events like Coding-Frenzy and Robo-Line-Follower will test the technological mettle of the participants. Euphoria will rule the stage with events like Face-Off, 4-Estates and Street-Speech.

ZARF’11 will also be organizing workshops on ‘Boomerang-Designing’ and ‘Water-Rocket’. The creative and literary skills of the participants would also be showcased in ‘Suicide-Note’ and ‘7aat Khoon Maaf’.

The USP of ZARF’11 would be the amalgamation of unique cultural identity of AMU with the transcending technological developments of ZHCET.
Photos from ZARF 2011

EDITOR
FAIZAN AHMAD

CO-EDITOR
SAMEER AHMAD KHAN