



Universiti Tenaga Nasional

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**THE
DEPARTMENT OF
CIVIL
ENGINEERING**

**MONTHLY
REPORT**

JUNE 2009

Prepared by,
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Activity	: Civil Engineering Annual Program Review
Date	: 2 nd – 3 rd June 2009
Venue	: Titan 6, 1 st Floor, Residence Hotel, Universiti Tenaga Nasional
Organizer	: Civil Engineering Department, Universiti Tenaga Nasional.

Civil Engineering Annual Program Review (CE APR) was held on 2nd June to 3rd June 2009 at Residence Hotel, and it was attended by all CE Lecturers and Technicians. The main objectives of APR are to assure that the faculty and administration provide high quality, professional, graduate and undergraduate programs for students and also to identify opportunities for improvement in each program. CE APR was officiated by the Dean, College of Engineering UNITEN, Prof. Dr Hj. Mohd Zamri Yusoff and as part of the agenda he also presented on “UNITEN & COE: The Way Forward”. The agenda continued with the presentation by the Head of Department, AP Dr. Ir. Kamal Nasharuddin Mustapha, on the overview of CE APR, Strategic Plan and EAC –CQI Plan of CE Department. HOD also in his presentation, welcomed all the lecturers and technicians to the CE APR., besides HOD reviewed CE staffs planning to pursue PhD, Industrial Attachment and Sabbatical leave. Next session continued after the tea break, with the presentation on CO-PO Attainment by AP Dr Ir Lariyah Mohd Sidek. AP Dr. Ir Lariyah started the presentation with the Importance of Outcome Base Education, as the way to improve the program, followed by Program Educational Objectives (PEO), Programme Outcome (PO) and Course Outcome (CO). In the evening, session with stakeholders started, and the guests invited were CE Dept Alumni. They were from various batches, from year 2000 to 2009. In the Alumni session, the matters discussed were the key contributor towards the successful in their carrier and matters regarding facilities and students affair. The session finished at 5.00pm and all the staffs were invited for light refreshment.

CE APR second day started with the break up session into unit. And all the staffs will discussed on the matters pertaining to their unit, Structural Engineering and Materials Unit, Water & Environmental Engineering Unit, Geotechnical & Highway Engineering Unit. After the tea break, the 2nd session with the stakeholders continues, and the guests invited were the CE Adjunct Professor, Prof Dr. Ir. Sabri Abdullah and Prof Ir. Dr. Gue See Sew. Matters arising were based on the comment during the previous Adjunct Professor Meeting. The next session continues with the presentation from Deputy Dean COE AP Dr Izham Dato’ Zainal Abidin on Bloom’s Taxonomy and & Assessment Concept. The presentation was very interesting as it emphasized on the fundamental of assessing students. The next session continued with the presentation by Heads of Unit. All the HoUs presented on the work load distribution for the coming semester. Just after the presentation by the HoUs completed, the session continued with the presentation regarding Lab matters by Mr Sivadass Thiruchelvam. Mr Sivadass introduced the new structure for the CE Laboratory as well as the computer lab. Apart from that, Mr

Sivadass emphasized on the safety in lab in as an early precautions before any accidents occurred. In his presentation he mentioned on the latest incident in UIA and UTHM. R&D and Publication presentation was given by Dr. Ir. Marlinda Abd Malek. Dr Marlinda presented on the CE Department ongoing research projects which consist of external and internal research grants. Dr Marlinda also encouraged all the CE staffs to involve in research and publication; hence it can increase the number of publications in COE. The last session of presentation was regarding students' activities, which has been presented by Mr. Shuhairy. Mr Shuhairy shared with all CE Staffs the slideshow presentations regarding students past achievements and activities conducted for the past 2 years. At the end of APR, HOD congratulated all the committee members for the hard works to ensure CE APR run smoothly.







Activity : Half Day ESTEEM Technical Talk
Title : Reinforced concrete design of Curve beam, Torsion, Footing, Pile cap & slab (using moment coefficient methods & Finite elements) integrated in the ESTEEM 7 software
Date : Wednesday, 10th June 2009
Venue : CE computer Lab, College of engineering, UNITEN
Organizer : Civil Engineering Department, Universiti Tenaga Nasional.
Speaker : Ir. John Tiong, Esteem Innovation Sdn. Bhd.

ESTEEM 7 Integrated Total Solution is now a completely brand new application with numerous fascinated breakthrough and feature improvements. Bundled with amazing technological innovations, ESTEEM 7 comes with significant increase performance, productivity and user-friendliness. The application now has a completely new, more user friendly interface for maximized user-experience.

ESTEEM technical talk on Reinforced Concrete Building Design by using ESTEEM 7 was mainly to introduce the new developed software on the finite element method, auto support, roofline slab load take-off method, column design, shear checking for foundation design, CAD drawing import, flat slab, rigid zone and punching shear design. The talk was attended by Structural & Materials Unit members and also some of the lecturers and technical staff form UPM and KLIUC.



Activity : ASEAN Build & Break Competition Meeting

Date : Thursday, 4th June 2009

Time : 4.00pm – 5.30pm

Venue : EAC Meeting Room

Organizer : Universiti Tenaga Nasional

Agenda

1. Opening remarks by the Chairman

Chairman welcomed all committee members from IStrucE and UNITEN and thanks them for their kind support and commitment shown to ensure smooth implementation of the Build-and-Break Competition.

2. Endorsement of Previous Minutes and Matters Arising

All the committee members endorsed the previous minutes

3. Reports and Updates from IStructE

Prof. Dr. Ir. Sabri updated on the distribution of flyers to all universities involved in Build & Break 2009. There will be 29 universities invited and as for now, some of the universities have shown their interest to participate in the competition. IStructE team members also agreed to

4. Reports and Updates from UNITEN

The matters discussed were on the game hour and judging session schedule. UNITEN committee members also presented the updates on the logistical part, whereby PPH will updates on the layout of Dewan Sri Sarjana subject to the confirmation from participating universities.

Activity : **Dr Ahmed Hussein Birima**

Unit : Water and Environmental Engineering Unit

Date of Appointment: 10 June 2009

Civil Engineering Department would like to welcome Dr Ahmed Hussein Birima to the department. At the initial stage, Dr Ahmed will work on part-time basis until his appointment on contract basis is confirmed. Dr Ahmed's room will be in BN-3-014 and he can be reached at 012-6908405 and extension 2243.

Dr Ahmed Hussein Birima's qualifications:

- Ph.D. in Sanitary and Environmental Engineering, Faculty of Engineering, Univrsiti Putra Malaysia, Malaysia, October 2008.
The research topic titled "*Performance of Membrane Bioreactor in Treating High Strength Municipal Wastewater*"
- M.Ss. in Civil Engineering, Faculty of Engineering, Univrsiti Putra Malaysia, Malaysia, October 2001.
- The research topic titled "*Pilot Plant Studies Using Moringa Olifera (Kacang Kelor) Seeds as a Primary Coagulant in Surface Water Treatment*".
- B.Sc. in Civil Engineering, Faculty of Engineering, Al-Fatih University, Libya.

Welcome on board Dr Ahmed. Let us all work together to take CE Dept, COE and UNITEN to greater heights.



Activity : ASEAN Build & Break Competition Meeting

Date : Tuesday, 30th June 2009

Time : 3.00pm – 4.30pm

Venue : EAC Meeting Room

Organizer : Universiti Tenaga Nasional

Agenda

1. Opening Remarks by Chairman

- Chairman welcomed all the committee members from UNITEN, IStrucE and MOHE as the invited guests.
- Chairman announced that MOHE has already sponsored RM50,000 for the competition, eventually taken this program as part of critical thinking development and enhanced the creativity of students.

2. Endorsement of Previous Minutes and Matters Arising

- The minutes of previous meeting were endorsed by the committee.

3. Reports and Updates from IStrucE

- Prof. Sabri updated on the status of the invitation to universities. There were total of 29 universities invited, (19 universities in Malaysia offering Civil Engineering). As for now, there is a total of 14 universities in Malaysia starting their interest to participate in the competition, and one university from ASEAN country which is National University of Singapore

4. Reports and Update From UNITEN

- Chairman discussed regarding the competition itinerary and also the invitation to the VVIPs. Public Affair Department will be in charge to send the invitation to the Minister, Director General Department of Higher Education (MOHE), UNITEN Chairman and Board of Directors of UNITEN.

5. Financial Matters

- As for now, there is no financial problem encountered as we received the sponsorship form MOHE

6. Any Other Matter

- Update on the checklist of the competition