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Introduction

What is ICE STUDENT CHAPTER?

The Institution of Civil Engineers (ICE) is an international membership organisation based in the United Kingdom, founded in 1818. It is now a qualifying body for civil engineers, a centre for the exchange of specialist knowledge, and a provider of resources to encourage innovation and excellence in the profession. ICE strikes to promote and progress civil engineering, and it believes that civil engineers are at the heart of society, delivering sustainable development through knowledge, skills and professional expertise.

The ICE now represents nearly 82,000 members worldwide. Members of ICE help to create structures and systems that sustain society. Professionals who are awarded ICE memberships are among the best in the world.

ICE is a center for the exchange of specialist knowledge and a provider of resources to encourage innovation and excellence in the profession worldwide. In UNMC ICE STUDENT CHAPTER, we provide students with exposure to extra knowledge that they are not likely to get during class lecture which includes site visits that exposure students to real life application, career talk that prepare students for internships, graduate work programme offered by industrial companies and engagement with various construction company that has connection with us. The student chapters also provide competition like Build and Break to test students’ knowledge as a civil engineer so they are able to learn and think critically.
Mission

ICE – Institution of Civil Engineers – Student Chapter is a professional student body that encompasses the student academics and future career. We act as a bridging connection between the school and the external world of civil engineering. Our team of dedicated committee members operating within and outside the university ensures many benefits for the students:

1. Conferences
2. Job opportunities
3. ICE membership
4. Professor interaction
5. Leadership opportunity
6. Student research opportunity
7. Educational resources
8. Engineering site visit
9. Design project
10. Design competition

Aims and Objectives

The UNMC ICE Student Chapter will seek to:

1. Increase member involvement with various extra-curricular activities.
2. Provide a variety of opportunities for different member interests.
   3. Work towards more involvement within the community.
4. Provide opportunities for students on their research project.
   5. Expose students to the real world of working engineers.
President: Robin Lai Chiong Sun

Vice President: Khine Htoo

Event Director: Lo Yi Bang

Marketing & Communication (MarComm): Cheong Kae Kei & Lim Chun Yan

Secretary: Chong Weng Fai

Treasurer: Yap Yong Qi

Public Relation: Lam Wen Qian

Sponsorship Unit: Alyaa Zahirah
Executive Committees

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) (Vice Treasurer)</td>
<td>Esmond Wong Yit Sim</td>
</tr>
<tr>
<td>2) (Vice Treasurer)</td>
<td>Shaun Khaw Kai Keat</td>
</tr>
<tr>
<td>3) (Vice Secretary)</td>
<td>Faisal Zubaid Akbar</td>
</tr>
<tr>
<td>4) (Marcom Executive)</td>
<td>Tan Syean En</td>
</tr>
<tr>
<td>5) (Marcom Executive)</td>
<td>Lee Yong Wei</td>
</tr>
<tr>
<td>6) (Marcom Executive)</td>
<td>Ooi Hong En</td>
</tr>
<tr>
<td>7) (Marcom Executive)</td>
<td>Ng Xin Yun</td>
</tr>
</tbody>
</table>
8) Bill Yii Kuai-----------------(Marcom Executive)-----------------------------

9) Chong Soon Chuen----------(Event Executive)----------------------------------

10) Tan Jing Ning-------------(Event Executive)----------------------------------

11) Lye Jin Hong--------------(Event Executive)----------------------------------

12) Chang Sin Yee------------- (Event Executive)-------------------------------

13) Azraa Ayesha------------- (Event Executive)------------------------------

14) Daryl Ng Chun Pinn--------(Event Executive)-------------------------------
## Roles and Responsibilities of each Department

### President

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Leadership and management of the ICE UNMC Student Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objectives</td>
<td>Organisation of the UNMC ICE committee towards achieving the annual Target Plan Monitoring of responsibilities of committee members as outlined in this document</td>
</tr>
<tr>
<td>Responsibilities</td>
<td>- Arrangements for meetings, including notification of date, time and place of meeting.</td>
</tr>
<tr>
<td></td>
<td>- Agenda for committee meetings</td>
</tr>
<tr>
<td></td>
<td>- Appoint new committee members or expand the roles of existing members should roles outlined in this document be vacated between AGMs and require temporary appointees.</td>
</tr>
<tr>
<td></td>
<td>- Appoint ex-officio members of the committee as required to assist in the completion of the committee tasks</td>
</tr>
<tr>
<td></td>
<td>- Monitor progress of committee members towards their objectives</td>
</tr>
<tr>
<td></td>
<td>- Involve all members in the decision making as far as reasonable practicable.</td>
</tr>
<tr>
<td></td>
<td>- Report work of committee to the ICE Malaysia Representative.</td>
</tr>
<tr>
<td></td>
<td>- Maintain adherence by the committee members to the ICE Code of professional conduct</td>
</tr>
<tr>
<td></td>
<td>- Maintain adherence to the requirements for confidentiality of information among the committee members</td>
</tr>
<tr>
<td>Tenure</td>
<td>A President shall be elected annually by the UNMC ICE membership at an AGM. The elected President must be a current committee member serving at the previous academic year.</td>
</tr>
</tbody>
</table>

### Vice President

<table>
<thead>
<tr>
<th>Purpose</th>
<th>To assist the President lead the committee through the norms of planning and implementing the events in The University of Nottingham Malaysia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objectives</td>
<td>Support the Committee Members and take on tasks as agreed with the President</td>
</tr>
<tr>
<td>Responsibilities</td>
<td>- Remain up to date with activities being undertaken by the committee in order to deputise for the President when necessary</td>
</tr>
<tr>
<td></td>
<td>- Take on delegated tasks to support the President as agreed with the Committee Members</td>
</tr>
<tr>
<td></td>
<td>- Assist with liaison, coordination and monitoring of actions arising from committee meetings</td>
</tr>
<tr>
<td>Tenure</td>
<td>A Vice-President shall be elected annually by the ICE membership at an AGM. A Vice-President must be a current committee member serving at the previous academic year.</td>
</tr>
</tbody>
</table>
### Treasurer

**Purpose**
Manage all financial aspects of the UNMC ICE SC

**Responsibilities**
- Budgets, accounts and statement to ICE committee
- Produce a budget in support of the annual Target Plan
  - Annual Budget due June of each year for the following year to be provided to the ICE Malaysia representative
- Liaise with committee members regarding financial matters as required
- Ensure compliance with relevant financial legislation
- Oversee all the ICE financial transactions
- The ICE bank account and all income and expenditure by the committee
- Query, record and pay expenses requested by committee members in line with the CS constitution

**Tenure**
A Treasurer shall be elected annually by the ICE membership at an AGM.
A Treasurer must be a current committee member serving at the previous academic year.

### Assistant Treasurer

**Purpose**
To assist the Treasurer in financial.

**Objectives**
Support the Treasurer and take on tasks as agreed with the Treasurer
Check calculations and financials produced by the Treasurer

**Responsibilities**
- Remain up to date with activities being undertaken by the Treasurer in order to deputise for the Treasurer when necessary.
- Take on delegated tasks to support the Treasurer as agreed with the Treasurer
- Review and check budgets produced by the Treasurer
- Review and check accounts periodically

**Tenure**
An Assistant Treasurer shall be elected annually by the ICE membership at an AGM.
An Assistant Treasurer may be elected through open nominations as a Junior Office for non-current committee members.
### Secretary & Vice Secretary

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Maintain the activities of the committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objectives</td>
<td>Maintain a record of committee activities</td>
</tr>
<tr>
<td></td>
<td>Maintain a record of committee contacts</td>
</tr>
<tr>
<td>Responsibilities</td>
<td>Maintain minutes of all committee or sub-committee meetings (recording of the minutes can be delegated)</td>
</tr>
<tr>
<td></td>
<td>Maintain a record activities undertaken by the committee</td>
</tr>
<tr>
<td></td>
<td>Maintain a record of all financial details produced by the Treasurer</td>
</tr>
<tr>
<td></td>
<td>Maintain a hard copy and electronic file of all minutes and correspondence produced by the committee</td>
</tr>
<tr>
<td></td>
<td>Maintain a record of names and contacts that are useful to the UNMC ICE SC</td>
</tr>
<tr>
<td></td>
<td>Provide a monthly update of activities undertaken to the ICE Malaysia representative</td>
</tr>
<tr>
<td></td>
<td>Maintain a programme of future committee event and activities and provide this to the publicity officer on request</td>
</tr>
<tr>
<td></td>
<td>Provide access to all information to the Committee Members as agreed with the President</td>
</tr>
<tr>
<td>Tenure</td>
<td>A Secretary shall be elected annually by the ICE membership at an AGM</td>
</tr>
<tr>
<td></td>
<td>A Secretary must be a current committee member serving at the previous academic year</td>
</tr>
</tbody>
</table>

### Marketing and Communication Director & Executives

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Manage internal and external promotion of the activities of the UNMC ICE Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objectives</td>
<td>Support and promote communication between the ICE committee, its members and other external organisations</td>
</tr>
<tr>
<td>Responsibilities</td>
<td>Articles and other material for updateable newsletters</td>
</tr>
<tr>
<td></td>
<td>The UNMC page of the ICE website</td>
</tr>
<tr>
<td></td>
<td>Support and encourage communication on the ICE Facebook Page</td>
</tr>
<tr>
<td></td>
<td>Photographs at ICE events (this activity can be delegated)</td>
</tr>
<tr>
<td></td>
<td>Support and liaise with the President and other members of the committee to produce and circulate publicity material</td>
</tr>
<tr>
<td></td>
<td>Liaise with the Secretary to produce and circulate publicity material and outgoing publications</td>
</tr>
<tr>
<td></td>
<td>Check all internal and external publications against the ICE brand guidelines</td>
</tr>
<tr>
<td>Tenure</td>
<td>A Publicity Director shall be elected annually by the ICE membership at an AGM</td>
</tr>
<tr>
<td></td>
<td>A Publicity Director must be a current committee member serving at the previous academic year</td>
</tr>
<tr>
<td></td>
<td>Publicity Executives may be elected through open nominations as a Junior Office for non-current committee members</td>
</tr>
</tbody>
</table>
### Events Director & Executives

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Share knowledge and sustain membership</th>
</tr>
</thead>
</table>
| **Objectives** | To organise the ICE calendar of technical meetings and networking events  
Maintain a high standard of technical meeting and host beneficial events relatable to the civil engineering industry.  
Create networking opportunities for the ICE members |
| **Responsibilities** | Arranging the technical speakers  
Arranging networking events  
Liaising with the Treasurer to provide appropriate budgets for any event  
Acting as a point of contact for the speakers and venue  
Booking of venues and liaison with the Treasurer to arrange payment  
Monitoring income from events in liaison with the Secretary  
Preparing the advertisement for the events  
Maintaining a contact list of speakers, event venues and event attendees  
Conducting post-event reviews to measure the success of the event  
Responsible for the appointment and management of ex-officio committee members as required to assist the Events Director in facilitating quarterly meetings, networking events, etc. |
| **Tenure** | An Event Director shall be elected annually by the ICE membership at an AGM  
An Event Director must be a current committee member serving at the previous academic year  
Event Executives may be elected through open nominations as a Junior Officer for non-current committee members |

### Rules of Committee Membership
- Understand and uphold the ICE Code of Professional Conduct
- Follow the requirements of the constitution of the Student Association Rules and Regulations
- Attend at least 50% of the committee meetings held in any year between AGMs
- Responsible for establishing constructive criticisms and objectives in line with the ICE strategy for their portfolio of responsibilities for agreement with the Committee Members
  - Specific – the objective must be clearly defined
  - Measurable – a quantifiable outcome must be established to provide a measure of success to monitor against
  - Achievable – the objective must be realistic and have the support of the committee and membership with an approved budget item
<table>
<thead>
<tr>
<th>Department</th>
<th>Accomplishments</th>
</tr>
</thead>
</table>
| **President and Vice President**| - Successfully managed the team to solve problems related to events, posters, public relation and sponsors  
- Successfully branch out network of ICE STUDENT CHAPTER to new external industry such as MRCB, EcoWorld, Hume Concrete, Ikhmas Jaya  
- Collaboration between other student chapter to host event (iStrucE, IEEE, IEM, IChemE, IMechE)  
- Secured previous sponsor for sponsoring the next term’s event  
- Participated in CSR (Cooperate Social Responsibilities) event  
- Successfully maintain team relationship to ensure strong bond  
- Kept all documents in Google drive to ensure the committee next year will have guidelines on running the student chapter |
| **Treasurer**                   | - Ensured sufficient cash flow to run for events  
- Produced monthly cashbook flow and updated SA  
- Ensured budget availability  
- Presented the cash flow during meeting to keep team updated on the cash availability |
| **Secretary**                   | - Completed every minutes of meeting  
- Made new format for meeting minutes  
- All the documents such as Events report are kept in Google drive for future reference |
| **Marketing and Communication** | - Hosted workshop on how to use AI for committees to enhance their poster skill  
- Using AI software to produce out quality poster  
- Ensuring all poster complies with SA format  
- Promoted ICE STUDENT CHAPTER through Facebook page and through promotion in class  
- Uploaded all posters and Marcom material in Google drive for future reference |
| **Events Team**                 | - Successfully hosted new event which is Engineering Identity Week  
- Accomplished every event that was planned during Autumn and most of the planned Spring events  
- Assisted the Civil Engineering students in getting internship and graduate job secured  
- Successfully provided events for the previous sponsor to participate in |
<table>
<thead>
<tr>
<th>Public Relation</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ Accomplished email works dealing with external parties</td>
</tr>
<tr>
<td>➢ Communicate with the lecturers and the companies</td>
</tr>
<tr>
<td>➢ Invited various companies to conduct career talk for the students, as well as conducting face to face interview with the students at the University for interns and graduates recruitment purposes</td>
</tr>
<tr>
<td>➢ Promoted the University to companies that comes to UNMC</td>
</tr>
<tr>
<td>➢ Requested the companies for conducting site visit and ensured companies involvement in our various important events so that they are alert of how the society works as well as provided the chance for the students to interact with the companies.</td>
</tr>
<tr>
<td>➢ Performed networking with the industry not just in building relationship but also in gaining financial support to ensure the continuity of the society.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sponsorship Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ Secured previous sponsors</td>
</tr>
<tr>
<td>➢ Accomplished in getting 2 more new sponsor this term</td>
</tr>
<tr>
<td>➢ Collaborated with Civil Engineering Department to sponsor for events</td>
</tr>
</tbody>
</table>
Financial Report

Finance Report

Cashflow ending in 31 March 2016

<table>
<thead>
<tr>
<th>Date</th>
<th>Particular</th>
<th>Debit</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Oct</td>
<td>Bal b/fw from September 2015</td>
<td>5733.20</td>
<td></td>
</tr>
<tr>
<td>1-Oct</td>
<td>ICE BBQ</td>
<td></td>
<td>276.55</td>
</tr>
<tr>
<td>5-Oct</td>
<td>CS Fair</td>
<td></td>
<td>1610.00</td>
</tr>
<tr>
<td>26-Oct</td>
<td>Kerjaya Site Visit</td>
<td></td>
<td>74.00</td>
</tr>
<tr>
<td>4-Nov</td>
<td>Engineer’s Identity</td>
<td></td>
<td>332.60</td>
</tr>
<tr>
<td>11-Nov</td>
<td>Ikhmas Jaya Career Talk</td>
<td></td>
<td>122.95</td>
</tr>
<tr>
<td>18-Nov</td>
<td>MRCB Site Visit</td>
<td></td>
<td>112.70</td>
</tr>
<tr>
<td>7-Dec</td>
<td>HYDRAULIC PHYSICAL MODELLING OF PUMP SUMP AND SPILLWAY</td>
<td></td>
<td>36.00</td>
</tr>
<tr>
<td>9-Mar</td>
<td>Alumni Talk</td>
<td></td>
<td>49.15</td>
</tr>
<tr>
<td>18-Mar</td>
<td>ECO Majestic Site Visit</td>
<td></td>
<td>50.55</td>
</tr>
<tr>
<td></td>
<td>Sales of 10th Anniversary Polo-T</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Purchase of Polo T</td>
<td></td>
<td>1680.00</td>
</tr>
<tr>
<td></td>
<td>Proceeds from sale of Polo T</td>
<td></td>
<td>2040.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9383.20</td>
<td>2734.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6648.60</td>
<td></td>
</tr>
</tbody>
</table>

Pending events for finance report – Build and Break Competition 2016 (Event finished on 26/03/2016)

ICE STUDENT CHAPTER (AGM) 2015/2016 (Event will be on 06/04/2106)

ICE ANNUAL DINNER 2016 (Event will be on 15/04/2016)
Events Successfully Hosted

ICE BBQ (1st October 2015)

The ICE BBQ event started at 6:00pm and started the grilling. The event was stopped at 7:30pm due to heavy rain but however the grilling was done before the rain so it was fortunate enough that everyone had their bbq grills. 8pm the rain stopped and we enjoyed the food have small ice breaking games between committee. Since this event is only opened to committee, it was successful in the participation rate. Overall, the event was a success and we did enjoy our bbq. 9pm, we started cleaning up and finished the event.

Details of the event

Name of event: ICE BBQ
Date & Time: 1st October. 6pm to 9:30pm
Place of Event: BBQ pit at Pangkor Hall
Number of Participation: 16
Invited Guest List: None
Event Committee Organisation List: Khine Htoo
Event Mission and vision: To break ice between committee for future closer working purposes.
Benefit in organising public events.
Objectives Achieved: Bonding between Committee

Activities Summary

6pm – start BBQ
6:45pm- Eat
7:30pm – small ice breaking games
8pm – talk and relax
9pm- clean up
9:15pm- Event Ended
ICE Student Chapter participated in the Club and Society Fair hosted by SA on 5th and 6th of October. During the event, our team managed to promote the Student Chapter to all the students that drop by the booth which includes the benefits of joining as a member of ICE Student Chapter. At the end of the event, we managed to have 175 students signed up to become member of ICE Student Chapter. Below are some of the photos during the event.
ICE BREAKING CAMP (10th to 11th Oct 2015)

Overall the whole 2 Day 1 Night trip at Outbac Broga is a success with the help of committee members from ICE. The Department of Civil Engineering also plays a huge role on the success of this event through their financial support and transportation aid. The total amount of participant is 22 people. Half of the participant is from the ICE committee and the other half is from civil engineering throughout the year. One of the participant is from the foundation of engineering. Although we plan to achieve around 50 participant but due to the unforeseen haze that lasted about 2 weeks, some of the participants have pulled out from the event. But throughout this event, we achieved our main objective which is to break the ice among year 1 participant and form a strong friendship bond between each other. Every participant enjoyed the trip and we are quite thankful there is no one got injured during trip. Unfortunately, the Head of Civil Engineering Department, Mr Ioannes Tang couldn’t join us for the event but he did send his regards.

Details of Event
Name of Event: ICE Breaking Camp
Date & Time: 9.00am (10th Oct)~ 12.00pm (11th Oct)
Place of the event: i) Sungai Tekala Recreation Park
Number of participant: 22
Invited Guest List: None

Event Committee Organisation List:
Organising Chairperson: Chong Soon Chuen
Publicity Officer: Tan Syean En
Advisor: Robin Lai Chiong Sun, Khine Htoo, Lo Yi Bang
Treasurer: Yap Yong Qi
Trip Coordinator: Lo Yi Bang
KERJAYA PROSPEK SITE VISIT (26th Oct 2015)

On 26th October 2015, ICE Student Chapter organized a site visit to the Kerjaya Prospek Setia Wangsa Site. This site visit were suggested by Dr. Sandy Kok, the module conveyor for the module of Foundations and Earthworks, H23GGE. The visit aims to promote a better understanding of geotechnical design of retaining walls and foundations. 34 participants including the lecturer departed from the campus at 9.00am sharp. The journey to the site took 1 hour and 15 minutes. We were greeted and briefed by the project managers, Mr. Low and Mr. Steve Leong. Then, the group was separated into two groups: the first group will be visiting the site first while the second group will be having a technical briefing regarding to the project first. The first was led by Mr. Low to visit the site. The participants were shown the construction of continuous bored pile and the using of anchor in preventing the failure of the foundation. Despite the hot and sunny weather, the participants had shown passion and curiosity in learning new knowledge by asking questions and interacting with Mr. Low and Mr. Steve. Two groups gathered again at the site office after the visit. A token of appreciation were handed over to Mr. Low by Mrs. Sandy Kok. A group photo was taken. At 1.00pm sharp, the group departed to the campus.
THE ENGINAIRE COMPETITION (26th Oct 2015)

This event is a collaboration event between iStrucE, ICE, IChemE and IMechE. There four committees helped out in the event. Basically, the committee had prepared the trivia questions in the slide presentations, tested it and attended the trial run before the actual event starts. A part from that, one of the committee had also handled the catering from the Chinese stall in the cafeteria for this event. Additionally, this event is sponsored by Sunway Construction Berhad.

As the summary of the event, the final was a showdown between Team Eureka and Team SmURF. Team Eureka had won two out three rounds and was up against Team SmURF, a clear favourite, as they were the only team with three consecutive wins. The MC tried to bait the competitors into doubting their answers with his commentary, but neither team fell for it. The audience cheered for every correct answer and sighed for every wrong one. However, the audience made sure to applaud the competitors’ efforts nonetheless. In the end, the team that came out victorious was Team Eureka. They were crowned the victors and received prize money of RM 750. Team SmURF, placing second, received RM 450.
On the 30th of October 2015, Dr Choong Wee Kang from Civil Engineering Department of University of Nottingham Malaysia Campus (UNMC) invited SJK(C) Kampung Baru Semenyih to visit the campus. The purpose of this visit is to expose the primary school students to the university environment and more importantly, instil dreams in the children. 110 students and 10 teachers arrived in the great hall by bus at 9.30am. The big group of student was then separated into 10 groups based on the grouping which has been done before and each group was led by a student helper. On the 30th of October 2015, Dr Choong Wee Kang from Civil Engineering Department of University of Nottingham Malaysia Campus (UNMC) invited SJK(C) Kampung Baru Semenyih to visit the campus. The purpose of this visit is to expose the primary school students to the university environment and more importantly, instil dreams in the children. 110 students and 10 teachers arrived in the great hall by bus at 9.30am. The big group of student was then separated into 10 groups based on the grouping which has been done before and each group was led by a student helper.

Meanwhile, 10 total stations were set up in front of the Trent Building for the Surveying Activity. This activity aimed to bring special experience of being a civil engineer to the primary school students. Then, the students and teachers gathered again in the great hall. In the Great Hall, the headmistress gave a speech about her personal experience in pursuing her dream and she also thanked the department for hosting them for the visit. Before leaving, a goody bag was handed over to the headmistress as a token of appreciation. The visit came to an end when the students left by bus at 12.30pm.
ENGINEER’S IDENTITY WEEK (4th to 5th Nov 2015)

On the 4th and 5th November 2015, the Engineer's Identity Week was held successfully with the co-operations of ICE committees and support from the Department of Civil Engineering. The main purpose of this event is to celebrate the 10th Anniversary of the Department of Civil Engineering as well as to promote the department and UNMC ICE Student Chapter.

During the event, we sell our merchandise at the SA circle booths as well as organizing educative talks for the students. Not only promoting the society and department, talks were held to introduce the students more about the engineering field as well as to convey to students that other than business students, engineering students also can perform at being an entrepreneur.

Two talks were held on the 4th November 2015, which is the ‘Route to Engineering’ talk by Mr. Chiang Choon Lai who is one of the UNMC lecturers and ‘Engineering Entrepreneurship’ talk by Mr. Raymond Gabriel who is the executive director from People Systems Consultancy Sdn. Bhd. We invited the advisor of UNMC ICE Student Chapter, Dr. Choong Wee Kang to attend the talks too. The amount of the participants attending ‘Engineering Entrepreneurship’ talk is 60 people while 52 people, mainly foundation students, attended ‘Route to Engineering’ talk. Throughout the talks, students were briefed by the speakers about the aspects of engineering entrepreneurship as well as the introduction of each engineering field. The participants found interest in the topics and gave good response to the speakers. Also, many questions were raised during the Q&A session. At the end of each talk, refreshment is provided to the speakers, lecturer, participants and the committees in charge. At the same time, participants get to interact with the speakers and clear their doubts regarding the engineering field.

On the 4th and 5th November 2015, our merchandise was sold at the campus and the response of the students, mainly engineering students, is good. As the stocks are not enough, we then offered the pre-order so the students would not miss out our merchandise. In addition, we distributed brochures which include the information of each engineering to the students to increase their basic knowledge of engineering field.
IKHMAS JAYA CAREER TALK (11th Nov 2015)

On 11th November 2015, the Ikhmas Jaya career talk was held successfully with the co-operations of ICE committees. Approximately 40 students attended this career talk. The participants consist of civil engineering students from year 1 to year 4 students. The speaker of this career talk is Mr. Wilson Ang, Executive Director of Ikhmas Jaya Group Bhd. At 2.30pm, Mr. Wilson Ang started by introducing the background of Ikhmas Jaya Group Sdn. Bhd. He showed students some photos of the projects they involved as well. Students were exposed and had the opportunity to find out more about Ikhmas Jaya Group Bhd. The students also had the opportunity to know the basic ideas regarding construction on site and the responsibilities of site engineers.

Ikhmas Jaya Group Bhd. offered internship opportunities to students. They are looking for graduate engineers to join their company. They encourage students to send in their resume or CV. UNMC ICE Student Chapter will be assisting the students to collect the resume and CV before sending to Ikhmas Jaya Group Bhd. At 3.30pm, Ir Yeong handed over goody bags to Mr Ang as a token of appreciation. The talk ended with a group photo and refreshment session.
MRCB SITE VISIT (18th Nov 2015)

On the 18th November 2015, a site visit to MRCB in Menara Allianz Sentral. The main purpose of this site visit is to expose the students to the application of green technology in real industry. We hope the students are able to understand the importance of energy conservation. The participants gathered in the SA bus stop at 8.15am and departed at 9am sharp. The journey to the Menara Allianz Sentral took 45 minutes. The group was greeted and led by Mr Ryan Shei to the seminar room. Mr Ryan then introduced us about the history and on-going projects of MRCB. After 30 minutes of introduction, Ms Lee Aileer took over and spoke about the topic of green technology. The participants expressed their interest in the green technology and were impressed by the advance green technology used in the various projects in MRCB. A short break after the talk, the group was then led by Ms Lee to pay a visit to the nearby Menara Shell, a LEED Platinum Certified project done by MRCB. Ms Lee introduced various green technology applied in the building including the inverted air-conditioning system, glazing glass, main energy system, rainwater harvesting system and so on. Before the end of the visit, a group photo was taken in the open air courtyard with Ms Lee and the other Staff-in-charge. The group was then departed to the campus at 1pm sharp.
MMC-GAMUDA UNDERGROUND TUNNEL SITE VISIT & CAREER TALK 2015

Date and Time: 0800 24th Nov~ 1315 24th Nov (2015)
Venue: MMC GAMUDA KVMRT (T) SDN BHD
Number of Participant: 44 students and 1 lecturer

The Site Visit to MMC-GAMUDA was held successfully with the co-operations of ICE committees and financial support from Department of Civil Engineering in UNMC. We would like to express our gratitude to Student Association officers for making the event a successful one. There were 45 participants in the event, including 44 civil engineering students, which consist of year 1 to year 3 students. A lecturer was also invited to the site visit. The person in charge from MMC-GAMUDA briefed the innovative and only tunneling technology used by the company for the currently ongoing MRT project. The model of the Tunnel Boring Machine was presented at the meeting room as well. Other than that, the participants visited the underground level of the project. However, the participants were not allowed to step on the tunnel, as the tunnel part of the project was already liable by another company. Then, a career talk by the HR manager was carried out. The information of the company was introduced to the participants. The participants interacted with the site engineers and the human resource manager throughout the event. The event was a success as it helped the participants in gaining valuable knowledge.

The main vision of the event is to enhance the interaction between students. Other than that, we would like to expose the facts of tunneling and the underground condition of the station for the participants. The participants also able to experience the real life situation in the industrial world. Soft skills should have implemented into the participants, such as critical thinking and problem solving skills.

Program Flow for MMC-GAMUDA SITE VISIT

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00am</td>
<td>Gather at Bus Stop, Take Attendance</td>
</tr>
<tr>
<td>8:40am</td>
<td>Depart from UNMC to MMC-GAMUDA</td>
</tr>
<tr>
<td>9:40am</td>
<td>Arrival at Visitor Centre</td>
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<tr>
<td>9:50am</td>
<td>Briefing, Video Presentation</td>
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<tr>
<td>11:00am</td>
<td>Site tour at Cochrane Site</td>
</tr>
<tr>
<td>11:45am</td>
<td>Career Talk</td>
</tr>
<tr>
<td>12:45pm</td>
<td>Back to UNMC</td>
</tr>
<tr>
<td>1:15 pm</td>
<td>Arrival at UNMC</td>
</tr>
</tbody>
</table>
HUME CONCRETE SITE VISIT (25th Nov 2015)

On the 25th November 2015, the ICE Student Chapter organized a site visit to the Hume Concrete Plant. This site visit aims to increase the understanding of students regarding the fabrication of precast concrete. The bus arrived in the Hume Concrete Plant at 9.15am. We were greeted by the person-in-charge and we had breakfast prepared by the company before the safety briefing by the person-in-charge. Before the starting of the visit, a token of appreciation was handed over to the person-in-charge of Hume Concrete. The group was then separated into two teams and was leaded by 2 officers respectively. Mr Chow, one of the officer explained in detailed various processes going on in the plant. We were shown around the plant and students had participated actively in interaction with the officer. Although the weather was not perfect for site visit as it was raining, the students had shown great interest and curiosity in learning new knowledge while the officer had indeed done their best to answer our questions. At 12pm, the group gathered again in the canteen to have our lunch prepared by the company. Before heading back to the campus, we had a group photo session with the factory manager. At 1.15pm, we departed to the campus.
T.Y.LIN CAREER TALK (25th Nov 2015)

On 25th November 2015, ICE Student Chapter organized a career talk in collaboration with the established consulting firm, T.Y.Lin. The career talk aims to provide an opportunity for the students to have an insight in the operation of a construction consulting firm, yet remind them about the future prospect of the industry. The speaker, Ir Chin Lee Ling, the director of T.Y.Lin Malaysia arrived in the seminar room at 2.15pm and the talk started at 2.40pm. 30 participants attended the career talk despite the talk was held during their classes’ time. Ir Chin introduced the participants about the history and on-going projects of T.Y.Lin. She also explained about the technical aspects involved in the Naza Tower in Kuala Lumpur. The participants were impressed by the unique design of the project and the difficulty in building it into reality. Various drawing and design specifications used in the design were shown to the participants. Before the end of the talk, a token of appreciation was handed over to Ir. Chin by the president of ICE Student Chapter, Mr. Robin Lai. Refreshment was also prepared for the speakers and participants after the talk. The participants grabbed the chance to interact with Ir. Chin and asked her about challenges faced, be it in the industry or in the project. The participants indeed gain a lot from the sharing of Ir. Chin. A group photo was taken before the talk ended at 4.30pm.
CIVIL ENGINEERING LECTURE SERIES: HYDRAULIC PHYSICAL MODELLING OF PUMP SUMP AND SPILLWAY (2nd Dec 2015)

The Lecture on Physical Modeling of Pump Sump and Spillways was held successfully with the co-operations of ICE committees. We also appreciate the guiding and fast response of SA officers. There was a total of 22 participants. All of them are from Civil Engineering, while majority of them were from Year 1 and Year 2. Throughout this lecture, all who attend should have a better understanding of the requirements in a physical model and the use of dimensionless numbers in physical modelling. We have also understand the problems that hydraulic engineers face when building the prototype and testing on hydraulic physical models.
CIVIL ENGINEERING INTERNSHIP & GRADUATES WEEK
(16th to 17th Feb 2016)

During 16th and 17th of February 2016, the UNMC ICE Student Chapter organized the Civil Engineering Internship and Graduate Week whereby companies are invited to interview students that will be going for internship this summer 2016 and for the year 3 and year 4 students that are seeking for graduate job.

The objectives of this event is mainly aimed to assist students in getting their internship and graduate job secured as well as to ease the difficulties of going to the company headquarter to attend interview. Additionally, it serves as a platform for the Student Chapter to bridge connection with the external companies, which in turn not only students get to know the industrial companies, but industrial companies are able to identify the potential students they are interested to join their team in the future.

<table>
<thead>
<tr>
<th>Held Interview Sessions</th>
<th>Accepted Student’s Resumes</th>
<th>Promotional Talk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunway</td>
<td>MRCB</td>
<td>G&amp;P Group</td>
</tr>
<tr>
<td>EcoWorld</td>
<td>Gamuda</td>
<td></td>
</tr>
<tr>
<td>Ikhamas Jaya</td>
<td>Petronas</td>
<td></td>
</tr>
<tr>
<td>Cantilever</td>
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</tbody>
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In summary, total of 8 reputable companies were involved in this event. Interview session was held in Civil Engineering block, Blue Building, University of Nottingham Malaysia Campus. 4 companies (Sunway, Ikhamas Jaya, EcoWorld and Cantilever) attended the session and another 3 company (MRCB, Gamuda and Petronas) are currently accepting resumes for review. The CVs were collected by the committee of UNMC ICE STUDENT CHAPTER and were sent to respective companies. A part from that, G&P Professional Sdn Bhd will be coming to give a promotional talk about their company which will be held in Mid of March 2016. This has brought many opportunities and delights to our fellow course mates, ranging from Year 1 to Year 4.

Participating Companies:

UNMC ICE Student Chapter will be hosting an interview session for all civil engineering students who wish to pursue their summer internship programme or aiming for a job in these companies. Among the benefits of applying through us are:

1) direct interview with the HRs without going through long and complicated application process
2) higher chances to join the company due to early applications and more available slots in companies
3) interview is held in our university and you are not only required to prepare a CV

Date : 16th - 18th February 2016
Venue : UNMC Blue Building
Dresscode : Long pants with closed shoes
CIVIL ENGINEERING PHOTO CONTEST (22\textsuperscript{th} Feb extended to 6\textsuperscript{th} April 2016)

The “Engineering Problems and Solutions Photo Contest !” is proposed by the lecturer of Civil Engineering Department, Dr Choong Wee Kang in collaboration with the UNMC ICE STUDENT CHAPTER. The contest is opened to all students of civil engineering, other course are welcomed to join as well.

The purpose of this contest is to expose students to realize the problem around them and as a future civil engineer, to propose a solution to it and at the same time to enhance their learning not just in class, but the problem they see around them. Lecturers from Civil Engineering Department are welcomed to participate as well.

In brief, participants are to take 5 photos only indicating the problems that they found anywhere, stating the location they took the photo and provide a description of solution to it.

Rules and and regulation can be viewed through here: http://iceunmc.tumblr.com/rnr

Prize are given during the ICE NIGHT 2016 which is on 15\textsuperscript{th} of April 2016
CIVIL ENGINEERING ALUMNI TALK (9th Mar 2016)

On the 9th March 2016, the Civil Engineering Alumni Talk was held successfully with the co-operations of ICE Student Chapter committees, IstructE Student Chapter committees and support from the Department of Civil Engineering. The main purpose of this event is to convey the civil engineering alumin’s valuable experiences to our students so that they have a clearer picture on their career in the future.

During the event, there were more than 45 audiences attended. 2 Civil Engineering alumni were invited to be the speakers of this event. They are Shawn Woon Siong Sheng who is currently working in the Sunway Construction Company and Jane Lee Chian Fang who is currently working in the Cantilever Sdn. Bhd. They were very keen to share their personal experiences with all the students. Before the event started, refreshments such as curry puffs and drinks were prepared outside the F1A11 lecture hall for the audiences and speakers. Shawn Woon started the talk followed by Jane Lee. They have shared their experiences and views on differences between students and working as a civil engineer, obstacles faced and advice for fresh graduates. Audiences were also interested in their personal opinion on the related field by asking questions during the Q + A session. A number of questions were given to the speakers such as the daily routine of a civil engineer, the application of software and manual calculation in the working field and method of relieving stress for reference. Speakers were willing to answer the audiences’ questions as well as included the knowledge the students should know. Before this event ended, souvenirs and certificates were given to the speakers for appreciating their effort to make the alumni talk a memorable one. All the attendees were then proceeded to the refreshments and some interaction with the speakers.

The event was a successful one and we received good feedback from the students on this Civil Engineering Alumni Talk. It did help the students in understanding the career path, working life and social life of the civil engineers.
G & P CAREER TALK (16th Mar 2016)

Executive Summary

The Career Talk by G&P Professionals was held successfully on the 16th of March with the cooperation of ICE Student Chapter committees. The event was a success with help from the Student Association Officers. There were about 30 participants who attended the talk, consisting of Civil Engineering students from Year 1 to Year 4. The talk was given by Ir. Liew Shaw Shang who has given a talk on behalf of G&P Professionals previously last year. He elaborated on the career opportunities we have as an engineer and what are the troubles we might face once we are in the field. The event was a success and people were very satisfied with the information they received.

Event Details

Name of Event: G&P Professionals Career Talk
Date and Time: 2:30 pm to 4:30 pm
Venue: F3C04, University of Nottingham Malaysia Campus
Number of participants: 30 students

Event committee List

Organizing Chairperson: Azraa Ayesha Ahmad Khairuddin
Advisor: Robin Lai, Khine Htoo, Lo Yi Bang
Secretary: Chong Weng Fai
Treasurer: Esmond Wong Yit Sim
Photographer: Chong Weng Fai
ECOWORLD SITE VISIT (18th Mar 2016)

In collaboration with Ecoworld Development Berhad, the ICE STUDENT CHAPTER hosted a one day site visit to Eco Majestic located not far away from UNMC. During the visit, 23 year 1, 12 year 2 and 2 year 3 students which sum up to 38 participants including a lecturer from Civil Engineering Department departed from UNMC at 2:45pm on the event day itself. When students and lecturer arrived there, they were greeted by the senior staff of HR from Ecoworld, Mr Kenny Chin. Students and lecturer were given presentation about the company and what they do, career prospect with EcoWorld and how the building is realised from inception to build.

After the presentation session, students and lecturer had opportunity to tour some of the show house in Eco Majestic. Throughout the tour, site engineer explained about the sustainability aspect available in the house and green technologies they are currently using in their construction. Students and lecturer went for tea time prepared by Eco Majestic before departing back to UNMC at 6pm.
BUILD AND BREAK 2016 (26th Mar 2016)

The competition of Build n Break 2016 was held successfully with the co-operation of ICE and IStructE committees. We all appreciate the guidance and immediate responses of the SA officers. There was a total of 9 teams (45 participants), namely from UNMC, INTI IU, UPM and UNITEN. We have also invited Judges from UNMC and Sunway Constructions, namely: Dr. Mohammed Parvez Anwar (UNMC), Dr. Jayaprakash Jaganathan (UNMC), and Mr. Akira Yabe (Sunway Constructions).

Throughout the competition, all who participated had an opportunity to gain exposure from experienced engineers, exhibit their teamwork, and practical application of theoretical knowledge. All of us have also obtained a deeper understanding on the factors that affects the stability of a tower crane. This makes it possible for all participants to think creatively and further improve designs while limiting material cost and time of preparations.

Throughout the event, participants had the opportunity to build a tower crane model. Furthermore, all of the participants were confident and completed the challenge. The event was well organized and overall a success. The participants were giving great response and enjoyed throughout the competition.

The team who appeared as champion was from ICE UNITEN with a score of 88.375 marks; The first runner-up is a team of foundation and year 1 students from UNMC with 87.25 marks; While the second runner-up is a team from INTI IU with a score of 69.87%
ICE STUDENT CHAPTER AGM 2015/2016 (05th April 2016)

On the 5th of April 2016, the ICE student Chapter of University of Nottingham Malaysia Campus organized the Annual General Meeting of 2016 to officially recruit the new committee board for the coming term of 2016/17.

The VIPs arrived in the hall punctually at 7.15pm and the meeting started with the speech of the president of ICE Student Chapter 2015/16, Mr. Robin Lai Chiong Sun. He welcomed all the participants and expressed his gratitude towards the supports from the department and the ICE representatives.

Then, Mr Ioannes Tang, the Head of Department of Civil Engineering UNMC gave speech. He appreciates the effort made by the Student Chapter throughout the year. Ir. Dr. Tan Yean Guan, the representative from ICE Malaysia, then announced the official starting of the ICE AGM 2016.

Each head of department of ICE Student Chapter 2015/16, including the treasurer, secretary, event director, Marketing and Communication (MarComm) director, Public Relations (PR) and Sponsorship director, presented their annual report of term 2015/16 to the participants.

At 8.15pm, the candidates were invited on stage to talk about their manifesto for their running position. The details of each candidate are shown below:

1. Bill Yii: Marcomm director
2. Daryl Ng: Vice President
3. Kelvin Tan: President (Video manifesto)

Each candidate except Kelvin Tan was given 15 minutes of Question and Answer after their manifesto. Participants were then invited to have refreshments at 8.45pm.

After discussion among the committee members, the candidates applied were all success in their application, as shown below:

1. Bill Yii was elected as the Marcomm director for term 2016/17
2. Daryl Ng was elected as the Vice President for term 2016/17
3. Kelvin Tan: President for term 2016/17

Then, the award ceremony started with the handover of certificate of appreciation to Dr Choong Wee Kang as the ICE student chapter’s advisor for the term 2015/16. Ir. Dr. Tan was invited to handover the certificates of appreciation to the committee members of 2015/16. Before the end, a group picture of the committee members with the VIPs was taken. The meeting ended at 9.30pm sharp.
ICE ANNUAL DINNER 2016 (15th April 2016)

ICE Night 2016 was held successfully with the co-operations of all ICE Student Chapter committees. Approximately 120 students and 5 lecturers attended this annual dinner. Besides that, we also invited around 30 representatives from the sponsor companies which are Ecoworld, Sunway Construction, Gamuda, Cantilever, G&P and MRCB which continuously support UNMC ICE Student Chapter. Around 10 alumni also attended this annual dinner.

Throughout this event, students have chance to relax, have dinner, interact with each other and also enjoy the performances by Reharmnation, Chromation, Hyperactive Entertainment and finally magic show by Ross Stephenson.

ICE Night is not all about dinner and performances. There was also awards presentation to best performing students from each year. This award is a good acknowledgement to the hard work made by students and will keep students working hard.

In addition, during some free time between the events, students have chances to interact with representatives from different companies. Students can have more understanding of the specific company by talking to the company representatives. Students will also have better chance of securing the internship and job position in the company.

In conclusion, ICE Night 2016 was very successful. All the events proceed according to the plan. Everyone attended the annual dinner satisfied with it. ICE Night successfully brings students, lecturers and representative form companies together and interacts with each other.