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**NUCLEAR ENGINEERING  
STUDENT SOCIETY**  
ANNUAL REPORT



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Nuclear Engineering Student Society

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# #EXCEPT

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## ADVISOR OF THE BOARD OF TRUSTEES' WELCOME

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Assalamualaikum warahmatullahi wabarakatuh and greetings to our NESS UTM family,

This has been a year of refocusing and innovating for Nuclear Engineering Student Society as we launched our strategies to rebrand it, setting out our vision of providing a world-leading student experience for our members.

This year, we have performed very well financially to deliver an end of year surplus and therefore continue to build strong financial foundations for the society. This has enabled us to increase the quality and the quantity of support, development, and recreational services we provide for our members.

As part of our strategies, we refreshed our core elements and values and have refocused our commitment to demonstrate leadership, partnership, democracy, and inclusivity at the heart of all that we do for the benefit of our members.

Whilst our engagement in the university and the community continue to be field-leading, we know that we must do more to sustain this level of engagement and support for all our members. As such, we have been continuously reviewing and evaluating all our works in the year. Driven by our value of inclusivity, we have inculcated our values of leadership, partnership, democracy, and inclusivity into a framework that brings them to life for all our officers, members and volunteers.

Our standards set out the expectations and provided a framework for development and growth in NESS, which reflects a recognition that our members are by far our biggest asset in achieving our ambitious objectives. Each and every one of you is our biggest asset in our journey to achieve holistic growth as a fully developed student organization in the years to come.

This is NESS UTM's 5th year of operations. It has been a period that has seen the organization face many difficulties. Despite all those difficulties, our team has not let up on its concerted efforts in making NESS better. Our commitment to a better NESS continues unabated.

On behalf of the Board of Trustees, my deep respect and gratitude go to all NESS UTM members for their dedication and hard work, despite trying conditions, and I look forward to supporting them in achieving more goals in future. Thanks to all those who have been a member of the board this year for their invaluable contributions of expertise, insight, and support.




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**DR. ZULHAIRUN ABDUL KARIM**  
Advisor of the Board of Trustees



## PRESIDENT'S WELCOME

It is my greatest honour and privilege to serve the NESS as the 2018/2019 president. On behalf of the 2018/19 council leaders of NESS, I would like to express our unfeigned gratitude to all the past councils for their stewardships and contributions, and achievements during their terms in the office.

2018 has been a year of fantastic growth for NESS. We have rejuvenated all the fundamental elements in NESS as we launched the "Redefining NESS" strategic plan to rebrand NESS and benchmark it against well-established organizations outside of the university. The "Redefining NESS" strategic plan has outlined our members' vision for the future of NESS and has set NESS apart from all its peer organizations. It has also signified and magnified our passions and commitment to demonstrate leadership, partnership, and inclusivity at the heart of everything we take pride in.

Throughout the year 2018, NESS has impressed everyone with whom its programmes have crossed paths. Despite being one of the youngest and smallest student organization in UTM, NESS went exceedingly and distinctly well beyond student capabilities to organize and deliver two of the grandest events in UTM in the year 2018 – the International Nuclear Science, Technology, and Engineering Conference 2018 (iNuSTEC 2018) and the Intervarsity Nuclear Debate Challenge 2018 (INDC 2018).

We have also performed exceptionally well financially this year. Underpinned by our partnership growth and increasing maturity in our financial practices, our financial position continues to strengthen throughout the year, and we have built the strongest financial stability in the history of NESS. Despite fluctuating government policies and increasing challenges in terms of funding, our team has continued to align and adapt to ensure financial sustainability. Over the year, we have continued to formulate developmental programmes that are cohesive and impactful to attract sponsors. In the year ahead, I am sure that NESS will continue to evolve, innovate, and excel as it strives towards its vision.

I hold an exceptional place for NESS in my heart. I have never had a moment of doubt in believing that NESS will triumph over all its peer organizations in the university to win the UTM's GEMA Best Student Organization Award in 2019. All our toil, blood, tears, sweat, and everything we have accomplished in the past few months have made us, undeniably, the most exceptional student organization in the university. Therefore, I am certain that we will win the GEMA Best Student Organization Award in 2019. This is not a prediction, but a spoiler.

I am eternally grateful for all NESSians who believed in us, followed us, supported us, and stood by us during our toughest time. On behalf of the 2018/19 council leaders of NESS, my heartfelt gratitude and respect go to all NESSians, who withhold the entire galaxy within their loving souls. You were an incredible team, a delight to work alongside, an honour to lead, and the reason behind the exceptionality of NESS.

Thank you for all the hard work you do day in and day out. Thank you for never giving up. And thank you for being you.



**WEI GENE KHOR**

NESS President 2018/19

## REDEFINING NESS

For us, the year 2017 will be remembered for incredible opportunities and experiences. In 2018, we took a mighty leap into the great unknown.

We, the elected legislative council of 2018/2019, decided to redefine everything in NESS. Over the year, we outthought the limits of yesterday and redefined what is possible for tomorrow.

To celebrate the new era after us, this annual report explores the retrospectives of those moments we shared together with our members who trusted us, followed us, supported us, and enjoyed the experiences in NESS during our time in the office.

## REDEFINING THE PROFILE OF NESS

Founded in 2014 and chartered by Universiti Teknologi Malaysia (UTM), Nuclear Engineering Student Society (NESS) is the first nuclear engineering student society in Malaysia. NESS, as a student chapter affiliated to the Malaysian Nuclear Society (MNS), receive exceptional support from national and international bodies, agencies, and industries such as the Ministry of Higher Education of Malaysia, Malaysia Nuclear Agency, Malaysian Nuclear Power Corporation (MNPC), Atomic Energy Licensing Board (AELB), and the China National Nuclear Corporation (CNNC).

Parallel with the philosophy of UTM - The divine law of Allah is the foundation of knowledge. In line with His Will, UTM strives with total commitment to attaining excellence in science, technology, and engineering for the well-being and prosperity of mankind; NESS's mission is to provide professional developments and engagement programs to empower youths and the community to advance both academically and professionally in nuclear science, technology, and engineering. Since its establishment in 2014, NESS has accomplished remarkable success by developing and supporting its diverse network of strategically planned professional developments and engagement programs such as Nuclear Delegation to Bangkok 2014, International Nuclear Science, Technology, and Engineering Conference (iNuSTEC 2014), Nuclear Youth Congress 2015, Nuclear Awareness Camp (NuCamp), De Fermi Debate Competition (2015-2017), Nuclear Youth Summit 2017, Intervarsity Nuclear Debate Challenge 2018, and also the International Nuclear Science, Technology and Engineering Conference (iNuSTEC 2018).

Aligned with its vision – To be globally recognized as a leading nuclear society in catalyzing and transforming youth and community, igniting scientific minds and inspiring professional spirits. NESS, with its members from different backgrounds, ethnicities, and nationalities, works synergistically with national and international bodies, agencies, and industries to educate youth and communities about the truths of nuclear technologies in an effort to help society to differentiate between facts and myths of nuclear technology.

As a collective force - educator, advocate, and community member, NESS works with unwavering commitment to shape a better future for its members and all of us, to keep its growth sustainable and to maintain its competitive advantages and also opportunities to access a broader range of resources and expertise in its pursuit of the future of energy in Malaysia; NESS initiated and formalized a strategic partnership with the Nusantara Technologies, a leader in the field of metallurgical, calibration and non-destructive testing in Malaysia and worldwide. Since 2014, NESS has built an unrivalled depth of trust, reliability, and connection with the community.

In NESS, we value accountability, integrity, hard work, respect, and personal dedication. These values are embedded in every member of NESS, and we believe that it's our responsibility to influence people around us.

The world today possesses a trend of high energy demand, and Malaysia will be struggling to cope up with energy demand in a few decades. In NESS, we know that the sustainability and power provided by nuclear energy is the answer to the future energy demand in Malaysia. We fear that one day Malaysians will wake up to a powerless Malaysia simply because the best energy source is ignored - nuclear energy.

## REDEFINING THE FUNDAMENTAL ELEMENTS IN NESS

### PHILOSOPHY

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From an infinitesimal atom somewhere out of nowhere to the edge of our never-ending universe, NESS strives with genuine commitment to attain exceptionalism in everything.

### VISION

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To be globally recognized as a leading nuclear society in catalyzing and transforming youth and community, igniting scientific minds, and inspiring professional spirits.

### MISSION

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To provide professional developments and engagement programs to empower youths and community to advance both academically and professionally in nuclear science, technology, and engineering.

### CORE VALUES

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Exceptionalism . Motivative . Collaborative

### TAGLINE

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Exceptional Synergy, Endless Possibilities.

## AFFILIATIONS

### NESS AFFILIATIONS

As an effort in spurring our nation into a new age of elite minds, we continue to align ourselves with industry leading companies and organizations as part of our ongoing commitment to establish strategic partnerships. NESS is affiliated to the following entities as of December 2018:



#### **The Malaysian Nuclear Society (MNS)**

Malaysian Nuclear Society (MNS), established in 1988, is a non-governmental organization committed to promote the peaceful use of nuclear science and technology. Throughout the constantly evolving advancement of the nuclear engineering industry, MNS has been at the heart of Malaysia's nuclear industry since its establishment.

NESS is a student chapter of MNS.



#### **Institution of Nuclear Engineers Malaysia (INE)**

As the first nuclear engineers' community in Malaysia, the Institution of Nuclear Engineers Malaysia is the largest network of nuclear engineering knowledge, skill and opportunity in Malaysia. With its ever-growing membership, the institution developed and maintained key partnerships with leading multi-national companies and organizations to ensure their technical workforce is trained to the highest standard. INE equips their members with the right skills, knowledge, and experience to help them develop, with an effort to strengthen the nuclear industry in Malaysia.

NESS is a student chapter of INE.



#### **Nusantara Technologies Sdn. Bhd.**

Nusatek is a service provider in the test, calibration and inspection field with vast experience in Oil & Gas industry, steel fabricator, steel structure, power plant, manufacturing, automotive, and transportation sectors. As a one-stop centre for test and inspection, Nusatek is obliged to provide an extensive range of services to meet required standards and specifications via testing and quality control.

Nusatek has been an official sponsor of NESS for years.

## LEGISLATIVE CHANGES

The Legislative Council (LC) made several notable changes to the constitution of NESS and policies. These changes were adopted to optimize the transparency, accountability and professionalism in NESS. The LC:

- Improved confidentiality measures in NESS.
- Standardized officer requirements.
- Clarified proposal submission procedure, allowing for better member engagement.
- Facilitated a new general meeting structure.
- Formalized the Department of Strategic Partnership.
- Formalized the connections between NESS and its partners.
- Established the Department of Information Technology.
- Maintained impartiality in the selection of officers and volunteers.
- Adhered to high moral and ethical principles.
- Monitored and evaluated all our works.
- Consulted beneficiaries and partners continuously.
- Transparent in information sharing.
- Transparent in expenditure.
- Transparent in resource management.

## **DEPARTMENTS UNDER NESS IN 2018/19**

### **I. DEPARTMENT OF WELFARE**

The Department of Welfare coordinates and manage all benefits of NESS members.

### **II. DEPARTMENT OF CORPORATE AFFAIR & NETWORKING**

The Department of Corporate Affair & Networking extends the first hand that welcomes community around NESS. By serving on the front lines of diplomatic engagement of NESS, this department promotes NESS and build new bridges of understanding between NESS and people around it.

### **III. DEPARTMENT OF PROGRAMME & ACTIVITIES**

The Department of programme & Activity is the general management arm of the council and provides the principal support in formulating policy and in providing advice to programme directors. It exercises general supervision over all the other operating units, carries out programme functions that are assigned by the secretaries and provides administrative and other support services for designated operating units.

### **IV. DEPARTMENT OF MULTIMEDIA & PUBLICITY**

The Department of Multimedia & Publicity is responsible for all our contents related to text, video, sound, graphics and animation. It specializes in two-dimensional or three-dimensional animation or interactive media design including website development and digital video production. This department specializes in gaining public visibility for NESS via social media.

### **V. DEPARTMENT OF SPORT & SPECIAL TASKS**

The Department of Sports & Special Task plans, implements, controls and maintain the quality and active involvement of NESS in various sports and extracurricular activities. This department transforms the delivery of sport and recreation in NESS by ensuring equitable access, development and excellence at all levels of members participation.

### **VI. DEPARTMENT OF STRATEGIC PARTNERSHIP**

Department of Strategic Partnership provides NESS with a competitive advantage and an opportunity to access a broader range of resources. A strategic partnership is a relationship between two entities, usually formalized and bounded by one or more agreements or contracts.

### **VII. DEPARTMENT OF ENTREPRENEURSHIP**

The Department of Entrepreneurship coordinates financial planning and is always eagerly looking for business opportunities to assist NESS in achieving financial stability.

### **VII. DEPARTMENT OF INFORMATION TECHNOLOGY**

The Department of Information Technology handles computer software, hardware and networking tools in NESS. It works to make legitimate documentation, processes and also integrate with other departments in the management of website and social media.



**KHOR WEI GENE**  
PRESIDENT



**ABU HUZAIFAH BIN BUKHARI**  
DEPUTY PRESIDENT



**JEKAN A/L ASOKUMARAN**  
SECRETARY



**YAP WEE KIN**  
VICE SECRETARY



**DEVINTHARAAJ A/L KUMAR**  
TREASURER



**OON JUN TECK**  
VICE TREASURER



**MOHD UMAR SARHAN BIN  
KHAIRUL ANUAR**  
HEAD OF DEPARTMENT  
(WELFARE)



**AMIER GADDAFI BIN CHE  
MOHAMAD ZAKI**  
HEAD OF DEPARTMENT  
(CORPORATE AFFAIR & NETWORKING)



**AMMAR BIN ISMAIL**  
HEAD OF DEPARTMENT  
(PROGRAMME & ACTIVITIES)



**MUHAMMAD KHALIS BIN SUKAINI**  
HEAD OF DEPARTMENT  
(MULTIMEDIA & PUBLICITY)



**YOGAVAEEL SELVAM**  
HEAD OF DEPARTMENT  
(SPORT & SPECIAL TASK)



**ABU HUZAIFAH BIN BUKHARI**  
HEAD OF DEPARTMENT  
(STRATEGIC PARTNERSHIP)



**KAMESHVARRAO A/L SEIGER**  
HEAD OF DEPARTMENT  
(ENTREPRENEURSHIP)



**ASYRAF BIN ABDUL RAZAK**  
HEAD OF DEPARTMENT  
(INFORMATION TECHNOLOGY)



## PROFILE OF LEGISLATIVE COUNCIL LEADERS



### Khor Wei Gene

President

**Nationality** : Malaysian

**Age** : 23

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

### Directorship(s) and/or Appointment(s)

- President of NESS (2018/2019)
- Director of Young Leader Project of NESS (2018/2019)
- Deputy President of NESS (2017/2018)
- Head of Department of Strategic Partnership, NESS (2017/2018)
- Secretary of the International Nuclear Science, Technology and Engineering Conference 2018
- Director of the OLYMPIAD NESS 2017
- Executive Officer of Team Strategic Partnership of NESS 2016
- Associate Officer of Nuclear Youth Summit 2017
- Associate Officer of Nuclear Awareness Camp 2017
- Associate Officer of NESS (2016/2017)
- SUKAM Badminton Player (2016/2017)



### Abu Huzaifah Bin Bukhari

Deputy President / H.O.D (Strategic Partnership)

**Nationality** : Malaysian

**Age** : 22

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

### Directorship(s) and/or Appointment(s)

- Vice President of NESS (2018/2019)
- Vice Director of Intervarsity Nuclear Debate Challenge 2018
- Head of Department of Protocol, International Nuclear Science, Technology and Engineering Conference 2018
- Treasurer, NESS (2017/2018)
- Associate Officer of Nuclear Youth Summit 2017
- Associate Officer of Nuclear Awareness Camp 2017
- Associate Officer of NESS (2016/2017)



**Jekan A/L Asokumaran**

Secretary

**Nationality** : Malaysian

**Age** : 22

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

**Directorship(s) and/or Appointment(s)**

- President of PERSIS UTM (2018/2019)
- Secretary of NESS (2018/2019)
- Speaker of Inter-PERSIS Benchmark programme 2019
- Head of Department of Booth & Exhibition, UTM CC 2019
- Executive of Technical Department, UTM CC 2019
- Director of Diversity and Inclusion Youth Conference 2018
- Head of Department of Exhibition Support, International Nuclear Science, Technology and Engineering Conference 2018
- Head of Department of Accommodation, International Cultural Exchange 2018
- Executive of Student Affairs in Persatuan Mahasiswa Hindu (2017/2018)



**Yap Wee Kin**

Vice Secretary

**Nationality** : Malaysian

**Age** : 22

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

**Directorship(s) and/or Appointment(s)**

- Vice Secretary of NESS (2018/2019)
- Head of Department of Accommodation, Intersarsity Nuclear Debate Challenge 2018
- Head of Department of Publicity, International Nuclear Science, Technology and Engineering Conference 2018
- Director of the Nuclear Freshie Camp 2018
- Associate Officer of NESS (2017/2018)



### Devintharaaj A/L Kumar

Treasurer

**Nationality** : Malaysian

**Age** : 22

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

#### Directorship(s) and/or Appointment(s)

- Treasurer of NESS (2018/2019)
- Director of Merbauan Food Festival 2018
- Director of Intervarsity Nuclear Debate Challenge 2018
- Executive of Secretariat in International Nuclear Science, Technology and Engineering Conference 2018
- Head of Department of Programme & Activities, NESS (2017/2018)
- Secretary of Welfare Department in College Student Committee KTHO
- Executive Officer of Human Relation in Institution of Engineers Malaysia Student Section
- Executive Officer of Human Resources in Society of Petroleum Engineers UTM Student Chapter
- Associate Officer of NESS (2016/2017)
- Associate Officer of Nuclear Youth Summit 2017
- Treasurer of the OLYMPIAD NESS 2017



### Oon Jun Teck

Vice Treasurer

**Nationality** : Malaysian

**Age** : 23

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

#### Directorship(s) and/or Appointment(s)

- Vice Treasurer of NESS (2018/2019)
- Director of International Nuclear Science, Technology and Engineering Conference 2018
- Executive Officer in Department of Strategic Partnership (2017/2018)
- Executive Officer in Merbauan Food Festival 2018
- Executive Officer in OLYMPIAD NESS 2017
- Associate Officer of NESS (2016/2017)



**Mohd Umar Sarhan Bin Khairul Anuar**  
H.O.D (Welfare)

**Nationality** : Malaysian

**Age** : 22

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

**Directorship(s) and/or Appointment(s)**

- Head of Department of Welfare, NESS (2018/2019)
- Vice Director of International Nuclear Science, Technology and Engineering Conference 2018
- Secretary of Kelab Hikmah under College Student Committee KTHO
- Associate Officer of Nuclear Youth Summit 2017
- Associate Officer of Nuclear Awareness Camp 2017
- Associate Officer, NESS (2016/2017)



**Amier Gaddafi Bin Che Mohamad Zaki**  
H.O.D (Corporate Affair & Networking)

**Nationality** : Malaysian

**Age** : 22

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

**Directorship(s) and/or Appointment(s)**

- Head of Department of Corporate Affair & Networking, NESS (2018/2019)
- Vice President of Merbauan Volleyball (2018/2019)
- President of Global Leadership Track UTM 5ETP (2018/2019)
- Head of Department of Programme, Intervarsity Nuclear Debate Challenge 2018
- Executive of Department of Protocol, International Nuclear
- Science, Technology and Engineering Conference 2018
- Director of International Cultural Exchange 2018
- Executive Officer in UTM Global Buddies (2017/2018)



### Ammar Bin Ismail

H.O.D (Programme & Activites)

**Nationality** : Malaysian

**Age** : 22

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

### Directorship(s) and/or Appointment(s)

- Head of Department of Programme & Activities, NESS (2018/2019)
- UTM Rugby Team Captain (2018/2019)
- Head of Department of Sponsorship, UTM 10'S (2018/2019)
- Head of Department of Competition, Intervarsity Nuclear Debate Challenge 2018
- Executive Officer of International Nuclear Science, Technology and Engineering Conference 2018



### Muhammad Khalis Bin Sukaini

H.O.D (Multimedia & Publicity)

**Nationality** : Malaysian

**Age** : 22

**Date of Appointment** : 24 May 2018

**Academic Qualification** : Bachelor of Engineering (Nuclear)

### Directorship(s) and/or Appointment(s)

- Head of Department of Multimedia & Publicity, NESS (2018/2019)
- Head of Department of Multimedia, Intervarsity Nuclear Debate Challenge 2018
- Executive of Department of Graphic Art Design, International Nuclear Science, Technology and Engineering Conference 2018
- Executive officer of International Cultural Exchange 2018
- Executive Officer in UTM Global Buddies (2017/2018)



**Yogavael Selvam**

H.O.D (Sport & Special Task)

**Nationality** : Malaysian

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**Age** : 22

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**Date of Appointment** : 24 May 2018

---

**Academic Qualification** : Bachelor of Engineering (Nuclear)

**Directorship(s) and/or Appointment(s)**

- Head of Department of Sport & Special Task, NESS (2018/2019)
- Head of Department of Sponsorship, Intersarsity Nuclear Debate Challenge 2018
- Head of Department of Sponsorship, International Cultural Exchange 2018
- Executive Officer of International Nuclear Science, Technology and Engineering Conference 2018



**Kameshvarrao A/L Seiger**

H.,O.D (Entrepreneurship)

**Nationality** : Malaysian

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**Age** : 20

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**Date of Appointment** : 24 May 2018

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**Academic Qualification** : Bachelor of Engineering (Nuclear)

**Directorship(s) and/or Appointment(s)**

- Head of Department of Entrepreneurship, NESS (2018/2019)
- Head of Department of Logistics, Intersarsity Nuclear Debate Challenge 2018
- Executive Officer of International Nuclear Science, Technology and Engineering Conference 2018
- Executive of Department of Logistics, Nuclear Freshie Camp 2018



**Asyraf Bin Abdul Razak**  
H.O.D (Information Technology)

#### Directorship(s) and/or Appointment(s)

- Head of Department of Information Technology, NESS (2018/2019)
- Head of Department of Multimedia, International Nuclear Science, Technology and Engineering Conference 2018
- Executive Protocol Officer of Intersarsity Nuclear Debate Challenge 2018

**Nationality** : Malaysian

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**Age** : 22

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**Date of Appointment** : 24 May 2018

---

**Academic Qualification** : Bachelor of Engineering (Nuclear)

**NESS ASSOCIATE OFFICER DATABASE 2018/2019****DEPARTMENT OF WELFARE**

Amirah Hanum Binti Amil Amran	980610-05-5452	A17KT0023
Muhammad Azri Bin Mohd Ali	981021-04-5445	A17KT0157
Muhammad Danial bin Ab.Rasip	990531-08-8191	A18KT0155

**DEPARTMENT OF CORPORATE AFFAIRS & NETWORKING**

Bryan Yong Wei Hong	970620-14-5401	A17KT0037
Ummul Farah Binti Abdul Hamid	971215-10-6286	A17KT0312
Fadhila Binti Jamaluddin	991231-14-6710	A18KT0066

**DEPARTMENT OF PROGRAMME & ACTIVITIES**

Devi Durgaashini A/P Ramesh	990502-02-7138	A18KT0058
Nurul Izatie binti Sabri	990212-06-5240	A18KT0248
Alisya Dalila Binti Samsul Kamal	981209-01-6072	A17KT0019

**DEPARTMENT OF MULTIMEDIA & PUBLICITY**

Abdullah Nu'man bin Nor'aini	990709-01-7711	A18KT0001
Chai Chan Ful	980222-01-6531	A18KT0033

**DEPARTMENT OF SPORTS & SPECIAL TASK**

Muhammad Irsyad Bin Murtadha	980921-03-5651	A17KT0182
Kuhan A/L Arahan	990325-10-5595	A18KT0103

**DEPARTMENT OF STRATEGIC PARTNERSHIP**

Muhammad Amir Safwan bin Zamani Ahmad	990505-10-8363	A18KT0150
Muhammad Khairul Fahmi bin Ibrahim	990626-01-5681	A18KT0177
Tam Lih Jang	980909-56-5377	A18KT0290

**DEPARTMENT OF ENTREPRENEURSHIP**

Mohammed Sadeq Noman Mansoor	7479586	A18KT4002
Muhammad Nazhif Hadri bin Abdul Hadi	991110-08-6299	A18KT0182
Tan Jia Yee	980220-14-5815	A18KT0291

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Thirunaukkarasu A/L Asogan	990327-01-5569	A18KT0311
Nur Alya Haziqah binti Hamizan	990903-01-5250	A18KT0222
Leong Zheng Hao	970630-14-5683	A17KT0109



**MEMBERSHIP TOTALS**

(This is updated each semester to reflect the most current membership totals)

YEAR	NUMBER				TOTAL
	1 <sup>ST</sup> YEAR	2 <sup>ND</sup> YEAR	3 <sup>RD</sup> YEAR	4 <sup>TH</sup> YEAR	
2012	31	-	-	-	<b>31</b>
2013	30	31	-	-	<b>63</b>
2014	23	30	31	-	<b>84</b>
2015	15	23	30	31	<b>99</b>
2016	29	15	23	30	<b>97</b>
2017	30	29	15	23	<b>97</b>
2018	30	30	29	15	<b>104</b>

**NOTABLE MEMBER ACHIEVEMENTS**

(As of December 2018)

**ASYRAF ARIF BIN ABU BAKAR**

2016 Special Award – Board of Engineers Malaysia

**MUHAMMAD ARIF BIN SAZALI**

2016 Special Award - Mikro Spektrum Sdn. Bhd.

**NUR SYAZWANI BINTI MOHD ALI**

2016 Special Award - Mikro Spektrum Sdn. Bhd.

**SYAHEER SABRI**

Faculty Leadership Award 2016

**SYAHEER SABRI**

2017 UTM Vice Chancellor Award

**MUHAMMAD ZUHAILI BIN MOHAMMAD AMINUDDIN**

2018 Special Award sponsored by ZL Technologies

**KHAIRULNADZMI BIN JAMALUDDIN**

2018 Special Award sponsored by ZL Technologies

**NURLAILA BINTI SYAMSUL BAHRI**

2018 Special Award sponsored by ZL Technologies

**TIU HOR YEN**

2018 Special Award sponsored by ZL Technologies

**LEE JUN KEAT**

2018 Academic Excellence Award

**MUHAMMAD WAZIF MOHD SALLEHHUDIN**

2018 Alumni Award

**SEE ZHI FEI**

2018 Special Award sponsored by ZL Technologies

**SAKESHRAJ A/L NARAJAH**

2018 Special Award - Mikro Spektrum Sdn. Bhd.

**KHAIRUL ANWAR BIN BAPUJEE**

2018 Special Award - Mikro Spektrum Sdn. Bhd.

## **IMPLEMENTED MEMBERSHIP BENEFITS**

(As of December 2018)

### **I. NUBOOKS RESERVATION PRIVILEGE**

NUBOOKS reservation can be done at <http://www.utm.my/ness/reservation/>.

### **II. NESS SUBSIDIZATION**

NESS subsidizes for all members, at least 60% of all fees in NESS.

### **III. YOUNG LEADER PROJECT**

NESS allows its members to propose event ideas and provide supports by giving guidance and assistance.

### **IV. MEMBER APPRECIATION**

The giving of NESS Leadership Awards, NESS Academic Awards, NESS Athletic Awards, NESS Committed Member Awards, and much more.

### **V. NESS LEARNS**

NESS provides free workshops and leadership training programs.

### **VI. MAXIMIZATION OF VISIBILITY**

NESS maximizes the visibility and exposure of members through its online directory and social media.

### **VII. MAXIMIZATION OF NETWORKING**

NESS allows and assists its members in developing connections during networking events.

### **VIII. NESS GOOGLE DRIVE**

NESS provides complete accessibility to all its members in accessing its Google Drive for allowable purposes.

### **IX. NESS COLLECTION OF EXAMINATION PAPERS**

NESS collects all past exam papers and provides complete accessibility to all its members in accessing those papers.

### **X. NESS DEMOCRACY**

NESS embedded the value of democracy into its decision-making to support members engagement in the society.

## HIGHLIGHTS

### HIGHLIGHTS OF THE YEAR

(As of December 2018)

#### I. LAUNCHING OF NESS OFFICIAL WEBSITE

NESS official website is now officially available, and the URL is [www.utm.my/ness](http://www.utm.my/ness).

#### II. NUBOOKS RESERVATION ON NESS WEBSITE

We established the NUBOOKS Reservation on our website. Now our members can lend books in the Mini Nuclear Library at T03, Universiti Teknologi Malaysia via our website.

#### III. NESS WEBSITE DESIGNER

We appointed 2 website designers (our executive officers) in September 2018.

#### IV. NESS SOCIAL MEDIA

To increase NESS online presence, we created new Facebook page (@nessutmofficial) and Instagram account (@nessutmofficial). NESS social media hits around 3000 followers and accumulated 22355 likes as of December 2018.

#### V. NESS PHOTOGRAPHER

We appointed 4 official photographers (our executive officers) in September 2018.

#### VI. MEDIA MENTIONS OF NESS

NESS was mentioned on several media during the Intervarsity Nuclear Debate Challenge 2018 (INDC 2018) and the International Nuclear Science, Technology, and Engineering Conference 2018 (iNuSTEC 2018).

#### VII. RELATIONS WITH THE FACULTY

We maintained optimum relations with the Faculty of Engineering, Universiti Teknologi Malaysia. One of our executive officers was appointed as the director of the Faculty of Engineering Student Carnival 2019 by the management. Our executive officers were involved in almost every programme under the faculty.

#### VIII. RELATIONS WITH OTHER ORGANIZATIONS

We maintained optimum relations with other organizations around us by being part of multiple collaborations. Some collaborations are still in the pipeline.

#### IX. EXECUTIVE RELATIONS WITHIN NESS

Constant communication was maintained in our team to ensure that we are working synchronously with our officers. We ensured all tasks are straightforward by employing best possible strategies. All our events are followed by executive meetings and feedbacks.

## **X. COMMUNICATION MADE EASY**

Apart from fortnightly executive meetings, we kept regular contact by means of a WhatsApp group. Important issues, as well as decisions, were discussed in this mean by use of polls. Communications with our stakeholders and partners were kept using regular emails and meetings.

## **XI. FORMALIZATION OF NESS RELATION WITH NUSATEK**

We formalized our strategic partnership with Nusantara Technologies Sdn. Bhd., allowing us to feature them on all our media.

## **XII. NESS TRANSPARENCY**

We ensured and preserved transparency in the board of directors by means of open communication and official reporting systems.

## **XIII. STANDARDIZATION OF PAPERWORK**

We standardized the format of all our paperwork, including programme report, programme proposal, and financial statement.

## **XIV. NESS DOCUMENTATION**

A Google Drive with all the necessary documents was set up and was kept under moderation throughout the year, we ensured all works are documented with sufficient proof. A filing system was also established by which all the important data was printed and kept as hard copies.

## **XV. NESS ASSETS ARRANGEMENT**

We collected all organization assets from the previous council and transferred them to our office.

## **XVI. NESS OFFICE RENOVATION**

We organized everything in our office at M43, Universiti Teknologi Malaysia for optimum accessibility, we also reduced the amount of unimportant items that took up space unnecessarily to prevent disorganization and loss in productivity of our officers.

## **XVII. NESS EXHIBITION**

We exhibited NESS to the public during the International Nuclear Science, Technology and Engineering Conference 2018 (iNuSTEC 2018) alongside with the Malaysian Nuclear Society and the China National Nuclear Corporation (CNNC).

## **XVII. NESS MEMBER DATABASE**

We completed the NESS member database (as of December 2018).

## **XVIII. NESS MEMBER DATABASE RE-EVALUATION**

We reevaluated and updated the format of our member database.

## HIGHLIGHTS

### **XIX. NESS MEMBER AWARDS REQUIREMENTS**

We updated and standardized the requirements of winning awards in NESS.

### **XX. NESS MEMBER AWARDS QUANTITY**

We updated and increased the awards for our members to more than 30.

### **XXI. NESS MEMBER AWARDS QUALITY**

We allocated more budget to improve the quality of our member awards.

### **XXII. NESS LinkedIn PROFILE**

We registered NESS official LinkedIn Profile to allow our members to feature NESS in their personal profiles.

### **XXIII. NESS WOMEN IN NUCLEAR INITIATIVE**

We proposed and initiated the NESS Women in Nuclear Project.

**CALENDER OF EVENTS**

(Till May 2019)

2018

**MAY**

**24 MAY**

**APPOINTMENT OF NEW LEGISLATIVE COUNCIL**

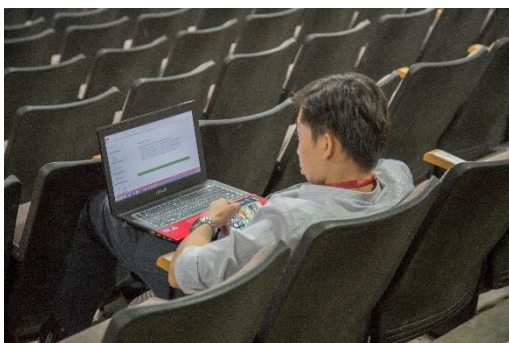
Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



**30 MAY**

**FIRST GENERAL MEETING**

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



**JUNE**

**5 JUNE**

**IMPLEMENTATION OF REDEFINING NESS STRATEGY**

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



**23 JUNE**

**STARTUP OF NESS WEBSITE**

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



CALENDER

(Semester Break from July to August)

SEPTEMBER

27 - 29 SEPTEMBER

**NUCLEAR FRESHIE CAMP  
2018**

Teluk Gorek, Mersing, Johor,  
Malaysia.



30 SEPTEMBER

**ANNOUNCEMENT OF NESS  
YOUNG LEADER PROJECT**

Universiti Teknologi Malaysia,  
Skudai, Johor, Malaysia.



OCTOBER

12 OCTOBER

**MEETING WITH NEW MEMBERS**

Universiti Teknologi Malaysia,  
Skudai, Johor, Malaysia.





# NOVEMBER

## 16 - 18 NOVEMBER

### INTERVARSITY NUCLEAR DEBATE CHALLENGE 2018

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



## 18 NOVEMBER

### INTERVARSITY NUCLEAR DEBATE CHALLENGE 2018 APPRECIATION DINNER

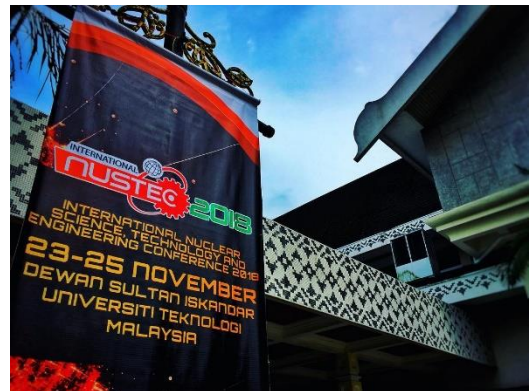
Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



## 23 - 25 NOVEMBER

### INTERNATIONAL NUCLEAR SCIENCE, TECHNOLOGY, AND ENGINEERING CONFERENCE 2018

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



## 25 NOVEMBER

### NUCLEAR YOUTH COMPETITION 2018

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



## 27 NOVEMBER

### MONTE CARLO N-PARTICLE (MCNP) SIMULATION WORKSHOP

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



## 28 NOVEMBER

### LAUNCHING OF NUBOOKS RESERVATION

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.



## 30 NOVEMBER

### NESS OFFICIAL WEBSITE PUBLISHED

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia.

**NUCLEAR ENGINEERING STUDENT SOCIETY**

**DISCOVER UNLIMITED POTENTIAL IN THE ATOM AND BEYOND**

The NESS is a student organization that provides a platform for students to explore the world of nuclear engineering and its applications. We aim to foster a sense of community and provide a supportive environment for our members to grow and learn.

**OUR LEADERS**

Our leadership team is composed of dedicated and passionate individuals who are committed to the growth and development of the society.

**PHILOSOPHY**

**VISION**

**MISSION**

**CORE VALUES**

(Semester Break from January to February)

## DECEMBER

### 30 NOVEMBER

#### INITIALIZATION OF NESS WOMEN in NUCLEAR (NWiN)

Universiti Teknologi Malaysia,  
Skudai, Johor, Malaysia.



### 15 DECEMBER

#### APPROVAL OF FIRST PROGRAMME UNDER NESS YOUNG LEADER PROJECT

Universiti Teknologi Malaysia,  
Skudai, Johor, Malaysia.



2019

MARCH

16 MARCH

**NESS YOUNG LEADER PROJECT:  
TOGETHER-NESS DAY 2019**

Universiti Teknologi Malaysia,  
Skudai, Johor, Malaysia.



28 MARCH

**NESS WOMEN in NUCLEAR  
(NWIn) FEASIBILITY  
DISCUSSION MEETING**

Universiti Teknologi Malaysia,  
Skudai, Johor, Malaysia.



APRIL

6 APRIL

**NESS YOUNG LEADER PROJECT:  
NUCLEAR AWARENESS  
ROADTOUR 2019  
(NEWCLEAR 2019)**

Sekolah Tun Fatimah  
Johor Bahru, Johor, Malaysia.



MAY

8 MAY

**NESS  
ANNUAL GRAND MEETING 2019**

Pulai Springs Resort,  
Pulai, Johor, Malaysia.



8 MAY

**NESS  
ANNUAL GRAND DINNER 2019**

Pulai Springs Resort,  
Pulai, Johor, Malaysia.



JUNE

30 JUNE

**OFFICIAL RETIREMENT OF THE  
2018/2019 LEGISLATIVE COUNCIL**

Universiti Teknologi Malaysia,  
Skudai, Johor, Malaysia.

**2018/2019  
NUCLEAR ENGINEERING STUDENT SOCIETY**

Meet our exceptional leaders who brought NESS to a whole new level of exceptionality



OF ETERNAL FIDELITY AND EVERLASTING FAITHFULNESS,

WE DEDICATE THIS TO OUR PEOPLE, WHO, FROM WHO  
EVERYTHING IN NESS TODAY COMES,

AND WHO, THROUGHOUT THEIR TIME IN NESS, ETCHED IN THE  
WALLS OF OUR HEARTS,

THE IMPORTANCE OF TRUST.

## NUCLEAR FRESHIE CAMP 2018

In NESS, we know that leaving home to attend university is a considerable transition for both students and families. Therefore, we developed and implemented the Nuclear Engineering Students First-Year Experience Camp to assist and encourage our members to get involved right from the start and seek new opportunities to learn and build long-lasting friendships.

This year, we developed and implemented the “TogetherNESS brings GreatNESS” Nuclear Freshie Camp 2018 to give our new family members their best first-year experience. We know that transitioning to university can be exciting, stressful, challenging, and fun, and the first year is often the hardest; therefore, during our First-Year Experience Camp, our departments work collaboratively to provide our new first-year members with academic and student support services, develop leadership skills among them, acclimate them to university life, and connect them with our existing members, and also Universiti Teknologi Malaysia engineering faculty and staffs.





**OBJECTIVES**

- To provide our diverse network of strategically planned support services and programs that address the academic, personal and social needs of our new members.
- To provide outreach to our new members who are experiencing difficulties in academics, social, or family.
- To nurture positive attitudes towards the shaping of one's character, personality, and mindset.
- To encourage our members to get involved right from the start, seek new opportunities to learn and build long-lasting friendships.

**PARTNER**

Universiti Teknologi Malaysia

**LOCATION**

Teluk Gorek Chalet and Campsite, Teluk Resang, Mersing, Johor.

**DATE**

27 – 29 September 2018



## INTERVARSITY NUCLEAR DEBATE CHALLENGE 2018 (INDC 2018)

In pursuing our vision, we strive and adhere to our mission - to provide professional developments and engagement programs to empower youths and the community to advance both academically and professionally in nuclear science, technology and engineering.

Intersivity Nuclear Debate Challenge 2018 was a medium we used to bring together youths from local and abroad universities to learn, share, exchange ideas, network and debate on issues related to nuclear science, engineering and technology.

Being held annually, Intersivity Nuclear Debate Challenge is an excellent platform for youths to learn about issues related to worldwide energy demand and also advanced nuclear engineering.



**OBJECTIVES**

- To enhance the understanding of the community towards nuclear energy.
- To nurture and generate practical critical thinking.
- To provide a significant training ground for the development of communicative abilities.
- To develop powers of persuasion in youths.
- To develop intellectual logic in discussions about nuclear energy.

**PARTNER**

- Universiti Teknologi Malaysia
- Malaysian Nuclear Society

**LOCATION**

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

**DATE**

16 – 18 November 2018

**RESULT**

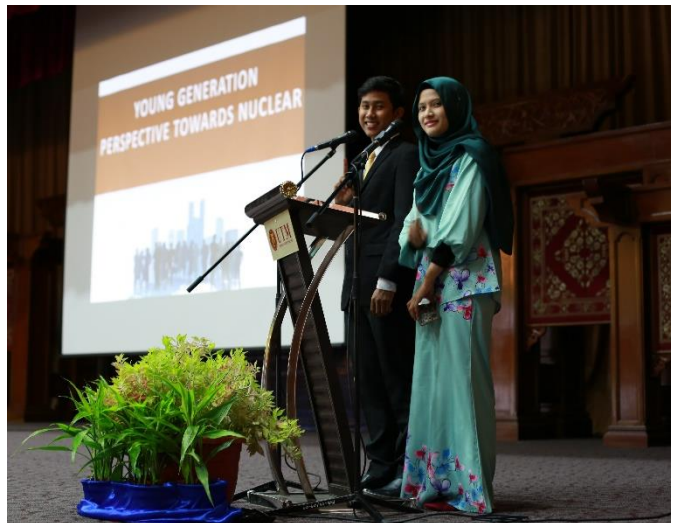
Champion : Universiti Teknologi Malaysia  
 1<sup>st</sup> Runner-up : Universiti Tenaga Nasional  
 2<sup>nd</sup> Runner-up : Universiti Teknologi Mara



# INTERNATIONAL NUCLEAR SCIENCE, TECHNOLOGY AND ENGINEERING CONFERENCE 2018 (INUSTEC 2018)

Epitomized by its 2018 theme “Sustainable Nuclear Science and Technology for Well-Being of Mankind”, the International Nuclear Science, Technology and Engineering Conference 2018 (iNuSTEC 2018) is devoted to facilitate networking and cooperation among parties who are involved in any aspect of the nuclear industry.

iNuSTEC 2018 serves as a platform for scientists, researchers, and interested parties around the world to share experiences and exchange their knowledge and new findings on nuclear science, engineering, quantum, and radiation-related technologies while providing a unique opportunity for researchers, policy makers, and development practitioners to answer some of the challenges in the developing nuclear industry.





**OBJECTIVES**

- To serve as a platform for scientists, researchers, and interested parties around the world to share experiences and exchange their knowledge and new findings on nuclear science, engineering, quantum, and radiation-related technologies.
- To deliver a convergence of knowledge, wisdom, science, technology, engineering, and humanity.
- To provide a unique opportunity for researchers, policymakers, and development practitioners to answer some of the challenges in the developing nuclear industry.
- To enhance human capital and to raise the level of public awareness on the benefits of nuclear energy.

**PARTNER**

- Universiti Teknologi Malaysia
- Malaysian Nuclear Society

**LOCATION**

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

**DATE**

23 – 25 November 2018



## NESS YOUNG LEADER PROJECT: TOGETHER-NESS DAY 2019

In NESS, we are driven by our passion, integrity, entrepreneurialism, and innovative spirit to spur our nation into a new age of elite minds. We aim to be among the most competitive and productive organization at this level, and we know that leadership is the utmost fundamental in achieving our vision. Therefore, as proposed, NESS Young Leader Project is devoted to develop leaders of tomorrow by acquainting them with essential leadership skills today. Whether in political bodies, non-political organizations, social or economic enterprises, today's leaders are challenged to negotiate, decide, transform, and adapt in a world of ever-growing complexity. These leaders need to be equipped with leadership skills to address dilemmas, priorities, inequalities, cynicism, and defamation they might face or trigger in the future.

Reflectively, our first-ever programme registered under the 2020 NESS Young Leader Project - TogetherNESS Day, engaged emerging leaders in NESS with a solid commitment to challenges for the year 2020. Our TogetherNESS Day 2019 diagnosed leadership challenges at macro, micro, and individual levels while rebooting the understanding towards leadership.

And of course, we had a lot of fun together!

### OBJECTIVES

- To bring NESS members closer to each other and to provide a sense of belonging and security for every member in NESS.
- To encourage positive behavior and improve self-esteem of NESS members.
- Strengthen the links between leadership and teamwork to promote excellence and the nation's development.
- To promote thrift toward strengthening the social, moral and well-being of NESS members.
- To enhance human capital and to raise the level of awareness on the importance of teamwork and communication.

### PARTNER

- Universiti Teknologi Malaysia

### LOCATION

Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

### DATE

16 March 2019



## NESS YOUNG LEADER PROJECT: NUCLEAR AWARENESS ROADTOUR 2019 (NEWCLEAR 2019)

Our second programme registered under the 2020 NESS Young Leader Project - Nuclear Awareness Roadtour 2019 (NewClear 2019), was to educate youth and the community around us about the truths of nuclear technologies; it was an effort by NESS to help the society differentiate between facts and myths of nuclear technology.

The campaign, namely Nuclear Awareness Road Tour 2019 (NewClear 2019, previously known as NuCamp), was first established to spread awareness regarding nuclear energy amongst Malaysians, who majorities still believe that the issue should be considered taboo. It has come to us that it is time for the people to stop stigmatizing nuclear energy and start acknowledging it as one of the primary sources of energy.

A total of 116 Form Four students of Sekolah Tun Fatimah participated in NewClear 2019. The students, accompanied by two teachers, Mrs. Norheza Hedra and Mrs. Shikin Ahmad, were divided into 11 groups, and each was appointed with coordinators from NESS.



### OBJECTIVES

- To serve as a platform for NESS to implement more sustainable programmes to empower its members to advance both academically and professionally in nuclear science, technology, and engineering.
- To educate youth and the community around us about nuclear technologies.
- To help the people to differentiate between facts and myths of nuclear technologies.
- A strategic effort to strengthen NESS which acts as the apprentice for the development of nuclear power in Malaysia.
- Strengthen the links between leadership and teamwork in NESS.
- To promote thrift toward strengthening the social, moral, and well-being of NESS members.
- To encourage positive behavior and improve the self-esteem of youth and the community around us.

### PARTNER

- Universiti Teknologi Malaysia
- Sekolah Tun Fatimah, Johor

### LOCATION

Sekolah Tun Fatimah, Johor Bahru, Johor, Malaysia

### DATE

6 April 2019

# NESS ANNUAL GRAND DINNER & ANNUAL GRAND MEETING 2019 (AGD & AGM 2019)

Every year in NESS, we are always looking forward to our most-anticipated annual event – NESS Annual Grand Dinner & Annual Grand Meeting. This year, our “Traditional Heritage” themed dinner was held on the 8<sup>th</sup> of May at Pulai Springs Resorts, Pulai, Johor.

To all of us in NESS, our gathering lies far beyond just enjoying the meticulously crafted and served dinner. It was all about reuniting, nurturing bonds, and spending quality and splendiferous time with our family members.

Somewhere between hello and goodbye lies the fragments of friendship, leadership, professionalism, and righteousness in NESS. While the gathering was our retrospectives of those moments that we all shared, it was also a farewell celebration for the legislative council of 2018/2019.





**OBJECTIVES**

- For the dismissal of the 2018/2019 Legislative Council of NESS.
- For the appointment of the 2019/2020 Legislative Council of NESS.
- To address the financial status and growth of NESS in 2018/2019.
- To address the partnership growth of NESS in 2018/2019.
- To publish the 2018/2019 Annual Report of NESS.
- To deliver an appreciation dinner for all members, partners and stakeholders of NESS.
- To present the achievements of NESS in 2018/2019.

**PARTNER**

- Universiti Teknologi Malaysia

**LOCATION**

Pulai Springs Resort, Pulai, Johor, Malaysia

**DATE**

8 May 2019





**DATO' DR. MOHAMED RAZALI BIN DATO' MOHAMED YUSOFF**

THE CHAIRMAN & CEO OF NUSANTARA TECHNOLOGIES SDN. BHD.

## NESS STRATEGIC PARTNERSHIP

Aligned with its vision – To be globally recognized as a leading nuclear society in catalyzing and transforming youth and community, igniting scientific minds, and inspiring professional spirits. NESS, with its members from different backgrounds, ethnicities, and nationalities, work synergistically with national and international bodies, agencies, and also industries to keep its growth sustainable and to maintain its competitive advantages and also opportunities to access a broader range of resources and expertise in its pursuit of the future of energy in Malaysia.

As of December 2018, we have formalized our strategic partnerships with Nusantara Technologies Sdn. Bhd, a company whose sponsorships to NESS have totalled more than RM50,000.



### NESS Developments & Professional Engagements Sponsored by Nusantara Technologies Sdn. Bhd.

(As of December 2018)

PROGRAMME	LEVEL
DE FERMİ NUSANTARA CHALLENGE CUP 2015	PLATINUM
DE FERMİ NUSANTARA CHALLENGE CUP 2016	PLATINUM
DE FERMİ NUSANTARA CHALLENGE CUP 2017	PLATINUM
NUCLEAR YOUTH SUMMIT 2017	PLATINUM
INTERVARSITY NUCLEAR DEBATE CHALLENGE BY NUSANTARA TECHNOLOGIES 2018 (INDC 2018)	PLATINUM
INTERNATIONAL NUCLEAR SCIENCE, TECHNOLOGY AND ENGINEERING CONFERENCE 2018 (INUSTEC 2018)	"URANIUM"

(Complete Details in NESS Financial Statement)

## NESS OFFICIAL WEBSITE (www.utm.my/ness)

NESS is proud to announce the launch of its official website, which coincides with its expanding role as an advocate in the pursuit of nuclear energy in Malaysia.

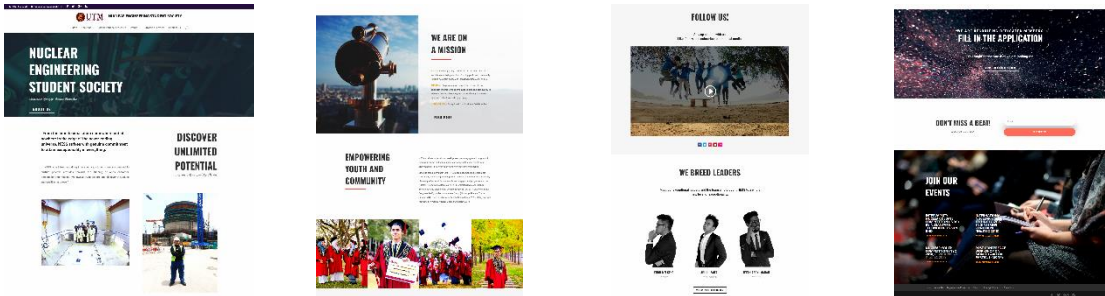
Our new website provides a clear message of who we are, what we stand for and where our value lies. The website boasts a clean design and intuitive and consistent navigation system with improved menu functionality that directs you to the information most relevant to you. It is also fully responsive with mobile devices, making it easy to navigate on a wide range of web browsers and portable devices.

We've introduced a range of content to the website, including the NUBOOKS Reservation that features an online library system to provide you with a walkthrough of the available books in our Mini Nuclear Library at T03, Universiti Teknologi Malaysia.

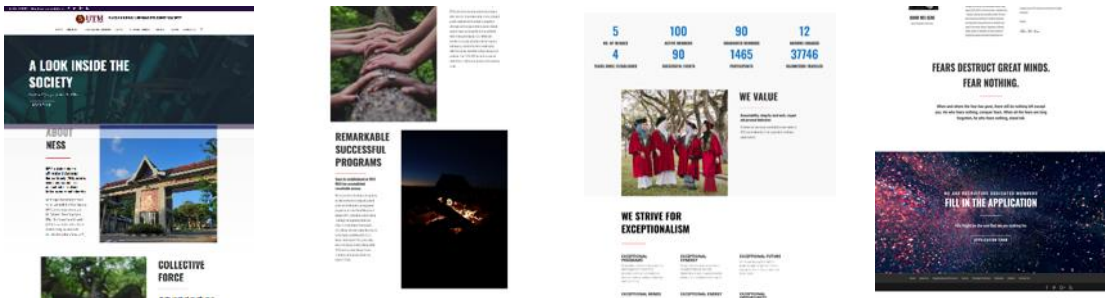
As we advance, we will continue to communicate regularly through our website and provide new articles and content. We also plan to continue adding more content about our developments and engagement programmes.

We're proud of the new website, and we believe that it will create the experience you're looking for when you pay us a visit. Check out the new website here: [www.utm.my/ness](http://www.utm.my/ness)

### NESS WEBSITE – MAIN PAGE



### NESS WEBSITE – ABOUT US





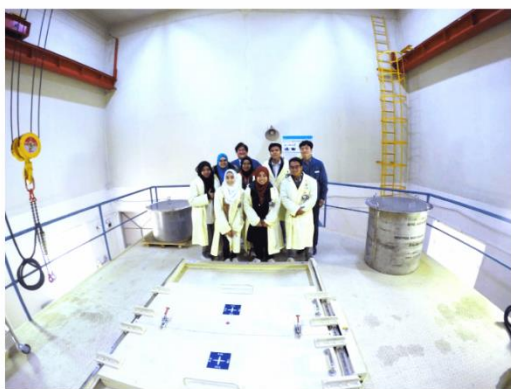
# NUCLEAR ENGINEERING STUDENT SOCIETY

*Exceptional Synergy, Endless Possibilities*

ABOUT US

“From the infinitesimal atom somewhere out of nowhere to the edge of the never-ending universe, NESS strives with genuine commitment to attain exceptionality in everything.”

In NESS, apart from excelling in academics, students are encouraged to nurture positive attitudes towards the shaping of one’s character, personality, and mindset. We always try to explore and discover the values and qualities in oneself.



## DISCOVER UNLIMITED POTENTIAL

*In the Atom and the People*





# WE ARE ON A MISSION

**VISION** – To be globally recognized as a leading nuclear society in catalyzing and transforming youth and community, igniting scientific minds and inspiring professional spirits.

**MISSION** – To provide professional developments and engagement programs to empower youths and community to advance both academically and professionally in nuclear science, technology and engineering.

**CORE VALUES** – Exceptional = Motivative x Collaborative<sup>2</sup>

[READ MORE](#)

# EMPOWERING YOUTH AND COMMUNITY

NESS provides professional developments and engagement programs to empower youths and community to advance both academically and professionally in nuclear science, technology, and engineering.

Since its establishment in 2014, NESS has accomplished remarkable success by developing and supporting its diverse network of strategically planned professional developments and engagement programs such as Nuclear Delegation to Bangkok 2014, International Nuclear Science, Technology and Engineering Conference (InuSTEC 2014), Nuclear Youth Congress 2015, Nuclear Awareness Camp (NuCamp), Nuclear Youth Summit 2017, De Fermi Nuclear Debate Competition (2015-2017) and just recently, Intersarsity Nuclear Debate Challenge 2018.



# WE ARE RECRUITING DEDICATED MEMBERS FILL IN THE APPLICATION

You might be the one that we are looking for.

APPLICATION FORM

## DON'T MISS A BEAT!

Subscribe to us today.

Email

SUBSCRIBE

## JOIN OUR EVENTS

**INTERVARSITY  
NUCLEAR DEBATE  
COMPETITION (INDC)  
BY NUSANTARA  
TECHNOLOGIES SDN  
BHD**

23-25 November 2018

**INTERNATIONAL  
NUCLEAR SCIENCE,  
TECHNOLOGY &  
ENGINEERING  
CONFERENCE  
(INuSTEC 2018)**

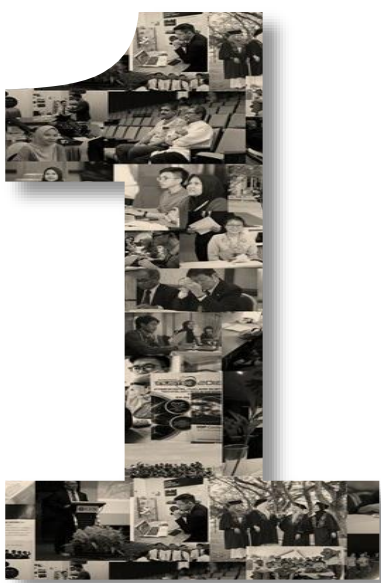
23-25 November 2018

**NUCLEAR YOUTH  
COMPETITION (NYC  
2018)** (Concurrent with  
INuSTEC 2018)

23-25 November 2018

**POST-CONFERENCE  
WORKSHOP ON  
MONTE CARLO N-  
PARTICLE (MCNP)**

26-27 November 2018







A YEAR OF  
**AMAZING GROWTH**  
AND INCREDIBLE  
**STORIES**

 **NESS**  
*Empowered. Supported. Endless Possibilities.*

 [Facebook](#) [Twitter](#) [LinkedIn](#)



# WE BUILT THE STRONGEST FINANCIAL STABILITY IN THE HISTORY OF NESS

**NUCLEAR  
ENGINEERING  
STUDENT SOCIETY**

**WE ARE ON  
A MISSION**

**DISCOVER  
UNLIMITED  
POTENTIAL**

**EMPOWERING  
YOUTH AND  
COMMUNITY**

**FOLLOW US!**

**THE POWER OF  
TECH IN THE APPLICATION**

**WE BREED LEADERS**

**JOIN OUR  
EVENTS**

**WE ARE ON A MISSION**

**NUCLEAR  
ENGINEERING  
STUDENT SOCIETY**

**DISCOVER UNLIMITED POTENTIAL**

**IN THE ATOM AND PEOPLE**  
In NESS, apart from excelling in academics, students are encouraged to nurture positive attitudes towards the shaping of one's character, personality, and mindset. We always try to explore and discover the values and qualities in oneself.

**OUR LEADERS**

Meet our exceptional leaders and the team who brought NESS to a whole new level of exceptionality.





MEMBER PARTICIPATION  
INCREASED FROM

**87% → 98%**





OVER THE YEAR OUR  
SOCIAL MEDIA COMMUNITY

GREW BY **75%**

@nessutmofficial



WE HIT CRITICALITY ON BOTH

**INDC 2018**

AND

**iNuSTEC 2018**



WE LAUNCHED THE  
**NESS**

**YOUNG LEADER  
PROJECT**



AND INITIATED THE  
**NESS**

**WOMEN in NUCLEAR**





WITH MORE THAN

100

AWARDS AND RECOGNITION  
RECEIVED BY OUR MEMBERS  
OVER THE YEAR







WE KNOW THAT  
**NESSIANS**  
ARE ALL  
**EXCEPTIONAL**



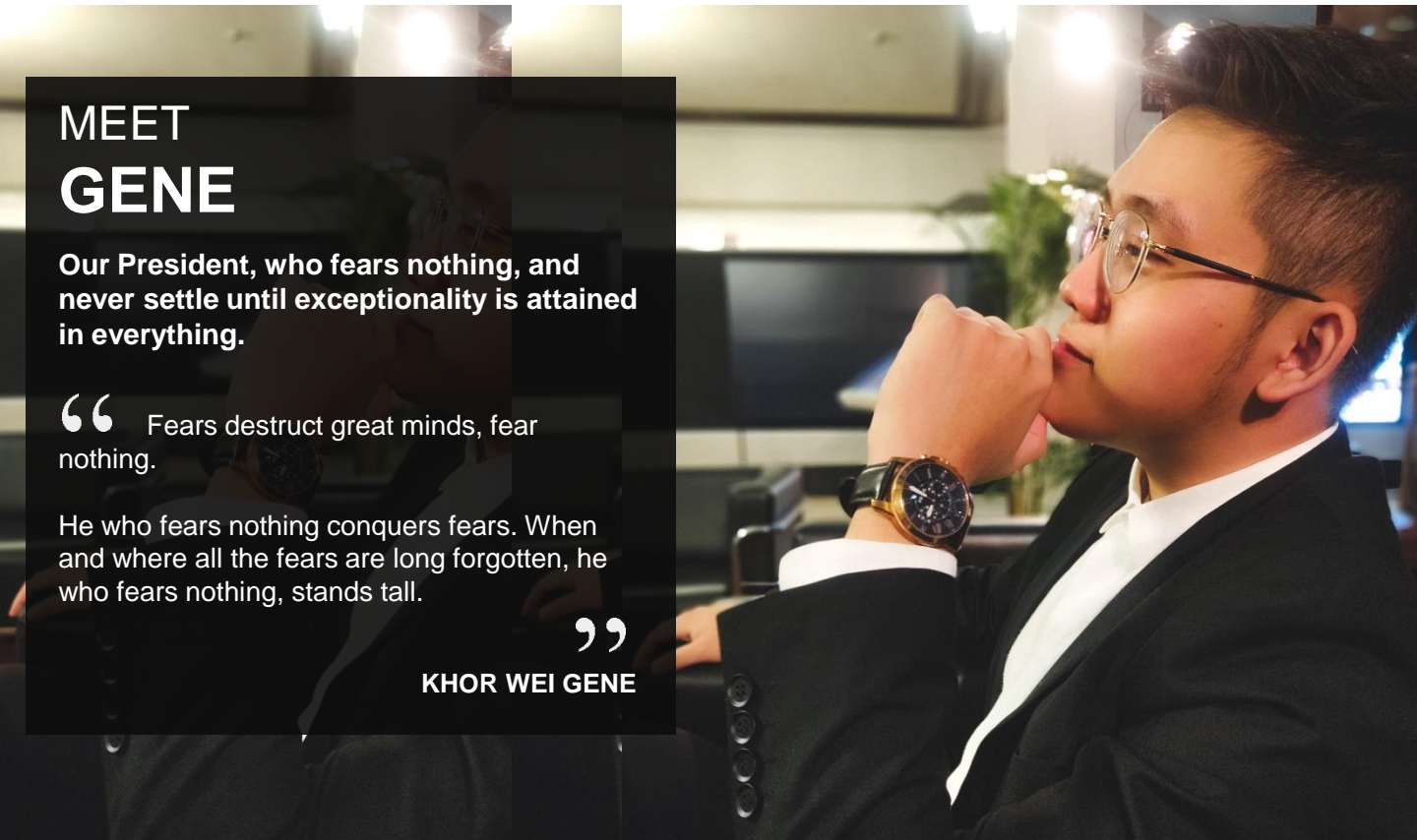
## MEET DR. ZULHAIRUN

**Our Advisor, whom we could never emphasize enough, all his sacrifices, enthusiasm, and wholeheartedness.**

“ Our members are by far our biggest asset in achieving our ambitious objectives.

Each and every one of you is our biggest asset in our journey to achieve holistic growth as a fully developed student organization in the years to come.

”  
**DR. ZULHAIRUN ABDUL KARIM**



## MEET GENE

**Our President, who fears nothing, and never settle until exceptionality is attained in everything.**

“ Fears destruct great minds, fear nothing.

He who fears nothing conquers fears. When and where all the fears are long forgotten, he who fears nothing, stands tall.

”  
**KHOR WEI GENE**



## MEET ABU

**Our Vice President, who consistently shows genuine concern and love for those under his stewardship.**

“ Here at NESS, we prioritize and practice teamwork.

We believe that our solidarity, friendship, and encouragement are what made our team spirit indestructible.

”

**ABU HUZAIFAH BIN BUKHARI**



## MEET DEVIN

**Our Treasurer and the Director of INDC 2018, who turns irretrievable defeats into triumphant victories.**

“ Our movement is all about small choices making massive change.

Here at NESS, we believe that great things are done by a series of small things brought together.

”

**DEVINTHARAAJ A/L KUMAR**



## MEET JEKAN

Our Secretary, who we've never had a moment's doubt, the best secretary ever, whom we would be lost, without him.

“ Here at NESS, we are driven by compassion, by faith, by responsibility, by ideas, and by commitment.

But deep down inside, we are driven by your sense of belonging and oneness in NESS.

”

JEKAN A/L ASOKUMARAN

## MEET YAP

Our Vice Secretary and the Director of Nuclear Freshie Camp 2018, who stands up against all odds, who overcomes obstacles and conquers challenges.

“ We are who we are for many reasons, and it's our passion, dedication, perseverance, and discipline that shape our personality and character.

Here at NESS, despite our differences in backgrounds, ethnicities, and nationalities, we called ourselves NESSians, and we accept, embrace, nurture, and care for each other.

”

YAP WEE KIN



## MEET AYDEN

Our Vice Treasurer and the Director of iNuSTEC 2018, who hits criticality with criticality.

“ Failure is never fatal, success is never permanent.

It is the courage to make hard decisions that matters.

”

OON JUN TECK



## MEET AMMAR

Our Head of Department of Programme & Activities, who withholds an entire galaxy within his genuine soul.

“ Here at NESS, we are all warriors. We stand together; we fight together, and we defend together, for those who we serve.

We are all warriors, in our own ways, for those who we serve.

”

AMMAR BIN ISMAIL



## MEET ILYAS

Our Chief Official Photographer,  
who commemorates our amazing  
moments by photography.

“ The quality of your photographs  
is not promised by the price tag on your  
lens.

What makes your photographs great is  
the passion, the heart, and the mind  
behind the lens of your camera.

”

ILYAS BIN MOHD RUSLI



## MEET YOSHI

Our Chief Website Designer,  
whose smile, is warmer than a  
reactor core, whose smile, is  
soul-healing and heart-blissing.

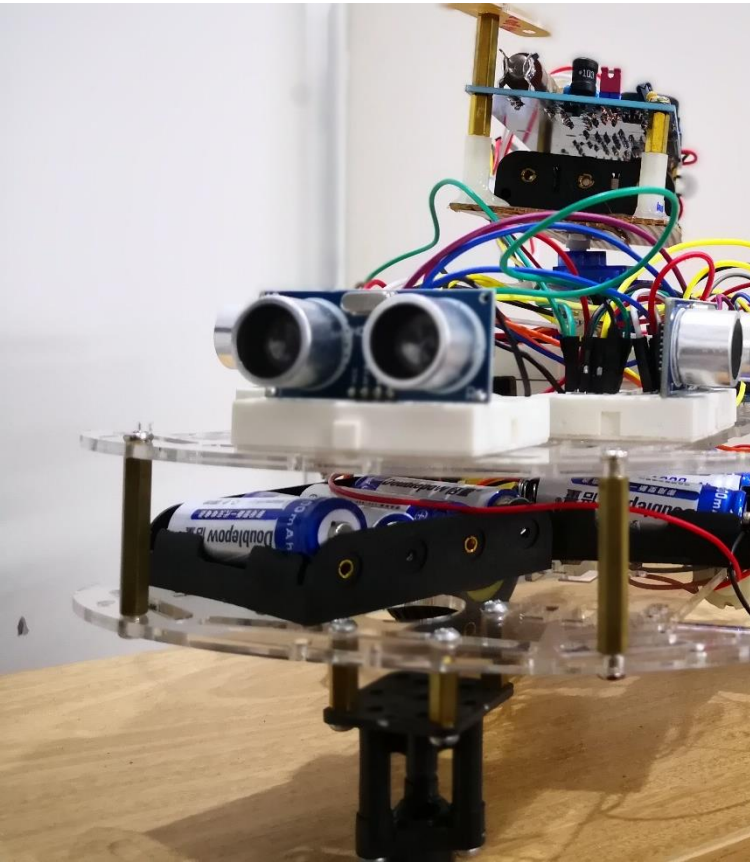
“ Being perfectly imperfect is  
fine. Imperfection itself is perfection,  
embrace mistakes, remember  
mistakes for what they were, and  
celebrate them for what they are  
now.

Embrace the perfection of being  
imperfectly you.

”

LEONG ZHENG HAO





## MEET RADSEEK

Radiation Seeking Robot designed and developed by Lee Jun Keat.

“ I am capable of searching for misplaced radiation sources or orphan sources.

I might not be programmed to love, but my system interprets NESS as love, so I guess love is the definition of NESS.

”  
RADSEEK

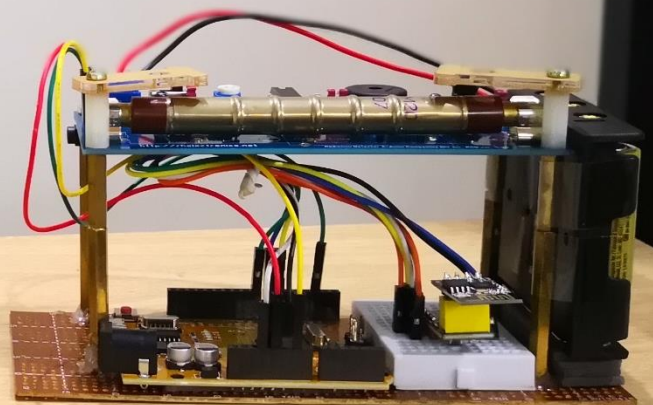
## MEET RADIoT

Radiation Monitoring Network designed and developed by Khairul Anwar Bin Bapujee.

“ I am capable of providing real-time information regarding the magnitude of radiation.

I am not sure what hurts me more, that RADSEEK will never realize my existence, or that I will never stop loving him.

”  
RADIoT



## MEET ASYRAF

Our Head of Department of Information Technology, who shapes the language of design and IT in NESS.

“ It is through thousands of mistakes that you actually can grow.

Talent has little or nothing to do with greatness; practice and mastery are all it takes to be great.

”

ASYRAF BIN ABDUL RAZAK



## MEET UMAR

Our Head of Department of Welfare, who is always there for us, as our brother or even as our sister.

“ In NESS, we devoted ourselves to the task of welfare. Our members' well-being is our utmost priority.

Always keep in mind, we rise by lifting and helping the brokenhearted, the difficult, the hurt, and the unfortunate people around us.

”

MOHD UMAR SARHAN BIN  
KHAIRUL ANUAR





# ENGINEERING STUDENT SOCIETY

*Exceptional Synergy. Endless Possibilities.*

**DISCOVER UNLIMITED POTENTIAL  
IN THE ATOM AND PEOPLE**

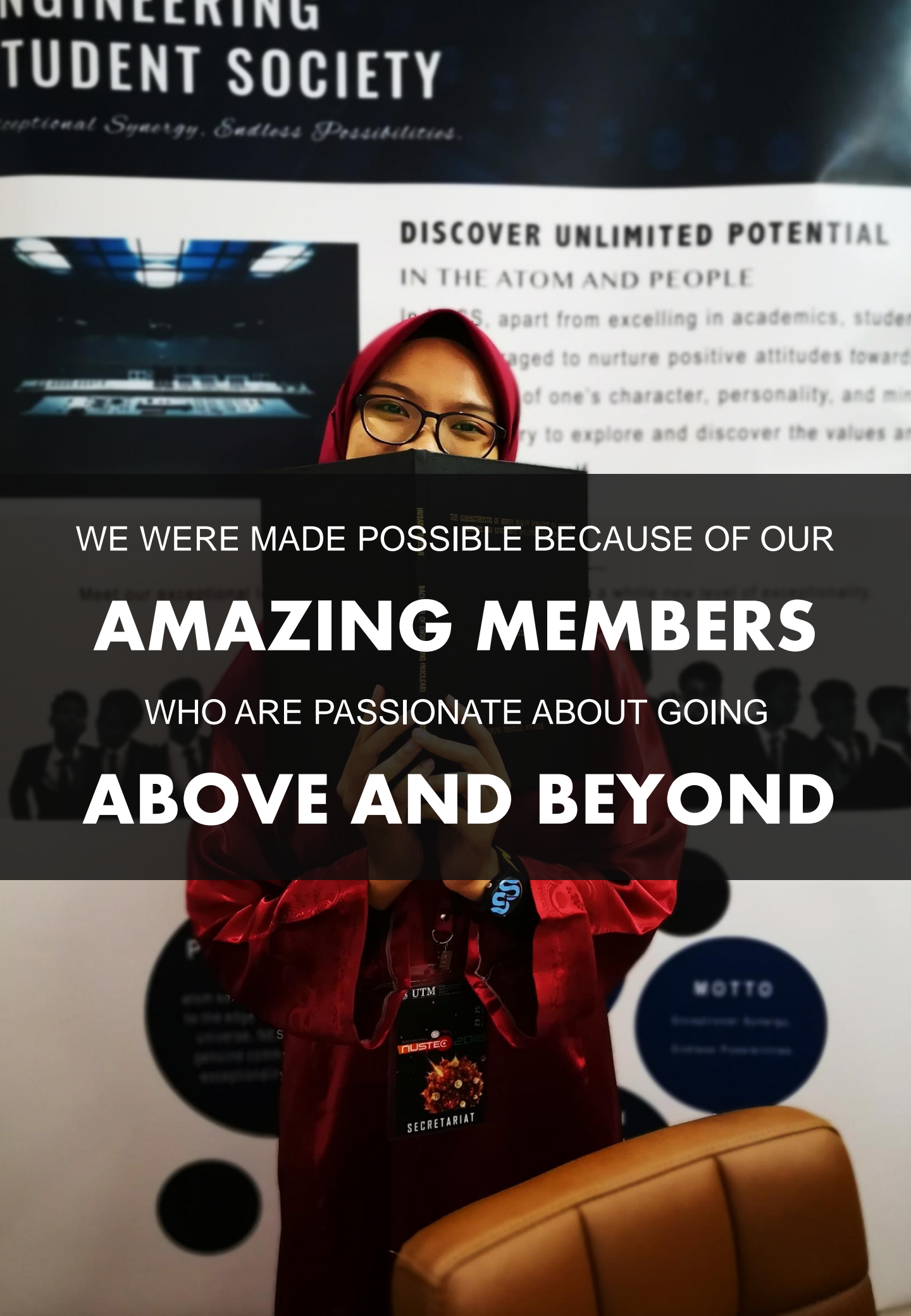
In 1955, apart from excelling in academics, students are encouraged to nurture positive attitudes toward the development of one's character, personality, and initiative. It is the Society's duty to explore and discover the values and

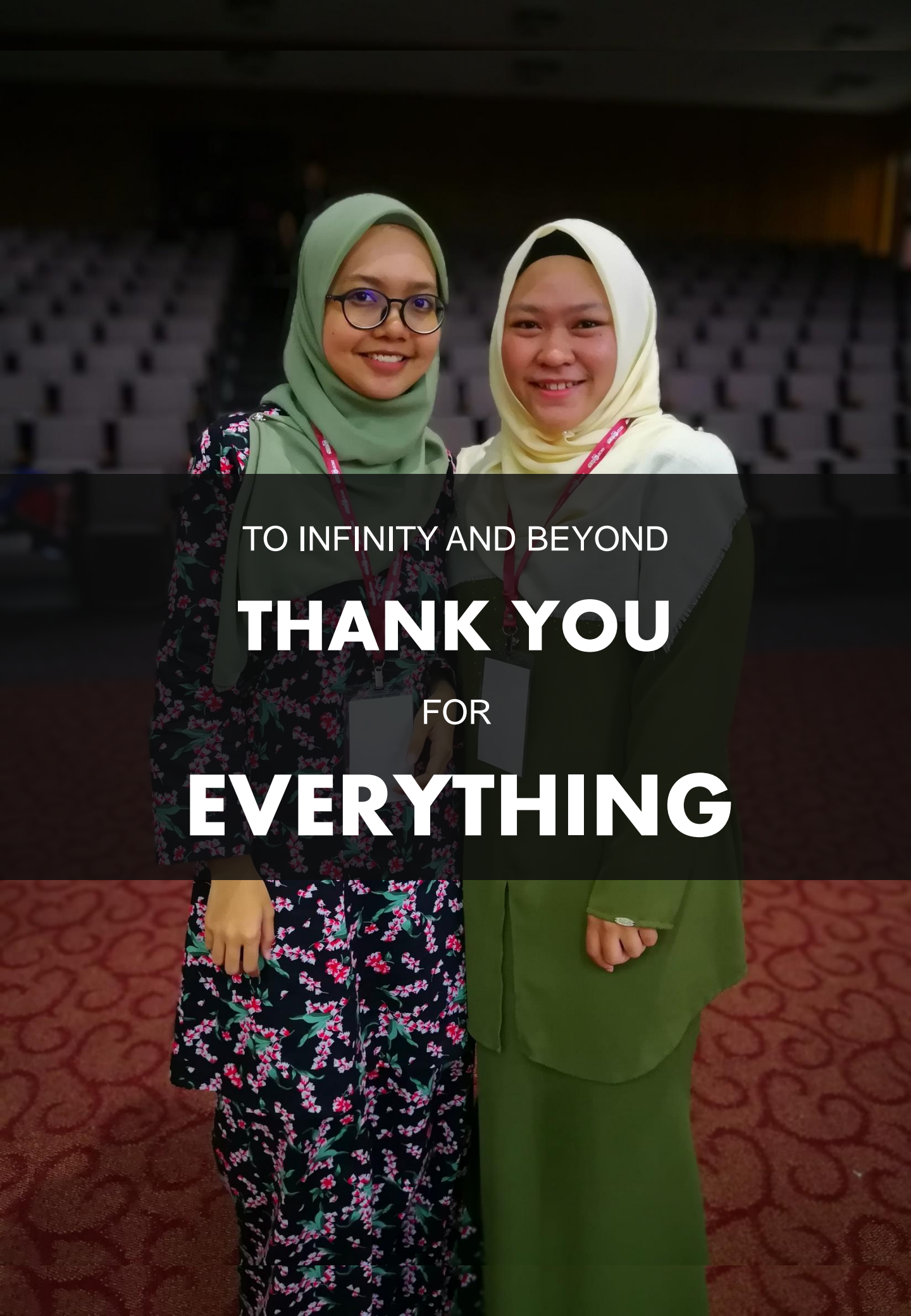
WE WERE MADE POSSIBLE BECAUSE OF OUR

# AMAZING MEMBERS

WHO ARE PASSIONATE ABOUT GOING

# ABOVE AND BEYOND





TO INFINITY AND BEYOND  
**THANK YOU**  
FOR  
**EVERYTHING**



YOU ARE THE REASON BEHIND

# THE EXCEPTIONALITY

OF

# NESS

[www.utm.my/ness](http://www.utm.my/ness)

**NUCLEAR ENGINEERING  
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