



Virtual Conference  
**GREENTECH 2020**  
National Level

**ENERGIZING SUSTAINABILITY  
THROUGH SMART SOCIETY**

**OCTOBER 15-16, 2020**

**POLITEKNIK SULTAN AZLAN SHAH**

## TABLE OF CONTENTS

Introduction	1
Foreword by Deputy Director-General (Planning) Department of Polytechnic and Community College Education	2
Foreword by Director of Research and Innovation Center Department of Polytechnic and Community College Education	3
Foreword by Director of Politeknik Sultan Azlan Shah	4
Virtual Conference Schedule	5
Presentation Schedule	6-18
Moderators	19
Reviewers	20-22
Committee Members	23-24

---



## **INTRODUCTION**

Green Technology and Engineering 2020 Virtual Conference, GREENTECH'20, is a national conference organized by Politeknik Sultan Azlan Shah, in collaboration with the Department of Polytechnic and Community College Education. It is an annual event, which the first conference was inaugurated in 2019 at the zone level. The conference aims to encourage research and innovation culture among polytechnic and community college educators. Besides, it provides an excellent platform for researchers and academicians nationwide to discuss ideas and share knowledge and new findings, not only research in green technology but also other areas such as Social Science and Engineering. The two-day virtual conference hopes to be a catalyst in targeting the sustainable development of the country through the knowledge-sharing and application of green technology.

## **CATEGORY:**

Green Technology  
Mechanical Engineering  
Electrical and Electronic Engineering  
Civil Engineering  
Science and Mathematics  
Information Technology

# FOREWORD

DEPUTY DIRECTOR-GENERAL (PLANNING)

DEPARTMENT OF POLYTECHNIC & COMMUNITY COLLEGE EDUCATION

Assalamualaikum Warahmatullahi Wabarakatuh and greetings to all.

Alhamdulillah praise be to Allah S.W.T for with his blessings, *Greentech 2020 Virtual Conference*, GREENTECH' 20, could be successfully held. Congratulations and well done to the Research and Innovation Center, Department of Polytechnic and Community College Education (DPCCE) and Politeknik Sultan Azlan Shah as the host as well as the steering committee in organizing GREENTECH'20 that is the platform that will showcase the research conducted by lecturers and researchers throughout Malaysia, especially related to green technology.

As part of the effort to empower TVET, DPCCE will always support the research effort among lecturers so that they could obtain and master knowledge comprehensively through new discovery, either through research or innovation. It is hoped this new discovery would contribute a great impact towards green technology sustainability accordingly with the purpose of organizing this seminar.

Green technology is the solution in handling climate change and energy source deficiency. This is due to the fact that green technology can be the choice and alternative to reduce the negative effect towards the environment. Therefore, organizing such a seminar can be a strategy to educate society towards the importance of green technology as a nation's development agent without having the need to sacrifice the environment itself.

Finally, I would like to express gratitude and pray that GREENTECH'20 would be able to cultivate as well as to motivate the workforce in polytechnics and community colleges to master knowledge in green technology through research and innovation as well as significantly applying green technology towards the development of an established Malaysia.

Thank you.

Ts. ZAINAB BINTI AHMAD

# FOREWORD

DIRECTOR  
RESEARCH & INNOVATION CENTER  
DEPARTMENT OF POLYTECHNIC & COMMUNITY COLLEGE EDUCATION

Assalamualaikum Warahmatullahi Wabarakatuh and greetings to all of you,

It is with great thankfulness to Allah S.W.T & the blessings bestowed on us that GREENTECH 2020 Virtual Conference (GREENTECH'20) could be organized for the year 2020. Congratulations and well done too to the organizers, Politeknik Sultan Azlan Shah and the Department of Polytechnic and Community College Education for contributing your energy and ideas in ensuring a successful GREENTECH'20 Virtual Conference this year.

A conference like this performs as a platform to researchers to share their knowledge and ideas in producing research papers, especially catering to the polytechnics and community colleges in Malaysia. It could also lead to an evolution in thinking, a paradigm shift and a new approach that could help in an effort to strengthen the research aspect that focuses on increasing the practice of quality education, shaping values and an improved economy for the betterment of society.

In line with the conference theme "*Energizing Sustainability Through Smart Society*", natural issues, such as pollution, climate change and natural resources are universal problems that need serious attention. In line with the Green Technology Policy that was launched under the Ministry of Energy, Green Technology and Water (KeTTHA), it is hoped this conference would be able to empower green technology in Malaysia.

Finally, it is hoped a conference like this could be continuously held in the future and set the stage towards empowering green technology and cultivate the excellence of researchers and educators, especially to those in polytechnics and community colleges.

Thank you.

DR. ISHAK BIN MOHAMAD



## **FOREWORD**

**DIRECTOR  
POLITEKNIK SULTAN AZLAN SHAH**

Assalamualaikum Warahmatullahi Wabarakatuh and greetings to all of you,

Given the global increase in environmental pollution, green technology innovation has gained much worldwide attention (Lei, Liang and Han, 2018). In the field of green performance evaluation, researchers have achieved a number of results with important theoretical and practical values, for example, green sustainable innovation capability, regional green innovation performance, the influence of green innovation on environmental performance and competitive advantage, regional high-tech industry innovation ecosystem coordination and so on. More recently, scholars have started to research the relationship between input and output in green production, in other words, green innovation efficiency.

Malaysia is adopting an indicator of a voluntary reduction up to 40% in terms of emission intensity of GDP by the year 2020 compared to 2005 levels. Prior to that, the government of Malaysia unveiled the National Green Technology Policy (NGTP) which was a turning point in the country's initiatives towards sustainable growth and development (Malaysian Prime Minister, 2009). In addition, the Eleventh Malaysia Plan (2016-2020) announced in May 2015 emphasizes on the importance of green growth. In order to embark on green growth and achieve the international pledge, implementation of intensive actions is required for the whole of Malaysia.

Hence, Department of Polytechnic and Community College Education has embarked on green curriculum by offering Green Technology Compliance Course at the diploma level. This is in line with the aspirations of projecting polytechnics as established, superior and excellent TVET institutions as mentioned in the PolyGreen Blueprint.

Greentech 2020 Virtual Conference (GREENTECH'20) is a platform for researchers in the area of green technology throughout the country to display, present and enhanced knowledge and skills transfer related to their products and any potential research and products that will be exhibited during the 2-day virtual summit. It is hoped that the resolutions, research and products presented during the summit will be a catalyst in targeting sustainable development of the country through the application of green technology.

My heartiest hats off to the committees and participants of GREENTECH'20 as well as the related parties that have been given their heartfelt commitment in making this agenda a reality.

"The Recovery Act, which helped saved the economy and prevented us going into the Great Depression, was the largest investment in green technology, the largest investment in education. We rebuilt roads and bridges." ~ Barack Obama

Thank you.

**MUHAMMAD ZUBIR BIN MOHD. HANIFAH**

## VIRTUAL CONFERENCE SCHEDULE

Date	Time	Event
<b>14 October 2020</b> (Wednesday)	8.30 am – 10.30 am	Parallel Session I
	10.30 am – 11.00 am	Break
	11.00 am – 1.00 pm	Parallel Session II
	1.00 pm – 2.30 pm	Break
	2.30 pm – 4.30 pm	Parallel Session III
<b>15 October 2020</b> (Thursday)	8.30 am – 10.30 am	Parallel Session I
	10.30 am – 11.00 am	Break
	11.00 am – 1.00 pm	Parallel Session II
	1.00 pm – 2.30 pm	Break
	2.30 pm – 4.30 pm	Parallel Session III
<b>16 October 2020</b> (Friday)	8.30 am – 10.30 am	Parallel Session I
	FOCUS GROUP DIALOGUE	
	9.00 am	Arrival of Participants
	9.45 am	Arrival of Panels and VIP
	10.00 am	Welcoming Speech by Moderator Dialogue session : 1. Dato' Ir Guntor Tobeng 2. Dr Mazlan Abbas 3. Ir Roslee B. Esman 4. En Mohd Isa Ismail
	12.00 pm	Closing Ceremony

# PRESENTATION SCHEDULE

**WEDNESDAY OCTOBER 14, 2020**

**ROOM 1**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK
Wednesday October 14	8.30 - 10.30	A17	Politeknik Sultan Azlan Shah	Azhar Bin Ramli	Motion Sensor Detection Application (Mosap) Used In Psas Library: Building Lighting Installation For Energy Saving	Dr. Normala binti Rahmat	<a href="https://bit.ly/34G8GTw">https://bit.ly/34G8GTw</a>
		A08	Politeknik Sultan Azlan Shah	Syahrurizam B Bunyamin	Energy Efficiency In The Technical Educational Building Sector Through Electrical Energy Saving Measure Retrofits		
		H02	Politeknik Sultan Azlan Shah	Mariaty Binti Ahmad	Can An Intelligent Tutoring System Increase Students' Motivation And Learning? A Case Study Assessing The Effectiveness Of Prob-Iq For Solving Probability Concepts In Statistics		
		K23	Politeknik Sultan Azlan Shah	Shatini binti Md Said	A Design And Development Of Lot Via Arduino And Blynk Apps Based Recycling Container		



# PRESENTATION SCHEDULE

**WEDNESDAY OCTOBER 14, 2020**

**ROOM 2**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK	
Wednesday October 14	8.30 - 10.30	B01	Politeknik Sultan Azlan Shah	Roshila Binti Shamsudin	Determination On The Ultimate Tensile Strength Of Different Composition Of Polymer Blend Through Extrusion Of Pvc-Abs-Pp	Zureena binti Abu Samah	<a href="https://bit.ly/34GiwJf">https://bit.ly/34GiwJf</a>	
		K22	Politeknik Sultan Azlan Shah	Nor Badriyah Binti Abu Hassan	To Design And Fabricate Checking Fixture For Double -Flared End Forming Tubing Parts			
		B03	Politeknik Sultan Azlan Shah	Mohd Zulfadli Bin Ahmad	Development A Warning System For Unattended Child In A Parked Vehicle			
		B04	Politeknik Sultan Azlan Shah	Mohd Zakhiri Bin Yusof	Static Analysis Of Motorcycle Swing Arm Using The Finite Element Method			
	10.30 - 11.00	BREAK						
	11.00 - 1.00	B05	Politeknik Sultan Azlan Shah	Anisah Binti Kamarudin	Kesan Penambahan Abu Terbang Kelapa Sawit Terhadap Hasil Tuangan Aluminium Tulen	Dr. Norleeza binti Muhammad @Wan Mat	<a href="https://bit.ly/3IAqHJX">https://bit.ly/3IAqHJX</a>	
		B07	Politeknik Sultan Azlan Shah	Fkhrul Hanafi Bin Md Rosli	To Study A Tool Guide For Rubber Compound			
		F03	Politeknik Sultan Azlan Shah	Muhamad Adha Bin Shamdin @ Shamsuddin	Sikap Pelajar Terhadap Mata Pelajaran Statistik Di Kalangan Pelajar Politeknik Sultan Azlan Shah.			
		F05	Politeknik Sultan Azlan Shah	Siti Noor Binti Othman	Keberkesanan Penggunaan Aplikasi Geogebra Terhadap Pencapaian Pelajar Politeknik Bagi Topik Pembezaan			

# PRESENTATION SCHEDULE

**WEDNESDAY OCTOBER 14, 2020**

**ROOM 3**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK	
<b>Wednesday October 14</b>	8.30 - 10.30	B08	Politeknik Sultan Azlan Shah	Mohamad Syafiq Bin Ahmad Fuad	To Design And Fabricate The Belt Conveyor For Nvh Fiber	Ezatul Marini binti Mohd Ghazali	<a href="https://bit.ly/2SIKgmE">https://bit.ly/2SIKgmE</a>	
		B09	Politeknik Sultan Azlan Shah	Nabil Fikri Bin Zamri	Investigation On The Effect Of Darkness Level Of Dakroom In Detecting Vehicle Defect			
		B15	Politeknik Sultan Azlan Shah	Mohammad Nazirul Bin Mohd Fauzi	To Increase The Shield Cowl Vent Splash Production Cycle Time Using The New Type Assembly Fixture			
		B16	Politeknik Sultan Azlan Shah	Ahmad Syawal Bin Anuwar	To Study The Implementation Of Jig In Controlling The Surface Of Glue Area For Sport Rear Cover-Stock			
	10.30 - 11.00	BREAK						
	11.00 - 1.00	B17	Politeknik Sultan Azlan Shah	Ammar Ariff Bin Abidin	Development Of Trimming Fixture For Door Handle Inside During Trimming Process	Ts. Wan Mohd Naquib bin Wan Abd Rahman	<a href="https://bit.ly/2GMsSem">https://bit.ly/2GMsSem</a>	
		B18	Politeknik Sultan Azlan Shah	Mohammad Thaqif Bin Mohammad Hanafiah	Design And Testing Of Protector Fixture Of Welding Spatter On Retainer Sub Assembly Center Floor Cross Member			
		B19	Politeknik Sultan Azlan Shah	Anisah Binti Kamarudin	A Study On Mechanical Properties Of Rapid Prototyping Product			
		H04	Politeknik Sultan Azlan Shah	Salmiza Bt Abdul Rahim	Exploring Online Silence In An Organisation Reviewing The Relevent Theories, Concepts And Proposing The Research Methodology			
	1.00 - 2.30	BREAK						
	2.30 - 3.30	H05	Politeknik Sultan Azlan Shah	Anis Binti Abdul Kahar	Pembangunan Aplikasi Pmu Structure Labsheet Serta Tinjauan Kebaikan Dan Kelemahannya Dalam Pelaksanaan Ujikaji Makmal Struktur Di Jabatan Kejuruteraan Awam Politeknik	Ts. Wan Mohd Naquib bin Wan Abd Rahman	<a href="https://bit.ly/3nwGyL8">https://bit.ly/3nwGyL8</a>	
		H06	Politeknik Sultan Azlan Shah	Hadzira Binti M Nor	Kajian Empirikal Terhadap Kebolehpasaran Graduan Tvet			

# PRESENTATION SCHEDULE

**WEDNESDAY OCTOBER 14, 2020**

**ROOM 4**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK
Wednesday October 14	8.30 - 10.30	H11	Politeknik Sultan Azlan Shah	Mohd Tajuddin Bin Ahmad	Kesan Latihan Pliometrik Ke Atas Perubahan Fizikal Otot Di Kalangan Atlet Sepak-takraw Politeknik Sultan Azlan Shah, Behrang, Perak	Dr. Haryati binti Ismail	<a href="https://bit.ly/2SIFQw4">https://bit.ly/2SIFQw4</a>
		J05	Politeknik Sultan Azlan Shah	Arman Bin Hj Ahmad Sapawi	Keselamatan Dan Kesihatan Pekerjaan Persekitaran Kerja Di Politeknik Malaysia		
		J10	Politeknik Sultan Azlan Shah	Raja Nora-zilla Bt Raja Yunus	Tahap Pelaksanaan Amalan Keselamatan Dan Kesihatan Pekerjaan Dalam Kalangan Staf Teknikal		
		H13	Politeknik Sultan Azlan Shah	Siti Fatimah binti Ahmad Hisam	Pelaksanaan E -Portfolio Sebagai Bahan Pembelajaran Dan Pengajaran Pembelian Runcit (Retail Buying) Menerusi Strategi Pembelajaran Kolaboratif		



# PRESENTATION SCHEDULE

**WEDNESDAY OCTOBER 14, 2020**

**ROOM 5**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK	
Wednesday October 14	8.30 - 10.30	C03	Politeknik Sultan Azlan Shah	Norhasnina Binti Mokhtar	Development Of N3 Plc Trainer-Sensor Series As Teaching Aids To Improve Student's Learning Outcome In Automation Course	Halina Binti Hamid	<a href="https://bit.ly/33lh7hT">https://bit.ly/33lh7hT</a>	
		C04	Politeknik Sultan Azlan Shah	Nor Haneda Binti Awang Long	Development Of Power Supply Trainer Electronic Circuits using triz model			
		C05	Politeknik Sultan Azlan Shah	Syahrurizam Bin Buyamin	Development Of Interactive 360-Degree Virtual Tour Application: Inspection & Maintenance Of Distribution Substation 11/0.4kv			
		C13	Politeknik Sultan Azlan Shah	Farah Azura Binti Abdul Rahman	Design Of Microcontroller Trainer Using Pic18f4520			
	10.30 - 11.00	BREAK						
	11.00 - 12.30	C10	Politeknik Sultan Idris Shah	Siti Nor Bainu Binti Jamingan	Urban Farming Using lot System	Halina Binti Hamid	<a href="https://bit.ly/2lgwg1J">https://bit.ly/2lgwg1J</a>	
		D04	Politeknik Sultan Azlan Shah	Aryuziyanti Binti Mohamad @ Mohd Nor	Pekali Penyerapan Bunyi Papan Serpai Berlapis Menggunakan Gentian Dan Teras Kenaf			
		D07	Politeknik Sultan Azlan Shah	Ariff Farhan Bin Ibrahim	Alternative Interlocking Paving Block By Using Ldpe/Sand Blends			
		D10	Politeknik Sultan Azlan Shah	Mohmad Nazri Bin Mahbob	Kajian Mengenai Aspek Ergonomik Dan Rekabentuk Terhadap Alat Tangan Pertukangan-The Smart Grip			

# PRESENTATION SCHEDULE

**THURSDAY OCTOBER 15, 2020**

**ROOM 1**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK	
Thursday October 15	8.30 - 10.30	A11	Politeknik Sultan Azlan Shah	Khalis Suhaimi	Investigation Of Human Motion Vibration Frequency Content Using Fourier Series	Ezatul Marini binti Mohd Ghazali	<a href="https://bit.ly/33HNKwc">https://bit.ly/33HNKwc</a>	
		A05	Politeknik Sultan Azlan Shah	Azuwan Bin Salehuddin	Rekabentuk Mini Inkubator Untuk Penanaman Strawberi			
		A27	Politeknik Sultan Azlan Shah	Ruhaida Binti Nural Anuar	Development Of Sustainable Energy Lake Recreation Center Using Off-Grid Solar Photovoltaic System			
		A25	Politeknik Sultan Azlan Shah	Azirah Binti Adnan	Rainwater Harvesting System For Academic Buildings			
	10.30 11.00	BREAK						
	11.00- 1.00	A19	Politeknik Sultan Azlan Shah	Dr Fakhriah Muhsin	A Review: Natural Ventilation Performance Strategies Based On Malay Vernacular House Elements To Enhance Health And Thermal Comfort	Ezatul Marini binti Mohd Ghazali	<a href="https://bit.ly/34Crrap">https://bit.ly/34Crrap</a>	
		A01	Politeknik Kuching Sarawak	Saifuldin Bin Abdul Jalil	Drain Rubbish Collector			
		A03	Politeknik Tuanku Sultanah Bahiyah	Faizatulhaida Binti Md Isa	Keperluan Kualiti Persekitaran Dalaman (IEQ) Kepada Penghuni Bangunan Ke Arah Meningkatkan Produktiviti Di Tempat Kerja: Review Paper			
		A06	Politeknik Banting Selangor	Nur Raihana Binti Sukri	Smart Sweeper Machine			
	1.00 2.30	BREAK						
	2.30 - 4.00	A04	Politeknik Sultan Idris Shah	Lar. Dr. Zanariah Binti Kasim	Effects Of Landscape Environmental Settings On Microclimate In Enhancing Pedestrian Walking Distance In Tropical Campus Environment	Ts. Wan Mohd Naquib bin Wan Abd Rahman	<a href="https://bit.ly/3ntS1Lw">https://bit.ly/3ntS1Lw</a>	
		A13	Politeknik Muadzam Shah	Nur Hidayah Binti Mohiddin	Impak Pemeraksanaan Amalan Dasar Teknologi Hijau Dalam Inovasi Pembungkusan Projek Akhir Pelajar Diploma Teknologi Media Cetak			
		A16	Politeknik Sultan Idris Shah	Erawati Binti Mahrilar	Rha Plastic Cover Blocks			

# PRESENTATION SCHEDULE

**THURSDAY OCTOBER 15, 2020**

**ROOM 2**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK	
Thursday October 15	8.30 - 10.30	K01	Politeknik Sultan Azlan Shah	Muhammad Khoirudin Bin Zakaria	Design And Development High Speed Cookies Depositor Machine	Syed Muhammad Fuad bin Sayed Abd Rahman	<a href="https://bit.ly/2GWERWv">https://bit.ly/2GWERWv</a>	
		K02	Politeknik Sultan Azlan Shah	Mohd Nasaie Shahid Bin Othman	Fixture To Control Boot Overcut Defect			
		K03	Politeknik Sultan Azlan Shah	Samlisman A/L Choi Weng	Experimental Study On Thermosyphon Heat Pipe Heat Exchanger To Identify Potential Energy Savings In Air Conditioning Systems			
		K04	Politeknik Sultan Azlan Shah	Siti Syaidatul Akmal Bt Kamaruddin	Remote Control Surveillance Quadcopter Car			
	10.30 - 11.00	BREAK						
	11.00 - 1.00	K07	Politeknik Sultan Azlan Shah	Muhammad Khoirudin Bin Zakaria	Muhammad Khoirudin Bin Zakaria	A Study And Analysis New Fixture For Toyota Estima Strut Mount Mrk 640	Syed Muhammad Fuad bin Sayed Abd Rahman	<a href="https://bit.ly/2SEMRyf">https://bit.ly/2SEMRyf</a>
		K08	Politeknik Sultan Azlan Shah	Shaipul Anuar Bin Mohamed Zainudin	Shaipul Anuar Bin Mohamed Zainudin	Kajian Pengurangan Kadar Penolakan Bagi Produk Armrest Melalui Pengubahsuaian Dan Penambahbaikan Lekapan		
		K10	Politeknik Sultan Azlan Shah	Syed Muhammad Fuad Bin Sayed Abd Rahman	Syed Muhammad Fuad Bin Sayed Abd Rahman	Sistem Pemantauan Kadar Denyutan Jantung Kenderaan (Sipeka Izen)	Zureena binti Abu Samah	
		K12	Politeknik Sultan Azlan Shah	Ahmad Amzar Bin Halmi	Ahmad Amzar Bin Halmi	Development, Design And Fabricate A Karakuri Project For Small Injection Department		
	1.00 - 2.30	BREAK						
	2.30 - 4.00	B02	Politeknik Banting Selangor	Jeevana Jothi A/P Ramakrishna	Jeevana Jothi A/P Ramakrishna	Design And Fabrication Of Multipurpose Chopper	Zureena binti Abu Samah	<a href="https://bit.ly/3lwsxLP">https://bit.ly/3lwsxLP</a>
		B06	Politeknik Ungku Omar	Ts. Nor Ashimy Bin Mohd Noor	Ts. Nor Ashimy Bin Mohd Noor	A Study On Trimming Guide Process Jig For Ornament Big D20n		
B11		Kolej Komuniti Kota Marudu	Ts. Jackly Muriban	Ts. Jackly Muriban	Numerical Investigation Of Floating Liquefied Petroleum Gas (LPG) Under Wave Action			



# PRESENTATION SCHEDULE

**THURSDAY OCTOBER 15, 2020**

**ROOM 3**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK	
Thursday October 15	8.30 - 10.30	G05	Politeknik Sultan Azlan Shah	Norlizawati Binti Abd Rahman	Students' Satisfaction With The Online Zakat System In Politeknik Sultan Azlan Shah	Dr. Normala Binti Rahmat	<a href="https://bit.ly/3iHistB">https://bit.ly/3iHistB</a>	
		G10	Politeknik Sultan Azlan Shah	Herdawati Binti Ahmad	Development Of Measurement Super Smart Notes Mobile Apps Using Integrated Online And Offline Features			
		J09	Politeknik Sultan Azlan Shah	Hidanah Binti Mohd Yunus	Keberkesanan Penggunaan Kad Imbas Interaktif Bagi Kursus Civil Engineering Materials			
		K13	Politeknik Banting Selangor	Intan Liyana Binti Ramli	An Ergonomic Study On Packing Line Workstation Design			
	10.30 - 11.00	BREAK						
	11.00 - 12.30	K18	Politeknik Sultan Azlan Shah	Mohd Nazri Bin Mohd Sabri	Auto-Release Transfer Cart (Gravity Flow Rack) For Production Line Efficiency	Ts. Dr. Vicneas a/I Muniandy	<a href="https://bit.ly/2GUxoXW">https://bit.ly/2GUxoXW</a>	
		G01	Politeknik Sultan Mizan Zainal Abidin	Mohd Fariz Bin Abdul Azziz	Penggunaan Google Sheet Dan Appsheet Dalam Proses Membangunkan App Pengiraan Markah Penilaian Kerja Kursus			
		G02	Politeknik Besut Terengganu	Nur Azhani Binti Rosly	Kajian Tahap Kebolehcapaian Sumber Pembelajaran Digital Bagi Pelaksanaan Pdp Norma Baharu Dalam Kalangan Pelajar Politeknik			
	12.30 - 2.30	BREAK						
	2.30 - 4.00	G06	Politeknik Kuching Sarawak	Sanjay Charles Albert	A Study Of Data Dissemination In Opportunistic Network: Publish Subscribe Approach Vs Epidemic Approach	Ts Dr. Vicneas a/I Muniandy	<a href="https://bit.ly/34zqCil">https://bit.ly/34zqCil</a>	
G07		Politeknik Besut Terengganu	Eni Aryanti Binti Yusoff	Faktor-Faktor Yang Mempengaruhi Kecenderungan Pelajar Politeknik Menceburi Diri Dalam E-Sport: Kajian Di Politeknik Besut, Terengganu				
G08		Politeknik Ungku Omar	Mohd Assidiq Bin Che Ahmad	Pembangunan Dan Pelaksanaan Sistem Komputer Diskless				

# PRESENTATION SCHEDULE

**THURSDAY OCTOBER 15, 2020**

**ROOM 4**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK	
Thursday October 15	8.30 - 10.30	F02	Politeknik Sultan Azlan Shah	Hafiza Binti Ibrahim	Mooc Easy Complex Number Sebagai Platform Pembelajaran Terbuka Bagi Kursus Matematik Kejuruteraan	Dr Salwa Amirah binti Awang	<a href="https://bit.ly/2ld12sk">https://bit.ly/2ld12sk</a>	
		F01	Politeknik Ungku Omar	Chiang Yoke Yen	Wolfram Alpha As A Learning Tool In The Topic Of Proposition Logic			
		D02	Politeknik Port Dickson	Nor Safizah Binti Ponachi	Green Peg			
		D01	Politeknik Port Dickson	Ruslawati Abdul Wahab	Pelupusan Sisa Organik Tanpa Pembakaran-Transformasi Insinerator			
	10.30 - 11.00	BREAK						
	11.00 - 1.00	J07	Politeknik Ungku Omar	Shani Gapur Bin Mohamed	Active Learning In The Classroom Promotes Positive Behavior Among Students In Learning Mathematics	Dr Zummy Dahria binti Mohamed Basri	<a href="https://bit.ly/36OAjwy">https://bit.ly/36OAjwy</a>	
		D05	Politeknik Sultan Hj Ahmad Shah	Manisah Binti Mohamad	Kesan Aktiviti Guna Tanah Terhadap Kualiti Air Sungai Kuantan Di Sungai Lembing			
		D06	Politeknik Sultan Haji Ahmad Shah	Nur Bazilah Binti Ishak	Potensi Buluh Sebagai Tetulang Dalam Rasuk Konkrit			
		D08	Politeknik Sultan Idris Shah	Siti Norzaemah Bt Mohd Rashid	Bioremediation Of Water In Detention Pond Using Limnocharis Flava			
	1.00 - 2.30	BREAK						
	2.30 - 4.30	K09	Politeknik Ungku Omar	Shani Gapur Bin Mohamed	Development Of Rotational Inverted Pendulum	Dr Zummy Dahria binti Mohamed Basri	<a href="https://bit.ly/3lpwW39">https://bit.ly/3lpwW39</a>	
		D09	Politeknik Sultan Idris Shah	Tuan Noor Rafidah Bt Tuan Hassan	The Potential Of Metakaolin As Partial Soil Replacement In Interlocking Brick			
		D13	Politeknik Port Dickson	Nora Binti Ismail	Agro-Tech Clay Brick			

# PRESENTATION SCHEDULE

**THURSDAY OCTOBER 15, 2020**

## ROOM 5

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK	
<b>Thursday October 15</b>	8.30 - 10.30	C01	Politeknik Sultan Mizan Zainal Abidin	Idura Arniza Binti Mohd Maidin	Design, Fabrication And Installation Of Sea Trash Bin	Dr Haryati binti Ismail	<a href="https://bit.ly/33llrxj">https://bit.ly/33llrxj</a>	
		C02	Politeknik Mersing	Zulkifli Bin Sarji	XLPE Cable Insulation Reliability Study Under High And Low Temperature Using Weibull Analysis			
		C09	Politeknik Sultan Haji Ahmad Shah	Azimah Binti Jusoh @ Alias	Application Of PLC On A Pedestrian Traffic Light Control System			
		C07	Politeknik Sultan Mizan Zainal Abidin	Mohd Shukri Bin Ghazali	Research: Drying Machine			
	10.30 - 11.00	BREAK						
	11.00 - 1.00	H01	Politeknik Sultan Mizan Zainal Abidin	Mohd Khairulazman Bin Hj Abu Bakar	Konsep Lailatul Qadr Menurut Penafsiran Quraish Shihab Di Dalam Tafsir Al-Misbah	Dr Haryati binti Ismail	<a href="https://bit.ly/2Fh1vIV">https://bit.ly/2Fh1vIV</a>	
		H03	Politeknik Mukah	Anis Binti Abdul Kahar	Kajian Persepsi Pelajar Pbm2024-Advanced Mathematics 2 Terhadap Program Running Math Di Politeknik Mukah			
		H07	Politeknik Sultan Mizan Zainal Abidin	Shaiffuddin Bin Anuar	Penghayatan Nilai Tekun Dan Kerjasama Pelajar Luar Kampus PSMZA.			
		H10	Politeknik Ungku Omar	Rabi'ah Ahmad	Comparative Study On Green Space Features In Public Parks			
	1.00 - 2.30	BREAK						
	2.30 - 4.30	H12	Politeknik Muadzam Shah	Zahana Binti Yusoff	Tactile Symbol On Inclusive Packaging Design For Visually Impaired People	Dr Gunadevi a/p Jeevi Subramaniam	<a href="https://bit.ly/3iJO1TK">https://bit.ly/3iJO1TK</a>	
		H15	Kolej Komuniti Gerik	Norlizawati Binti Hashim	Cabaran Pensyarah Kolej Komuniti Dalam Melaksanakan Proses Pengajaran Dan Pembelajaran Atas Talian			
		H16	Politeknik Sultan Idris Shah	Nurul Imamah Bt Tajri	The Potential Of Chicken Fat As Biodiesel			
		J01	Politeknik Sultan Haji Ahmad Shah	Mohammad Hafeez Bin Md Ramli	Culture Of Islamic Education Lifelong Learning (Pish) In The Community College Towards Implementation In The Religious Education Institution			



# PRESENTATION SCHEDULE

**FRIDAY OCTOBER 16, 2020**

## ROOM 1

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK
Friday October 16	8.30 - 10.00	A02	Politeknik Sultan Azlan Shah	Roshila binti Samsudin	Analysis Of Awkward And Repetitive Body Posture On Oil Palm Plantation Workers	Dr Salwa Amirah binti Awang	<a href="https://bit.ly/2GThq0A">https://bit.ly/2GThq0A</a>
		A12	Politeknik Sultan Azlan Shah	Nor Rafidah Binti Abdul Rahman	Penentu Keputusan Pembelian Produk Hijau Dalam Kalangan Pelajar Tvet (Psas)		
		A22	Politeknik Tun Syed Nasir	Divya Darshini	Production Of Plastic Bottle From Starch Based Bioplastic		

**FRIDAY OCTOBER 16, 2020**

## ROOM 2

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK
Friday October 16	8.30 - 10.00	K14	Politeknik Sultan Azlan Shah	Muhammad Syafiq Bin Khairulanwar	To Study Assembly Improvement Process Through Jig Implementation For D38l (Aruz) Model	Zureena binti Abu Samah	<a href="https://bit.ly/34FrUbT">https://bit.ly/34FrUbT</a>
		K17	Politeknik Sultan Azlan Shah	Mohd Nazri Bin Mohd Sabri	Design And Development Of Automatic Rapid Manufacturing For Layered Cake Machine (Arm-Lc)		
		J02	Politeknik Kuching Sarawak	Siti Zubaidah Binti Janudin	Banana Peels: A Green Solution For Heavy Metal Removal From Water		

# PRESENTATION SCHEDULE

**FRIDAY OCTOBER 16, 2020**

**ROOM 3**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK
Friday October 16	8.30 - 10.00	K05	Politeknik Sultan Azlan Shah	Mohd Izwanni Bin Sariman	Programmable pulse width modulation (PWM) & inverse PWM user interface for h-bridge driver	Ts Dr. Vicneas a/l Muniandy	<a href="https://bit.ly/3iKlRrq">https://bit.ly/3iKlRrq</a>
		K15	Politeknik Kota Kinabalu	Nafizah Binti Hassan	Bonding Performance Of Bonded Wood Joint Using Natural Rubber Latex And Tapioca Starch.		
		J13	Kolej Komuniti Temerloh	Fadilah Binti Yurani	Eksperimentasi Media Ilustrasi Kering Dan Basah Ke Atas Jenis-Jenis Kertas Berserat Semulajadi		

**FRIDAY OCTOBER 16, 2020**

**ROOM 4**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK
Friday October 16	8.30 - 10.00	D04	Politeknik Sultan Azlan Shah	Mazly Bin Mohd Nor	Effect Of Micro Lime Organic As Sustainable Material On Geotechnical Properties Of Batu Pahat Soft Clay.	Dr Zummy Dahria binti Mohamed Basri	<a href="https://bit.ly/2SFDw9u">https://bit.ly/2SFDw9u</a>
		K16	Politeknik Jeli	Mohd Sumazlin Bin Mahamed	Penapis Telaga Tiub		
		J08	Kolej Komuniti Temerloh	Badrul Hisham Bin Shahrin	Eksperimentasi Daun Jati Ke Atas Teknik Eco Print Dengan Penggunaan Perwarna Alam Semulajadi Terhadap Kain Sutera Satin		

# PRESENTATION SCHEDULE

**FRIDAY OCTOBER 16, 2020**

**ROOM 5**

DATE	TIME	ID	INSTITUTION	PRESENTER	TITLE	MODERATOR	LINK
Friday October 16	8.30 - 10.00	K06	Politeknik Ungku Omar	Mohd Izwanni Bin Sariman	Design Of Microstrip Patch Array Antenna With Reflector	Dr. Normala binti Rahmat	<a href="https://bit.ly/3nzlXF4">https://bit.ly/3nzlXF4</a>
		K19	Politeknik Kota Kinabalu	Richard Bin Tiam @ Aloysius	Social Responsibility During Covid19 Pandemic: Innovation Of Face Shield Using 3d Printer		
		J06	Politeknik Sultan Azlan Shah	Lam Kok Wei	Preparing Engineering Graduates For Job Market: How Job-Hunting Mechanism Assists Them		



## MODERATORS

	NAME
1	DR. NORMALA BINTI RAHMAT
2	DR. GUNADEVI A/P JEEVI SUBRAMANIAM
3	EZATUL MARINI BINTI MOHD GHAZALI
4	DR. SALWA AMIRAH BINTI AWANG
5	Ts. DR. VICNEAS A/L MUNIADY
6	DR. HARYATI BINTI ISMAIL
7	DR. ZUMMY DAHRIA BINTI MOHAMED BASRI
8	ZUREENA BINTI ABU SAMAH
9	SYED MUHAMMAD FUAD BIN SAYED ABD RAHMAN
10	Ts. WAN MOHD NAQUIB BIN WAN ABD. RAHMAN
11	DR. NORLEEZA BINTI MUHAMMAD @ WAN MAT
12	HALINA BINTI HAMID

## REVIEWERS

	NAME	FIELD	INSTITUTION	
1	Ts. Dr. Mohd Hafzil Bin Mat Yasin	Green and Renewable Energy	Politeknik Sultan Mizan Zainal Abidin	
2	Dr. Siti Khalijah Binti Jamal		Politeknik Sultan Salahuddin Abdul Aziz Shah	
3	Dr. Syaripah Za'imah Binti Haji Syed Jaapar		Politeknik Tun Syed Nasir Syed Ismail	
4	Ts.Dr.Segar Rajamanickam		Politeknik Seberang Prai	
5	LAr.Dr.Fara Diba Binti Badrul Hisham		Politeknik Nilai	
6	LAr. Dr. Zanariah Binti Kasim		Politeknik Sultan Idris Shah	
7	Dr Fakhriah Binti Muhsin		Politeknik Port Dickson	
8	Dr. Kamsidi@Abd Malek Bin Sidek	Mechanical Engineering	Politeknik Sultan Abdul Halim Mu'adzam Shah	
9	Dr. Syaiful Nizam Bin Ab Rahim		Politeknik Sultan Abdul Halim Mu'adzam Shah	
10	Dr. Ong Tze Ching		Politeknik Kuching Sarawak	
11	Dr. Hartiny Binti Abd Kahar		Politeknik Banting Selangor	
12	Dr. Choong Chee Guan		Politeknik Tuanku Syed Sirajuddin	
13	Dr. Yusnenti Faziran Binti Mohd Yunos		Politeknik Kuching Sarawak	
14	Dr. Khalis Bin Sulaiman		Politeknik Sultan Azlan Shah	
15	Dr. Norashady Bin Mohd Noor		Politeknik Sultan Azlan Shah	
16	Dr. Hadi Bin Khalid		Politeknik Sultan Azlan Shah	
17	Dr. Mazita Binti Mat Ali		Electrical and Electronic Engineering	Politeknik Sultan Abdul Halim Mu'adzam Shah
18	Dr Marlina Binti Ramli			Politeknik Sultan Salahuddin Abdul Aziz Shah
19	Dr. Nor Hidayu Binti Shahadan			Politeknik Ibrahim Sultan
20	Ts. Dr. Hj Zunuwanas Bin Mohamad			Politeknik Sultan Salahuddin Abdul Aziz Shah
21	Dr Hj Wan Rosemehah Binti Wan Omar			Politeknik Sultan Salahuddin Abdul Aziz Shah
22	Dr. Fizatul Aini Binti Patakor			Politeknik Merlimau
23	Ts. Ir. Dr. Ahmad Azlan Bin Ab Aziz			Politeknik Sultan Salahuddin Abdul Aziz Shah
24	Dr. Izwah Binti Ismail			Politeknik Ungku Omar

## REVIEWERS

BIL	NAME	FIELD	INSTITUTION
25	Dr. Saipol Hadi Bin Hasim	Electrical and Electronic Engineering	Politeknik Ibrahim Sultan
26	Dr. Che Zawiyah Binti Che Hasan		Politeknik Sultan Idris Shah
27	Dr. Normazlina Binti Mat Isa		Politeknik Tun Syed Nasir Syed Ismail
28	Dr. Kesavan Ulaganathen		Politeknik Sandakan Sabah
29	Dr. Noor Ainniesafina Binti Zainal		Politeknik Ibrahim Sultan
30	Dr. Syahrull hi-fi syam Bin Ahmad Jamil		Politeknik Tunku Syed Sirajuddin
31	Dr. Ruslawati Binti Abdul Wahab	Civil Engineering	Politeknik Port Dickson
32	Dr. Nazirah Binti Mohamad Abdullah		Fakulti Kejuruteraan Awam & Seni Bina, Universiti Tun Hussein Onn
33	Dr. Norani Binti Abd Karim		Politeknik Kota Kinabalu
34	Dr. Sivanandan A/L Balakrishnan		Politeknik Port Dickson
35	Dr Azuin Binti Ramli		Politeknik Ungku Omar
36	Dr. Norleeza Binti Muhammad		Politeknik Sultan Azlan Shah
37	Dr. Syaiful Baharee Bin Jaafar		Politeknik Tuanku Sultanah Bahiyah
38	Dr. Zummy Dahria Binti Mohamed Basri		Politeknik Sultan Azlan Shah
39	Cr. Dr. Ling Ying Leh	Science and Mathematics	Politeknik Kuching Sarawak
40	Dr. Chong Fung Yen @ Azilina Chong		Politeknik Kota Kinabalu
41	Dr. Jailani Bin Abdul Kadir	Information Technology	Politeknik Tunku Syed Sirajuddin
42	Dr May Asliza Bt Tan Zalilah		Politeknik Ungku Omar
43	Dr.Rohani Binti M.M Yusoff		Politeknik Seberang Perai
44	Dr. Vicneas Muniady		Politeknik Sultan Azlan Shah
45	Dr May Asliza Bt Tan Zalilah		Politeknik Ungku Omar
46	Dr. Muhammad Razuan Bin Abdul Razak		Kolej Komuniti Pasir Salak
47	Dr. Mohamad Siri Bin Muslimin		Politeknik Port Dickson
48	Dr. Norhafizah Binti Ismail		Politeknik Mersing Johor

## REVIEWERS

BIL	NAME	FIELD	INSTITUTION
49	Dr. Salwa Amirah Binti Awang	Social Sciences	Politeknik Sultan Azlan Shah
50	Dr. Nursafra Binti Mohd Zhaffar		Akademi Pengajian Islam Kontemporari (Acis), UITM Cawangan Negeri Sembilan Kampus Rembau
51	Dr. Nurulaini Hafizah Binti Mohd Hafir		Politeknik Mukah
52	Dr Mahnessa Binti A Kadir		Politeknik Nilai, Negeri Sembilan
53	Dr. Ahmad Rosli Bin Mohd Nor		Universiti Teknologi Mara Cawangan Melaka
54	Dr. Suhaini Binti Mat Daud		Politeknik Sultan Abdul Halim Mu'adzam Shah
55	Dr. Logaiswari A/P Indiran		Universiti Teknologi Malaysia
56	Dr. Nursakinah Binti Md Salleh		Politeknik Mukah, Sarawak
57	Dr. Nor Hidayah Binti Mohamed		Kolej Komuniti Hulu Langat
58	Dr. Prasanna Kesavan		Politeknik Ibrahim Sultan
59	Dr Parameswari Shunmugam		Politeknik Port Dickson
60	Dr. Mazlin Mohamed Mokhtar		Universiti Pendidikan Sultan Idris (UPSI)
61	Dr. Mohd Shahril Bin Mohd Hassan@Abdul Ghani		Politeknik Muadzam Shah
62	Dr. Lewis Liew Teo Piaw		Kolej Komuniti Mas Gading
63	Dr. Mohd Firdaus Habib Mohd		Kolej Komuniti Bukit Mertajam
64	Dr. Mazlina Binti Jamaludin		Politeknik Sultan Idris Shah



## COMMITTEE MEMBERS

COMMITTEE	MEMBER
ADVISOR	MUHAMMAD ZUBIR BIN MOHD. HANIFAH
CHAIRPERSON I	SITI MARLINA BINTI MUHAMMAD AMIN
CHAIRPERSON II	MEJAR (PA) NIZAM AZMAL BIN ABDUL MALEK
PROGRAM DIRECTOR	AMINAH BINTI OTHMAN
DEPUTY PROGRAM DIRECTOR I	HAINOL AKBAR BIN ZAMAN
DEPUTY PROGRAM DIRECTOR II	Ts. SYAHRUNIZAM BIN BUYAMIN
SECRETARY I	HALINA BINTI HAMID
SECRETARY II	HASLINDA BINTI ABDUL AZIZ
TREASURER	RUZIMAS AYU BINTI RAZALI
REGISTRATION	NORMIEZA BINTI MOHD YUSOFF
	ALIZA BINTI MD ATAN
	IFANIZA BINTI IBRAHIM
RESEARCH PAPER EVALUATION	DR. NORMALA BINTI RAHMAT
	MUHAMMAD FIRDAUS BIN MOHD ZUBLIE
	ASMA ASDAYANA BINTI IBRAHIM
	DR. NORLEEZA BINTI MUHAMMAD
	SITI NOORHANI BINTI MOHD KARDI
	MARINA BINTI SAMSUDDIN
PRESENTATION	NOR AZIZAN BINTI AZRIN
	NOR AZZILA BINTI AZMI
	ABU HASHIM BIN SAAD
	MIOR ISKANDAR BIN MIOR AZIZAN
	FAUZAN BIN AB RAHMAN
	NOR RAFIDAH BINTI ABDUL RAHMAN

## COMMITTEE MEMBERS

COMMITTEE	MEMBER
PUBLICATION  (PROGRAM BOOK)	DR. SALMIZA BINTI ABDUL RAHIM
	DR. GUNADEVI A/P JEEVI SUBRAMANIAM
	RAHIMAH BINTI IBRAHIM
	DR. CHAN SUET FONG
	AISYAH BINTI MOHAMAD SAID
	WAN YONSHARLINAWATI BINTI WAN JAAFAR
	NURUL AIN BT OTHMAN
	ZULAIKHA BINTI KAMARUDIN
GRAPHIC DESIGN	DARNI BINTI DARMIN
	ROSDI BIN IDRIS ABAS @HJ MOHD ANUR
	NORAZLINDA BINTI MOHAMED
	MUHAMMAD FIKRI BIN HARUN
TECHNICAL	WAN AZRAEI BIN WAN MUSTAPHA
	MUHAMMAD ZAIDI BIN ZAINAL
	NUR HAMIZA WATI BINTI HASSAN
	MOHD NAIN BIN MOHD RAZALI
	ZURAIRAH HANIM BINTI ZULKUPLI
PUBLICITY & WEBSITE	Ts. DR. VICNEAS A/L MUNIADY
	WAN 'AFIFAH BINTI WAN ABDULLAH
SPEECHES/ CERTIFICATES	FATHIMAH PATHMA BINTI ABDULLAH
	HEMA A/P MUNIANDY PORTORAJO
	JOSEPH SELVAM NEELAGANDAM
	ANISAH BINTI NASIB
	SITI NADIAH BT. MOHD SADALI@SALIM
SOUVENIRS	MAZLY BIN MOHD NOR
	ARYUZIYANTI BINTI MOHAMAD@MOHD NOR
	SURIYANI BINTI JAMIRIN@JAMIRELL