

TABLE OF CONTENT

<u>ID</u>	<u>TITLE & AUTHORS</u>	<u>PAGES</u>
	Editorial Preface	ii
	Editorial Board and Reviewers	iv
 TRACK 1: CREATIVE AND INNOVATIVE IN TEACHING & LEARNING		
03	View of student performance using online final examination in semester affected due to COVID-19 pandemic: Bachelor of Electrical Engineering case study <i>Maaspaliza Azri, Azrita Alias</i>	2-5
05	Insight of student’s learning preferences on project-based course: A case study on Faculty of Electrical Engineering (FKE), Universiti Teknikal Malaysia Melaka (UTeM) <i>Fairul Azhar Abdul Shukor, Muhammad Fahmi Miskon, Hazriq Izzuan Jaafar</i>	6-9
12	Engaging online learning activities using Padlet in teaching mathematics for engineering students <i>Rahifa Ranom, Irma Wani Jamaludin</i>	10-13
37	The impact of multimodal approach on the efficacy of artificial intelligence online course from the social constructivism perspective <i>Nur Zareen Zulkarnain, Noor Fazilla Abd Yusof, Sharifah Sakinah Syed Ahmad</i>	14-17
38	The impact of ambivert personality traits and the hybrid teaching style on students’ satisfaction: A quantitative and qualitative analysis <i>Noor Fazilla Abd Yusof, Nur Zareen Zulkarnain, Sharifah Sakinah Syed Ahmad</i>	18-20
42	Project-based learning in engineering education: Evaluation of the PBL implementation, students’ perception and grade attainment <i>Rahimah Abdul Hamid, Sayed Kushairi Sayed Nordin</i>	21-24
50	Application of TeamViewer software to assist teaching and learning for Computer Aided Design course during Covid-19 pandemic <i>Sushella Edayu Mat Kamal, Fadhilah Shikh Anuar, Siti Norbaya Sahadan</i>	25-28
 TRACK 2: LEARNING TECHNOLOGY		
01	Covid-19: Effects of online teaching to student attainment in Electromagnetic course <i>Fairul Azhar Abdul Shukor, Kyairul Azmi Baharin</i>	30-34

<u>ID</u>	<u>TITLE & AUTHORS</u>	<u>PAGES</u>
07	The study on distance learning approach implementation in Data Communication and Networking course at UTeM <i>Erman Hamid, Norharyati Harum, Robiah Yusof, Mohd Fairuz Iskandar Othman, Nurul Akmar Emran</i>	35-37
09	The effectiveness of online teaching and learning for sirah's subject in SRA JAIM Limbongan Melaka during the movement control order <i>Erman Hamid, Norharyati Harum, Nazrulazhar Bahaman, Nor Azman Mat Ariff, Mohd Zaki Mas'ud, Noraswaliza Abdullah</i>	38-41
21	Final Year Project (FYP) assessment using Moodle (ULearn) platform as a management system: From coordinator view <i>Lau Kok Tee, Norfariza Ab Wahab, Ahmad Zul Husni Che Mamat</i>	42-45
24	Designing an ePortfolio framework for Academic Writing for technical university students <i>Linda Khoo Mei Sui, Subatira Balakrishnan, S. Indra Devi</i>	46-48
31	Learning Covid-19 restaurant standard operating procedures (SOPs) through virtual reality (VR) game <i>Norazlin Mohammed, Soh Yi Jin, Khor Zen Di</i>	49-52
32	The development of virtual electrolysis experiment by using augmented reality for chemistry secondary education during Covid-19 pandemic <i>Norazlin Mohammed, Lua Cheong Feng, Ong Hui Jie</i>	53-55
36	The issues and challenges of Covid-19 outbreak in Malaysian higher education institutions: A preliminary study <i>Noraini Husin, Muliati Sedek, Fauziah Abdullah, S. Indra Devi</i>	56-59
39	Preliminary study on automatic feedback in formative assessments <i>Mashanum Osman, Sazalinsyah Razali, Yogan Jaya Kumar, Halizah Basiron, Fatin Aliah Phang Abdullah</i>	60-62
40	Utilization of ubiquitous technology among engineering undergraduates <i>Muliati Sedek, Nurdayana Izyan Ahmad Ahsan, Noraini Husin</i>	63-65
TRACK 3: LEARNING SKILLS		
15	The choices of thinking tools among UTeM students <i>Norun Najjah Ahmat, Hafzan Ariffin, Nor Fazilah Abdul Hamid</i>	67-70
20	Exploring impact of online learning to students using machine learning <i>Nahvin Muthusamy, Yoong Cheng Nee, Ding Xue Wing, Sharifah Sakinah Syed Ahmad</i>	71-74

<u>ID</u>	<u>TITLE & AUTHORS</u>	<u>PAGES</u>
28	Virtual student mentorship: Future-proof for new learning ecosystems <i>Hazriq Izzuan Jaafar, Muhammad Fahmi Miskon, Fairul Azhar Abdul Shukor, Rozaimi Ghazali, Nurul Ain Mohd Said</i>	75-78
29	Employers' perspective on graduating student performance of mechanical engineering technology academic programme <i>Wan Hasrulnizam Wan Mahmood, Umar Al-Amani Haji Azlan, Mohd Yuhazri Yaakob, Kamarul Amir Mohamed, Khairul Amri Tofrowaih</i>	79-82
43	A pilot study on SRL awareness among electronic engineering students in the COVID-19 pandemic era <i>Mas Haslinda Mohamad, Mawarni Mohamed Yunus, Siti Rosmaniza Ab Rashid</i>	83-85
53	Impact of Instructional academic advising (AA) on Student's cumulative grade point average (CGPA) in undergraduate education <i>Mariam Md Ghazaly, Zulkeflee Abdullah</i>	86-88

TRACK 4: TVET TEACHING AND LEARNING

04	Smart plant management monitoring system (SPMMS) learning model toward greening technical and vocational education and training (TVET) sustainable development <i>Zanariah Jano, Ahmad Sayuthi Mohamad Shokri, Rory Padfield</i>	90-93
06	Studies on the effectiveness of students' technical competency using hands-on-approach in Network Analysis and Design Course at UTeM <i>Robiah Yusof, Erman Hamid, Suzi Iryanti Fadilah</i>	94-97
10	Effective behaviors and courses delivery on entrepreneurship intention of TVET students <i>Kamarudin Abu Bakar, Mohd Fazli Mohd Sam, Albert Feisal @ Muhd Feisal Ismail, Muhammad Imran Qureshi</i>	98-101
14	Individual performance study based on correlation between programme outcomes attainment and CGPA <i>Aziah Khamis, Nur Ilyana Anwar Apandi, Muhammad Suhaizan Sulong, Azrita Alias</i>	102-104
18	Impact of working environment towards job satisfaction of teaching engineers in Universiti Teknikal Malaysia Melaka <i>Pratish Mohan, Mohd Fauzi Kamarudin</i>	105-108
22	Teaching factory as a new model For Education 4.0 <i>Amiruddin Ahamat, Albert Feisal @ Muhd Feisal Ismail, Sabri Mohamad Sharif</i>	109-111

<u>ID</u>	<u>TITLE & AUTHORS</u>	<u>PAGES</u>
23	The reliability of team-teaching dimension for evaluating the effectiveness of team-taught engineering courses in Universiti Teknikal Malaysia Melaka <i>Nurdiana Nordin @ Musa, Aziah Khamis, Jariah Mohamad Juoi, Noor Baiduri Abd Halim, Anis Niza Ramani</i>	112-115
25	Themes on issues and challenges of TVET in primary education of Malaysia: A case study in Melaka <i>Latifah Mohd Ali, Mohd Fauzi Kamarudin</i>	116-120
27	Utilizing web tools for engineering projects and report writing <i>Abd Rahman Dullah, Faiz Redza Ramli, Mohd Azman Abdullah, Shafizal Mat, Asmida Ismail, Shamsul Anuar Shamsudin</i>	121-124
30	English for professional interaction and graduate employability: Exploring the students' perceptions of creating digital video CV task <i>Nor Lailatul Azilah Hamdzah, Noraini Husin, Nadiyah Zainal Abidin, Nor Hazlen Niza Hussein, Noorsaiyidah Suradi</i>	125-128
34	Impromptu speech as an instructional strategy in developing undergraduate engineers' English oral proficiency <i>Fauziah Abdullah, Noraini Husin, S. Indra Devi</i>	129-131
44	Impact of COVID-19 on the mechanical engineering students' academic performance: A case study of Universiti Teknikal Malaysia Melaka <i>Mohd Fadzli Abdollah, Noryani Muhammad, Juffrizal Karjanto, Nadlene Razali, Faiz Redza Ramli, Nurhidayah Ismail, Faizul Akmar Abdul Kadir, Suhaimi Misha, Ruztamreen Jenal</i>	132-135
46	English skills and competencies requirements for engineers of Industry 4.0 <i>S. Indra Devi, Farah Shahnaz Feroz, Noraini Husin, Kenneth Sundaraj</i>	136-140

TRACK 5: STEM EDUCATION

08	Designing science, technology, engineering and mathematics (STEM) competition during COVID-19 pandemic <i>Norharyati Harum, Erman Hamid, Nurul Azma Zakaria, Sharifah Sakinah Syed Ahmad</i>	142-145
33	Extending the extended UTAUT2 in understanding e-learning acceptance for future STEM education research: A conceptual framework <i>Syuhaida Mahamud, Fam Soo Fen, Hasan Saleh, Sentot Imam Wahjono</i>	146-150

<u>ID</u>	<u>TITLE & AUTHORS</u>	<u>PAGES</u>
47	Online STEM mentoring program for service-learning experience among first year engineering technology undergraduates <i>Aliza Che Amran, Muliati Sedek, Rozilawati Mohd Nor, Dayanasari Abdul Hadi, Saleha Mohamad Saleh</i>	151-154
51	Addressing the interdependence attributes of undergraduate students through problem-based project <i>Shamsul Anuar Shamsudin, Mohd Azman Abdullah, Shafizal Mat, Muhd Ridzuan Mansor, Mohd Adrinata Shahruruzaman</i>	155-158