



Online Conference

# 3<sup>rd</sup> ICSTEM 2021

INTERNATIONAL CONFERENCE IN SCIENCE  
TECHNOLOGY ENGINEERING AND MATHEMATICS

*"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"*

13 - 14 SEPTEMBER 2021

DETAILS  
CONFERENCE  
SCHEDULE

# 3<sup>rd</sup> ICSTEM 2021

INTERNATIONAL CONFERENCE IN SCIENCE  
TECHNOLOGY ENGINEERING AND MATHEMATICS

Online Conference



"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"

Day 1 | 13 September 2021 | Monday

TIME	ACTIVITY
8.00 a.m - 8.30 a.m	Registration and participants preparation
8.30 a.m - 8.50 a.m	Welcoming speech <b>YBhg. Professor Dr Mazlan Bin Abd Ghaffar</b> Vice Chancellor of Universiti Malaysia Terengganu
8.50 a.m	Officiation and opening ceremony <b>YBhg. Datin Sri Hajah Nor Zamani binti Abdol Hamid</b> Director General of Education, Ministry of Education Malaysia
9.20 a.m	<b>Keynote 1</b>  <b>Professor Dr Manabu Sumida (Ehime University, Japan)</b> <b>Title:</b> STEAM Education for Society 5.0 in Japan
10.00 a.m - 1.00 p.m	Oral presentations & poster presentations
1.00 p.m	<b>BREAK</b>
2.00 p.m	<b>Plenary 1</b>  <b>Professor Dr Mohan Chinnappan (University of South Australia, Australia)</b> <b>Title:</b> Mathematics for STEM Education: Reframing the Nature of Content of Mathematics and Knowledge for Teaching Mathematics
3.00 p.m - 4.15 p.m	Oral presentations & poster presentations
4.15 p.m	<b>Plenary 2</b>  <b>YBhg. Professor Dr Ong Eng Tek (Universiti Pendidikan Sultan Idris, Malaysia)</b> <b>Title:</b> Inquiry Learning in Science: Research and Classroom Practice
5.00 p.m	Dismiss

\*All posters from the participants are displayed in ICSTEM 2021 website.



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"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"

Day 2 | 14 September 2021 | Tuesday

TIME	ACTIVITY
8.00 a.m	Registration and participants preparation
8.15 a.m	<p><b>Keynote 2</b></p> <p><b>Professor Dr Valarie Akerson (Indiana University, USA)</b>  <b>Title:</b> Is it STEM, or is it Science, Technology, Engineering, and Mathematics? Going Beyond Disciplinary Instruction</p>
9.00 a.m - 11.00 a.m	Oral presentations & poster presentations
11.00 a.m	<b>BREAK</b>
11.30 a.m - 1.00 p.m	Oral presentations & poster presentations
2.00 p.m	<p><b>Plenary 3</b></p> <p><b>YBhg. Professor Dr Kamisah Osman (Universiti Kebangsaan Malaysia, Malaysia)</b>  <b>Title:</b> Pedagogy Approach to Integrate Computational Thinking Skills in STEM Education</p>
2.45 p.m	<p><b>Forum "Integrated STEM Education: Issues and Challenges"</b>  <b>Moderator:</b> YBhg. Professor Dato' Dr Noraini Binti Idris                      (Adjunct Professor in UMT &amp; President of National STEM Association, Malaysia)</p> <p><b>Panel 1</b> : Asst Prof Dr Choy Ban Heng                      (National Institute of Education, Singapore)</p> <p><b>Panel 2</b> : Assoc Prof Dr Rachel Sheffield                      (Curtin University, Australia)</p> <p><b>Panel 3</b> : Dr Kessara Amornvuthivorn                      (SEAMEO STEM ED, Thailand)</p>
3.45 p.m	<p>Closing and prize giving ceremony</p> <p><b>YBhg. Professor Ir Dr Robiah Binti Yunus</b>                      Deputy Director General, Ministry of Higher Education Malaysia</p>

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MINISTRY OF HIGHER EDUCATION



MINISTRY OF EDUCATION MALAYSIA

*Online Conference*

# **3<sup>rd</sup> ICSTEM 2021**

## **INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS**

***"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"***

**Click ROOM to join the Oral Presentation room and  
BALLROOM to join Opening & Closing Ceremony, Keynote,  
Plenary & Forum Session**

**BALLROOM**

**WEBSITE**

**ROOM 1**

**ROOM 2**

**ROOM 3**

**ROOM 4**

**ROOM 5**

**ROOM 6**

**ROOM 7**





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Online Conference

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INTERNATIONAL CONFERENCE IN SCIENCE  
TECHNOLOGY ENGINEERING AND MATHEMATICS

**“IMPLEMENTATION OF INTEGRATED STEM EDUCATION”**

*Opening & Closing*





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Link: <https://umt.webex.com/umt/j.php?MTID=m9d9819827a5d1553ca67264807aed856>



Event number: 170 137 0488  
Password: ICSTEM2021

# Opening Ceremony

ONLINE CONFERENCE

# 3<sup>rd</sup> ICSTEM 2021

INTERNATIONAL CONFERENCE IN SCIENCE  
TECHNOLOGY ENGINEERING AND MATHEMATICS

"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"

13 September 2021 (Monday) | 8.00 am



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**YBHG. PROF. DR.  
MAZLAN BIN ABD GHAFFAR, FASc**  
Vice Chancellor  
Universiti Malaysia Terengganu

Officiated by  
**YBHG. DATIN SRI  
HAJAH NOR ZAMANI BT. ABDOL HAMID**  
Director General of Education,  
Ministry of Education







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# Closing Ceremony

ONLINE CONFERENCE

# 3<sup>rd</sup> ICSTEM 2021

INTERNATIONAL CONFERENCE IN SCIENCE  
TECHNOLOGY ENGINEERING AND MATHEMATICS

"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"

14 September 2021 (Tuesday) | 3.45 pm



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**YBHG. PROF. DR.  
MAZLAN BIN ABD GHAFFAR, FASc**  
Vice Chancellor  
Universiti Malaysia Terengganu

Officiated by  
**YBHG. PROF. IR. DR  
ROBIAH BINTI YUNUS**  
Deputy Director General  
(Academic and Development)  
Department of Higher Education  
Ministry of Higher Education







MINISTRY OF HIGHER EDUCATION



MINISTRY OF EDUCATION MALAYSIA

Online Conference

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INTERNATIONAL CONFERENCE IN SCIENCE  
TECHNOLOGY ENGINEERING AND MATHEMATICS

“IMPLEMENTATION OF INTEGRATED STEM EDUCATION”

*Keynote, Plenary & Forum*



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TECHNOLOGY ENGINEERING AND MATHEMATICS

Online Conference



*"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"*

## KEYNOTE AND PLENARY ADDRESS SCHEDULE Day 1 | 13 September 2021 | Monday

No.	Time	Event
1.	9.20 am - 10.00 am	<p><b>PROFESSOR DR MANABU SUMIDA</b></p> <p>Professor, Department of Science Education, Faculty of Education, Ehime University Special Aide to the President Associate Director, Institute for International Relations Principal, Ehime University Senior High School</p> <p><b>"STEAM Education for Society 5.0 in Japan"</b></p> <p><b>Moderator: DR IHSAN ISMAIL, PMO-DPD</b></p>
2.	2.00 pm - 3.00 pm	<p><b>PROFESSOR DR MOHAN CHINNAPPAN</b></p> <p>Visiting professors at SEAMEO Regional Centre for Quality Improvement of Teachers and Educational Personnel in Mathematics, Yogyakarta, Indonesia, Universiti Sains Malaysia, Universiti Pendidikan Sultan Idris (UPSI), SEMEO Regional Centre for Science and Mathematics Education, Seoul National University of Education</p> <p><b>"Mathematics for STEM Education: Reframing the Nature of Content of Mathematics and Knowledge for Teaching Mathematics"</b></p> <p><b>Moderator: DR MOHD ULUL ILMIE AHMAD NAZRI, PASTEM-UMT</b></p>
3.	4.15 pm - 5.00 pm	<p><b>PROFESSOR DR ONG ENG TEK</b></p> <p>Professor of Science in Universiti Pendidikan Sultan Idris (UPSI)</p> <p><b>"Inquiry Learning in Science: Research and Classroom Practice"</b></p> <p><b>Moderator: MR AHMAD FARID ABDUL FUAD, PASTEM-UMT</b></p>

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# 3<sup>rd</sup> ICSTEM 2021

## INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS



**"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"**

### KEYNOTE AND PLENARY ADDRESS SCHEDULE

**Day 2 | 14 September 2021 | Tuesday**

No.	Time	Event
1.	8.15 am - 9.00 am	<p><b>PROFESSOR DR VALARIE AKERSON</b> Professor of Science Education, Indiana University, USA</p> <p><b>"Is it STEM, or is it Science, Technology, Engineering, and Mathematics? Going Beyond Disciplinary Instruction"</b></p> <p><b>Moderator: ASSOC PROF DR LAILI HJ CHE ROSE, PASTEM-UMT</b></p>
2.	2.00 pm - 2.45 pm	<p><b>PROFESSOR DR KAMISAH OSMAN</b> Chair Social and Economic Transformation Research Cluster Deputy Director IDEA Research Centre (Managing UKM Research and Innovation)</p> <p><b>"Pedagogy Approach to Integrate Computational Thinking Skills in STEM Education"</b></p> <p><b>Moderator: DR NURHAKIMAH AB. RAHMAN, PASTEM-UMT</b></p>



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TECHNOLOGY ENGINEERING AND MATHEMATICS



*"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"*

## FORUM SCHEDULE

Day 2 | 14 September 2021 | Tuesday | 2.45PM -3.45 PM

### Event

FORUM IN CONJUNCTION WITH ICSTEM 2021

*"Integrated STEM Education: Issues and Challenges"*

**Moderator: YBHG. PROF DATO' DR NORAINI IDRIS**

Adjunct Professor at Universiti Malaysia Terengganu  
President of National STEM Association, Malaysia

### Panelists:

**ASST PROF DR CHOY BAN HENG**

(National Institute of Education, Singapore)

**ASSOC PROF DR RACHEL SHEFFIELD**

(Curtin University, Australia)

**DR KESSARA AMORNVUTHIVORN**

(SEAMEO STEM ED, Thailand)



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"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"



13<sup>th</sup> September 2021 (Monday) | 9.20 am (10.20 am Japan time)

*Keynote  
Speaker 1*  
**STEAM Education  
for Society 5.0  
in Japan**

**PROF. DR. MANABU SUMIDA**  
Ehime University



**DR. IHSAN BIN ISMAIL**  
Deputy of Head of Secretariat (Technical),  
Digital Education Policy,  
Ministry of Education





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14<sup>th</sup> September 2021 (Tuesday) | 8.15 am (8.15 pm USA time)

*Keynote Speaker 2*

**Is it STEM, or is it Science,  
Technology, Engineering and  
Mathematics?: Going Beyond  
Disciplinary Instruction.**

**PROF. DR. VALARIE AKERSON**  
Indiana University Bloomington  
Indiana, USA



**MODERATOR**



**ASSOC. PROF. DR.  
LAILI BINTI HJ CHE ROSE**  
Director of STEM Foundation Centre,  
Universiti Malaysia Terengganu

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*"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"*

13<sup>th</sup> September 2021 (Tuesday) | 2.00 pm (3.30 pm Australia time)

*Plenary Speaker 1*  
**Mathematics for STEM Education:  
Reframing the nature of content  
of mathematics and knowledge  
for teaching mathematics**

**PROF. DR. MOHAN CHINNAPPAN**  
University of South Australia



**MODERATOR**



**DR. MOHD ULUL ILMIE  
BIN AHMAD NAZRI**  
Lecturer, STEM Foundation Centre,  
Universiti Malaysia Terengganu





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"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"

13<sup>th</sup> September 2021 (Monday) | 4.15 pm

*Plenary Speaker 2*  
**Inquiry learning in science:  
Research and classroom  
practice**

**YBHG. PROF. DR. ONG ENG TEK**  
Universiti Pendidikan Sultan Idris (UPSI)



**MODERATOR**



**AHMAD FARID  
BIN ABDUL FUAD**  
Lecturer, STEM Foundation Centre,  
Universiti Malaysia Terengganu





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"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"

14<sup>th</sup> September 2021 (Tuesday) | 2.00 pm

*Plenary Speaker 3*  
**Pedagogy approach to  
integrate computational  
thinking skills in STEM  
Education**

**YBHG. PROF. DR. KAMISAH OSMAN**  
Universiti Kebangsaan Malaysia (UKM)



**MODERATOR**



**DR. NURHAKIMAH  
BINTI AB. RAHMAN**  
Lecturer, STEM Foundation Centre,  
Universiti Malaysia Terengganu





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TECHNOLOGY ENGINEERING AND MATHEMATICS



*"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"*

14<sup>th</sup> September 2021 (Tuesday) | 2.45-3.45 pm

## Forum Integrated STEM Education Issues and Challenges

### PANELISTS



**ASSOC. PROF. DR. RACHEL SHEFFIELD**  
Curtin University  
Australia

**ASST. PROF. DR. CHOY BAN HENG**  
National Institute of  
Education, Singapore

**DR. KESSARA AMORNVUTHIVORN**  
SEAMEO STEM-ED  
Thailand

### MODERATOR



**YBHG. PROF. DATO' DR. NORAINI IDRIS**  
(Adjunct Professor in UMT  
and President of National STEM  
Association, Malaysia)





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*"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"*

*Oral Presentation*



## ORAL PRESENTATION SCHEDULE

### INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)



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**SEPTEMBER 13, 2021 | MONDAY  
ROOM 1**

*Click [Room](#) to join the conference room and [Plenary](#) to join the talk.*

<a href="#">Room 1</a>		Theme	Pedagogy		
Meeting No. : <b>170 164 5689</b>		Host	<b>Mr. Suffian Bin Anuar</b>		
Password : <b>ICSTEM2021</b>		Chairperson	<b>Mrs. Farahani Binti Mohd Lazim</b>		
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	10:00 am - 10:15 am	<b>OPG02</b>	<b>SEK MEN SAINS MUZAFFAR SYAH, MELAKA</b>	<b>STUDENTS' ATTITUDES TOWARDS STEM EDUCATION</b>	<b>Mohd Adnan Bin Kaus</b> <a href="mailto:adnankaus@yahoo.com">adnankaus@yahoo.com</a> 0122905837
2	10:15 am - 10:30 am	<b>OPG03</b>	<b>SMK KUDAT, SABAH</b>	<b>DEVELOPMENT OF 'DRAG IT, PROVE IT' TO INCREASE STEM STUDENTS UNDERSTANDING ON DERIVATION OF FORMULAS IN ADDITIONAL MATHEMATICS</b>	<b>Ramesh Kumar Muniandy Abdullah</b> <a href="mailto:rameshkumarmuniandy@gmail.com">rameshkumarmuniandy@gmail.com</a> 0198011912
3	10:30 am - 10:45 am	<b>OPG04</b>	<b>SMK KUNAK JAYA, SABAH</b>	<b>SOLVING PROBLEM INVOLVING CHEMICAL EQUATION FOR CHEMISTRY SUBJECT USING THE JAPANESE BANSHO PLAN MODEL</b>	<b>Chin Kui Kyun</b> <a href="mailto:sirchin87@gmail.com">sirchin87@gmail.com</a> 0149136428
4	10:45 am - 11:00 am	<b>OPG05</b>	<b>SMK LONG YUNUS, KELANTAN</b>	<b>GAMIFY YOUR TEACHING USING QR CODE SNAKE AND LADDER FOR EDUCATIONAL PURPOSES</b>	<b>Juliana Binti Baharuddin</b> <a href="mailto:julieborhan@yahoo.com">julieborhan@yahoo.com</a> 0122847484
5	11:00 am - 11:15 am	<b>OPG06</b>	<b>SMK PADANG PIOL, PAHANG</b>	<b>USING INSTAGRAM AS AN ALTERNATIVE MEDIUM FOR ONLINE LEARNING DURING MOVEMENT CONTROL ORDER (MCO) SITUATION</b>	<b>Shamsul Izwan Bin Shamsudin</b> <a href="mailto:nawzi181@yahoo.com">nawzi181@yahoo.com</a> 0148756860

6	11:15 am - 11:30 am	<b>OPG07</b>	<b>SMK PAYA PULAI, PAHANG</b>	<b>A META-ANALYSIS STUDY OF THE LITERACY FRAMEWORK ON MOBILE LEARNING IN MALAYSIA</b>	<b>Nik Zuhailah Binti Nik Zainal Abidin</b> <a href="mailto:nikzu80@gmail.com">nikzu80@gmail.com</a> 0199702887
7	11:30 am - 11:45 am	<b>OPG08</b>	<b>KOLEJ MATRIKULASI LABUAN</b>	<b>ASYNLP METHOD INSTILLING JOY IN LEARNING AMONGST CHEMISTRY STUDENTS AT LABUAN MATRICULATION COLLEGE DURING COVID-19 CONDITIONAL MOVEMENT CONTROL ORDER (CMCO)</b>	<b>Byron MC Michael Kadum</b> <a href="mailto:byrnkdm@gmail.com">byrnkdm@gmail.com</a> 0168069178
8	11.45 am – 12.00 pm	<b>OPG09</b>	<b>SMK PENGKALAN BERANGAN, TERENGGANU</b>	<b>MAGIC SAND</b>	<b>Norlaila Sari Binti Husin</b> <a href="mailto:laila_122_shaha@yahoo.com">laila_122_shaha@yahoo.com</a> 01125479133
9	12:00 pm - 12:15 pm	<b>OPG10</b>	<b>SMK SEKSYEN 16, SELANGOR</b>	<b>KIT BAMAK – KIT BAHAN MANIPULATIF KEBARANGKALIAN YANG DIGUNAKAN UNTUK MENGUASAI TOPIK KEBARANGKALIAN DALAM KALANGAN MURID 3 BERLIAN</b>	<b>Nurhafiza Binti Md Husin</b> <a href="mailto:g-26363614@moe-dl.edu.my">g-26363614@moe-dl.edu.my</a> 0197930330
10	12:15 pm - 12:30 pm	<b>OPG11</b>	<b>SMK PUTERI, KELANTAN.</b>	<b>MODULE DEVELOPMENT FOR THE TITLE 'ELECTRONIC PROGRAMMING TEACHING MODULE (MPPE) IN THE SUBJECT OF DESIGN AND TECHNOLOGY FORM TWO'</b>	<b>Zul Afida Binti Abdullah</b> <a href="mailto:g-60092289@moe-dl.edu.my">g-60092289@moe-dl.edu.my</a> 0169354244
	1.00 pm – 2.00 pm	BREAK			
	2.00 pm – 3.00 pm	<a href="#">PLENARY 1</a>			
12	3:00 pm - 3:15 pm	<b>OPG13</b>	<b>SMK SULTAN ISMAIL</b>	<b>FOSTERING STUDENT INVOLVEMENT IN AGRICULTURE THROUGH STEM-AGRO PROJECT: SWEET POTATOES PRODUCTION DURING MOVEMENT CONTROL ORDER (MCO), ENHANCE STUDENTS' PROBLEM SOLVING SKILLS AND CREATIVE THINKING SKILLS.</b>	<b>Hartini Binti Hashim</b> <a href="mailto:hartinhashim912@gmail.com">hartinhashim912@gmail.com</a> 0199812445



13	3:15 pm - 3:30 pm	<b>OPG14</b>	<b>SMK TAMAN DESA JAYA, JOHOR</b>	<b>ALGODOO-BASED PHYSICS LEARNING: INTEGRATION INTO DIGITAL LEARNING ENVIRONMENT TOWARDS DEVELOPMENT OF 21ST CENTURY SKILLS</b>	<b>Benny Lau Xue Zheng</b> <a href="mailto:bennylau91@hotmail.com">bennylau91@hotmail.com</a> 0127374216
14	3:30 pm - 3:45 pm	<b>OPG15</b>	<b>SMK TELOK DATOK, SELANGOR</b>	<b>IMPLEMENTATION OF "VOICE OUT PROJECT" WITH "VDRVRR" TECHNIQUE IMPROVES BIOLOGY ESSAY WRITING PERFORMANCE AMONG FORM SIX STUDENTS</b>	<b>Fairuz Aliaa Binti Fadzil</b> <a href="mailto:aliaafadzil@gmail.com">aliaafadzil@gmail.com</a> 0173103220

**ORAL PRESENTATION SCHEDULE**  
**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**



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**SEPTEMBER 13, 2021 | MONDAY**  
**ROOM 2**

*Click [Room](#) to join the conference room and [Plenary](#) to join the talk.*

<a href="#">Room 2</a>		Theme	Pedagogy		
Meeting No. : <b>170 834 8654</b>		Host	<b>Mr. Mohd Rodila Bin Ibrahim</b>		
Password : <b>ICSTEM2021</b>		Chairperson	<b>Dr. Nurhakimah Binti Abdul Rahman</b>		
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	10:00 am - 10:15 am	<b>OPG29</b>	<b>SMPK VOKASIONAL INDAHPURA, JOHOR</b>	<b>IMPLEMENTATION OF PEER COACHING IN ENHANCING SPECIAL NEEDS STUDENTS' PERFORMANCE IN HAIR STYLING THROUGH YOUTUBE</b>	<b>Hemarani A/P Munisamy</b> <a href="mailto:hemarani@edidik.edu.my">hemarani@edidik.edu.my</a> 0127360621
2	10:15 am - 10:30 am	<b>OPG30</b>	<b>BAHAGIAN BIASISWA &amp; PEMBIAYAAN, KEMENTERIAN PENDIDIKAN MALAYSIA, CAWANGAN CYBERJAYA</b>	<b>IMPLEMENTING FLIPPED CLASSROOM IN LEARNING OF PROGRAMMING AT MATRICULATION COLLEGES FROM LECTURER'S PERSPECTIVE</b>	<b>Rosnizam Bin Eusoff</b> <a href="mailto:zameusoff@gmail.com">zameusoff@gmail.com</a> 0139231102
3	10:30 am - 10:45 am	<b>OPG31</b>	<b>BAHAGIAN BIASISWA &amp; PEMBIAYAAN, KEMENTERIAN PENDIDIKAN MALAYSIA, CAWANGAN CYBERJAYA</b>	<b>A CONCEPTUAL FRAMEWORK FOR DESIGN AND DEVELOPMENT OF DESIGN THINKING STEM PEDAGOGICAL MODEL</b>	<b>Norzilawati Binti Zainal Abidin</b> <a href="mailto:zilzainal2021@gmail.com">zilzainal2021@gmail.com</a> 0193667262
4	10:45 am - 11:00 am	<b>OPG33</b>	<b>UNIVERSITY OF MALAYA</b>	<b>MEASUREMENT MODEL AND ADAPTION OF SELF-EFFICACY AND METACOGNITIVE AWARENESS TOWARD MATHEMATIC REASONING AMONG UNIVERSITY STUDENTS</b>	<b>Chan Choon Tak</b> <a href="mailto:chanchoontak@gmail.com">chanchoontak@gmail.com</a> 0125219571
5	11:00 am - 11:15 am	<b>OPG34</b>	<b>UNIVERSITI PUTRA MALAYSIA</b>	<b>IMPLEMENTATION OF UNIVERSAL DESIGN FOR LEARNING IN SECONDARY STEM EDUCATION: A SYSTEMATIC LITERATURE REVIEW</b>	<b>Lavanya Silvarajan</b> <a href="mailto:lavanya_silvarajan@yahoo.com">lavanya_silvarajan@yahoo.com</a> 0169138058



6	11:15 am - 11:30 am	<b>OPG35</b>	<b>UNIVERSITI PUTRA MALAYSIA</b>	<b>DEVELOPMENT AND DESIGN OF MOBILE APPLICATION FOR MOBILE INQUIRY-BASED LEARNING</b>	<b>Mohd Khairul Azmi Bin Ahmad</b> <a href="mailto:gs47718@student.upm.edu.my">gs47718@student.upm.edu.my</a> 0124657950
7	11:30 am - 11:45 am	<b>OPG36</b>	<b>UNIVERSITI SAINS MALAYSIA</b>	<b>MODUL i-CEP: MENGGABUNGAN PENDEKATAN INOVASI DAN CHEMICAL ENTREPRENEURSHIP BAGI MENINGKATKAN MOTIVASI BELAJAR PELAJAR TERHADAP KIMIA</b>	<b>Siti Nor Fazila Binti Ramly</b> <a href="mailto:ilaizs8485@gmail.com">ilaizs8485@gmail.com</a> 01116648485
8	11:45 am - 12:00 pm	<b>OPG37</b>	<b>KOLEJ TINGKATAN ENAM TUN FATIMAH, MELAKA</b>	<b>THE IMPACT OF ROBOTICS COMPETITION FOR INTEGRATED STEM EDUCATION</b>	<b>Pang Yee Jiea</b> <a href="mailto:yeejiea@gmail.com">yeejiea@gmail.com</a> 0176730929
9	12.00 pm – 12.15 pm	<b>OPG38</b>	<b>UNIT LATIHAN BAHAGIAN BIASISWA &amp; PEMBIAYAAN, KEMENTERIAN PENDIDIKAN MALAYSIA, CAWANGAN CYBERJAYA</b>	<b>DETERMINING THE VALUES AND ATTRIBUTES IN E-LEARNING FROM VOCATIONAL STUDENTS' PERSPECTIVES</b>	<b>Eliza Annis A/P Thangaiah</b> <a href="mailto:P97181@SISWA.UKM.EDU.MY">P97181@SISWA.UKM.EDU.MY</a> 0122761232
10	12:15 pm - 12:30 pm	<b>OPG39</b>	<b>UNIVERSITY COLLEGE OF TECHNOLOGY SARAWAK</b>	<b>EM-CQI: A ROBUST AND STRATEGIC CQI (CONTINUOUS QUALITY IMPROVEMENT) MODEL FOR ENGINEERING PROGRAMME ASSESSMENT</b>	<b>Ching Yee Yong</b> <a href="mailto:ching.yee@ucts.edu.my">ching.yee@ucts.edu.my</a> 0149137896
	1.00 pm – 2.00 pm	BREAK			
	2.00 pm – 3.00 pm	<a href="#">PLENARY 1</a>			
12	3:00 pm - 3:15 pm	<b>OPG40</b>	<b>KOLEJ MATRIKULASI JOHOR</b>	<b>ZE WHEEL</b>	<b>Rohayu Binti Yusof</b> <a href="mailto:rohayuyusof5462@gmail.com">rohayuyusof5462@gmail.com</a> 0196577189
13	3:15 pm - 3:30 pm	<b>OPG41</b>	<b>KOLEJ MATRIKULASI PERAK</b>	<b>HOW TO UNLOCKING THE ONLINE STREAM RESILIENCY INNOVATION ON PHYSICS LAB EXPERIMENT??</b>	<b>Naeim Nazherah Binti Ahmad</b> <a href="mailto:bm-1524@moe-dl.edu.my">bm-1524@moe-dl.edu.my</a> 0192985436

14	3:30 pm - 3:45 pm	<b>OPG42</b>	<b>SMK LEMBAH SUBANG, SELANGOR</b>	<b>ENHANCING TEACHING AND LEARNING METHODS THROUGH STEM EDUCATION</b>	<b>Siti Alifah binti Syed Jalal</b> <a href="mailto:sitialifahsj@gmail.com">sitialifahsj@gmail.com</a> 0193723767
15	3:45 pm - 4:00 pm	<b>OPG43</b>	<b>KOLEJ MATRIKULASI SELANGOR</b>	<b>PROBLEM-BASED LEARNING IN ORGANIC CHEMISTRY LABORATORY CLASS</b>	<b>Tang Ee Yun</b> <a href="mailto:tangeeyun@gmail.com">tangeeyun@gmail.com</a> 0178508509



## ORAL PRESENTATION SCHEDULE

### INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)



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**SEPTEMBER 13, 2021 | MONDAY  
ROOM 3**

*Click [Room](#) to join the conference room and [Plenary](#) to join the talk.*

<a href="#">Room 3</a>		Theme	Best Practice		
Meeting No. : <b>170 224 9628</b>		Host	<b>Mrs. Mahidawati Binti Mamat</b>		
Password : <b>ICSTEM2021</b>		Chairperson	<b>Mr. Mohd Muzammir Firdaus Bin Abu Bakar</b>		
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	10:00 am - 10:15 am	<b>OBP01</b>	<b>SMK BESERAH</b>	<b>THINK PAIR AND SHARE TECHNIQUE IN CULTIVATE STUDENT PROBLEM SOLVING SKILLS IN MATHEMATICS</b>	<b>Suraini Binti Bingan</b> <a href="mailto:g-98152609@moe-dl.edu.my">g-98152609@moe-dl.edu.my</a> 0126136576
2	10:15 am - 10:30 am	<b>OBP02</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>ADVENTURING INTERLAND</b>	<b>Nina Marlini Binti Ahmad</b> <a href="mailto:emim@umt.edu.my">emim@umt.edu.my</a> 0199827282
3	10:30 am - 10:45 am	<b>OBP03</b>	<b>SK LEMBAH JAYA, SELANGOR</b>	<b>CABARAN PENERIMAAN KUMPULAN MURID B40 DI BANDAR TERHADAP ELEMEN STEM SEWAKTU PDPR</b>	<b>Mohd Akmal Arif Bin Md Yusop</b> <a href="mailto:akmal_arif19@yahoo.com">akmal_arif19@yahoo.com</a> 019-7595227
4	10:45 am - 11:00 am	<b>OBP04</b>	<b>SM AGAMA REPAH, NEGERI SEMBILAN</b>	<b>THE DEVELOPMENT OF INVESTIGABLE QUESTION FORMULATION TECHNIQUE (IQFT) IN INQUIRY-BASED SCIENCE EDUCATION</b>	<b>Norsyazwani Binti Muhamad Dah</b> <a href="mailto:g-52129188@moe-dl.edu.my">g-52129188@moe-dl.edu.my</a> 0194550933
5	11:00 am - 11:15 am	<b>OBP05</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>THE EFFECTS ON ACADEMIC, FINANCIAL AND SOCIAL STATUS OF SARAWAKIAN AND SABAHAN STUDENTS IN UNIVERSITI MALAYSIA TERENGGANU AMIDTS COVID-19</b>	<b>Mohd Ulul Ilmie Bin Ahmad Nazri</b> <a href="mailto:ululneuro@gmail.com">ululneuro@gmail.com</a> 0194187491
6	11:15 am - 11:30 am	<b>OBP06</b>	<b>SM SAINS HULU TERENGGANU</b>	<b>EVALUATION OF STEM PROGRAM IMPLEMENTATION IN FULLY RESIDENTIAL SCHOOLS</b>	<b>Mohd Zaid Bin Ismail</b> <a href="mailto:zaid5157@gmail.com">zaid5157@gmail.com</a> 0199230541

7	11:30 am - 11:45 am	<b>OBP07</b>	<b>SK MENGABANG TELIPOT, TERENGGANU</b>	<b>KNOWLEDGE, ATTITUDE AND READINESS OF KUALA NERUS PRIMARY SCHOOL TEACHERS IN THE IMPLEMENTATION OF STEM IN TEACHING AND LEARNING PROCESS</b>	<b>Shamilati Binti Che Seman@Sulaiman</b> <a href="mailto:shamilati.amran7175@gmail.com">shamilati.amran7175@gmail.com</a> 0199506115
8	11:45 am - 12:00 pm	<b>OBP08</b>	<b>SK SEBERANG TAKIR, TERENGGANU</b>	<b>MASTERY OF ENGLISH VOCABULARY THROUGH EMPHASIS ON SPELLING WORDS AMONG LEVEL 1 PUPILS :ACTION RESEARCH AT SK SEBERANG TAKIR KUALA NERUS AND THE RELATIONSHIP OF STEM IN LANGUAGE MASTERY AND COMMUNICATION SKILLS.</b>	<b>Arneeza Binti Mohamad Ghaffar</b> <a href="mailto:arneeza74@gmail.com">arneeza74@gmail.com</a> 019-956 6010
9	12:00 pm - 12:15 pm	<b>OBP09</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>THE EFFECT OF COVID-19 AND THE LOCKDOWN ON THE MENTAL WELLBEING OF PUSAT ASASI STEM'S STUDENTS</b>	<b>Farah Najihah Binti Razali</b> <a href="mailto:farahnajihahrazali@gmail.com">farahnajihahrazali@gmail.com</a> 0148221994
10	12:15 pm - 12:30 pm	<b>OBP10</b>	<b>SK SEBERANG TAKIR, TERENGGANU</b>	<b>USING KEYWORD TABLE TO SOLVE PRIMARY SCHOOL STUDENTS' DIFFICULTY IN ATTEMPTING ENGLISH OBJECTIVE QUESTIONS : A CASE STUDY OF A DUAL LANGUAGE PROGRAM (DLP) CLASS.</b>	<b>Mohd Junaidi Bin Mohd Mukhtar</b> <a href="mailto:cqjunaidi.skpb@gmail.com">cqjunaidi.skpb@gmail.com</a> 0122710045
11	12:30 pm - 12:45 pm	<b>OBP11</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>PNC GAME TO INCULCATE STUDENTS' INTEREST LEARNING PERMUTATION AND COMBINATION</b>	<b>Mimi Syazwani Binti Suhaimi</b> <a href="mailto:mimi.suhaimi@umt.edu.my">mimi.suhaimi@umt.edu.my</a> 0136445539
	1.00 pm – 2.00 pm	BREAK			
	2.00 pm – 3.00 pm	<a href="#">PLENARY 1</a>			
12	3:00 pm - 3:15 pm	<b>OBP12</b>	<b>SM SAINS SULTAN HAJI AHMAD SHAH, PAHANG</b>	<b>MASTERING REASONING SKILLS IN LEARNING DIFFERENTIATION (ADDITIONAL MATHEMATICS FORM 5) USING THE MARZANO'S STRATEGY</b>	<b>Mohamad Nizam Bin Arshad</b> <a href="mailto:pidahnzam@yahoo.com">pidahnzam@yahoo.com</a> 0132198387
13	3:15 pm - 3:30 pm	<b>OBP13</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>PLAZZLES: A SIMPLE HANDS ON APPROACH TO UNDERSTANDING PLANT STRUCTURE</b>	<b>Razifah Binti Mohd Razali</b> <a href="mailto:razifah@umt.edu.my">razifah@umt.edu.my</a> 0199569981



14	3:30 pm - 3:45 pm	<b>OBP14</b>	<b>SMK DATO' ABDUL RAHMAN YAAKUB, PERAK</b>	<b>USE OF ASKIT IN TEACHING, LEARNING AND FACILITATION PROCESS (PDPC): ASKIT 2021</b>	<b>Siti Marsyitah Binti Zakaia</b> <a href="mailto:marsyitah@edidik.edu.my">marsyitah@edidik.edu.my</a> 0175016697
15	3:45 pm - 4:00 pm	<b>OBP15</b>	<b>SMK DATO' RAZALI ISMAIL, TERENGGANU</b>	<b>EFFECTIVENESS OF LEARNING USING POM- PRO TECHNIQUE AS AN APPROACH IN EMPOWERING STEM THROUGH K-BAT</b>	<b>Che Norhamira Binti Che Mohd</b> <a href="mailto:chenorhamirachemohd@gmail.com">chenorhamirachemohd@gmail.com</a> 0134494479
16	4:00 pm - 4:15 pm	<b>OBP16</b>	<b>SMK GHAFAR BABA, MELAKA</b>	<b>IMPLEMENTING HIGH ORDER THINKING SKILLS (HOTS) IN BIOLOGY: THE ROLE OF THE PROFESSIONAL LEARNING COMMUNITY (PLC)</b>	<b>Suhanna Binti Zainudin</b> <a href="mailto:anisafwa@gmail.com">anisafwa@gmail.com</a> 0192044045

## ORAL PRESENTATION SCHEDULE

### INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)



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**SEPTEMBER 13, 2021 | MONDAY  
ROOM 4**

*Click [Room](#) to join the conference room and [Plenary](#) to join the talk.*

No.	Time	Oral Presenter ID	Organisation	Title	Presenter	
<b>Room 4</b> Meeting No. : <b>170 959 6534</b> Password : <b>ICSTEM2021</b>		<b>Theme</b>	<b>Digital Technology</b>			
		<b>Host</b>	<b>Ms. Fatin Nabilah Binti Mt Rashid</b>			
		<b>Chairperson</b>	<b>Mr. Wan Mohd Tarmizi Binti Wan Mohd Yusof</b>			
1	10:00 am - 10:15 am	ODT01	KOLEJ MATRIKULASI JOHOR	I-SLIDES: SPECIMEN SLIDES FOR LABORATORY EXPERIMENTS	<b>Mulyani Binti Muhamad Effendi</b> <a href="mailto:bm-1253@moe-dl.edu.my">bm-1253@moe-dl.edu.my</a> 0172477435	
2	10:15 am - 10:30 am	ODT02	KOLEJ MATRIKULASI JOHOR	ASSIMILATION OF i-TAB INTEGRATION BY SUBSTITUTION TECHNIQUE IN A DIGITAL PLATFORM	<b>Dania Binti Norazmi</b> <a href="mailto:danianorazmi15@gmail.com">danianorazmi15@gmail.com</a> 0175546141	
3	10:30 am - 10:45 am	ODT03	KOLEJ MATRIKULASI KEDAH	PROMOTING ACTIVE LEARNING THROUGH HANDS-ON ACTIVITIES AMONG MATRICULATION STUDENTS	<b>Azlina Binti Mazlan</b> <a href="mailto:azlinamazlan74@gmail.com">azlinamazlan74@gmail.com</a> 0125847007	
4	10:45 am - 11:00 am	ODT04	KOLEJ MATRIKULASI KEDAH	TEACHING GEOMETRIC PROGRESSION USING THE SPREAD OF COVID-19 PANDEMIC MATHEMATICAL MODEL	<b>Nurul Syazwani Binti Omar</b> <a href="mailto:nurulsyazwaniomar@gmail.com">nurulsyazwaniomar@gmail.com</a> 0134713760	
5	11:00 am - 11:15 am	ODT05	KOLEJ MATRIKULASI JOHOR	BI-DIRECTIONAL ROOM OCCUPANT SENSOR (BROS) AS AN AUTOMATED DEVICE TO MANAGE THE NUMBER OF OCCUPANTS IN A TARGETED CONFINED AREA	<b>Mohd Azwan Bin Roslan</b> <a href="mailto:mohd.azwan@kmkj.matrik.edu.my">mohd.azwan@kmkj.matrik.edu.my</a> 013-4222494	



6	11:15 am - 11:30 am	<b>ODT06</b>	<b>KOLEJ MATRIKULASI KEJURUTERAAN JOHOR, JOHOR</b>	<b>UTILISING TIKTOK TO ENHANCE STUDENTS MANIPULATIVE SKILLS IN CHEMISTRY PRACTICAL WORK</b>	<b>Mohd Zahir Hafizi Bin Safian</b> <a href="mailto:bm-2528@moe-dl.edu.my">bm-2528@moe-dl.edu.my</a> 0137201935
7	11:30 am - 11:45 am	<b>ODT07</b>	<b>KOLEJ MATRIKULASI KEJURUTERAAN KEDAH</b>	<b>COLP VIA GOOGLE DRIVE IN ESL CLASSROOMS</b>	<b>Khalipah Mastura Binti Khalid</b> <a href="mailto:Khalipahmastura66@gmail.com">Khalipahmastura66@gmail.com</a> 0135309686
8	11:45 am - 12:00 pm	<b>ODT08</b>	<b>KOLEJ MATRIKULASI KEJURUTERAAN PAHANG</b>	<b>IMPROVING ENGINEERING DRAWING SKILLS USING 3D COLOUREAL METHOD FOR STUDENTS WITHOUT ENGINEERING DRAWING BASICS</b>	<b>Ishak Bin Osman</b> <a href="mailto:ishak.osman@kmkph.matrik.edu.my">ishak.osman@kmkph.matrik.edu.my</a> 0136469864
9	12:00 pm - 12:15 pm	<b>ODT09</b>	<b>KOLEJ MATRIKULASI KEJURUTERAAN PAHANG</b>	<b>RESOLVING THREE-DIMENSIONAL FORCES: MASTERING THE CONCEPT BY USING "EDPUZZLE" PLATFORM AMONG MATRICULATION STUDENTS</b>	<b>Nor Syamina Binti Assan Kuthus</b> <a href="mailto:norsyamina@gmail.com">norsyamina@gmail.com</a> 01164185969
10	12:15 pm - 12:30 pm	<b>ODT10</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>CHATBOT IN EDUCATION: A PASSING TREND OR A VALUABLE LEARNING TOOL?</b>	<b>Johana Binti Muhammad</b> <a href="mailto:bm-3125@moe-dl.edu.my">bm-3125@moe-dl.edu.my</a> 012-2351659
11	12:30 pm - 12:45 pm	<b>ODT11</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>AN OVERVIEW: BLENDED LEARNING AND ITS IMPACT ON STUDENT ACHIEVEMENT IN MATRICULATION COLLEGES</b>	<b>Nazri Bin Bakar</b> <a href="mailto:bm-3035@moe-dl.edu.my">bm-3035@moe-dl.edu.my</a> 0197729910
	1.00 pm – 2.00 pm	BREAK			
	2.00 pm – 3.00 pm	<a href="#">PLENARY 1</a>			

12	3:00 pm - 3:15 pm	<b>ODT12</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>MGeoAR: INCREASE STUDENTS' LEVEL OF UNDERSTANDING AND MOTIVATION IN THE TOPIC OF MOLECULAR GEOMETRY</b>	<b>Noor Asmahan Binti Abdullah</b> <a href="mailto:bm-3033@moe-dl.edu.my">bm-3033@moe-dl.edu.my</a> 0173464982
13	3:15 pm - 3:30 pm	<b>ODT13</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>STUDENTS' PERCEPTION OF THE USE OF YOUTUBE CHANNEL AS A SUPPORT MEDIA FOR THE LEARNING OF COMPUTER SCIENCE COURSES SINCE COVID 19 PANDEMIC</b>	<b>Mohd Yusri Bin Abidin</b> <a href="mailto:bm-2967@moe-dl.edu.my">bm-2967@moe-dl.edu.my</a> 0194774223
14	3:30 pm - 3:45 pm	<b>ODT14</b>	<b>IPG KAMPUS PENDIDIKAN TEKNIK, NEGERI SEMBILAN</b>	<b>PREPARATION FOR STEM AMONG PRE-SERVICE PRIMARY SCHOOL TEACHERS IN MALAYSIA</b>	<b>Tan Tong Hock</b> <a href="mailto:th.tan@pendidikguru.edu.my">th.tan@pendidikguru.edu.my</a> 0127068068
15	3:45 pm - 4:00 pm	<b>ODT15</b>	<b>KOLEJ MATRIKULASI MELAKA</b>	<b>"BIG PICTURE – SMALL PICTURE" TECHNIQUE TO SOLVE DIFFERENTIATION QUESTIONS</b>	<b>Sanjay A/L Pradeep Kumar</b> <a href="mailto:bm-0745@moe-dl.edu.my">bm-0745@moe-dl.edu.my</a> 0129272247
16	4:00 pm - 4:15 pm	<b>ODT16</b>	<b>KOLEJ MATRIKULASI NEGERI SEMBILAN</b>	<b>EFFECTIVENESS OF USING THE 'POTENTIOMETER LEARNING KIT' IN THE POTENTIOMETER TEACHING PROCESS</b>	<b>Nurul Shaiedah Binti Roslan</b> <a href="mailto:bm-0178@moe-dl.edu.my">bm-0178@moe-dl.edu.my</a> 0104041987



## ORAL PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**



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**SEPTEMBER 13, 2021 | MONDAY  
ROOM 5**

*Click [Room](#) to join the conference room and [Plenary](#) to join the talk.*

<a href="#">Room 5</a>		Theme	Others		
Meeting No. : <b>170 325 0016</b>		Host	<b>Mrs. Normaizianti Binti Mohd Pilus</b>		
Password : <b>ICSTEM2021</b>		Chairperson	<b>Dr Razifah Binti Razali</b>		
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	10:00 am - 10:15 am	<b>OOT01</b>	<b>UNIVERSITI KEBANGSAAN MALAYSIA</b>	<b>A SYSTEMATIC REVIEW ON BLENDED LEARNING APPROACH IN EDUCATION</b>	<b>Noor Fazida Binti Ismail</b> <a href="mailto:P109074@siswa.ukm.edu.my">P109074@siswa.ukm.edu.my</a> 017-3790521
2	10:15 am - 10:30 am	<b>OOT02</b>	<b>KPM (HLP)</b>	<b>DEVELOPMENT OF A GREEN TECHNOLOGY PROJECT-BASED LEARNING MODULE TO ENHANCE STUDENTS' HOTS RNING</b>	<b>Nurul Syahinaz Binti Ab Razak</b> <a href="mailto:nurulsyahinaz86@gmail.com">nurulsyahinaz86@gmail.com</a> 0134890986
3	10:30 am - 10:45 am	<b>OOT03</b>	<b>PEJABAT PENDIDIKAN DAERAH BANGSAR/PUDU, KUALA LUMPUR</b>	<b>MINECRAFT APPLICATION AS AN ATTRACTIVE TOOL IN STEM LEARNING ENVIRONMENT</b>	<b>Subramaniam A/L Krishnasamy</b> <a href="mailto:subra0587@gmail.com">subra0587@gmail.com</a> 0166314710
4	10:45 am - 11:00 am	<b>OOT04</b>	<b>PUSAT ASASI SAINS DAN PERUBATAN UNISZA</b>	<b>SNAPHYSICS</b>	<b>Siti Maisarah Binti Aziz</b> <a href="mailto:smaisarahaziz@unisza.edu.my">smaisarahaziz@unisza.edu.my</a> 0137590798
5	11:00 am - 11:15 am	<b>OOT05</b>	<b>SEKOLAH MENENGAH SAINS DUNGUN</b>	<b>PROGRAM FOLLOW UP, FOLLOW THROUGH (RAPAT) KAEDAH UNTUK MENINGKATKAN KEHADIRAN PDPR MURID TINGKATAN 2 DALAM SUBJEK SAINS DAN MATEMATIK</b>	<b>Nik Hafifah Binti Ismail</b> <a href="mailto:efapunyer@gmail.com">efapunyer@gmail.com</a> 019-5926525

6	11:15 am - 11:30 am	<b>OOT06</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>A SUCCESS STORY OF NON-SCIENCE STUDENT AT UMT STEM FOUNDATION</b>	<b>Laili Binti Che Rose</b> <a href="mailto:laili@umt.edu.my">laili@umt.edu.my</a> 0193956167
7	11:30 am - 11:45 am	<b>OOT07</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>ONLINE TEACHING DURING COVID-19: BOOSTING STUDENTS INTEREST FOR LEARNING CHEMISTRY THROUGH DRAWING/SKETCHING</b>	<b>Siti Zairyn Binti Fakurol Rodzi</b> <a href="mailto:siti.zairyn@umt.edu.my">siti.zairyn@umt.edu.my</a> 0162968059
8	11:45 am - 12:00 pm	<b>OOT08</b>	<b>SK SEBERANG JAYA</b>	<b>MALE OR FEMALE? UNPACKING GENDER DIFFERENCE IN THE EFFICACY OF GEOGEBRA: LESSON TO BE LEARNED.</b>	<b>Ziham Zawawi Bin Mazlan</b> <a href="mailto:zihamzawawi89@gmail.com">zihamzawawi89@gmail.com</a> 0173649310
9	12:00 pm - 12:15 pm	<b>OOT09</b>	<b>SK SEREMBAN 2A</b>	<b>PEDAGOGICAL FOR STUDENTS WITH DEAFBLINDNESS: A SYSTEMATIC LITERATURE REVIEW</b>	<b>Muhamad Muttaqiin Bin Mohamad Mohsin</b> <a href="mailto:taqinswift88@gmail.com">taqinswift88@gmail.com</a> 0164168087
10	12:15 pm - 12:30 pm	<b>OOT10</b>	<b>SMK SERI BERA, PAHANG</b>	<b>GREEN TECHNOLOGY HELPS STUDENTS BE MORE INNOVATIVE VIA PROJECT BASED LEARNING</b>	<b>Azli Bin Mohamad</b> <a href="mailto:azlisedar@gmail.com">azlisedar@gmail.com</a> 01112161398
11	12:30 pm - 12:45 pm	<b>OOT11</b>	<b>SMK BINJAI, TERENGGANU</b>	<b>GENERATE STUDENTS IDEA THROUGH STIMULUS TO ANSWER SCIENCE QUESTION USING 5E ELEMENT</b>	<b>Nur Zafir Raudah Bt Mohd Nor</b> <a href="mailto:nurzafirraudah@gmail.com">nurzafirraudah@gmail.com</a> 0199961774
	1.00 pm – 2.00 pm	BREAK			
	2.00 pm – 3.00 pm	<a href="#">PLENARY 1</a>			
12	3:00 pm - 3:15 pm	<b>OOT12</b>	<b>SMK SERI BINTANG SELATAN, KUALA LUMPUR</b>	<b>THE SECONDARY SCHOOL STUDENTS’ PERCEPTIONS OF opg43ONLINE LEARNING DURING THE COVID-19 PANDEMIC : A CASE STUDY IN MALAYSIA</b>	<b>Chun Cheng Chuan</b> <a href="mailto:chun@smksbs.edu.my">chun@smksbs.edu.my</a> 0192136191
13	3:15 pm - 3:30 pm	<b>OOT13</b>	<b>SMK KOMPLEKS SEBERANG TAKIR, TERENGGANU</b>	<b>META ANALYSIS STUDY: THE INFLUENCE OF STEM EDUCATION TOWARDS THE STUDENT ATTITUDES</b>	<b>Mohd Saifulkhair Bin Omar</b> <a href="mailto:epui7779@gmail.com">epui7779@gmail.com</a> 0139955779



14	3:30 pm - 3:45 pm	<b>OOT15</b>	<b>SEKOLAH MENENGAH SAINS PENDANG</b>	<b>PREDICTION MODELLING THROUGH CHAOTIC APPROACH ON OZONE (O<sub>3</sub>) POLLUTANT TIME SERIES IN SHAH ALAM CITY</b>	<b>Ahmad Basri Bin Ruslan</b> <a href="mailto:ahmadbasriruslan@gmail.com">ahmadbasriruslan@gmail.com</a> 0193325687
15	3:45 pm - 4:00 pm	<b>OOT16</b>	<b>SEKOLAH SERI PUTERI</b>	<b>THE USE OF 5E APPROACH IN SCIENCE ONLINE TEACHING AND LEARNING DURING COVID-19 PANDEMIC</b>	<b>Norlizawaty Binti Baharin</b> <a href="mailto:norlizawatybaharin@gmail.com">norlizawatybaharin@gmail.com</a> 0193308284
16	4:00 pm - 4:15 pm				

## ORAL PRESENTATION SCHEDULE

### INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)



We are using Cisco Webex

**SEPTEMBER 13, 2021 | MONDAY  
ROOM 6**

*Click [Room](#) to join the conference room and [Plenary](#) to join the talk.*

<b>Room 6</b>		<b>Theme</b>	<b>Others &amp; Curriculum</b>		
Meeting No. : <b>170 919 5827</b>		<b>Host</b>	<b>Mrs. Kasmawati Binti Abd Rahman</b>		
Password : <b>ICSTEM2021</b>		<b>Chairperson</b>	<b>Mrs. Akidah Binti Adnan</b>		
<b>No.</b>	<b>Time</b>	<b>Oral Presenter ID</b>	<b>Organisation</b>	<b>Title</b>	<b>Presenter</b>
1	10:00 am - 10:15 am	<b>OOT29</b>	<b>SJK (T) LADANG SOON LEE, PERAK</b>	<b>MD LEGO: MENINGKATKAN KEFAHAMAN DAN KEMAHIRAN MURID DALAM TOPIK DARAB DAN BAHAGI</b>	<b>Karthikesan A/L Manikabasagan</b> <a href="mailto:karthikesan.mak@gmail.com">karthikesan.mak@gmail.com</a> 0169432411
2	10:15 am - 10:30 am	<b>OOT30</b>	<b>SJKT KERUH, PERAK</b>	<b>EFFECTIVENESS OF STEM PRACTICES IN IMPROVING STUDENTS INTEREST IN MATHEMATICS EDUCATION</b>	<b>Cheetalakchumy A/P Balu</b> <a href="mailto:cheetalakchumy@gmail.com">cheetalakchumy@gmail.com</a> 01126265396
3	10:30 am - 10:45 am	<b>OOT31</b>	<b>SJKT LADANG CHEMOR, PERAK</b>	<b>KIT PERMAINAN MAGNET</b>	<b>Ashok Pillai A/L Kuppusamy</b> <a href="mailto:ashokmugilan3@gmail.com">ashokmugilan3@gmail.com</a> 0175426013
4	10:45 am - 11:00 am	<b>OOT32</b>	<b>SK PENGHULU IMBAN, SARAWAK</b>	<b>DEVELOPMENT OF NURFIRDAUSN.COM WEBSITE TO INTEGRATE ONLINE SCIENCE EDUCATIONAL MATERIAL.</b>	<b>Muhammad Nurfirdaus Bin Narawi</b> <a href="mailto:nurfirdausn@gmail.com">nurfirdausn@gmail.com</a> 0145848387
5	11:00 am - 11:15 am	<b>OOT33</b>	<b>SK SUNGAI TIANG, PERAK</b>	<b>KIT PEMBELAJARAN INTEGRASI STEM MELALUI PEMBELAJARAN BERASASKAN CABARAN TERUBAHSUAI (KIT CABARAN FATEH): PENGUKURAN KEBOLEHPERCAYAAN</b>	<b>Ahmad Adnan Bin Mohd Shukri</b> <a href="mailto:adnan91shukri@gmail.com">adnan91shukri@gmail.com</a> 0194266029
6	11:15 am - 11:30 am	<b>OOT34</b>	<b>SK TAMING JAYA, SELANGOR</b>	<b>MAKER-CENTRED LEARNING APPROACH TO CRAFT STEM EDUCATION IN PRIMARY SCHOOLS : A SYSTEMATIC LITERATURE REVIEW</b>	<b>Vijaya A/P Balakrisnan</b> <a href="mailto:vijaya.balakrisnan@gmail.com">vijaya.balakrisnan@gmail.com</a> 0183794651



7	11:30 am - 11:45 am	<b>OOT35</b>	<b>SM SAINS SERI PUTERI, KUALA LUMPUR</b>	<b>ONLINE LEARNING AMONG BOARDING SCHOOL STUDENTS DURING COVID-19 PANDEMIC</b>	<b>Anis Diyana Binti Halim</b> <a href="mailto:anisdiyana@seseri.edu.my">anisdiyana@seseri.edu.my</a> 0122869649
8	11:45 am - 12:00 pm	<b>OOT36</b>	<b>SM SAINS SETIU, TERENGGANU</b>	<b>PENGARUH PELAKSANAAN KOMUNITI PEMBELAJARAN PROFESIONAL (KPP) DAN KESEDIAAN GURU BIDANG TEKNIK DAN VOKASIONAL (TVET) DI NEGERI TERENGGANU, MALAYSIA</b>	<b>Noor Arifah Binti Moider</b> <a href="mailto:noorarifahmoider@gmail.com">noorarifahmoider@gmail.com</a> 01156558985
9	12:00 pm - 12:15 pm	<b>OOT37</b>	<b>SMA KHAIRIAH, TERENGGANU</b>	<b>INTEGRATING STEN THROUGH IN ENGINEERING DESIGN PROCESS:STUDENTS LEARNING EXPERIENCE</b>	<b>Wan Noraine Binti Wan Mohd Nor</b> <a href="mailto:g-26386827@moe-dl.edu.my">g-26386827@moe-dl.edu.my</a> 0199823577
10	12:15 pm - 12:30 pm	<b>OOT38</b>	<b>SMK DATUK HJ ABDUL WAHAB, PERAK</b>	<b>EXPIRILAB:AN INTERACTIVE APPS TO CONDUCT EXPERIMENT DURING PANDEMIC</b>	<b>Nurul Zuraini Binti Zolkifflee</b> <a href="mailto:nurulzuraini8787@gmail.com">nurulzuraini8787@gmail.com</a> 0134411280
11	12:30 pm - 12:45 pm	<b>OOT39</b>	<b>SMKA TUN AHMAD ZAIDI, SARAWAK</b>	<b>GAMIFICATION AND GAME BASED LEARNING IN SCIENCE EDUCATION IN SECONDARY SCHOOL OF MALAYSIA: A SYSTEMATIC LITERATURE REVIEW</b>	<b>Zakia Binti Setu</b> <a href="mailto:ummuzaahirah@gmail.com">ummuzaahirah@gmail.com</a> 0134727780
	1.00 pm – 2.00 pm	BREAK			
	2.00 pm – 3.00 pm	<a href="#">PLENARY 1</a>			
12	3:00 pm - 3:15 pm	<b>OCC01</b>	<b>IPG KAMPUS DATO RAZALI ISMAIL</b>	<b>THE INFLUENCE OF ONLINE LEARNING ENVIRONMENT FACTORS TOWARD SCIENCE TRAINEE TEACHERS COMMITMENT DURING THE COVID-19 PANDEMIC</b>	<b>Nur Aina Syhaqirien Binti Ruslan</b> <a href="mailto:aina17-1123@epembelajaran.edu.my">aina17-1123@epembelajaran.edu.my</a> 0148020181
13	3:15 pm - 3:30 pm	<b>OCC02</b>	<b>INSTITUT PENDIDIKAN GURU MALAYSIA (IPGM)</b>	<b>CONCEPT FRAMEWORK FOR TEACHER INVOLVEMENT IN STEM TEACHING AND LEARNING AT PRESCHOOL</b>	<b>Siti Iwana Sharizah Binti Abu Samah</b> <a href="mailto:iwana@epembelajaran.edu.my">iwana@epembelajaran.edu.my</a> 018-3585125

14	3:30 pm - 3:45 pm	OCC03	INSTITUT PENDIDIKAN GURU KAMPUS DATO' RAZALI ISMAIL	KNOWLEDGE,SKILLS AND INTERESTS OF TRAINEE TEACHERS MAJORING IN SCIENCE ON THE READINESS TO USE THE DLP	Nur Hanim Solehah Binti Muhamad Saidi <a href="mailto:hanim17-1126@epembelajaran.edu.my">hanim17-1126@epembelajaran.edu.my</a> 0139271203
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**ORAL PRESENTATION SCHEDULE**  
**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**



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**SEPTEMBER 13, 2021 | MONDAY**  
**ROOM 7**

*Click [Room](#) to join the conference room and [Plenary](#) to join the talk.*

<a href="#">Room 7</a>		Theme	Assessment			
Meeting No. : <b>170 569 7881</b>		Host	Mrs. Nur Harmiera Binti Bt Ab Rahman			
Password : <b>ICSTEM2021</b>		Chairperson	Dr. Noraifaa Binti Abdullah Sani			
No.	Time	Oral Presenter ID	Organisation	Title	Presenter	
1	10:00 am - 10:15 am	<b>OAS01</b>	INSTITUT PENDIDIKAN GURU KAMPUS DARULAMAN	RE-ENGINEERING STEM: REDUCING EDUCATIONAL GAP FOR STUDENTS, POST COVID-19.	Alia Binti Mustafa <a href="mailto:alia02-536@epembelajaran.edu.my">alia02-536@epembelajaran.edu.my</a> 0148262772	
2	10:15 am - 10:30 am	<b>OAS02</b>	INSTITUT PENDIDIKAN GURU MALAYSIA (IPGM)	INQUIRY BASED TEACHING OF FRACTIONS AMONG PRIMARY MATHEMATICS TEACHER: PRELIMINARY FINDINGS	Salmiah Binti Md Salleh <a href="mailto:amiezari@gmail.com">amiezari@gmail.com</a> 0163281690	
3	10:30 am - 10:45 am	<b>OAS03</b>	IPG KAMPUS TENGKU AMPUAN AFZAN, PAHANG	A TAM-BASED STUDY OF THE ATTITUDE TOWARDS USE INTENTION OF GEOGEBRA AMONG ELECTIVE MATHEMATICS STUDENTS	Siti Nurashiken Binti Md Sabudin <a href="mailto:ipgm-2731@moe-dl.edu.my">ipgm-2731@moe-dl.edu.my</a> 0164414940	
4	10:45 am - 11:00 am	<b>OAS04</b>	JABATAN PELAJARAN NEGERI PERAK	SIMIC	Musfirah Salma Binti Mohd Radzi <a href="mailto:musfirahsalma@gmail.com">musfirahsalma@gmail.com</a> 0194540675	
5	11:00 am - 11:15 am	<b>OAS05</b>	KOLEJ MATRIKULASI KEJURUTERAAN PAHANG	IMPROVING THE ACHIEVEMENT OF CAD DRAWING CONTINUOUS ASSESSMENT MARKS USING 4S METHOD AMONG J1P13 STUDENTS	Mohamad Talhah Al Hafiz Bin Mohd Khata <a href="mailto:talhah01@gmail.com">talhah01@gmail.com</a> 0137939497	

6	11:15 am - 11:30 am	<b>OAS06</b>	<b>KOLEJ MATRIKULASI KEJURUTERAAN PAHANG</b>	<b>INCREASING MATRICULATION STUDENTS' PERFORMANCES IN PRACTICAL TEST OF ELECTROLYTIC CELL USING PRE-RECORDED VIDEO AND PRE-LAB QUIZ</b>	<b>Nur Afiqah Binti Rosali</b> <a href="mailto:fikamishar@gmail.com">fikamishar@gmail.com</a> 0137183465
7	11:30 am - 11:45 am	<b>OAS07</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>THE EFFECT OF COOPERATIVE LEARNING ON STUDENTS' ACADEMIC ACHIEVEMENT IN THE SUBJECT OF MATHEMATICS</b>	<b>Siti Rohana Binti Said</b> <a href="mailto:p4048@pps.umt.edu.my">p4048@pps.umt.edu.my</a> 0164147100
8	11:45 am - 12:00 pm	<b>OAS08</b>	<b>KOLEJ MATRIKULASI MELAKA</b>	<b>PERCEPTIONS TOWARDS DEVELOPED COPS BOARD GAME ON LEARNING ORGANIC CHEMISTRY SYNTHETIC PATHWAYS AMONG MATRICULATION STUDENTS</b>	<b>Rajakumar a/l Ramachandran</b> <a href="mailto:rajakumar@kmm.matrik.edu.my">rajakumar@kmm.matrik.edu.my</a> 0176242090
9	12:00 pm - 12:15 pm	<b>OAS09</b>	<b>KOLEJ MATRIKULASI PULAU PINANG</b>	<b>ACTION STUDY ON THE EFFECTIVENESS OF VIDEO AS AN ADDITIONAL SUPPORT TOOL IN HELPING STUDENTS. LEARN IN MATRICULATION</b>	<b>Megat Faizul Khairi Bin Megat M Ghazali</b> <a href="mailto:megat5123@gmail.com">megat5123@gmail.com</a> 0175003969
10	12:15 pm - 12:30 pm	<b>OAS10</b>	<b>LEMBAGA PEPERIKSAAN</b>	<b>IMPLEMENTATION OF PRATICAL WORK ASSESSMENT (PEKA) FOR SCIENCE SUBJECT</b>	<b>Chee Kai Tung</b> <a href="mailto:kelton_chee@yahoo.com.sg">kelton_chee@yahoo.com.sg</a> 0125745503
11	12:30 pm - 12:45 pm	<b>OAS11</b>	<b>PEJABAT PENDIDIKAN DAERAH BATU PAHAT</b>	<b>THE EFFECTS OF INQUIRY-BASED LEARNING ON ACHIEVEMENTS OF STUDENTS IN STEM EDUCATION AT SECONDARY SCHOOL LEVEL</b>	<b>Lee Bee Bee</b> <a href="mailto:leebeeb04@yahoo.com">leebeeb04@yahoo.com</a> 0127368699
	1.00 pm – 2.00 pm	BREAK			
	2.00 pm – 3.00 pm	<a href="#">PLENARY 1</a>			
12	3:00 pm - 3:15 pm	<b>OAS12</b>	<b>SMK SANZAC, SABAH</b>	<b>CHEMBOND3D E-MODULE EFFECTIVENESS IN ENHANCING STUDENTS' KNOWLEDGE OF CHEMICAL BONDING CONCEPT AND VISUAL- SPATIAL SKILLS</b>	<b>Kuit Vui Ket</b> <a href="mailto:cikgukuit@gmail.com">cikgukuit@gmail.com</a> 017818 1984
13	3:15 pm - 3:30 pm	<b>OAS13</b>	<b>KEMENTERIAN PENDIDIKAN MALAYSIA, CAWANGAN CYBERJAYA</b>	<b>MEASURING MATHEMATICAL COMMUNICATION SKILLS OF JUNIOR SECONDARY SCHOOL STUDENTS</b>	<b>Normarina Abd Rahman</b> <a href="mailto:normarinaabdrahman@gmail.com">normarinaabdrahman@gmail.com</a> 0132055564

14	3:30 pm - 3:45 pm	<b>OAS14</b>	<b>KOLEJ MATRIKULASI SELANGOR</b>	<b>ENHANCING STUDENTS ACHIEVEMENTS IN SUBTOPIC IMMUNE RESPONSE USING IRES CARD GAME (IMMUNE RESPONSE CARD GAME)</b>	<b>Siti Nadira Binti Nordin</b> <a href="mailto:sitinadira403@gmail.com">sitinadira403@gmail.com</a> 0196669047
15	3:45 pm - 4:00 pm	<b>OAS15</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>WEB SIMULATION AND PHYSICS PRACTICAL HYBRID</b>	<b>Nur Syahida Binti Abd Rahim</b> <a href="mailto:syahida.rahim@umt.edu.my">syahida.rahim@umt.edu.my</a> 0132509120
16	4:00 pm - 4:15 pm	<b>OAS16</b>	<b>SMKA KUALA ABANG, TERENGGANU</b>	<b>TELEGRAM: THE EASIEST ONLINE LEARNING CHANNEL TO ASSESS STUDENT OUTCOMES USING THE "SNIP &amp; SKETCH" APPLICATION</b>	<b>Wan Nazri Bin Wan Ishak @ Wan Mohammad</b> <a href="mailto:nazwan1785@gmail.com">nazwan1785@gmail.com</a> 60132462540



## ORAL PRESENTATION SCHEDULE

### INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)

**SEPTEMBER 14, 2021 | TUESDAY  
ROOM 1**



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*Click [Room](#) to join the conference room.*

Room 1		Theme		Pedagogy	
Meeting No. : <b>170 164 5689</b>		Host		Mr. Suffian Bin Anuar	
Password : <b>ICSTEM2021</b>		Chairperson		Mrs. Nina Marlini Binti Ahmad	
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	9:00 am - 9:15 am	<b>OPG17</b>	<b>SMK ANDERSON, PERAK</b>	<b>CHEMIKIT</b>	<b>Noriza Binti Awang</b> <a href="mailto:saporanoriza@gmail.com">saporanoriza@gmail.com</a> 0175136582
2	9:15 am - 9:30 am	<b>OPG18</b>	<b>KOLEJ MATRIKULASI JOHOR</b>	<b>VSAL: A VIDEO SIMULATION APP IN LABORATORY EXPERIMENT</b>	<b>Wan Muhammad Amir Ashraf Bin W Ramli</b> <a href="mailto:bm-1319@moe-dl.edu.my">bm-1319@moe-dl.edu.my</a> 0193497403
3	9:30 am - 9:45 am	<b>OPG19</b>	<b>SMK PENDETA ZA'BA, NEGERI SEMBILAN</b>	<b>PLANTERS DETECTIVE – AN INTERACTIVE GAME IN STEM ACTIVITIES</b>	<b>Mohd Loqmanul Hakim Bin Kamaruldzaman</b> <a href="mailto:logmanulhakim55@gmail.com">logmanulhakim55@gmail.com</a> 0183716115
4	10:00 am - 10:15 am	<b>OPG20</b>	<b>KOLEJ MATRIKULASI LABUAN</b>	<b>EXPLORING MATRICULATION STUDENTS ORGANIC CHEMISTRY MECHANISM PROBLEM-SOLVING ABILITY THROUGH THE UTILISATION OF ELECTRON-PUSHING FORMALISM</b>	<b>Byron MC Michael Kadum</b> <a href="mailto:byrnkdm@gmail.com">byrnkdm@gmail.com</a> 0168069178
5	10:15 am - 10:30 am	<b>OPG21</b>	<b>PEJABAT PENDIDIKAN DAERAH KUALA KANGSAR, PERAK</b>	<b>THE DEVELOPMENT AND IMPLEMENTATION OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) ACTIVITIES TO IMPROVE STUDENTS THINKING SKILLS</b>	<b>Asmahwati Binti Rosli</b> <a href="mailto:asmahwatimohdfaizal@gmail.com">asmahwatimohdfaizal@gmail.com</a> 0129693506

6	10:30 am - 10:45 am	<b>OPG22</b>	<b>SEKOLAH MENENGAH KEBANGSAAN BANGGOL, TERENGGANU</b>	<b>OPEN COACHING METHODS CAN IMPROVE MASTERING SKILLS IN MATHEMATICS</b>	<b>Baizura Norida Binti Mohamad Noor</b> <a href="mailto:zurida06@gmail.com">zurida06@gmail.com</a> 013-2726672
7	10:45 am - 11:00 am	<b>OPG23</b>	<b>SM IMTIAZ YT KUALA TERENGGANU</b>	<b>ULANGKAJI BERKESAN SUKATAN BIOLOGI TINGKATAN 4 KSSM MELALUI PENDEKATAN "SKUAD ANTIDOT " DENGAN MENGGUNAKAN "FLASH CARD SP "</b>	<b>Mawati Binti Selawi @ Abd. Malik</b> <a href="mailto:mawati.imtiaz@yahoo.com">mawati.imtiaz@yahoo.com</a> 019-9365466
	11:00 am - 11:30 am	BREAK			
8	11:30 am - 11:45 am	<b>OPG24</b>	<b>SMK BENTONG, PAHANG</b>	<b>PBL STEM BERKESAN DENGAN PENGUNAAN PLATFORM INOVASI PLC PP</b>	<b>Habibah Binti Ja'afar</b> <a href="mailto:habibahjaafar24@edidik.edu.my">habibahjaafar24@edidik.edu.my</a> 01136391252
9	11:45 am - 12:00 pm	<b>OPG25</b>	<b>SMK SERI BINTANG SELATAN, KUALA LUMPUR</b>	<b>PROBLEM ORIENTED PROJECT BASED LEARNING (POPBL) THROUGH MODULAR TEACHING AND DESIGN THINKING PRACTICE</b>	<b>Rosmaliza Binti Che Ibrahim</b> <a href="mailto:rosmaliza@smksbs.edu.my">rosmaliza@smksbs.edu.my</a> 013-321 8997
10	12:00 pm - 12:15 pm	<b>OPG26</b>	<b>SMK SULTAN ISMAIL, KELANTAN</b>	<b>SCHOOL STEM HUB: AN ENGINE OF GROWTH</b>	<b>Hartini Hashim</b> <a href="mailto:hartinihashim912@gmail.com">hartinihashim912@gmail.com</a> 0199812445
11	12:15 pm - 12:30 pm	<b>OPG27</b>	<b>SK. MERU RAYA, PERAK</b>	<b>NTA (NEW TECH ABACUS)</b>	<b>Mirawati Binti Jahaya</b> <a href="mailto:g-30209179@moe-dl.edu.my">g-30209179@moe-dl.edu.my</a> 0182735799
12	12:30 pm - 12:45 pm	<b>OPG28</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>AR-ACT-COUNT-THINK (ACCOUNTING FUN BOARD)</b>	<b>Abd Rahim Bin Mohd Aris</b> <a href="mailto:aiemaries74@gmail.com">aiemaries74@gmail.com</a> 0137799912

## ORAL PRESENTATION SCHEDULE

### INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)



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**SEPTEMBER 14, 2021 | TUESDAY**

**ROOM 2**

*Click [Room](#) to join the conference room.*

<b>Room 2</b>		<b>Theme</b>		<b>Pedagogy</b>	
Meeting No. : <b>170 834 8654</b>		<b>Host</b>		<b>Mr. Mohd Rodila Bin Ibrahim</b>	
Password : <b>ICSTEM2021</b>		<b>Chairperson</b>		<b>Dr. Razifah Binti Mohd Razali</b>	
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	9:00 am - 9:15 am	<b>OPG45</b>	<b>UNIVERSITI KEBANGSAAN MALAYSIA</b>	<b>THE DELPHI TECHNIQUE IN INFORMAL STEM LEARNING INTERVENTION: APPLICATION AND GUIDELINE</b>	<b>Kalaivani Chellappan</b> <a href="mailto:kckalai@ukm.edu.my">kckalai@ukm.edu.my</a> 0126949371
2	9:15 am - 9:30 am	<b>OPG46</b>	<b>SMK PENGKALAN BERANGAN, TERENGGANU</b>	<b>BEG XTANDER</b>	<b>Norlaila Sari Binti Husinhakima</b> <a href="mailto:laila_122_shaha@yahoo.com">laila_122_shaha@yahoo.com</a> 01125479133
3	9:30 am - 9:45 am	<b>OPG47</b>	<b>VICTORIA INSTITUTION, KUALA LUMPUR</b>	<b>INTEGRATION OF MULTIPLE REPRESENTATION LEVELS AND WAIT TIME APPROACH IN CHEMISTRY LESSON: A SELF-REFLECTION</b>	<b>Winnie Sim Siew Li</b> <a href="mailto:winniesim03@gmail.com">winniesim03@gmail.com</a> 012-2422105
4	10:00 am - 10:15 am	<b>OPG48</b>	<b>SM SAINS SULTAN MAHMUD, TERENGGANU</b>	<b>KBAT DALAM MENGUTARAKAN MASALAH MATEMATIK</b>	<b>Norulbiah Binti Ngah</b> <a href="mailto:norulbiah@gmail.com">norulbiah@gmail.com</a> 016 4464061
5	10:15 am - 10:30 am	<b>OPG49</b>	<b>SMJK CHUNG HWA TENOM, SABAH</b>	<b>TAKE HOME EXPERIMENTS KITS: A PANDEMIC PEDAGOGICAL APPROACH FOR TEACHING HIGH SCHOOL CHEMISTRY, PHYSICS &amp; BIOLOGY</b>	<b>Anuthra Sirisena</b> <a href="mailto:anuthra81@gmail.com">anuthra81@gmail.com</a> 0126474959
6	10:30 am - 10:45 am	<b>OPG50</b>	<b>KOLEJ MATRIKULASI PERAK</b>	<b>ATGC EXPERIMENTS IN IMPROVING CHEMISTRY LABORATORY LEARNING ENVIRONMENT</b>	<b>Yvonne Kulandaisamy</b> <a href="mailto:yvonne.ksamy@gmail.com">yvonne.ksamy@gmail.com</a> 0129482311



## ORAL PRESENTATION SCHEDULE

### INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)



We are using Cisco Webex

**SEPTEMBER 14, 2021 | TUESDAY  
ROOM 3**

*Click [Room](#) to join the conference room.*

Room 3		Theme		Best Practice	
Meeting No. : 170 224 9628		Host		Mrs. Mahidawati Binti Mamat	
Password : ICSTEM2021		Chairperson		Ms. Mimi Syazwani Binti Suhaimi	
No.	Time	Oral Presenter ID		Title	Presenter
1	9:00 am - 9:15 am	<b>OBP17</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>DIFFICULTIES IN TEACHING BIOLOGY CONCEPTS AND IMPROVING USING BIORANCH BY SCIENCES LECTURER AT FOUNDATION LEVEL</b>	<b>Noraifaa Binti Abdullah Sani</b> <a href="mailto:noraifaa.sani@umt.edu.my">noraifaa.sani@umt.edu.my</a> 0127540980
2	9:15 am - 9:30 am	<b>OBP18</b>	<b>SMK HAMID KHAN, PULAU PINANG</b>	<b>5E GUIDED CREATIVITY WITH GRAPHING CALCULATOR</b>	<b>Jeyaletchumi Muthiah</b> <a href="mailto:jeyaletchumi23@gmail.com">jeyaletchumi23@gmail.com</a> 0124747572
3	9:30 am - 9:45 am	<b>OBP19</b>	<b>SMK LEMBAH BIDONG, TERENGGANU</b>	<b>BEST PRACTICES: INTEGRATION OF 5E'S AND 6C'S PRODUCES MORE EFFECTIVE PDP</b>	<b>Abdul Halim Bin Ismail</b> <a href="mailto:gmh1994@gmail.com">gmh1994@gmail.com</a> 0139305330
4	10:00 am - 10:15 am	<b>OBP20</b>	<b>SMK LEMBAH BIDONG, TERENGGANU</b>	<b>BECOME A STEM MASTER WITH EASY PEASY GAMILAB</b>	<b>Noorhafizah Binti Adenan</b> <a href="mailto:noorhafizahadenan12061@gmail.com">noorhafizahadenan12061@gmail.com</a> 0139398287
5	10:15 am - 10:30 am	<b>OBP21</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>MANGING SUSTAINABLE MANGROVE FOREST AT MATANG MANGROVE BY USING GROWTH MODEL</b>	<b>Mohd Rodila Bin Ibrahim</b> <a href="mailto:mdrodila@umt.edu.my">mdrodila@umt.edu.my</a> 0199046016

6	10:30 am - 10:45 am	<b>OBP22</b>	<b>SMK SUNGAI RAMBAI, MELAKA</b>	<b>USE OF E-15 GAME BOARD FOR FORM 2 TUN KUDU STUDENTS TO ENHANCE REMEMBERING SKILLS OF ELECTRONIC DEVICES</b>	<b>Noor Adilah Binti Othman</b> <a href="mailto:nooradilah.binti.othman@gmail.com">nooradilah.binti.othman@gmail.com</a> 0132086617
7	10:45 am - 11:00 am	<b>OBP23</b>	<b>SMK TUN PERAK, PERAK</b>	<b>SNOpa WITH EMOJI OPERATIONS: MEMUDAHCARA PEMBELAJARAN MATEMATIK MENGENAI MENAMBAH DAN MENOLAK INTEGER DALAM KALANGAN MURID TINGKATAN SATU</b>	<b>Leow Tze Wei</b> <a href="mailto:zweismile82@gmail.com">zweismile82@gmail.com</a> 0164861023
	11:00 am - 11:30 am	BREAK			
8	11:30 am - 11:45 am	<b>OBP24</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>THE STUDY ON ROBOTICS PROGRAMMING FOR SPECIAL NEEDS STUDENTS (DEAF) TOWARDS ADVANCE TECHNOLOGY TEACHING</b>	<b>Wan Mohd Tarmizi Bin Wan Mohd Yusuf</b> <a href="mailto:tarmizi@umt.edu.my">tarmizi@umt.edu.my</a> 0137319840
9	11:45 am - 12:00 pm	<b>OBP25</b>	<b>SMKA SHEIKH HAJI MOHD SAID, NEGERI SEMBILAN</b>	<b>LEARNING THROUGH DESIGNING AND THE EFFECTIVENESS TOWARDS STUDENTS ACHIEVEMENT IN ELECTROCHEMISTRY.</b>	<b>Norhaslinda Binti Abdul Samad</b> <a href="mailto:lindafird@gmail.com">lindafird@gmail.com</a> 0126562252
10	12:00 pm - 12:15 pm	<b>OBP26</b>	<b>BAHAGIAN BIASISWA &amp; PEMBIAYAAN, KEMENTERIAN PENDIDIKAN MALAYSIA, CAWANGAN CYBERJAYA</b>	<b>THE DEVELOPMENT OF BASIC TEACHING MODEL FOR STEM MATHEMATICS BASED ON MORAL VALUES: A NEED ANALYSIS</b>	<b>Azlina Binti Amat Yasin</b> <a href="mailto:azleenna505@gmail.com">azleenna505@gmail.com</a> 0125847007
11	12:15 pm - 12:30 pm	<b>OBP27</b>	<b>BAHAGIAN BIASISWA &amp; PEMBIAYAAN, KEMENTERIAN PENDIDIKAN MALAYSIA, CAWANGAN CYBERJAYA</b>	<b>WHAT CONTENT KNOWLEDGE SHOULD TEACHERS TEACH AT THE EARLY OF PRIMARY PUPILS' UNDERSTANDING OF FRACTIONS?</b>	<b>Rosmawati Binti Mohamed</b> <a href="mailto:rosmawati2636@gmail.com">rosmawati2636@gmail.com</a> 013-9316745
12	12:30 pm - 12:45 pm	<b>OBP28</b>	<b>UNIVERSITY OF MALAYA</b>	<b>THE PREPARATION OF INTEGRATED STEM INSTRUCTIONAL PRACTICES THROUGH SCIENTIST-TEACHER-STUDENT PARTNERSHIP (STSP): AN ANALYSIS OF NEEDS FROM SCIENTISTS AND TEACHERS</b>	<b>Mohamad Hisyam Bin Ismail</b> <a href="mailto:hisyam_ismail@uitm.edu.my">hisyam_ismail@uitm.edu.my</a> 019-5159009

## ORAL PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**

**SEPTEMBER 14, 2021 | TUESDAY  
ROOM 4**



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<a href="#">Room 4</a>		Theme		DiIgital Technology	
Meeting No. : <b>170 959 6534</b>		Host		Ms. Fatin Nabilah Binti Mt Rashid	
Password : <b>ICSTEM2021</b>		Chairperson		Mrs. Siti Zairyn Binti Fakurol Rodzi	
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	9:00 am - 9:15 am	<b>ODT17</b>	<b>KOLEJ MATRIKULASI NEGERI SEMBILAN</b>	<b>MAGIC CUBE IN MATHEMATICAL LEARNING BY USING AUGMENTED REALITY APROACH</b>	<b>Wan Zanariah Binti Md Jahaya</b> <a href="mailto:wanzana@gmail.com">wanzana@gmail.com</a> 0194700971
2	9:15 am - 9:30 am	<b>ODT19</b>	<b>KOLEJ MATRIKULASI PAHANG</b>	<b>INQUIRY BASED LEARNING USING GOOGLE APPLICATIONS IN BIODIVERSITY EXPLORATION</b>	<b>Sharifah Nurula'in Balqis Binti Syed Mohd</b> <a href="mailto:bm-2068@moe-dl.edu.my">bm-2068@moe-dl.edu.my</a> 0177938187
3	9:30 am - 9:45 am	<b>ODT20</b>	<b>KOLEJ MATRIKULASI PERAK</b>	<b>THE EFFECTIVENESS OF TELE-BOARD AS T&amp;L FOR TUTORIAL PRACTICE IN MATRICULATION COLLEGE</b>	<b>Nik Norhasrina Binti Nik Din</b> <a href="mailto:nikhasrina82@gmail.com">nikhasrina82@gmail.com</a> 0194515697
4	10:00 am - 10:15 am	<b>ODT21</b>	<b>KOLEJ MATRIKULASI PERAK</b>	<b>UJIKO : GAMIFICATION APPLICATION FOR CHEMICAL TEST OF ORGANIC COMPOUNDS</b>	<b>Vhaisnavi Sundararajan</b> <a href="mailto:bm-1987@moe-dl.edu.my">bm-1987@moe-dl.edu.my</a> 0164405979
5	10:15 am - 10:30 am	<b>ODT22</b>	<b>JABATAN PENDIDDIKAN NEGERI MELAKA</b>	<b>BIBLIOMETRIC ANALYSIS OF TECHNOLOGY ACCEPTANCE AMONG TEACHERS USING SCOPUS DATABASE</b>	<b>Zalifah Mansor</b> <a href="mailto:zalifah.eduexcellent@edidik.edu.my">zalifah.eduexcellent@edidik.edu.my</a> 0143391004
6	10:30 am - 10:45 am	<b>ODT23</b>	<b>IPG KAMPUS PENDIDIKAN TEKNIK</b>	<b>SOCIO SCIENTIFIC ISSUES AS A VEHICLE TO PROMOTE MORAL AND ETHICAL REASONING SKILLS</b>	<b>Haslinah Binti Abdullah</b> <a href="mailto:haslinah@pendidikguru.edu.my">haslinah@pendidikguru.edu.my</a> 013 204 7975
7	10:45 am - 11:00 am				



	11:00 am - 11:30 am	BREAK			
8	11:30 am - 11:45 am	<b>ODT24</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>A REVIEW ON THE USE OF GOOGLE CLASSROOM APPLICATION IN TEACHING AND LEARNING MANAGEMENT AMONGST LECTURERS OF KELANTAN MATRICULATION COLLEGE</b>	<b>Sazuaranie Bin Hanapiah</b> <a href="mailto:bm-2924@moe-dl.edu.my">bm-2924@moe-dl.edu.my</a> 0193370050
9	11:45 am - 12:00 pm	<b>ODT25</b>	<b>JABATAN PENDIDIKAN NEGERI PERAK</b>	<b>ACHIEVEMENT OF MATHEMATICS AND INTEREST TOWARDS SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) OF PRIMARY SCHOOL STUDENTS</b>	<b>Najihah Binti Mustaffa</b> <a href="mailto:najihah@edidik.edu.my">najihah@edidik.edu.my</a> 0146384501
10	12:00 pm - 12:15 pm	<b>ODT26</b>	<b>KOLEJ KOMUNITI JELEBU</b>	<b>AN EFFECTIVENESS OF TERABEST IN IMPROVING STUDENTS COMPREHENSION</b>	<b>Nurriswin Binti Jumadi</b> <a href="mailto:nurriswin@s.unikl.edu.my">nurriswin@s.unikl.edu.my</a> 0169181624

## ORAL PRESENTATION SCHEDULE

### INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)

**SEPTEMBER 14, 2021 | TUESDAY  
ROOM 5**



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<b>Room 5</b>		<b>Theme</b>		<b>Others</b>	
Meeting No. : <b>170 325 0016</b>		<b>Host</b>		<b>Mrs. Normaizianti Binti Mohd Pilus</b>	
Password : <b>ICSTEM2021</b>		<b>Chairperson</b>		<b>Mr. Azhar Bin Mohd Sinin</b>	
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	9:00 am - 9:15 am	<b>OOT17</b>	<b>SMK BANDAR TUN HUSSEIN ONN 2, CHERAS.</b>	<b>INTEGRATING MEDIA INFORMATION LITERACY THROUGH CRITICAL THINKING IN CHEMISTRY.</b>	<b>Theresa Stanley Lourdes Benedict</b> <a href="mailto:treskanny22@gmail.com">treskanny22@gmail.com</a> 0193227710
2	9:15 am - 9:30 am	<b>OOT19</b>	<b>SMK BUKIT TUNGGAL, TERENGGANU</b>	<b>ENCOURAGING STUDENTS TO PARTICIPATE IN CLASSROOM ASSESSMENTS BY INCORPORATING STEM INTO GEOGRAPHY THROUGH THE 5E MODEL</b>	<b>Roslida Binti Hashim</b> <a href="mailto:g-06391972@moe-dl.edu.my">g-06391972@moe-dl.edu.my</a> 0129558466
3	9:30 am - 9:45 am	<b>OOT20</b>	<b>SMK CONVENT</b>	<b>STEM PjBL: LEARNING BY DOING DURING PANDEMIC IN TEACHING AND LEARNING OF COSMETICS</b>	<b>Noor Haslina Binti Daman Huri</b> <a href="mailto:n_haslina@hotmail.com">n_haslina@hotmail.com</a> 0125388724
4	10:00 am - 10:15 am	<b>OOT21</b>	<b>SMK CONVENT TAIPING</b>	<b>A ROBOTICS APPLICATION IN THE TEACHING AND LEARNING OF FREE FALL MOTION</b>	<b>Chow Sed Lie</b> <a href="mailto:csedlie0505@gmail.com">csedlie0505@gmail.com</a> 0126737716
5	10:15 am - 10:30 am	<b>OOT22</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>SU-8 MICRO-BIOSENSOR BASED ON MACH-ZEHNDER INTERFEROMETER</b>	<b>Mohd Muzamir Firdaus Bin Abu Bakar</b> <a href="mailto:muzamir.firdaus@umt.edu.my">muzamir.firdaus@umt.edu.my</a> 0123627689

6	10:30 am - 10:45 am	<b>OOT23</b>	<b>SMK KOMPLEKS MENGABANG TELIPOT, TERENGGANU</b>	<b>ONLINE LEARNING AND STUDENT SATISFACTION</b>	<b>Nur Azwa Binti Zynuddin</b> <a href="mailto:nurazwazynuddin@yahoo.com">nurazwazynuddin@yahoo.com</a> 0166665635
7	10:45 am - 11:00 am	<b>OOT24</b>	<b>SMK KOMPLEKS MENGABANG TELIPOT, TERENGGANU</b>	<b>ISSUES AND CHALLENGES INCORPORATING TIKTOK APPLICATION AS A TOOL OF EDUCATION</b>	<b>Najwa Binti Mohd Thani</b> <a href="mailto:najwamohdthani@gmail.com">najwamohdthani@gmail.com</a>
	11:00 am - 11:30 am	BREAK			
8	11:30 am - 11:45 am	<b>OOT25</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>STUDENTS' BEHAVIORAL INTENTION TO USE DIGITAL TECHNOLOGY ON ONLINE LEARNING DURING THE COVID-19 PANDEMIC</b>	<b>Nurul Syahida Binti Abu Bakar</b> <a href="mailto:nsab@umt.edu.my">nsab@umt.edu.my</a> 0139397910
9	11:45 am - 12:00 pm	<b>OOT26</b>	<b>UNIT LATIHAN PUSAT STEM NEGARA, KEMENTERIAN PENDIDIKAN MALAYSIA</b>	<b>AN INTEGRATED STEM FRAMEWORK FOR MATHEMATICS INSTRUCTION</b>	<b>Salbiah Binti Mohamad Hasim</b> <a href="mailto:samohas1502@gmail.com">samohas1502@gmail.com</a> 0162214569
10	12:00 pm - 12:15 pm	<b>OOT27</b>	<b>KOLEJ MATRIKULASI KEJURUTERAAN KEDAH</b>	<b>FAKTOR KEMUDAHAN DAN KESEDIAAN MENGIKUTI PEMBELAJARAN DALAM TALIAN DI KALANGAN PELAJAR KOLEJ MATRIKULASI KEJURUTERAAN KEDAH</b>	<b>Mohd Noramdzan Bin Mohd Yusof</b> <a href="mailto:noramdzan@kmk.matrik.edu.my">noramdzan@kmk.matrik.edu.my</a> 013393 8699
11	12:15 pm - 12:30 pm	<b>OOT28</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>TEACHING AND LEARNING OF STEM COURSES IN COVID-19 PANDEMIC: STUDENTS' POINT OF VIEW</b>	<b>Nurhakimah Binti Ab.Rahman</b> <a href="mailto:nurhakimah@umt.edu.my">nurhakimah@umt.edu.my</a> 0139476797



## ORAL PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**



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**SEPTEMBER 14, 2021 | TUESDAY  
ROOM 6**

*Click [Room](#) to join the conference room.*

<a href="#">Room 6</a>		Theme		E-Learning	
Meeting No. : <b>170 919 5827</b>		Host		Mrs. Kasmawati Binti Abd Rahman	
Password : <b>ICSTEM2021</b>		Chairperson		Mr. Mohamad Hussin Bin Haji Zain	
No.	Time	Oral Presenter ID	Oragnisation	Title	Presenter
1	9:00 am - 9:15 am	<b>OEL02</b>	<b>KOLEJ MATRIKULASI PULAU PINANG</b>	<b>ASSESSING PRE UNIVERSITY STUDENTS' AND PRE SERVICE TEACHERS KNOWLEDGE TOWARD GREEN COMPUTING TECHNOLOGY. A COMPARATIVE STUDY</b>	<b>Sheila Shamuganathan</b> <a href="mailto:shamsheila@yahoo.com">shamsheila@yahoo.com</a> 0164124570
2	9:15 am - 9:30 am	<b>OEL03</b>	<b>KOLEJ MATRIKULASI PULAU PINANG</b>	<b>MOTIVATION TOWARDS STEM AMONG PRE-UNIVERSITY STUDENTS</b>	<b>Azman Bin Mohd Noh</b> <a href="mailto:azman.mnoh@gmail.com">azman.mnoh@gmail.com</a> 0197710077
3	9:30 am - 9:45 am	<b>OEL04</b>	<b>KOLEJ MATRIKULASI PULAU PINANG</b>	<b>ASYNCHRONOUS ONLINE LEARNING EXPERIENCE AMONG PRE-UNIVERSITY STUDENTS ACCORDING TO GENDER</b>	<b>Nik Rafidah Nik Abd Rahman</b> <a href="mailto:nikrafidahkmpp76@gmail.com">nikrafidahkmpp76@gmail.com</a> 0134806705
4	10:00 am - 10:15 am	<b>OEL05</b>	<b>KOLEJ MATRIKULASI SARAWAK</b>	<b>WHEEL OF NAME, AKTVITI CABUTAN BERTUAH BAGI PEMBELAJARAN DAN PENGAJARAN SECARA DALAM TALIAN BAGI TOPIK KEBARANGKALIAN</b>	<b>Mohd Noor Hafizee Bin Zulkaflee</b> <a href="mailto:hafizeekmsw@gmail.com">hafizeekmsw@gmail.com</a> 0192201101
5	10:15 am - 10:30 am	<b>OEL06</b>	<b>KOLEJ MATRIKULASI SARAWAK</b>	<b>THE YOUTUBE CHANNEL USAGE PATTERN AS CONSULTATION/REVISION MEDIUM FOR MATRICULATION BIOLOGY : A CASE STUDY</b>	<b>Muhammad Hafizuddin Bin Kamarudin</b> <a href="mailto:m.hafizuddin.kamarudin@gmail.com">m.hafizuddin.kamarudin@gmail.com</a> 0136360387
6	10:30 am - 10:45 am	<b>OEL07</b>	<b>KOLEJ MATRIKULASI SARAWAK</b>	<b>ANALYSIS OF EXAMINATION RESULT THROUGH TABLEAU</b>	<b>Sandran Bin Abdullah</b> <a href="mailto:sandran1905@gmail.com">sandran1905@gmail.com</a> 0179106245

7	10:45 am - 11:00 am				
	11:00 am - 11:30 am	BREAK			
8	11:30 am - 11:45 am	<b>OEL08</b>	<b>KOLEJ TINGKATAN ENAM DESA MAHKOTA, , KUALA LUMPUR.</b>	<b>IMPROVING THE SKILLS OF DRAWING ELLIPSE AND HYPERBOLA USING THE TECHNIQUE OF "+ LONG &amp; SHORT CFV, - FRONT &amp; BACK CVF" AMONG 11 6BS1 STUDENTS</b>	<b>Mohamad Afiq Bin Anuar</b> <a href="mailto:afiganuar_0401@yahoo.com">afiganuar_0401@yahoo.com</a> 0179427981
9	11:45 am - 12:00 pm	<b>OEL09</b>	<b>KOLJE MATRIKULASI JOHOR</b>	<b>THE USE OF AUGMENTED REALITY (AR) APPLICATION IN ASSISTING STUDENTS TO DRAW 3D ORBITAL DIAGRAMS</b>	<b>Aiza Mufida Binti Mozi</b> <a href="mailto:aizamozi889@gmail.com">aizamozi889@gmail.com</a> 0196577189
10	12:00 pm - 12:15 pm	<b>OEL10</b>	<b>KPM (HLP)</b>	<b>THE IMPACT OF VIRTUAL LEARNING ENVIRONMENT FOR LEARNING MATHEMATICS AMONG PRIMARY SCHOOL STUDENTS IN MALAYSIA</b>	<b>Parameshvaran A/L Varaman</b> <a href="mailto:parameshvaranvaraman@gmail.com">parameshvaranvaraman@gmail.com</a> 0125059693
11	12:15 pm - 12:30 pm	<b>OEL11</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>ONLINE LEARNING: THE LEVEL OF AWARENESS, ACCEPTANCE, AND EFFECTIVENESS AMONG MALAYSIA EDUCATOR</b>	<b>Ruzman Bin Mat Ali</b> <a href="mailto:ruzman.kmkt@gmail.com">ruzman.kmkt@gmail.com</a> 0126331231
12	12:30 pm - 12:45 pm	<b>OEL12</b>	<b>KOLEJ MATRIKULASI SELANGOR</b>	<b>EDPUZZLE AS A TECHNIQUE TO IMPROVE STUDENT PERFORMANCE IN THE PHYSICAL OPTICS TOPIC</b>	<b>Nina Farina Binti Shah Zarin</b> <a href="mailto:nina.zarin@gmail.com">nina.zarin@gmail.com</a> 01128684632

## ORAL PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**



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**SEPTEMBER 14, 2021 | TUESDAY  
ROOM 7**

*Click [Room](#) to join the conference room.*

<a href="#">Room 7</a>		Theme		Best Practice	
Meeting No. : <b>170 569 7881</b>		Host		<b>Mrs. Nur Harmiera Binti Abd Rahman</b>	
Password : <b>ICSTEM2021</b>		Chairperson		<b>Mrs. Syahida Binti Abd. Rahim</b>	
No.	Time	Oral Presenter ID	Organisation	Title	Presenter
1	9:00 am - 9:15 am	<b>OBP29</b>	<b>SMK PANDAN INDAH, SELANGOR</b>	<b>UNDERGOING SCIENCE EXPERIMENT IN HYBRID LEARNING: A CONCEPT PAPER</b>	<b>Nazihah Binti Idris</b> <a href="mailto:teachernazihah@gmail.com">teachernazihah@gmail.com</a> 0126979182
2	9:15 am - 9:30 am	<b>OBP30</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>STIMULATION OF STUDENT INTEREST IN ORGANIC CHEMISTRY BY GAME CARD</b>	<b>Nurul Nadia Binti Zainal Abidin</b> <a href="mailto:nadia.zainal@umt.edu.my">nadia.zainal@umt.edu.my</a> 0133051253
3	9:30 am - 9:45 am	<b>OBP31</b>	<b>INSTITUT PENDIDIKAN GURU KAMPUS PENDIDIKAN ISLAM</b>	<b>THE IMPACTS OF EFLC-SUM TO ELEVATE STUDENTS CONCEPTS OF CIRCLE</b>	<b>Rohani Binti Abd Wahab</b> <a href="mailto:rohani.abdwahab@yahoo.com">rohani.abdwahab@yahoo.com</a> 0177765248
4	10:00 am - 10:15 am	<b>OBP32</b>	<b>INSTITUT PENDIDIKAN GURU KAMPUS RAJA MELEWAR, SEREMBAN.</b>	<b>INTEGRATION OF ART ELEMENTS IN STEM EDUCATION IN PRESCHOOL</b>	<b>Nurul Idayu Binti Abd Aziz</b> <a href="mailto:ipgm-1485@moe-dl.edu.my">ipgm-1485@moe-dl.edu.my</a> 0172210302
5	10:15 am - 10:30 am	<b>OBP33</b>	<b>KOLEJ MATRIKULASI SELANGOR</b>	<b>ENHANCING THE SKILL TO SOLVE THE CONCENTRATION CONCEPT AMONG MATRICULATION OF SEMESTER 1 STUDENTS USING PN DEN SO TECHNIQUE</b>	<b>Ainul Ezatul Farah Binti Mohd Taha</b> <a href="mailto:ainutaha@gmail.com">ainutaha@gmail.com</a> 0175999356
6	10:30 am - 10:45 am	<b>OBP34</b>	<b>INSTITUT PENDIDIKAN GURU KAMPUS TEMENGGONG IBRAHIM</b>	<b>RETRIEVAL BASED LEARNING APPROACH USING LINEAR REGRESSION</b>	<b>Noor Azizah Binti Aziz</b> <a href="mailto:azizah14-136@epembelajaran.edu.my">azizah14-136@epembelajaran.edu.my</a> 0197776679

7	10:45 am - 11:00 am	<b>OBP35</b>	<b>PUSAT ASASI STEM, UNIVERSITI MALAYSIA TERENGGANU</b>	<b>THE EFFECTIVENESS OF GAME ASSESSMENT IN LEARNING PHYSICS</b>	<b>Salihah Tan Shilan</b> <a href="mailto:salihah.shilan@umt.edu.my">salihah.shilan@umt.edu.my</a> 0124647620
	11:00 am - 11:30 am	BREAK			
8	11:30 am - 11:45 am	<b>OBP36</b>	<b>SK. SEBERANG TAKIR, TERENGGANU</b>	<b>ACTION RESEARCH AT SK SEBERANG TAKIR USES THE GROW TECHNIQUE AS A CATALISYST TO THE BASIC READING OF YEAR 3 STUDENTS OF IBNU MAJAH</b>	<b>Salina Binti Hamzah</b> <a href="mailto:salinahamzah78@gmail.com">salinahamzah78@gmail.com</a> 019-956 6010





MINISTRY OF HIGHER EDUCATION



MINISTRY OF EDUCATION MALAYSIA

Online Conference

# 3<sup>rd</sup> ICSTEM 2021

INTERNATIONAL CONFERENCE IN SCIENCE  
TECHNOLOGY ENGINEERING AND MATHEMATICS

*"IMPLEMENTATION OF INTEGRATED STEM EDUCATION"*

*Poster Presentation*

## POSTER PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**

**13 - 14 SEPTEMBER 2021 | MONDAY - TUESDAY**

Theme			Pedagogy	
Link			<a href="#">Poster Gallery Pedagogy</a>	
No.	Poster Presenter ID	Organization	Title	Presenter
1	PPG02	UNIVERSITI KEBANGSAAN MALAYSIA	PARAMETER ESTIMATION OF LOTKA-VOLTERRA MODEL USING LEAST SQUARES METHOD ON ECONOMIC VARIABLES	Noor Ashikin Othman <a href="mailto:p97180@siswa.ukm.edu.my">p97180@siswa.ukm.edu.my</a> 0197757342
2	PPG03	UNIVERSITI KEBANGSAAN MALAYSIA	SUSTAINABILITY AND TEACHING METHOD IN SCIENCE EDUCATION- A REVIEW OF THE LITERATURE ON EDUCATION FOR SUSTAINABILITY.	Norazmira Muhamad <a href="mailto:norazmiramad@gmail.com">norazmiramad@gmail.com</a> 0123329400
3	PPG04	KOLEJ MATRIKULASI JOHOR	INTERGRATING E-MAGAZINE AND VECTOR POP-UP BOOK AS TEACHING AIDS IN MATHEMATICS PEDAGOGICAL APPROACH	Nur Afika Ismail <a href="mailto:nurafika91@gmail.com">nurafika91@gmail.com</a> 0149337392
4	PPG05	KOLEJ MATRIKULASI KEDAH	INQUIRY-BASED LEARNING IN MATHEMATICS: MATHEMATICAL MODELLING	Kang Kooi Wei <a href="mailto:kangkooiwei@gmail.com">kangkooiwei@gmail.com</a> 0194706213
5	PPG06	KOLEJ MATRIKULASI LABUAN	CAR-TABLE: SIMPLE AND EFFECTIVE TOOLS TO IMPROVE STUDENTS CAPABILITY IN WRITING THERMOCHEMICAL EQUATION	Muhammad Shazwan Sheikh Abdul Razak <a href="mailto:bm-3341@moe-dl.edu.my">bm-3341@moe-dl.edu.my</a> 0135184857

6	PPG07	KOLEJ MATRIKULASI MELAKA	TOS(2 DOT) : HELPING TO SOLVE QUADRATIC INEQUALITIES PROBLEMS AMONG D11T7/D11T15 STUDENTS	Hayatul Murshida Bt Mohd Khairuddin <a href="mailto:hayatul84@gmail.com">hayatul84@gmail.com</a> 0125828153
7	PPG08	KOLEJ MATRIKULASI NEGERI SEMBILAN	USING GEO – FISH BONE TOOLKIT TO SOLVE MIRROR AND LENS CALCULATION PROBLEMS IN GEOMETRICAL OPTICS	Sitinorsham Shamsudin <a href="mailto:sitinorsham82gemini@gmail.com">sitinorsham82gemini@gmail.com</a> 0129187543
8	PPG09	KOLEJ MATRIKULASI NEGERI SEMBILAN	GAS TOOLKIT	Noor Fatihah Zulkepaly <a href="mailto:noor_fatihah@kmns.matrik.edu.my">noor_fatihah@kmns.matrik.edu.my</a> 0196685357
9	PPG10	KOLEJ MATRIKULASI NEGERI SEMBILAN	MOLECULAR GEOMETRY TOOLKIT	Amal Hayati Jamali <a href="mailto:amalkml169@gmail.com">amalkml169@gmail.com</a> 0127018731
10	PPG11	KOLEJ MATRIKULASI NEGERI SEMBILAN	ATOMS AND ISOTOPES TOOLKIT: AN INTERACTIVE CHEMISTRY SELF- LEARNING APPLICATION	Dani Asmadi Ibrahim <a href="mailto:dani_asmadi@kmns365.matrik.edu.my">dani_asmadi@kmns365.matrik.edu.my</a> 0197628215
11	PPG12	KOLEJ MATRIKULASI PAHANG	HI-O KIT AND WAKELET: INTEGRATION OF TEACHING AIDS IN IMPROVING STUDENTS' ORBITAL HYBRIDIZATION DRAWING SKILLS	Hezelin Elayana Shaian <a href="mailto:hezelin2017@gmail.com">hezelin2017@gmail.com</a> 0197904866
12	PPG13	KOLEJ MATRIKULASI PERLIS	INQUIRY BASED LEARNING IN EXPERIMENT OF BLOOD GROUP DETERMINATION : AN APPRECIATION	Nor Azilah Abdul Aziz <a href="mailto:bm-1042@moe-dl.edu.my">bm-1042@moe-dl.edu.my</a> 0125979537
13	PPG14	KOLEJ TINGKATAN ENAM HULU TERENGGANU	IMPROVE SKILLS TO DERIVE THE EXPRESSION OF ADIABATIC AND ISOTHERMAL PROCESSES AMONG FORM SIX PHYSICS STUDENTS THROUGH THE "ADISO KIT METHOD"	Nor Anisah Abd Wahab <a href="mailto:anisahh8910@gmail.com">anisahh8910@gmail.com</a> 0139844041

14	PPG15	SM IMTIAZ YT SETIU	APPLICATION OF ARDUINO MODULES IN PHYSICS KSSM	Mohd Hafizul Izwan Mohamad Zaidi <a href="mailto:mohdhafizulizwan@yahoo.com">mohdhafizulizwan@yahoo.com</a> 0132992244
15	PPG16	SM SAINS DUNGUN	THE EFFECTS OF PROBLEM-BASED LEARNING ON MATHEMATICS PERFORMANCE AND AFFECTIVE ATTRIBUTES IN LEARNING TRIGONOMETRY AT FORM 3	Nurul Nadia Ali <a href="mailto:Gurlzstrange@Yahoo.Com">Gurlzstrange@Yahoo.Com</a> 0182780265
16	PPG17	SMK BANDAR BANTING	EXPLORATION OF STUDENTS' CREATIVITY BY INTEGRATING STEM KNOWLEDGE IN SMK BANDAR BANTING, SELANGOR	Sharanjit Kaur Harbhajan Singh <a href="mailto:g-62352100@moe-dl.edu.my">g-62352100@moe-dl.edu.my</a> 0129793310
17	PPG18	SMK JALAN EMPAT	INTERFERE KIT	Salmah Ibrahim <a href="mailto:salmah961@gmail.com">salmah961@gmail.com</a> 0192225232
18	PPG20	UNIVERSITI PUTRA MALAYSIA	THE IMPACTS OF 'POKE GO' BOARD GAME IN LEARNING MATHEMATICS OF YEAR FOUR PRIMARY SCHOOL'S STUDENTS IN SEREMBAN, NEGERI SEMBILAN	Liow Choy Yoke <a href="mailto:choyoke_sam@hotmail.com">choyoke_sam@hotmail.com</a> 0173367396
19	PPG21	SM IMTIAZ YT KUALA NERUS	THE EFFECTIVENESS OF LEARNING INNO KIT ON THE TOPIC OF INVENTIVE PRINCIPLE FOR THE SEPARATENESS OF SPACE AND TIME METHOD AMONG FORM 2 STUDENTS	Alia Amira Alias <a href="mailto:alia.amira@edidik.edu.my">alia.amira@edidik.edu.my</a> 0133229920
20	PPG23	KOLEJ MATRIKULASI LABUAN	THE EFFECTIVENESS OF FLEMONIC TO IMPROVE STUDENTS' DECLARATIVE MEMORY FOR THE ELECTROLYSIS OF WATER	Byron Mc Michael Kadum <a href="mailto:byrnkdm@gmail.com">byrnkdm@gmail.com</a> 0168069178
21	PPG24	SK RAJA BAHAR	ENHANCING YEAR 5 PUPILS' MASTERY SKILL ON THE CONCEPT OF CUBE AND CUBOID VOLUME BY USING I2K INNOVATION	Saifulnizan Che Ismail <a href="mailto:cisaifulnizan82@gmail.com">cisaifulnizan82@gmail.com</a> 0197383224



22	<b>PPG25</b>	<b>SMK BELARA</b>	<b>THE ASEZONE GAME</b>	<b>Nur Marlia Muda</b> <a href="mailto:mnurmarlia@gmail.com">mnurmarlia@gmail.com</a> 0199319628
23	<b>PPG26</b>	<b>KOLEJ MATRIKULASI PULAU PINANG</b>	<b>IMPROVING MANIPULATIVE SKILLS IN CHEMISTRY EXPERIMENTS BY UTILIZING PVDBP APPROACH</b>	<b>Salwati Yaakub</b> <a href="mailto:salwati.yaakub@gmail.com">salwati.yaakub@gmail.com</a> 0194787519
24	<b>PPG27</b>	<b>KOLEJ MATRIKULASI KEJURUTERAAN KEDAH</b>	<b>PCARD GAME</b>	<b>Roosaniza Ramli</b> <a href="mailto:phdrosa2019@gmail.com">phdrosa2019@gmail.com</a> 012-5080494

## POSTER PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**

**13 - 14 SEPTEMBER 2021 | MONDAY - TUESDAY**

Theme			Assessment	
Link			<a href="#">Poster Gallery Assessment</a>	
No.	Poster Presenter ID	Organization	Title	Presenter
1	PAS02	KOLEJ MATRIKULASI KELANTAN	COMPARISON BETWEEN FACE TO FACE AND VIRTUAL CHEMISTRY PRACTICAL ASSESSMENT AT KOLEJ MATRIKULASI KELANTAN	Elmi Sharlina Md Suhaimi <a href="mailto:elmisharlina@gmail.com">elmisharlina@gmail.com</a> 0192167892
2	PAS03	KOLEJ MATRIKULASI LABUAN	CARBOWHEEL: A TOOL TO IMPROVE STUDENTS KNOWLEDGE RETENTION OF CARBONYL DERIVATIVES FUNCTIONAL GROUPS	Muhammad Shazwan Sheikh Abdul Razak <a href="mailto:bm-3341@moe-dl.edu.my">bm-3341@moe-dl.edu.my</a> 0135184857
3	PAS04	KOLEJ MATRIKULASI PERAK	USE OF CHECKLIST AS AN ASSESSMENT TOOL IN CHEMISTRY TITRATION EXPERIMENTS	Kong Suet Lee <a href="mailto:kongsuetlee@edidik.edu.my">kongsuetlee@edidik.edu.my</a> 0125609927
4	PAS05	SEKOLAH MENENGAH SAINS DUNGUN	EFFECTIVE EVALUATION METHODS IN ASSESSING STUDENT UNDERSTANDING FOR MATHEMATICS SUBJECTS DURING TEACHING AND LEARNING AT HOME (TLAT): GOOGLE FORM	Mohamad Yusof Endut <a href="mailto:mdyusofe@gmail.com">mdyusofe@gmail.com</a> 0139823955
5	PAS06	SMK PADANG KEMUNTING	EFFECTIVENESS OF SELF-EXPERIMENTS TO STUDY THE GROWTH PATTERN OF BEAN SPROUT SEEDLING DURING HOME-BASED TEACHING AND LEARNING OF COVID-19 PANDEMIC	Zurita Othman <a href="mailto:zurita040676@gmail.com">zurita040676@gmail.com</a> 0199883680

## POSTER PRESENTATION SCHEDULE

INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)

13 - 14 SEPTEMBER 2021 | MONDAY - TUESDAY

Theme			E-LEARNING	
Link			<a href="#">Poster Gallery E-Learning</a>	
No.	Poster Presenter ID	Organization	Title	Presenter
1	PEL01	KOLEJ MATRIKULASI MELAKA	RELATING CONTENT KNOWLEDGE IN PERIODIC TABLE WITH DAILY LIFE APPLICATION USING TIKTOK	Marziah Mohamad <a href="mailto:marziahmohamad@gmail.com">marziahmohamad@gmail.com</a> 0126453258
2	PEL02	KOLEJ MATRIKULASI KELANTAN	STUDENT'S PERCEPTION OF USING WORDWALL AS LEARNING TOOLS FOR ORGANIC CHEMISTRY	Suhaina Mohd Yatim <a href="mailto:suhainamohdyatim@gmail.com">suhainamohdyatim@gmail.com</a> 0196920324
3	PEL03	KOLEJ MATRIKULASI PERAK	LIGHTBOARD INTEGRATION THROUGH SYNCHRONOUS AND ASYNCHRONOUS TEACHING	Shakirin Ahmad Bakary <a href="mailto:suhainamohdyatim@gmail.com">suhainamohdyatim@gmail.com</a> 0195588707
4	PEL04	SMK SULTAN AHMAD	TECHNIQUE 'I - MEK COMEL YA': BEST PRACTICES TO IMPROVE PROBLEMS SOLVING SKILLS STRAIGHT LINE VIA ONLINE	Tengku Haslinda Tengku Hussain <a href="mailto:cglinda2011@gmail.com">cglinda2011@gmail.com</a> 0199235413

## POSTER PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**

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Theme			Digital Technology	
Link			<a href="#">Poster Gallery Digital Technology</a>	
No.	Poster Presenter ID	Organization	Title	Presenter
1	PDT01	SMK DESA CEMPAKA	THE USE OF GAMIFICATION DIGITAL STORYTELLING IN THE LEARNING OF VECTORS IN ADDITIONAL MATHEMATICS	Nur Aziah Nasir <a href="mailto:nuraziahnasir@yahoo.com">nuraziahnasir@yahoo.com</a> 0125202494
2	PDT02	KOLEJ MATRIKULASI KELANTAN	EFFECTIVENESS OF MOLGEN ONLINE DIGITAL APPLICATION IN DETERMINING ISOMERS FOR SK025 COURSE AT KELANTAN MATRICULATION COLLEGE	Suhaibah Mustafa <a href="mailto:sueyus1407@gmail.com">sueyus1407@gmail.com</a> 01110705134
3	PDT03	KOLEJ MATRIKULASI MELAKA	TEACHING JAVA USING JDOODLE LIVE CODING APPLICATION FOR MATRICULATION STUDENTS	Anita Mohammed <a href="mailto:bm-0659@moe-dl.edu.my">bm-0659@moe-dl.edu.my</a> 0104019178
4	PDT04	KOLEJ MATRIKULASI MELAKA	THE EFFECTIVENESS OF ANIMATION FOR-LOOPS COUNTER REPETITION STRUCTURES (ANI4COU)	Nor Ilyani Othman <a href="mailto:bm-0864@moe-dl.edu.my">bm-0864@moe-dl.edu.my</a> 0132410547
5	PDT06	KOLEJ MATRIKULASI PAHANG	THE USE OF CHEMS STUDYSMART APPS IN ORGANIC CHEMISTRY LEARNING ACTIVITIES	Wan Azreeni Wan Mohd Juhari <a href="mailto:bm-3913@moe-dl.edu.my">bm-3913@moe-dl.edu.my</a> 0126491341
6	PDT07	KOLEJ MATRIKULASI PERAK	THE EFFECT OF JAVAR AUGMENTED REALITY APPLICATION ON COMPUTER SCIENCE ACHIEVEMENT	Aizu Khalili Zohedi <a href="mailto:bm-1428@moe-dl.edu.my">bm-1428@moe-dl.edu.my</a> 0124520248



7	<b>PDT08</b>	<b>KOLEJ MATRIKULASI PERAK</b>	<b>THE USE OF SCRATCH 3.0 VISUAL TEACHING AIDS TO DESIGN AND DEVELOP MATH EDUCATIONAL GAMES IN THE TEACHING AND LEARNING OF ALGORITHM IN PROGRAMMING</b>	<b>Siti Sakinah Mohd Yusof</b> <a href="mailto:bm-1621@moe-dl.edu.my">bm-1621@moe-dl.edu.my</a> 0174703761
8	<b>PDT09</b>	<b>KOLEJ MATRIKULASI PULAU PINANG</b>	<b>NEW NORMS: SELF-LEARNING WITH V-MINDMAP</b>	<b>Lim Ai Hui Lim</b> <a href="mailto:rachelim79@gmail.com">rachelim79@gmail.com</a> 0195737746
9	<b>PDT10</b>	<b>KOLEJ MATRIKULASI SARAWAK</b>	<b>WEB-BASED SPREADSHEET IN MALAYSIAN MATRICULATION PHYSICS LABS</b>	<b>Shafiq Rasulan</b> <a href="mailto:shafiq@kmsw.matrik.edu.my">shafiq@kmsw.matrik.edu.my</a> 0105520080
10	<b>PDT11</b>	<b>KOLEJ MATRIKULASI SELANGOR</b>	<b>APPLICATION OF ANALOGY KIT FOR STUDENTS' PERFORMANCE IN SUBTOPIC STEPS IN GENE CLONING</b>	<b>Erny Julia Abdullah Kamal</b> <a href="mailto:ernyjulia153@gmail.com">ernyjulia153@gmail.com</a> 01110840315
11	<b>PDT12</b>	<b>SEKOLAH MENENGAH SAINS DUNGUN</b>	<b>THE EFFECTIVENESS OF USING GOOGLE MEET AS A PLATFORM FOR HOME-BASED TEACHING AND LEARNING MATHEMATICS SUBJECTS</b>	<b>Nor Azila Nor Mazlan</b> <a href="mailto:zielamazlan91@gmail.com">zielamazlan91@gmail.com</a> 0148227014
12	<b>PDT13</b>	<b>SJKC JALAN DAVIDSON</b>	<b>PBL-TM FUTURE SKILLS: THE ART OF DIGITAL LEARNING</b>	<b>Lo Yoon Mee</b> <a href="mailto:yoomeelo.upm@gmail.com">yoomeelo.upm@gmail.com</a> 0163381883
13	<b>PDT15</b>	<b>UNIVERSITI UTARA MALAYSIA</b>	<b>THE DEVELOPMENT OF A REMOTE RESTART SERVICES SYSTEM IN PRODUCTION LINE USING POWERSHELL SCRIPT</b>	<b>Hapini Awang</b> <a href="mailto:hapini.awang@gmail.com">hapini.awang@gmail.com</a> 0125891300
14	<b>PDT17</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>PERCEPTION OF STUDENTS TOWARDS THE USE OF WHATSAPP FOR COMPUTER SCIENCE LESSON AT KELANTAN MATRICULATION COLLEGE</b>	<b>Haslina Hassan</b> <a href="mailto:bm-3094@moe-dl.edu.my">bm-3094@moe-dl.edu.my</a> 0133635262
15	<b>PDT18</b>	<b>KOLEJ MATRIKULASI PAHANG</b>	<b>ICU METHOD: IMPROVING STUDENTS' SKILLS TO WRITE PROGRAM CODES IN REPETITION CONTROL STRUCTURE</b>	<b>Aida Noor Johari James</b> <a href="mailto:bm-2243@moe-dl.edu.my">bm-2243@moe-dl.edu.my</a> 0127261230

16	<b>PDT19</b>	<b>KOLEJ MATRIKULASI PAHANG</b>	<b>IMPROVING STUDENTS' SKILLS IN SKETCHING ELECTROSTATIC FORCE DIRECTIONS USING D.E.F KIT</b>	<b>Najwa Mahshar</b> <a href="mailto:najwa@kmpk.matrik.edu.my">najwa@kmpk.matrik.edu.my</a> 0199186376
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## POSTER PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**

**13 - 14 SEPTEMBER 2021 | MONDAY - TUESDAY**

Theme			Best Practice	
Link			<a href="#">Poster Gallery Best Practice</a>	
No.	Poster Presenter ID	Organization	Title	Presenter
1	PBP01	KOLEJ KOMUNITI SEGAMAT	LEARN WIRING EASY WAY (LEWIEW) KIT	Siti Norzekhan Che Aziz <a href="mailto:rensa_renz@yahoo.com.my">rensa_renz@yahoo.com.my</a> 0136246049
2	PBP02	KOLEJ MATRIKULASI KEDAH	THE USE OF TACCLE TECHNIQUE IN ENHANCING MEANINGFUL LEARNING OF THE TOPIC OF RECOMBINANT DNA TECHNOLOGY AMONG TWO-YEAR PROGRAMME BIOLOGY STUDENTS	Norhamidah Hussain <a href="mailto:norhamidah@kmk.matrik.edu.my">norhamidah@kmk.matrik.edu.my</a> 0193929101
3	PBP03	KOLEJ MATRIKULASI KEJURUTERAAN JOHOR	HTC TECHNIQUE: METHOD TO INCREASE SKILL IN SOLVING PROBLEM FOR SUBTOPIC SERIES AND PARALLEL CIRCUIT	Farzana Hussin <a href="mailto:farzana@kmkj.matrik.edu.my">farzana@kmkj.matrik.edu.my</a> 0167166657
4	PBP04	KOLEJ MATRIKULASI KEJURUTERAAN JOHOR	APPLICATION OF CLASSWIZ EMULATOR ONLINE FOR DATA DESCRIPTION IN MATHEMATICS SUBJECT AT JOHOR ENGINEERING MATRICULATION COLLEGE	Siti Nor Wazna Abdul Hadi <a href="mailto:siti.norwazna@kmkj.matrik.edu.my">siti.norwazna@kmkj.matrik.edu.my</a> 0179540250
5	PBP05	KOLEJ MATRIKULASI KEJURUTERAAN JOHOR	TS18: The Safety Devices	Abdul Manaf Mohd Elias <a href="mailto:manaf7171@gmail.com">manaf7171@gmail.com</a> 0177716488
6	PBP06	KOLEJ MATRIKULASI LABUAN	PROG-CHEM-ING : A CROSS-CURRICULAR LEARNING MODULE TO TEACH ORGANIC CHEMISTRY MECHANISM AND PROGRAMMING	Muhammad Shazwan Sheikh Abdul Razak <a href="mailto:bm-3319@moe-dl.edu.my41">bm-3319@moe-dl.edu.my41</a> 0135184857

7	<b>PBP07</b>	<b>KOLEJ MATRIKULASI SELANGOR</b>	<b>THE USE OF WAYANG KULIT PERFORMANCE IN THE KREBS CYCLE</b>	<b>Erny Julia Abdullah Kamal</b> <a href="mailto:ernyjulia153@gmail.com">ernyjulia153@gmail.com</a> 01110840315
8	<b>PBP08</b>	<b>KOLEJ MATRIKULASI SELANGOR</b>	<b>THE USE OF DENSE-EMPTY METHOD IN IMPROVING THE SKILL OF DETERMINING THE PROBABILITY OF DISCRETE RANDOM VARIABLES IN SCIENCE MATHEMATICS STUDENTS, USING EXERCISES THROUGH LIVEWORKSHEETS WEBSITE</b>	<b>Rohani Ishak</b> <a href="mailto:rohani2484@gmail.com">rohani2484@gmail.com</a> 0193432554
9	<b>PBP09</b>	<b>KOLEJ TINGKATAN ENAM HULU TERENGGANU</b>	<b>ENHANCING THE SKILL TO EXPLAIN THE MELTING POINT OF ELEMENTS IN PERIOD 2 AND 3 AMONG STUDENTS OF 6 UNISZA 1 USING "TEKNIK KECAM"</b>	<b>Sharifah @ Aziah Ahmad</b> <a href="mailto:mas2raamirah@gmail.com">mas2raamirah@gmail.com</a> 0129214569
10	<b>PBP10</b>	<b>SBP INTEGRASI BATU RAKIT</b>	<b>EFFICIENCY OF STRATEGICAL LEARNING BY USING CONANS METHOD TO FACE THE PDPR 3.0 CHALLENGE</b>	<b>Nor Hamira Mohd Taib</b> <a href="mailto:cikqu.mirahamira@gmail.com">cikqu.mirahamira@gmail.com</a>  0139662858
11	<b>PBP11</b>	<b>SMK DATO' HAJI MOHD SAID</b>	<b>DMOSS EDUTHEME PARK: MEANINGFUL LEARNING SOLUTION</b>	<b>Marzana Said</b> <a href="mailto:marzana_said@yahoo.com">marzana_said@yahoo.com</a> 0195294309
12	<b>PBP12</b>	<b>SEKOLAH MENENGAH SAINS DUNGUN</b>	<b>HOME HYDROPOWER: ENGAGING STUDENT INTEREST IN LEARNING SCIENCE FORM 2 UNDER THE THEME OF ENERGY AND SUSTAINABILITY OF LIFE</b>	<b>Nurafini Assila Mohd Rafi</b> <a href="mailto:nurafiniassila@gmail.com">nurafiniassila@gmail.com</a> 0179358045
13	<b>PBP13</b>	<b>SEKOLAH MENENGAH TEKNIK SEJINGKAT</b>	<b>FISHBONE Q1Q2Q3</b>	<b>Kong Sieng Chuo</b> <a href="mailto:g-18312662@moe-dl.edu.my">g-18312662@moe-dl.edu.my</a> 0198652819
14	<b>PBP14</b>	<b>SEKOLAH SUKAN MALAYSIA TERENGGANU</b>	<b>LEARNING EFFECTIVENESS USING MCO KIT SCIENCE WARRIOR APPLICATION AS A SCIENCE LEARNING APPROACH</b>	<b>Mohd Zulhusni Zulkipli</b> <a href="mailto:zulhusnissmt@gmail.com">zulhusnissmt@gmail.com</a> 0194605742



15	<b>PBP15</b>	<b>SM IMTIAZ YAYASAN TERENGGANU BESUT</b>	<b>MATARSETT MANIOLAS</b>	<b>Suhaila Salleh</b> <a href="mailto:suhailahjsalleh@gmail.com">suhailahjsalleh@gmail.com</a> 0139337204
16	<b>PBP16</b>	<b>SM SAINS SULTAN MAHMUD</b>	<b>TELEGRAM : MOBILE COMMUNICATION TECHNOLOGY FOR TEAMWORK</b>	<b>Bishanani Omar</b> <a href="mailto:bishananisesma2021@gmail.com">bishananisesma2021@gmail.com</a> 0199524257
17	<b>PBP17</b>	<b>SMK JALAN BUKIT</b>	<b>THE LEADERSHIP OF A PRINCIPAL IN PROMOTING INNOVATIONS AND STRENGTHENING STRATEGIES IN TEACHING AND LEARNING STEM IN SCHOOL</b>	<b>Jacqueline Audrey</b> <a href="mailto:jaclynaudrey@gmail.com">jaclynaudrey@gmail.com</a> 0169582979
18	<b>PBP18</b>	<b>SMK KOMPLEKS GONG BADAQ</b>	<b>NATURE TO NATURE TECH: AQUAPONIC</b>	<b>Norriham Abdullah</b> <a href="mailto:norrihamabdullah@gmail.com">norrihamabdullah@gmail.com</a> 0199230102
19	<b>PBP19</b>	<b>SM IMTIAZ YT KUALA NERUS</b>	<b>THE EFFECTIVENESS OF "KIT SEMAK QIBLAT MUDAH (SQMKIT)" IN ENHANCING STUDENTS KNOWLEDGE ON THE TOPIC OF PRAYING "SOLAH" WITH INTEGRATING S.T.E.M EDUCATION THROUGH PRACTICAL ACTIVITIES</b>	<b>Fannas Malek</b> <a href="mailto:fannasfalak12@gmail.com">fannasfalak12@gmail.com</a> 0139108505
20	<b>PBP21</b>	<b>SM IMTIAZ BESUT</b>	<b>ALLURE HYDRAULIC LIFT</b>	<b>Wan Ramlah Mamat</b> <a href="mailto:misswarma@gmail.com">misswarma@gmail.com</a> 0199342848
21	<b>PBP23</b>	<b>UNIVERSITI KEBANGSAAN MALAYSIA</b>	<b>IMPROVING SKILL OF WORD SEARCH AND SELECTION USING PLECO DICTIONARY</b>	<b>Muhammad Afiq Che Lah</b> <a href="mailto:afiqclhib@gmail.com">afiqclhib@gmail.com</a> 01133073479
22	<b>PBP24</b>	<b>SM IMTIAZ YAYASAN TERENGGANU BESUT</b>	<b>SOLVING PROBLEMS INVOLVING ENERGY AND ELECTRICAL POWER BY USING THE POCKET NOTES METHOD FOR FORM 5 AL-KISAIE STUDENTS</b>	<b>Zahidah Mohamad Amin</b> <a href="mailto:zahidah275@yahoo.com">zahidah275@yahoo.com</a> 0199392785
23	<b>PBP25</b>	<b>SMK RANTAU PANJANG</b>	<b>MAKE YOUR OWN FIRE EXTINGUISHER</b>	<b>Azlini Ismail</b> <a href="mailto:g-68102426@moe-dl.edu.my">g-68102426@moe-dl.edu.my</a> 01112161398

24	<b>PBP26</b>	<b>SMK DATO' HAJI MOHD SAID</b>	<b>THE EFFECTIVENESS OF "TEKNIK PECABUNG" TO SOLVE SYSTEM OF LINEAR EQUATIONS IN THREE VARIABLES AMONG UPPER SECONDARY STUDENTS</b>	<b>Amalina Idris</b> <a href="mailto:amal1804@yahoo.com">amal1804@yahoo.com</a> <b>0136613458</b>
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## POSTER PRESENTATION SCHEDULE

**INTERNATIONAL CONFERENCE IN SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (3<sup>rd</sup> ICSTEM 2021)**

**13 - 14 SEPTEMBER 2021 | MONDAY - TUESDAY**

Theme			Others	
Link			<a href="#">Poster Gallery Others</a>	
No.	Poster Presenter ID	Organization	Title	Presenter
1	POT01	IPGK KENT	ISSUES AND CHALLENGES IN THE IMPLEMENTATION OF PBD IN STEM EDUCATION	Rosnah@Nining Sidek <a href="mailto:niningrosnah@gmail.com">niningrosnah@gmail.com</a> 0138767632
2	POT02	KOLEJ MATRIKULASI NEGERI SEMBILAN	TELANGCATOR – A NATURAL ACID-BASE INDICATOR FROM BUTTERFLY PEA FLOWER	Ummi Kalthum Mansor <a href="mailto:ummikalthum@kmns.matrik.edu.my">ummikalthum@kmns.matrik.edu.my</a> 0173877408
3	POT03	SEKOLAH KEBANGSAAN JALAN 3	A SYSTEMATIC REVIEW ON GENDER RESPONSIVE IN STEM EDUCATION	Syahrul Nizam Md Nordin <a href="mailto:P108751@siswa.ukm.edu.my">P108751@siswa.ukm.edu.my</a> 0125776321
4	POT04	INTERNATIONAL UNIVERSITAS ESA UNGGUL	DETERMINANTS OF HEALTH BEHAVIOURS IN SCHOOL AGE CHILDREN AND QUALITY OF LIFE	Gisely Vionalita <a href="mailto:gisely@esaunggul.ac.id">gisely@esaunggul.ac.id</a> 6281219606605
5	POT05	KOLEJ MATRIKULASI PULAU PINANG	INTERACTIONS ON MATRICULATION STUDENTS ONLINE LEARNING SATISFACTION	Muhammad Hafiz Kamilin <a href="mailto:hafiz@kmpp.matrik.edu.my">hafiz@kmpp.matrik.edu.my</a> 01118807685
6	POT06	SMK BANDARAYA KOTA KINABALU	ROTACTOR GOLD IN STEM	Nadia Richard <a href="mailto:cikgunadia@gmail.com">cikgunadia@gmail.com</a> 01110182918

7	<b>POT09</b>	<b>KOLEJ MATRIKULASI KELANTAN</b>	<b>WAVE MACHINE</b>	<b>Ismail Yaacob</b> <a href="mailto:jkt7548@gmail.com">jkt7548@gmail.com</a> 0199857548
8	<b>POT11</b>	<b>SEKOLAH MENENGAH SAINS DUNGUN</b>	<b>THE EFFECTIVENESS OF POSTAL TEST OF EACH TOPIC IN IMPROVING FORM 4 STUDENT'S UNDERSTANDING IN THE TEACHING AND LEARNING OF BIOLOGY SUBJECTS</b>	<b>Nur Adira Natasya Ahmad Sabri</b> <a href="mailto:g-46478913@moe-dl.edu.my">g-46478913@moe-dl.edu.my</a> 01119316938





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