



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**SCHOOL OF COMPUTING**  
Faculty of Engineering

### Semester I 2021/2022

Subject : Technology and Information System (SECP1513)  
Task : POSTER on  
a. 4<sup>th</sup> IR  
b. Industrial Talk 1 by TM (Mon 1<sup>st</sup> Nov 2021)  
c. Industrial Talk 2 by CyberSecurity Malaysia (Tues 2<sup>nd</sup> Nov 2021)  
Title : Technology Information System and Fourth Industrial Revolution  
Due : 13/11/2021 (Saturday) - Submit softcopy (in pdf format) via e-learning.

**IR4.0 TECHNOLOGIES?**

The diagram shows a central factory icon labeled 'INDUSTRY 4.0' surrounded by nine circular icons representing different technologies: CYBERSECURITY, AUGMENTED REALITY, BIG DATA, AUTONOMOUS ROBOTS, ADDITIVE MANUFACTURING, SIMULATION, SYSTEM INTEGRATION, CLOUD COMPUTING, and INTERNET OF THINGS.

1. INTERNET OF THINGS
2. CLOUD COMPUTING
3. BIG DATA AND ANALYTIC
4. SYSTEM INTEGRATION
5. SIMULATION
6. ADDITIVE MANUFACTURING
7. AUTONOMOUS ROBOTS
8. AUGMENTED REALITY
9. CYBERSECURITY

Source: <https://www.i-scoop.eu/industry-4-0/>

**Industrial Talk 1 and 2**

**Industrial Talk 1: Technology Information System & 4.0 INDUSTRIAL REVOLUTION**  
Organized by: UTM  
Applied Computing, School of Computing, Faculty of Engineering, Industry Led Curriculum  
1<sup>st</sup> NOV 2021  
3.00 to 4.30 pm  
Speaker: Mr. Nazri Edham, Head of Product Design, TM Commercial  
Moderator: Muhammad Iqbal Tariq Bin Idris, TIS Lecturer  
Online Via webex by cisco  
QR Code: <https://bit.ly/3wXVXKA>

**Industrial Talk 2: Technology Information System & FOURTH INDUSTRIAL REVOLUTION**  
Organized by: UTM  
Applied Computing, School of Computing, Faculty of Engineering, Industry Led Curriculum  
2<sup>nd</sup> NOV 2021  
3.00 to 4.30 pm  
Speaker: Ms. Sarah Khadijah Taylor, Strategic & Project Manager, Digital Forensics Department, CyberSecurity Malaysia  
Moderator: Dr. Zatul Alwani Shaffiel, TIS Lecturer  
Online Via webex by cisco  
QR Code: <https://bit.ly/3wXVXKA>

Assignment 1 is a group assignment and is based on the 4<sup>th</sup> IR slides (slide 8) and the industries talk by TM and CyberSecurity.

**Instruction:**

- Students are required to prepare THREE posters on:
  - 4<sup>th</sup> IR
  - Industry Talk 1 by TM and
  - Industry Talk 2 by Cybersecurity
- For poster on 4<sup>th</sup> IR, each group is required to choose ONE of 4<sup>th</sup> IR Technologies (OTHER THAN Cloud Computing and Big Data Analytic). The content of 4<sup>th</sup> IR poster should include an introduction, description of the chosen technology, example and reflection (see rubric of poster).
- For industry talk, the poster should include an executive summary, introduction, content based on the issues discussed in the talk, and reflection (see rubric of poster).
- Each poster is 2% and the three posters will contribute 6% of the course assessment.
- Size of each poster is of A4 size. You may include diagram in your poster.  
Note: the most important content of your poster, is your own opinion and views.
- Every group should write the poster using your own words.
- At the bottom of the poster, include the names, matric card and photos of your group member.
- PLAGIARISM of the content is prohibited. If any of the content is known to be copied from other website/review/blogs, you will be given 0 mark.
- You can get photos/information from other resources, but you must include credits (in citation/link) to the original owners.

**Rubric for each poster**

Criteria	Excellent 10-7	Fair 6-4	Poor 3-0	WEIGHTAGE	MARKS
Informative and Attractive	<ul style="list-style-type: none"><li>Provide accurate and complete information (content).</li><li>All required information is presented in a logical order.</li></ul>	<ul style="list-style-type: none"><li>Some information (content) are incomplete, inaccurate, but presented in a logical order.</li><li>Very few required information are missing and presented in a logical order.</li></ul>	<ul style="list-style-type: none"><li>Most Information (content) are incomplete, inaccurate, or not presented in a logical order, making it difficult to follow.</li><li>Most required information are missing and not presented in a logical order, making it difficult to follow.</li></ul>	10	<div><div></div><div>X</div><div>10</div><div>10</div></div>
Contents	For Poster on 4 <sup>th</sup> IR – Report contents: Introduction, description of the chosen technology, example, Reflection			20	<div><div></div><div>X</div><div>20</div><div>10</div></div>

	For Poster on Industry Talk - Report contents: Executive Summary, Introduction, Content of Talk, way forward, Reflection etc.				
	• All contents included	• Included but not well covered	• Included but poorly covered		
Content Poster • Presentation • Graphic	• Very good presentation of content poster and well organized. • Use many graphics, pictures.	• Moderate presentation of content poster and well organized • Use moderate graphics, pictures.	• Lack of content poster and not organized properly. • Use inappropriate graphics or pictures.	10	<hr/> 10 X 10
Reflection	For Poster on 4 <sup>th</sup> IR - What is the motivation/insights/information did you gain on how the chosen technology helps human life in particular aspect? For Poster on Industry Talk - What is the motivation/insights/information did you gain from this industrial talk on how the innovation helps human life in particular aspect?			30	<hr/> 10 X 30
	• Excellent explanation of point 1 and 2.	• Fair explanation of point 1 and 2.	• Poor explanation of point 1 and 2.		
Design • Creativity • Color Harmony	• Excellent design with high creativity. • Presentation looks neat, professional and well-organized. • Images, pictures, and clip art and drawn artwork are mostly colorful and appropriate. • The layout is very creative.	• Moderate design with some creativity. • Presentation looks fairly, but follows the formatting rules. • Images, pictures, and clip art and drawn artwork are colorful. • Layout shows	• Design with lack of creativity. • Presentation looks untidy but violates some formatting rules. • Colors are inappropriate and artwork shows little creativity. • The layout is messy, disorganized or cluttered.	10	<hr/> 10 X 10

		some degree of creativity but is not organized logically and/or is cluttered.			
Organisation and Structure	<ul style="list-style-type: none"> <li>Structure of poster is interesting and organised very well, easy to understand.</li> </ul>	<ul style="list-style-type: none"> <li>Structure of poster is quite interesting and organised.</li> </ul>	<ul style="list-style-type: none"> <li>Most parts of the structure of poster is not really interesting and unorganised.</li> </ul>	10	<div> <div></div> <div>10</div> <div>X</div> <div>10</div> </div>
Text	<ul style="list-style-type: none"> <li>All text is easy to read.</li> <li>Use appropriate font size.</li> <li>Use not more than three different font styles.</li> </ul>	<ul style="list-style-type: none"> <li>Most text is easy to read.</li> <li>Use appropriate font size.</li> <li>Use more than three different font styles.</li> </ul>	<ul style="list-style-type: none"> <li>Some texts are difficult to read.</li> <li>Use medium font size.</li> <li>Use more than four different font styles.</li> </ul>	5	<div> <div></div> <div>10</div> <div>X</div> <div>5</div> </div>
Timeliness	<ul style="list-style-type: none"> <li>Report on time</li> </ul>	<ul style="list-style-type: none"> <li>Report one day late</li> </ul>	<ul style="list-style-type: none"> <li>Report more than one day late</li> </ul>	5	<div> <div></div> <div>10</div> <div>X</div> <div>5</div> </div>
				Total	/ 100