



**The 9th International Convention on Vocational
Student's Innovation Project (ICVSIP2024)**

Chiangmai Grandview Hotel & Convention Center

Chiang Mai, Thailand

27 – 30 August 2024

Science Based Technology College
Office of the Vocational Education Commission
Ministry of Education, Thailand

The 9th International Convention on Vocational Student's Innovation Project

Chiangmai Grandview Hotel & Convention Center, Chiangmai, Thailand

27 – 30 August, 2024

E-mail: sbtc.ovec@gmail.com

Important Dates

Full Paper Submission

Date: August 1, 2024

Note: 1 advisor for 1 project

Venue Details

Chiangmai Grandview Hotel & Convention Center, Chiangmai, Thailand

Address: 24 Chiangmai-Lampang Rd., Changpuek, Muang, Chiang Mai, Thailand 50300

Tel : 053-220-100

Fax : 053-221-602

Email: info@chiangmaigrandview.com

Website: www.chiangmaigrandview.com

Facebook: Chiangmai Grandview Hotel, Chiangmai Grandview Convention Center

Twitter: ChiangmaiGrandview

Instagram: Chiangmaigrandviewhotel

Call for Paper

All abstracts should conform to the required format and be send file (.docx) by e-mail. Submission shall pass the double-blind paper review first in order to be presented in the conference. All full paper submissions will be blind reviewed and evaluated based on originality, technical and/or research content/depth, correctness, relevance to conference, contributions, and readability.

Registration Details

All delegates are contact at Link / QR code: Google form.

Author Registration Includes

Participation in the Technical Program

Conference bag

Conference Document (E-book)

Participant Certificate

Conference Tracks

Engineering

Electrical Engineering
Electronic Engineering
Mechatronic Engineering
Automotive Engineering
Mechanical Engineering
Civil Engineering

Applied Science

Food Science and Technology
Bio-Agriculture Technology
Tourism Technology and Management
Information and Communication Technology
MICE & Event Technology Management
Wellness Tourism Technology Management
Animal Production Technology and Innovation
Crop Production Technology and Innovation
Agro-Industry Technology and innovation

Presentation Guidelines

1. Poster Presentation

Preparing Your Poster Presentation before the Conference

Your poster should cover the KEY POINT of your work. The ideal poster is designed to: -
Attract attention.

- Provided a brief overview of your work
- Initiate discussion and question
- The title of your poster should appear at the top about 25 mm (1") high.
- The author(s) name(s) and affiliation(s) are put below the title.
- Your poster should be A1 size.
- Carefully prepare your poster well in advance of the conference. There will be no time or material available for last minute preparation at the conference.

Onsite Information

Your poster must be posted at least 1 day prior to your presentation time and removed immediately after the session. If your poster is left behind, it will be discarded.

Poster printing

All authors must print and bring their posters with them to the conference.

2. Oral Presentation

Timing of Oral Presentation

10 minutes for presentation **5** minutes for Q&A

Submission of Presentation

All speakers must have their presentation on a USB and bring it to their assigned session room. It can be uploaded onto the session room's computer.

- **A : Engineering** 6.30 p.m.- 8.00 p.m. (27 AUG 2024)
- **B : Applied Science** 6.30 p.m.- 8.00 p.m. (27 AUG 2024)

During Your Presentation:

Each meeting room will have a laptop at the table. Once the presentation launched, the speakers will control the program, using a computer mouse or pointer (if any).

Format

1. The reference format has to be APA (American Psychological Association). (Details for references)
 - All Thai documents as references have to be translated into English. (Details for translation)
2. Authors have to follow the format of Abstract.
3. Abstract papers have to be set top and left margin of 1.5 inches (3.81 cm) and bottom and right margin of 1 inch (2.54 cm). The font has to be "**Browallia New**" and size of 14 points. The paper length is limited to 3 pages of the A4 paper. This includes figures, tables, references, and appendix.
 - 3.1 The title has to be centered as "**Browallia New**" and size of 16 points. It has to have an asterisk sign (*) to show article purpose in the footnote.
 - 3.2 Each paper has to present all author names without name title. The author names have to align right margin and has two asterisk signs (**) to show an academic position (if any) of all authors, affiliation of all authors and e-mail address.
4. Article content

Abstract articles have to consist of abstract, introduction, research methods, results, conclusion and references.

5. Figures, Charts, and tables have to be inserted in article content with numbering and citation. They must not concern piracy. The color has to be black and white tone and clear. Slides and drawing should be drawn by Indian ink or file formats (.JPEG and .GIF) or printed pictures from a laser printer.

6. Authors are asked for citing at 2-3 articles of Journal.

Coordinate Organization

Lamphun College of Agriculture and Technology Thailand

Tel: (66)5300-62522

Bureau of Vocational Education Standard and Qualification

Office of the Vocational Educational Commission, Ministry of Education

Ratchadamnoen Nok Road, Dusit , Bangkok, Thailand. 10300

Tel.(66) 2 026 5555 ext : 5003

E-mail: sbtc.ovec@gmail.com



Tentative Conference Program

The 9th International Convention on Vocational Student's Innovation Project (ICVSIP2024)

Chiangmai Grandview Hotel & Convention Center, Chiangmai, Thailand

27 – 30 August, 2024

Day 1 (27 August 2024)

02.00 - 05.00 p.m.	Registration and check in at hotel
02.00 - 03.00 p.m.	Orientation
05.30 - 06.30 p.m.	Dinner (hotel restaurant)
06.30 - 09.30 p.m.	Exhibition of student's preparation

Day 2 (28 August 2024)

07.00 - 08.00 a.m.	Breakfast (hotel restaurant)
08.00 - 09.00 a.m.	Registration and Group relationship Activities.
09.00 - 10.00 a.m.	Opening Ceremony <ul style="list-style-type: none"> ➤ Watch Science Based Technology College Video presentation. ➤ Welcome speech by The governor of Chiang Mai Province. ➤ Reporting Speech by Secretary-General Office of the Vocational Educational Commission. ➤ Opening remarks Minister of Ministry of Education. ➤ Student performances, student innovation presentations of Lamphun College of Agriculture and Technology ➤ Token a present of appreciate. ➤ Visit the exhibition. ➤ Press Conference
10.15 - 10.30 a.m.	Break
10.30 - 12.00 a.m.	1 st Session of Oral Presentation Room 1 : Engineering Room 2 : Applied Science
12.00 - 01.00 p.m.	Lunch
01.00 - 03.00 p.m.	2 nd Session of Oral Presentation Room 1 : Engineering Room 2 : Applied Science
03.00 - 03.15 p.m.	Break
03.15 - 05.30 p.m.	3 rd Session of Oral Presentation (Group 15-23) Room 1 : Engineering Room 2 : Applied Science

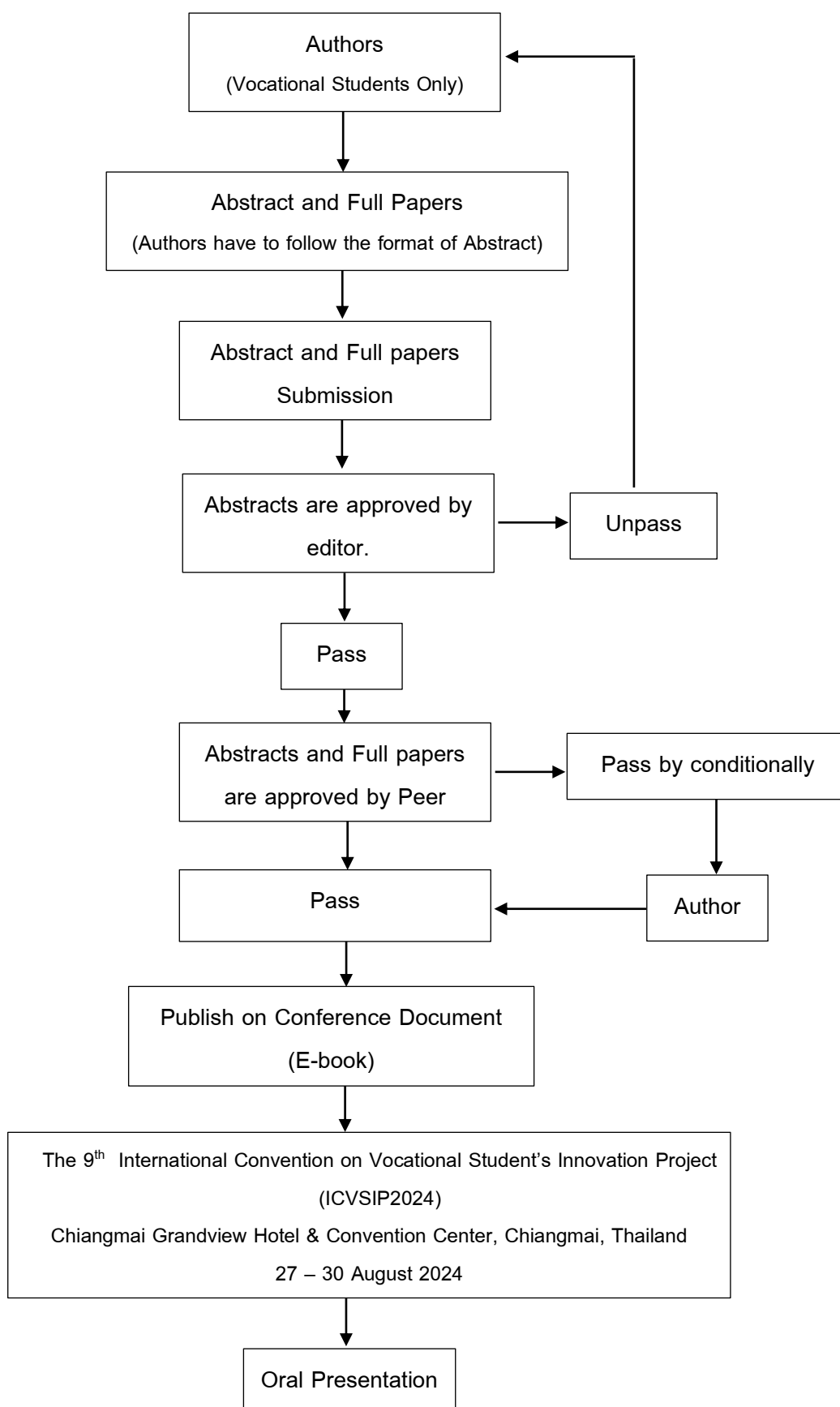
Day 3 (29 August 2024)

07.30 - 08.30 a.m.	Breakfast (hotel restaurant)
08.30 - 09.00 a.m.	Registration
09.00 - 10.00 a.m.	4 th Session of Oral Presentation Room 1 : Engineering Room 2 : Applied Science
10.00 - 10.15 a.m.	Break
10.15 - 12.00 a.m.	Presentation of innovations in Poster Section
12.00 - 01.00 p.m.	Lunch
01.00 - 03.00 p.m.	Presentation of innovations in Poster Section (continued)
03.00 - 03.15 p.m.	Break
03.15 - 05.00 p.m.	Visit Royal Park Rajapruek Chiang Mai
05.00 - 06.00 p.m.	Return to hotel
06.00 - 09.00 p.m.	Farewell, and award ceremony and performances from each school.

Day 4 (30 August 2024)

07.00 - 08.30 a.m.	Breakfast (hotel restaurant)
09.00 a.m.	Return to college.

Flow Chart of International Convention



Materials and Methods (Browallia New14 point bold)

Insert text here (Using 14 point normal)

Results (Browallia New14 point bold)

Insert text here (Using 14 point normal)

[illegible][illegible]

Insert text here (Using 14 point normal)

This image shows a full page of primary-ruled paper. It features multiple sets of horizontal dashed lines spaced evenly down the page, providing a guide for handwriting practice. The paper is otherwise blank, with no margins or additional markings.

Abstract Format

Abstract must to typing by Microsoft Office Program, not over 2016 version.

Page setup

- Left margin and top margin = 1.5 inch(3.81 cm.)
- Right margin bottom margin = 1 inch(2.54 cm.)
- **Not more than 3 pages of A4**

Main Section Heading

- Each main section of the paper begins with a heading which should be capitalized.
- Do not underline the section heading or put a colon at the end.

- 1. Title** Using Browallia New 16-point bold font with an uppercase in each alphabet except scientific name. The title should be centered at the top of page. The title is NOT underline or italicized.
- 2. Authors** Name - Surname (Using Browallia New 14 point normal) should be centered below the title. When more than two authors, the names are separated by commas except for the last which is separated from the previous name by the word "and"
- 3. Address** Address of institute, Telephone number, and E-mail address (Using Browallia New 14 point normal) should be centered below the authors.
- 4. Abstract** (14 point bold) On the first line of abstract should be a 1 tab. Your abstract should be in one paragraph, the major aspects of the entire paper in the following prescribed sequence; objective, the experimental design or methods used, results, data analysis, and conclusions. Your abstract should be between 150 and 250 words. (Using Browallia New 14 point normal)
- 5. Keyword**(14 point bold) List your keywords will help researchers find your work in databases. Should be centered below the address.(Using Browallia New 14 point normal)
- 6. Text** The sections of the paper are contains as 4 parts:
Introduction: Begin your introduction by clearly identifying the subject area of interest. It establishes the context, signification of the research, background information about the topic, a brief literature review, hypothesis, objective(s), and briefly explaining the methodological approach used to examine the research problem. (Using Browallia New 14 point normal)
Materials and Methods: This section should be explained of the study. How you carried out your experimental or sampling design, materials, and collecting data. (Using Browallia New 14 point normal)

Results: The body of the results section is a text-based presentation of the key findings which includes references to each of the Table and figures.

Organize the results section based on the sequence of Table and Figure. Key results depend on your questions. (Using Browallia New 14 point normal)

Discussion and Conclusion: Interpret your result in light of what was already known about subject of the investigate and explain our view understanding of the problem after you taking your results into consideration. The discussion will always connect to the introduction by way of the question(s) or hypothesis you posed and the literature you cited. Do not introduce new result in the discussion. (Using Browallia New 14 point normal)

7. References

To refer information sources you have used in your project and tell where the author got information to support your project or research, that's been written in APA citation style (American Psychological Association)

Book: Author. (Year).Title of book (Edition NOT the first edition).Place of publication: Publisher.

Journal: Author.(year). Title of article. Title of Journal. Year (Issue or part number), Page (first-last page numbers).

Thesis/Dissertation: Author. (year). **Title of Thesis/Dissertation.** Academic level of the author, Name of Institution.

Edited book: Author. (year). **Title of chapter or entry.** In A.Editor (Ed.), Title of book (Edition – not the first edition, Page). Place of publication: Publisher.

Newspaper: Author. (year, month, date). **Title of article.** *Title of Newspaper.*First-last page numbers (pp. xxx-xxx).

Electronic Sources/Media: Author. (year). **Title of article.** Retrieved month date, year, from <http://www.xxxxx.com>

8. Table and Figure

Figures are graphs, diagrams or illustrations/images. Tables are data presented in tabular form.

Ensure that column heads, axis labels, figure labels, and content are clearly. Titles should be located above tables and below figures and charts. Tables and figures should be numbered sequentially (with Arabic numerals) throughout the dissertation: Table 1, Figure 1, and so on.(**Please save picture (.jpg file) and attach your file with the journal**)

Poster Template



The 9th International Convention on Vocational Student's Innovation Project (ICVSIP2024)

Chiangmai Grandview Hotel & Convention Center, Chiangmai, Thailand

27-30, August 2024

Title for the Poster

Introduction

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Results

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Materials and Methods

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Discussion and Conclusion

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References

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Authors, E-mail

Address

Poster Format

Page setup

- Poster should be A1 size

Main Section Heading

1. **Title** Using bold font at uppercase in each alphabet except scientific name. The title should be centered at the top of page.
2. **Authors** Name – Surname should be footer of the poster. When more than two authors, the names are separated by commas except for the last which is separated from the previous name by the word “and”
3. **Address** Address of institute, Telephone number, and E-mail address should be below the authors.
4. **Text** The sections of the paper are contains as 4 parts:

Introduction: Begin your introduction by clearly identifying the subject area of interest. It establishes the context, signification of the research, background information about the topic, a brief literature review, hypothesis, objective(s), and briefly explaining the methodological approach used to examine the research problem.

Materials and Methods: This section should be explained of the study. How you carried out your experimental or sampling design, materials, and collecting data.

Results: The body of the results section is a text-based presentation of the key findings which includes references to each of the Table and figures. Organize the results section based on the sequence of Table and Figure. Key results depend on your questions.

Discussion and Conclusion: Interpret your result in light of what was already known about subject of the investigate, and explain our view understanding of the problem after you taking your results into consideration. The discussion will always connect to the introduction by way of the question(s) or hypothesis you posed and the literature you cited. Do not introduce new result in the discussion.
5. **References** To refer information sources you have used in your project and tell where the author got information to support your project or research, that's been written in APA citation style (American Psychological Association)

Book: Author. (Year).Title of book (Edition NOT the first edition).Place of publication: Publisher.

Journal: Author.(year). Title of article. Title of Journal. Year (Issue or part number), Page (first-last page numbers).

Thesis/Dissertation: Author. (year). **Title of Thesis/Dissertation.** Academic level of the author, Name of Institution.

Edited book: Author. (year). **Title of chapter or entry.** In A.Editor (Ed.), Title of book (Edition – not the first edition, Page). Place of publication: Publisher.

Newspaper: Author. (year, month, date). **Title of article.** *Title of Newspaper.*First-last page numbers (pp. xxx-xxx).

Electronic Sources/Media: Author. (year). **Title of article.** Retrieved month date, year, from <http://www.xxxxx.com>

6. Table and Figure

Figures are graphs, diagrams or illustrations/images. Tables are data presented in tabular form.

Ensure that column heads, axis labels, figure labels, and content are clearly.

Titles should be located above tables and below figures and charts. Tables

and figures should be numbered sequentially (with Arabic numerals)

throughout the dissertation: Table 1, Figure 1, and so on. **(Please save picture (.jpg file) and attach your file with the journal)**



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Chiangmai Grandview Hotel & Convention Center, Chiangmai, Thailand

27-30, August 2024

Submission Form

- **Name:** AI Mobility Traffic Crossing System
- **Article submission status:** (X) Student () Others
- **Institution:** Institute of Technical Education, ITE College East, Singapore
- **Address:** 10 Simei Avenue, Singapore 486047
- **Telephone number:** +65 65449324 **Mobile Phone:** +65 97640702
- **E-mail:** edry_hafiz@connect.ite.edu.sg
- **Types of research:** () Research articles
- **Category for contest:** () A Engineering
 - ☐ A1 Electrical Engineering
 - ☐ A2 Electronic Engineering
 - ☐ A3 Mechatronic Engineering
 - ☐ A4 Automotive Engineering
 - ☐ A5 Mechanical Engineering
 - ☐ A6 Civil Engineering
- (X) B Applied science
 - ☐ B1 Food Science and Technology
 - ☐ B2 Bio-Agricultural Technology
 - ☐ B3 Tourism Technology and Management
 - ☒ B4 Information and Communication Technology
 - ☐ B5 MICE & Event Technology Management
 - ☐ B6 Wellness Tourism Technology Management
 - ☐ B7 Animal Production Technology and innovation
 - ☐ B8 Crop Production Technology and innovation
 - ☐ B9 Agro-Industry Technology and Innovation
- **Research Title:** An inclusive pedestrian traffic crossing system using AI
- **This article:** () is my work only.
 (X) is my work and the other researchers. Total:⁴..... persons

●The name list as follows;

Name	PRAKASH S/O A DIVAKARAN (Advisor)	E-mail	prakash_divakaran@ite.edu.sg
Name	EDRY HAFIZ BIN AIDIL	E-mail	edry_hafiz@connect.ite.edu.sg
Name	MUHAMMAD SALMAN SYAH PUTRA S/O MUHD AFIQ ABDULLAH	E-mail	muhammad_salman_syah_putra@connect.ite.edu.sg
Name	NUR HINDRIYANI BINTE MOKTHAR	E-mail	nur_hindriyani@connect.ite.edu.sg

Note: 1 advisor for 1 project

The article should be;

1. Never published in a journal or presented in any academic conference before
2. This article is my opinion; the editorial department does not always have to agree.
3. Delighted to check the academic accuracy without asking the experts, who considered the article and willing to revise the article according to the expert's advice.
4. I do not copy or violate the copyrights of anyone. If any copyright violations occur, the editorial board of the Office of the Vocational Education Commission not affiliated.

(PRAKASH S/O A DIVAKARAN (Advisor))

Author

Please complete this form and return to
Lamphun College of Agriculture and Technology Host via
email : sbtc.ovec@gmail.com

By 15 May 2024



The Assessment for the Project Oral Presentation

The 9th International Convention on Vocational Student's Innovation Project (ICVSIP2024)

Chiangmai Grandview Hotel & Convention Center, Chiangmai, Thailand

27-30, August 2024

1. The criteria

1.1 Scientific Process	20	points
1.2 Academic Accuracy	15	points
1.3 Creation & Innovation	15	points
1.4 Presentation Skills	15	points
1.5 Question & Answer	10	points
1.6 Benefit of Project	20	points
1.7 Time Management	5	points
Total	100	points

2. Timing of oral presentation

10 minutes for presentation → Ring the bell 1 time and show "Time's up" sign

5 minutes for Q&A → Ring the bell 1 time and show "Time's up" sign

3. Submission of Presentation

All speakers must have their presentation on a USB and bring it to their assigned session room.

It can be uploaded onto the session room's computer.

- **A : Engineering** 6.30 p.m.- 8.00 p.m. (27 AUG 2024)

- **B : Applied Science** 6.30 p.m.- 8.00 p.m. (27 AUG 2024)

4. Announcement of the results

A : Engineering

- Winner	1	team
- First runner-up	1	team
- Second runner-up	1	team
- Honorable mention	5	teams

B : Applied Science

- Winner	1	team
- First runner-up	1	team
- Second runner-up	1	team
- Honorable mention	5	teams



The Assessment for the Poster Presentation

The 9th International Convention on Vocational Student's Innovation Project (ICVSIP2024)

Chiangmai Grandview Hotel & Convention Center, Chiangmai, Thailand

27-30, August 2024

1. The criteria

1.1 Scientific Process	20	points
1.2 Academic Accuracy	15	points
1.3 Creation & Innovation	15	points
1.4 Question & Answer	10	points
1.5 Benefit of Project	20	points
1.6 Presenting of Exhibition	20	points
Total	100	points

2. Timing of poster presentation

Start at 3.00 p.m. Students stand by at their poster exhibition.

3. Announcement of the results

A : Engineering

- Winner	1	team
- First runner-up	1	team
- Second runner-up	1	team
- Honorable mention	5	teams

B : Applied Science

- Winner	1	team
- First runner-up	1	team
- Second runner-up	1	team
- Honorable mention	5	teams