



**CREATIVE, INNOVATIVE PRODUCT AND
TECHNOLOGICAL ADVANCEMENT (CIPTA)
COMPETITION**

Guidelines for Local Participants

2023

LOCAL CATEGORY

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Local Categories 1, 2 and 3

1. Guidelines for Final Report Submission

All shortlisted participants are required to submit a full report of the work in soft copy to CIPTA 2023 Secretariat by **8 May 2023** by uploading the document at <http://conference.utb.edu.bn/cipta/>. The report must be in **English** and prepared using the CIPTA Report Template document. The report should be prepared using Microsoft Word.

2. Guidelines for Presentation/Demonstration

- a. Presenter(s) must register 30 minutes before their scheduled presentation.
- b. All presentations must be in English.
- c. The total time for each project presentation is 45 minutes which is broken down as follows:
 - 20 minutes - Presentation and demonstration*
 - 20 minutes - Questions and answer session*
 - 5 minutes - Set up and disassemble equipment.*
- d. LCD projectors and computer will be provided for the presentation.
- e. The presentation may also be in the form of actual demonstration and simultaneous explanation of the project.
- f. Software, hardware, models or full size of the product entered in the competition must be arranged/set up for inspection by the panel of judges before the presentation.
- g. Arrangement for display of the project should be completed in UTB a day before the judging competition.
- h. Final presentation, demonstration and judging will be from **16 May to 18 May 2023**.

3. Judging Criteria

The following marking criteria are used to evaluate the total score of the contestants in each category:

Local Category 1 - New Product, Process or Technology

Table 1 - Local Category 1 Judging Criteria

No.	Areas	Weightage (Maximum marks)
1	Novelty and creativity	
	<ul style="list-style-type: none"> • Degree of novelty • Creative application of technologies 	15 15
2	Deployment of end product	10
	<ul style="list-style-type: none"> • Ease of manufacture or assembly 	10
	<ul style="list-style-type: none"> • User friendliness of product 	10
	<ul style="list-style-type: none"> • Features and functionalities 	
3	Relevance to theme	10
4	Social, economic and sustainable design considerations	
	<ul style="list-style-type: none"> • Value to society 	5
	<ul style="list-style-type: none"> • Potential for commercialisation and industrial application 	10
	<ul style="list-style-type: none"> • Sustainable product design 	5
5	Report & presentation	10
TOTAL		100

Local Category 2 - Modification of Existing Product, Process or Technology

Table 2 - Local Category 2 Judging Criteria

No.	Areas	Weightage (Maximum marks)
1	Novelty and creativity <ul style="list-style-type: none"> • Degree of novelty • Creative application of technologies 	10 10
2	Deployment of end product <ul style="list-style-type: none"> • Ease of manufacture or assembly • User friendliness of product • Features and functionalities • Working performance compared to alternatives 	10 10 10 10
3	Relevance to theme	10
4	Social, economic and sustainable design considerations <ul style="list-style-type: none"> • Value to society • Marketability • Sustainable product design 	5 10 5
5	Report & presentation	10
TOTAL		100

Local Category 3 - New or Modifying Existing Product, Process or Technology, by Young Inventors

a) Rubric for **new product, process or technology**.

No.	Areas	Weightage (Maximum marks)
1	Novelty and creativity	
	<ul style="list-style-type: none"> • Degree of novelty • Creative application of technologies 	15 15
2	Deployment of end product	10
	<ul style="list-style-type: none"> • Ease of manufacture or assembly 	10
	<ul style="list-style-type: none"> • User friendliness of product 	10
	<ul style="list-style-type: none"> • Features and functionalities 	
3	Relevance to theme	10
4	Social, economic and sustainable design considerations	
	<ul style="list-style-type: none"> • Value to society 	5
	<ul style="list-style-type: none"> • Potential for commercialisation and industrial application 	10
	<ul style="list-style-type: none"> • Sustainable product design 	5
5	Report & presentation	10
TOTAL		100

b) Rubric for **modification(s) to any existing product, process or technology**.

No.	Areas	Weightage (Maximum marks)
1	Novelty and Creativity	
	<ul style="list-style-type: none"> • Degree of novelty • Creative application of technologies 	10 10
2	Deployment of end product	10
	<ul style="list-style-type: none"> • Ease of manufacture or assembly 	10
	<ul style="list-style-type: none"> • User friendliness of product 	10
	<ul style="list-style-type: none"> • Features and functionalities 	10
	<ul style="list-style-type: none"> • Working performance compared to alternatives 	

3	Relevance to theme	10
4	Social, Economic and Sustainable design considerations <ul style="list-style-type: none">• Value to society• Marketability• Sustainable Product Design	5 10 5
5	Report & Presentation	10
TOTAL		100

All decision made by the panel of judges are final and no correspondence will be entered into.

4. Prizes

4.1 Category 1 and Category 2

The Local Categories 1 and 2 prizes consist of Winner prize, First Runner up prize and Second Runner up prize. In addition, there exist two consolation prizes for each category.

Winner prize

The winner of the competition will receive a certificate, a trophy, and a cash prize of **B\$ 6,000.00** and will be presented to the nominated entry from the merit list of the category if the entry fulfills the following criteria:

The Project must consistently meet the highest standards in all or most elements of the assessment and score an aggregate mark of **80% or more**. It must clearly demonstrate an exceptional understanding of engineering principles.

First runner up prize

First runner up prize of the competition is a certificate, a trophy with a cash prize of **B\$ 4,000.00** and will be presented to the nominated entry from the merit list of the category if the entry fulfills the following criteria:

The Project must consistently meet high standards in all or some elements of assessment and should score an aggregate mark of **75% or more**.

Second runner up prize

Second runner up prize of the competition is certificate, a trophy with a cash prize of **B\$2,000.00** and will be presented to the nominated entry from the merit list of the category if the entry fulfills the following criteria:

The Project must consistently meet good standards in all or most elements of assessment and should score an aggregate of **70% marks or more**.

Consolation prize

The consolation prize of the competition is a certificate with a cash prize of **B\$ 500.00** and will be presented to the nominated entry from the merit list of the category if the entry fulfills the following criteria:

The contestant must consistently meet average standards in all or most elements of assessment and should score an aggregate mark of **60% or more**.

4.2 Category 3

The Category 3 of Local competition consists of five prizes. These prizes are Winner prize, First Runner up prize and Second Runner up prize. In addition, there exist two consolation prizes.

Winner prize

The winner of this category will receive a certificate, a trophy, and a cash prize of **B\$ 3,000.00** and will be presented to the nominated entry from the merit list of the category if the entry fulfills the following criteria:

The Project must consistently meet high standards in all or most elements of assessment and score an aggregate mark of **80% or more**. It must clearly demonstrate an exceptional understanding of engineering principles.

First runner up prize

First runner up prize of the competition is a certificate, a trophy with a cash prize of **B\$ 2,000.00** and will be presented to the nominated entry from the merit list of the category if the entry fulfills the following criteria:

The Project must consistently meet high standards in all or some elements of assessment and should score an aggregate mark of **75% or more**.

Second runner up prize

Second runner up prize of the competition is a certificate, a trophy with a cash prize of **B\$ 1,000.00** and will be presented to the nominated entry from the merit list of the category if the entry fulfills the following criteria:

The Project must consistently meet good standards in all or most elements of assessment and should score an aggregate mark of **70% or more**.

Consolation prize

The consolation prize of the competition is a certificate with a cash prize of **B\$ 250.00** and will be presented to the nominated entry from the merit list of the category if the entry fulfills the following criteria:

The contestant must consistently meet average standards in all or most elements of assessment and should score an aggregate mark of **60% or more**.

4.3 Grand Prize

The grand prize of the competition is the prestigious Crown Prince's trophy with a cash prize of up to **B\$ 8,000.00** and will be presented to the overall outstanding contestant from both Local Categories 1 & 2 and ASEAN New Invention and Innovation Category only.

Winners from Categories 1 and 2 of the Local competition will be nominated by the Judges to compete with the winner from the ASEAN - New Invention and Innovation Category for the Crown Prince CIPTA Award provided he/she fulfills the following criteria:

The Project must meet or exceed high standards in all the elements of the assessment and should score an overall mark of **90% or more**. The project should not have any major or minor flaws. It must demonstrate the engineering principles in a superior way, particularly in how it anticipates and fulfills the needs of its potential users.



The CIPTA2023 Crown Prince's Trophy

5. Key Dates

Submission	Date
Report Submission	8 May 2023
Setting up of products for Inspection by judges	13 - 15 May 2023
Final presentation and Evaluation	16 - 18 May 2023

6. Product Display's Details, Hazards and Risk Assessment Form

- A Product Display's Details, Hazards and Risk Assessment Form will be sent out to participants asking for information on project information and presentation requirements.
- The form has to be submitted on or before **8 May 2023** to CIPTA 2023 Secretariat by uploading the document at <http://conference.utb.edu.bn/cipta/>.

7. UTB Confidentiality Agreement Form

- The form has to be submitted on or before **8 May 2023** to CIPTA 2023 Secretariat by uploading the document at <http://conference.utb.edu.bn/cipta/>.

8. Checklist for LOCAL Categories 1, 2 and 3

No.	Item	Deadline	Send to
1	Product Display's Details, Hazards and Risk Assessment Form	Monday, 8 May 2023, 5 pm (Brunei Time)	Upload to the link at http://conference.utb.edu.bn/cipta/
2	Softcopy of Final Report	Monday, 8 May 2023, 5 pm (Brunei Time)	
3	Signed Confidentiality Agreement between UTB and CIPTA 2023 Participants	Monday, 8 May 2023, 5 pm (Brunei Time)	