



Republic of the Philippines
BULACAN STATE UNIVERSITY
City of Malolos

BIDS AND AWARDS COMMITTEE FOR GOODS AND SERVICES

06 January 2020

Bid Bulletin No. 1
Modification in the Technical Specifications

This Bid Bulletin no. 1 is being issued to modify or amend items in the Bidding Documents for project **Supply and Delivery of Advanced Microcontroller Training Kit with Learning Management System** with reference no. G-2020-02. This shall form an integral part of the said Bidding Documents.

I. Technical Specifications (Annex 1)

| From | To |
|---|---|
| MICROCONTROLLER TRAINING KIT SPECIFICATION: <ul style="list-style-type: none">• 5 module STEAM programs for high school (Junior to Senior High School) and higher education• Consist of a toolbox (25 hands-on and easily assembled electronic projects)• Inclusive of 1 Day On-site Training• 1-year access to Online Platform for 30 Educators and 300 Students.• With Certificate of Achievement at the end of the course• With Educators and Student support*• Kits good for use for 300 students.• Cross-platform• Simple, clear programming environment• Open-source and extensible software• Open-source and extensible hardware• Fully-immersive educational capability• 25 hands-on experiments based on five themed modules | MICROCONTROLLER TRAINING KIT SPECIFICATION: <ul style="list-style-type: none">• 5 module STEAM programs for high school (Junior to Senior High School) and higher education (compatible with the microcontroller training kit)• Consist of a toolbox containing the components in the given list which are compatible with each other• With 25 hands-on experiments• Inclusive of 1 Day On-site Training• 1-year access to Online Platform for 30 Educators and 300 Students• Can issue Certificate of Achievement at the end of the course• With Educators and Student support• Kits for 300 students• Cross-platform for the online platform (can be used both for PC and/or mobile devices)• Runs on an open-source and extensible software• The hardware components are open-source and extensible. |

II. A. Technical Specifications (Annex 2)

| From | To |
|---|--|
| MICROCONTROLLER ENGINEERING KIT PRODUCT SPECIFICATION: <ul style="list-style-type: none"> • Ideal solution for university engineering students and secondary school with introduction to engineering course • State-of-the-art and hands-on incorporation of Microcontroller designed for students, professors and makers • Consist of 3 cutting-edge microcontroller-based projects • Covers system modeling, controls, image processing, robotics and signal processing • Inclusive of 1 Day On-site Training • Users will receive access to the online platform for One (1) year and can purchase additional licenses to extend platform access. 1 Year Access to platform is for 10 Educators and 30 Students. • Kits Good for use for 30 Students. | MICROCONTROLLER ENGINEERING KIT PRODUCT SPECIFICATIONS: <ul style="list-style-type: none"> • With 3 microcontroller-based projects • With contents covering system modeling, controls, image processing, robotics and signal processing • Inclusive of 5-day training (1 day on-site for platform and 4 day on-site for the content trainings) • Users will receive access to the online platform for one (1) year and can purchase additional licenses to extend platform access. • Kits for 30 Students. |

III. B. Quantity of sets for Annex 2

| From | To |
|---------|---------|
| 20 Sets | 10 Sets |

IV. Technical Specifications (Annex 3)

| From | To |
|---|--|
| EASILY SNAP TYPE INTEGRABLE BLOCK TYPE ROBOT EXPERT KIT PRODUCT SPECIFICATION: | SNAP-TYPE INTEGRABLE ROBOT EXPERT KIT PRODUCT SPECIFICATIONS: <ul style="list-style-type: none"> • Consist of 3-part module: SETUP, INPUT and OUTPUT |

| | |
|---|--|
| <ul style="list-style-type: none"> • Modular physical computing tool that can help improve computational thinking skills in easy and fun ways • Consist of 3 parts of a module: SETUP, INPUT and OUTPUT • Make use of GUI and CUI programming language • Plug & Play modules • Write codes using Compatible IDE (intuitive Drag & Drop coding tool) • IoT capability using smartphone application • Inclusive of 1 Day On-site Training • Free Perpetual Online Access to Platform and Digital Educational Resources • Kits good for use for 60 Students | <ul style="list-style-type: none"> • Can make use of GUI and CUI programming language • Plug & Play modules • Can write codes using Compatible IDE (intuitive Drag & Drop coding tool) • IoT capability using smartphone application • Inclusive of 1 Day On-site Training • Free Perpetual Online Access to Platform and Digital Educational Resources • Kits good for use for 60 Students |
|---|--|

V. Additional Requirement

| From | To |
|---|---|
| Additional Documents: 1. Brochure / catalogue of the item being offered 2. Picture of actual item/s to be delivered 3. ISO Certification of Manufacturer 4. Manufacturer's Authorization Form or Certificate as Authorized Distributor/Reseller or Certificate of Registration as Manufacturer/ Fabricator 5. Warranty Certificate 6. Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU) | Additional Documents: 1. Brochure / catalogue of the item being offered 2. Picture of actual item/s to be delivered 3. ISO Certification of Manufacturer and/or other equivalent certification 4. Manufacturer's Authorization Form or Certificate as Authorized Distributor/Reseller or Certificate of Registration as Manufacturer/ Fabricator 5. Warranty Certificate 6. Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU) |

This Supplemental/ Bid Bulletin no. 1 is issued this 6th day of January, 2020 for guidance and information of all concerned.

Bids and Awards Committee for Goods & Services

ENGR. DONALD M. LAPIGERA