**Advanced Control Education Kit**

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| C:\Users\ACER\Desktop\Capture.PNG | **Name of the equipment:**  MicroLab Box DSpace  **Make & Model:**  DynaFusion Technologies & ACE\_MLBX\_1302T  **I-Stem Registration ID-**  3236736  **Category of Instrument**  Controller  **Types of Analysis / Testing**  Controlling and Testing  **Application:**  Controlling, Testing and Measuring Tool |

**Booking Details**

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| **Book through I-STEM:**  <https://www.istem.gov.in/>  **Slot Booking Link**  [I-STEM Slot Booking link for External User](https://www.istem.gov.in/equipment-info/36736/Advanced-Control-Education-Kit) | **Booking available for**  Internal and External Both  **Requisition form for**  Internals  Externals |

**Contact Details**

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**Description and Technical Specifications**

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| **Description of Instrument:** An ACE (Advanced Control Education) kit MicroLab Box is a bundled hardware and software package from [dSPACE](https://www.dspace.com/en/pub/home/applicationfields/ind-appl/researcheducation/acekits/ace-kit-microlabbox.cfm) designed for educational and research purposes in the field of control systems. It provides a compact, versatile platform for developing, testing, and prototyping real-time control systems. |  |
| **Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)**   |  |  | | --- | --- | | Type | Top Panel Variant with BNC Connectors | | Sensor supply | 1 x 12 V, max. 3 W/250 mA (fixed)  1 x 2 ... 20 V, max. 1 W/200 mA (variable) | | Memory | 1 GB DRAM  128 MB flash memory | | Power supply | 100 ... 240 V AC, 50 ... 60 Hz | | Power consumption | 125 W | |  |

**User Charges Rs. (GST Extra)**

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| **Internal** | **External Academic Institutes** | **National R&D Lab** | **Industry** |
| 200/- per hour per person | 300 + 18%GST per hour per person | 300 + 18%GST per hour per person | 800 + 18%GST per hour per person |