**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** InternalsExternals |

**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)**

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| 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 DRAM128 MB flash memory  |
| Power supply  | 100 ... 240 V AC, 50 ... 60 Hz |
| Power consumption  | 125 W |

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**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 |