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| https://intelitek.com/wp-content/uploads/2020/01/A_R_ScorbotER4U_350x297.jpg | **Name of the equipment:** **SCORBOT ER-4U ROBOT**SCORBOT ER-4U ROBOT**Make & Model:**INTELITEK, ER-4U & 160146421-006**I-Stem Registration ID-** **3224930****Category of Instrument**(Advanced Manufacturing facility / Characterization and Testing / Computational Facility / Bioscience and Technology / Sample preparation)**Types of Analysis / Testing -** NA**Application:** 1. Used in automated storage and retrieval system
2. Automated workcell application such as robotic welding, machine vision and in CNC machine

**Description of Instrument**The ScorBot ER-4U is a versatile and reliable system for industrial robotics training and education. The ScorBot ER-4U robot arm can be mounted on a tabletop, pedestal or linear slidebase. The robot’s speed and repeatability make it highly suited for both stand-alone operations and integrated use in automated workcell applications such as robotic welding, machine vision. |

**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/24930/Scorbot-ER4U-Robot-with-accessories) | **Booking available for**Internal and External Both**Requisition form for** [Internals](https://randc.nitc.ac.in/pdf/instruments/bsed/Internal-Samples-Requisition-Form.pdf)[Externals](https://randc.nitc.ac.in/pdf/instruments/bsed/Updated-External-Samples-Requisition-Form.pdf) |
| **Faculty In-charge:** Dr. Sudheer A P**Email ID:**apsudheer@nitc.ac.in**Phone number:** +91-9961450987 | **Contact Details****Technical Staff:** Mr. Sasi K K kksasi@nitc.ac.in 9447635438Mr. Robin M Drobinmd@nitc.ac.in 8281045855 | **Department -** MED**Office Email ID**medoffice@nitc.ac.in**Location**Mechatronics/Robotics laboratory CAD/CAM Centre Building**Lab Phone No**………………………………. |

**Features, Working Principle and Specifications**

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| **Features of the equipment**1. 4 Degree of freedom
2. Vertical articulate design
3. Integrated teach pendant
4. Support multiple Programming methods
 | **Unique features/Measurement capabilities, if any**1. Support third-party controllers ( Arduino & Raspberry pi..)
2. Ideal for STEM/Robotics training
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| **Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)**1. Repeatability: ±0.5 mm
2. Max Payload: 0.5 kg (1.1 lbs)
3. Reach: Approx. 500 mm
 | **Measurement/Sample specifications:** * NA
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**Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions**

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

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| **Internal** | **External Academic Institutes** | **National R&D Lab** | **Industry** |
| 600/- per hour | 600+18% GST per hour | 600+18% GST per hour | 600+18% GST per hour |