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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](mailto:apsudheer@nitc.ac.in)  **Phone number:**  +91-9961450987 | **Contact Details**  **Technical Staff:**  Mr. Sasi K K  [kksasi@nitc.ac.in](mailto:kksasi@nitc.ac.in)  9447635438  Mr. Robin M D  [robinmd@nitc.ac.in](mailto:robinmd@nitc.ac.in)  8281045855 | | **Department -** MED  **Office Email ID**  [medoffice@nitc.ac.in](mailto: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 |
| **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 |

**Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions**

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| * NA |

**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 |