




EQUIPMENT AND FACILITIES

of Jawaharlal Nehru University
 offered for joint use
 to SUNRAISE Partner-universities



| SNo | Title *purchased with the SUNRAISE financial support | Description | Photo |
|-----|--|--|--|
| 1. | *Workstations Computing facility | - A laboratory with computing facility is developed for the satellite data processing and geospatial analysis. The laboratory has access to all kind of spatial datasets via web-link. |  |







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| 2. | Handheld GPS | Multiple units of handheld GPS are maintained for the frequent field work wherein geo-tagging is required. |  |
| 3. | Fisheye Lens (8-15mm F/42) | A DSLR (digital single-lens reflex camera) mountable fish eye lens are available for forest inventory related activities. It is now being also used for the urban fabric composition. |  |






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| 4. | Willey Mills (3SS Sieves) | The Willey mills sieve is available with hard tool steel knives bolted to a removable rotor for preparation of samples for soil and plant (leaves and wood) analysis. |  |






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| 5. | Hot Air Oven | Hot air oven is used to sterilize the equipment and other materials that are used in a laboratory. These also being used to use dry heat to sterilize for the soil and plant part analysis. |  |






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| 6. | Kjeldahl Analytical set-up | A complete set-up of Kjeldahl method, is available which is widely used for estimating the nitrogen content of foodstuffs, fertilizers, and other substances, including soil and plant parts. |  |






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| 7. | Digester Kjeldahl | Multiple digester is available for the Kjeldahl – it break downs the bonds that hold the polypeptides together. |  |






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| 8. | Electronic weighing machine | The weighing scale/machine is widely used for the preparation of solutions for chemical analysis and related experiment. |  |






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| 9. | Titration - analytical set-up | Multiple units of Titration analytical set-up with pre-requisite chemicals is available for wide range of experimentation wherein the quantity of a reactant in a sample is to be determined. |  |






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| 10. | Magnetic Stirrer | A stationary electromagnet creating rotating magnetic field is available for the stir bar which is immensely used in liquid, quickly spin, or stirring or mixing a solution. |  |






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| 11. | Distilled Water Plant | Semi-Automatic Water Distillation Unit with capacity of around 5 liters per hour is available working throughout the day and having storage capacity as per requirement. |  |






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| 12. | Soxhlet extraction unit | Soxhlet extraction is used for extracting valuable bioactive compounds (nonvolatile and semivolatile organic compounds from solids such as soils, sludges, and wastes) from various natural sources. |  |
| <p>Terms of use: under the cooperation agreements all equipment and facilities for study and research are provided at no charge; payment for consumables is a subject to additional agreement on a case-by-case basis. Contact information: P K Joshi (Email: pkjoshi27@hotmail.com)</p> | | | |

