

Indian Institute of Space Science and Technology

Thiruvananthapuram



Details of Instructional and Research labs
under the
Department of Mathematics

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1 Machine Learning and Computing Lab

- **Floor Area:** 51 sq m
- **Overall capital expenditure:** 1 Crore
- **Major instruments/ equipments:** Workstations, desktops, projector
- **Objective of the lab:**
 1. Provide students with practical experience in implementing and experimenting with various Machine Learning algorithms and techniques and also to bridge the gap between academia and industry.
 2. To carry out cutting-edge research, innovate and improve Machine Learning algorithms to solve complex real valued problems.



Figure 1: Machine Learning and Computing Lab.

2 Programming Lab

- **Floor Area:** 130 sq m
- **Overall capital expenditure:** 17.3 Lakhs
- **Major instruments/ equipments:** Desktops, projector
- **Objective of the lab:** This lab has been utilized for conducting lab experiments for undergraduate courses for Aerospace and Avionics making them familiar with the computer tools and developing basic programming skills required for scientific and industrial purposes.



Figure 2: Programming Lab.