

**TECHNICAL SPECIFICATION FOR COMPUTERISED
BALANCE TRAINER PROPOSED TO BE PROCURED FOR THE DEPT. OF
REHABILITATION SCIENCES, JAMIA HAMDARD (Revised)**

1. The unit should be useful for Static & Dynamic balance assessment.
2. The equipment should be suitable for upper and lower extremities training therapy.
3. Should be able to do presentation of weight distribution in bimanual supporting, functional free sitting, symmetrical weight distribution and trunk and pelvis activities.
4. Should be useful for the improvement of active knee control, weight transfer, development of muscular strength and coordination of lower extremities & postural musculature.
5. Software should have the interactive therapy games for coordination.
6. Software should generate the reports with progress diagram including all data.
7. The unit should be supplied with the suitable configuration of the desktop computer/laptop for the full operation of the system.
8. System should have international safety standard i.e. CE/US FDA
9. Should be supplied with the power stabiliser of required rating.
10. Should have inbuilt calibration system before testing the individual for balance.
11. Should have facility to trace the COP shifts with time.
12. Software should have facility of protocol wizard, with which the user can create own customized testing protocols.
13. Systems should have various standardized balance testing protocols.
14. Patient weight capacity: should be more than 120kg.
15. Should have possibility to upgrade the balance software for testing and training, free of cost.
16. Should have possibility to create Database for persons and groups.
17. Should have possibility to store Test results for later analysis and comparisons
18. Should have possibility to Print test reports

DESIRABLE TECHNICAL SPECIFICATIONS (Not Mandatory)

1. System powered by the USB.
2. System has in built normative data.
3. Balance platform to be mounted on wooden platform with hand rails.
4. The system should have feature of connecting through blue tooth to computer for wire free use of the unit for lower limbs/upper limbs/core muscles.