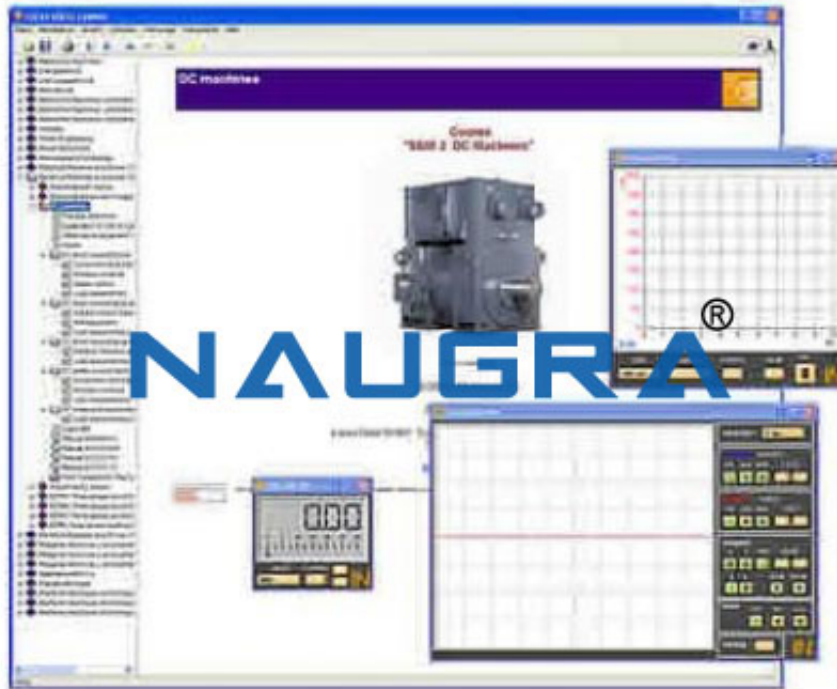


**Product Name :**  
Interactive Asynchronous Machines Kit**Product Code :**  
NEE -18-06-18-0138**Description :**

Interactive Asynchronous Machines Kit

**Technical Specification :**

Minimum Technical Specifications Required (like or better than):

- Experiment Module with stator and three-phase winding, run-up and operating capacitor and temperature sensor with constant current source
- 3 Rotors: squirrel-cage, permanent-magnet, rotor with open winding • Interactive Software

The Kit Should Cover the Following Training Contents

- Electromagnetic induction
- Motor and generator operation
- Static and rotating magnetic fields

- The components and design of three-phase machines
- Star connection, delta connection
- Measurements of line current and phase current and voltage
- Measurements of rotor current and voltage
- Nominal data, rating plate, cos phi
- Number of pole pairs, torque, rotation speed, slip
- Rotation reversal
- Rotary transformers
- Asynchronous machines
- Permanent magnet rotors
- Synchronous machines
- Squirrel-cage rotors
- Capacitor motors, Steinmetz circuit
- Power

Fault-finding

## Electrical and Electronics

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