

Department of Physics

A Report on

“In house Fabrication of Experimental Kits 2023-24”

This is the part of one of the Best Practice of Department of Physics. Students of B.Sc. Physics are inspired and motivated to learn and develop the experimental kits on their own. There is large number of experimental kits available in the market which cost a lot to the college and their purchase is difficult most of the time. Hence physics students are encouraged to develop kits in the department itself. All the raw materials are made available to the students group. Students are demonstrated the know-how and fabrication of the kits. Students follow the instructions and prepare the kits on their own.





For the session 2023-24, Five experimental kits have been prepared by B.Sc. I, B.Sc. II and B.Sc. III year students and have saved approximately Rupees 20950/-. The details of the experimental kits fabricated by the students are as follows:

| Sr. No. | Session | Name of Experimental kit fabricated in lab | Expenditure incurred in Rs. (Approx.) | Market Price in Rs. (Approx.) | Quantity prepared | Savings Per Item in Rs. (Approx.) | Total Savings in Rs. (Approx.) |
|---------------------|---------|--|---------------------------------------|-------------------------------|-------------------|-----------------------------------|--------------------------------|
| 1. | 2023-24 | Self Inductance of a coil by Bridge Rectifier method | 400/- | 4420/- | 01 | 4020/- | 4020/- |
| 2. | | Study of Transformer | 450/- | 4420/- | 01 | 3970/- | 3970/- |
| 3. | | Study of series LCR Circuit | 300/- | 3420/- | 01 | 3120/- | 3120/- |
| 4. | | IC Regulated Power Supply | 500/- | 5420/- | 02 | 4920/- | 9840/- |
| Total Saving | | | | | | | Rs. 20950/- |