

Academic, administrative and financial aspect of our centre

Course structure:

Our main target is to help student to grow interest in electronic and instrumentation. We will follow the style of our presentation in three steps.

- i. **Know your world :**
: In this section we will discuss about the history of the technological development. By some slide show we will present a chronological development of technology. We will show from the beginning of the discovery of fire by the ancient people to the space craft invention by the present day scientist.
- ii. **Get to know what the seniors are doing:**
: In this section we will try to simplify the working principle of some instruments. We will also tell the story of the major inventions and the inventors.
- iii. **Do and know by your self:**
: In this section we will show them how they can also do something by themselves. How a LED may be connected, how to connect a motor etc. be shown. We will start our discussion from here.

Some new text books etc. should be introduced to simplify some techniques. Hearing story is interesting for everyone. Discussion should be continued keeping it in mind. Subject like electronics and instrumentation has some specialty which should be carefully addressed. It is my experience as a teacher that in our regular course we are constrained to follow a predefined syllabus within a specific time frame. Generally we follow the bottom to top approach i.e discussion starts from the basic level and continues to the higher level. Most of the time we can not discuss the recent techniques which are extremely useful for day to day application in the commercial market due to shortage of time. Hence the students face difficulties in relating their academic knowledge to the practical application. Due this mismatch obviously their interest in electronics and instrumentation begins to degrade. Here instead of the bottom to top approach we will follow the top to bottom approach. First we will scan about the recent developments and then we will discuss the basic of these subjects. Students also get the scope to nurture their ideas and also to develop a good interaction. Any one who has some interest may join in this programme irrespective of his academic background. In future they may also be involved in any aspect of this field.

Terminology like sensors, actuators, transducers, signal processing should be introduced in a simple manner. It is my intuition many people are mostly not aware even of those terminology. We will find it will be a success even if the students be able to appreciate others who are working in this field or at least if they feel the importance of these types of works in their future life.

For the juniors this is my attempt. In future I have plan to do something regarding the administration, management and other philosophical aspects of these fields which may be useful for the seniors.

No of students : 50 per year and with increase of 2 every year

Branch Office : 05

Committee members : Around 20 persons are working as different committee members to monitors its functioning such as academic, administrative and finance aspect.

Staff :

Except from the group members there are few staff:

Teaching staff : 10 in number in different areas (part time basis), including our own members : all of the trainer must have Master Degree in Science or equivalent degree in other branches

Lab. attendant : 01

Office staff : 01

Accountant : Part time basis

Expected Budget:

Running cost (for 50 students)

Honorarium of the staff	Rs1.00,000/-
Training materials	Rs.50,000/-
Other maintenance	Rs.50,000/-
Space Rent	Rs.1,00,000/-
Total	Rs.3,00,000/- (i.e Rs.6000/- per student)

Expected Source of fund :

Contribution from the president (if needed maximum upto)	25 % of the budget
From different services like Repairing of instruments and others as mentioned in our site. And aslo **	50 -75 % of the budget
Earning from some beneficiaries, sponsor, donation and membership fees	25 % of the budget

** some other services

Doing some certificate courses
Organisation of seminar/lectures
Published article
Development of instruments
Taking up some R&D project

Excess Unbalanced fund if any, will be fixed deposited which will be used to procure one office space and other infrastructure for future expansion.

Asset :

We have some infrastructure of Rs.6.00 lakh

Books, CDs, and others : No . 400, Rs.3.00 lakh
Instruments collection : Rs.1,50,000/-
Components collection : Rs. 1,00,000/-
Furnitures and others : Rs. 50,000/-
Different circuits/design : Designed by us, cost is not estimated

Total RS. 6.00 Lakh

Space utilization of our centre :

Lecture Room	Lab Space (for 5 X 2)	Computer	Workshop PCB Design Lithography
Library	Store	Small R.&D	Seminar
President	Office	Staff	Care taker

Lay out of our centre

Space will be adjusted with total available space