1) **Tile of the practice:**

Designing, Assembling and debugging of Curriculum based Electronic Based Circuits.

2) **Goal:**

- Students are exposed to internal details of electronic circuits.
- Students are asked to debug experimental boards.
- Students are compelled to use data manuals of various electronic components.
- Students are free to use instruction manuals of various Instruments

3) **Brief Description:** Normally students are not aware of the designing facts of electronics Circuits which they are used in day- to-day practical lab. In addition to this, they are not knowing about identification, specification, testing, physical appearance and ideal characteristics of electronic components. Hence department of electronics decided to adapt the above said practice as a best practice in teaching learning process. Here,

4) **Practice and its Implementation**

- Upgrading, Testing,Debugging & Maintaining these circuits is a continuous process in the lab.
- Staff is effectively engaged in repairing and maintenance of home made experimental circuit boards

5) **Evidence of Success:** Designed units are tested with standard characteristics /data. Hence these units are used for practical purpose.

Advance learner student from B.Sc. 5th Semester Electronics 2017-18 "**Designed, Assembled and Study"** a Project on **'Amplitude Shift Keying'** Digital communication System.

Advanced learner students of **B.Sc sem IV are designed & assembled OP-AMP based monostable multivibrator board** for B.Sc.sem III students 2018-19. They also prepared experimental Manual for all the experiments of B.Sc.sem III & sem IV.

6) Problems encountered:- Sometimes electronic Components are not locally available.

7) Contact details:

Name of Principal : Dr. P. A. S. Naidu
Name of College : Dhote Bandhu Science College, Gondia
City : Gondia, Dist Gondia. (Maharashtra State)
Pin-441614
Accredited status : A+ (CGPA: 3.51)
Validity period: 28 March, 2017 – 27 March, 2022
Tel: 07182-252467, 252423 (O) , Fax: 07182-252467
Website: www.dbscience.org
E-mail: principal@dbscience.org
Mob. No.: 9423412712