

## BEST PRACTICE – 1

### 1. **Title of the Practice:** “Compulsory Computer Education”

2. **Goal:** The basic objective has been to make the students Skilled in Computer Education so that after graduation students can get better opportunities in Job Market or can make them self employable.

3. **The Context:** The Context: The step has been taken on the basis of our survey that has revealed the following:

- lack of computer proficiency among majority of students.
- poor performance of some students in computer application due to non conducive atmosphere at their home front.

### 4. **The Practice:**

- At the entry level into the Intermediate and Degree Programmes (B.A./B.Com.), each student is enrolled into Basic Computer courses at a very nominal price.
- Enrolled students are divided into different groups and classes are taken in accordance with their regular class routine so that students don't face any trouble in taking computer classes.
- Classes are taken in different Computer Laboratories of the college which is well equipped with more than 100 computers and a Smart Board.
- The faculty members of the Computer Department keeps close contact with the enrolled students for micro monitoring of them for ensuring better technical performances.
- Students have open access of the computer laboratories during office hours with high speed free internet facility.

### 5. **Evidence of Success:**

- Students have realized the benefit of computer literacy and more students are joining in different computer courses provided by the college.
- It is expected that this practice of the college will help the students in their future career in the present competitive world.
- It is also expected that this practice in the long run will enrich the academic reputation of the college.

6. **Problems Encountered and Resources Required:** It is found that majority of students are lacking of basic knowledge of computer use. Again, initially some students were found absent in computer classes after taking admission into the courses. However, this has changed gradually and

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students have started attending the same regularly as their attendance is strictly monitored by the authority.

7. **Notes** (Optional): Since the Academic Session 2019 2020 the Institution is making it compulsory for each student to take admission into any computer courses in the college such as MS-Office, Tally, DCA etc. However, if any student would not like to take admission in such courses, then they have given the option to take admission into any of the courses offered under Free and Open Source Software (FOSS) courses (Spoken Tutorial Project, IIT Bombay). In the academic year 2018 2019 the computer science department has (COC 286+ FOSS 1415) = 1701 students. However, in the beginning of the academic year 2019 2020, the number of students' enrollment in different COC decreased to 85 only. Hence, the authority has taken the decision to make compulsory computer education for the students of the college to enrich them with computer literacy. This initiative has helped in increasing the number of students enrollment in the department upto (COC 85 + FOSS 927) = 1012 in the second half of the session 2019 2020.

### BEST PRACTICE – 2

1. **Title of the Practice:** “GYAN VRIKSHA”– A mission to provide academic resources to the underprivileged schools and thereby to ensure eradication of academic disparity among privileged and underprivileged institutions.

2. **Goal:** Gyan Vriksha is a long term mission with the following goals –

- To adopt schools of this region and to provide necessary academic and infrastructural help to these underprivileged academic institutions.
- To bring the vast Library resources of the College to the doorsteps of the academic institutions of the region (Mobile Library under Gyan Vriksha Mission)).
- To provide the services of the Guest Lecturers at the institutions of the region.
- To undertake a sustainable drive to Popularize science and Mathematics in the region
- To popularize Astronomy among the masses in order to eradicate superstitions related to celestial events

3. **The Context:** The feeder region to this College is one such region where mostly the socio economically disadvantaged people dwell. Social unrest, poverty, susceptibility of the youths to the lure of anti social and anti national elements, superstition, witchhunt etc. are the major ailments that have been crippling the society. It is believed that Academic development of the region can solve these to a good extent. Being an academic institution with sufficient resources and trained manpower, it is our duty to help them.

4. **The Practice:** The Mission has a multifarious Character, and hence has multi dimensional activities of its different wings

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### (a) **Adoption of School:**

- MoUs have been signed with the schools.
- Students of the said schools are invited to the College and free coaching/ training are given on various topics of their need.
- Students from these schools are invited to Exposure Camps that are organized in the College and are given exposure to various fields.
- Helps are provided in establishing science laboratories in the schools
- Visiting lecturer are sent periodically to these schools

(b) **Mobile Library:** It is an Extension service wing of the College library. Interested institutions have to apply for and acquire Institutional Membership (free). On their request 50 books are provided to them (delivered in their door steps) on loan basis for one month. Spot Reading and Story Telling programs are organized for the kids in schools. The College Library after its last visit in the session of 2018-2019 at Bengmora Jatiya Vidyalaya, Tinsukia and Tinsukia Jatiya Vidyalaya, Gellapukhuri, Tinsukia, it visited in the session of 2019-2020 at Saumarjyoti Vidyalaya, Tinsukia on 03/01/2020 and issued 54 books.

### (c) **Knowledge Resource Centre:**

- Expert Man power, Guest faculties are provided to various schools on request.
- Proper experimental procedures are demonstrated
- Teachers are trained in their respective fields
- Exposure Camps are organized
- Disadvantaged schools are provided technical help to establish science laboratories.
- Free access to our digital resources is provided.

### (d) **Exposure Camps:**

- Held twice in a year, the Summer Exposure Camp and the Winter Exposure Camp. The camps are of duration ranging from one week to one fortnight.
- Selected students from various schools from the surrounding regions are invited to the camps with their teachers.
- Exposures to different fields viz. Humanities, Science and technology, Environment protection, sports, music, health care, Yoga etc. are provided.
- Topics of their syllabi are also discussed using various teaching aids.

### (e) **Popularization Camps on Science and Astronomy:**

- Organized in remote schools, clubs mainly in rural areas

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- Resource persons from the College go there and perform various day long activities to popularize science and astronomy among the masses, especially among the kids.
- During Eclipses activities are organized in a rigorous manner to remove misconceptions and eradicate superstitions.

### **5. Evidence of Success:**

- Phobias among the students about science and mathematics have been minimized.
- Interest in observational Astronomy have been growing
- Environmental awareness is on the rise
- Superstitions related to stellar events like solar eclipse have declined

### **6. Problems Encountered and Resources Required:**

- The College and persons involved in the mission have to bear a substantial financial burden in organizing Exposure camps, Popularization camps.
- Communication to the remote schools is an issue of concern as sometimes we find that the roads are not motorable. In such cases it becomes difficult to carry our instruments/ teaching aids.
- The Social backgrounds of some participating students are so poor that the motivations that they get in the camps are lost as soon as they enter their homes.
- The teachers of some schools are ill equipped and most of them are not trained.

7. **Notes** (Optional): During the Session 2019 2020, following initiatives have been taken under “GYAN VRIKSHA Mission” –

(a) Due to Covid pandemic situation, this year instead of 02 (two), 01 (one) Summer Special Camp for Higher Secondary Final Year Students (Arts and Commerce) was organized from 01.07.2019 to 12.07.2018.

(b) On the Occasion of National Science Day on 28.02.2020

- i. A Science Model Competition was organised where Students of different Schools of the district Participated. Prizes (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Group and Consolation Prize ) have been awarded with Certificates and Prize Money among the winning teams.
- ii. A Lecture Programme was organized on “Raman Effect” where the Principal of Women's College, Tinsukia displayed a Power Point Presentation and faculty member Dr. Bandita Phukan had given a presentation.
- iii. A ‘Science Exhibition’ was arranged in the Programme where visitors (mainly students and teachers) were shown various science related fun experiments that was aimed at generating interest and inquisitiveness among the students.

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(c) The Mobile Library, a unique concept run by the central library (to make its resources available at the doorsteps of other needy institutions) of the college has visited the Saumarjyoti Vidyalaya a girls' H.S. School of Tinsukia on 03/01/2020 and issued 54 book titles. Approximately 200 students were benefitted.

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