

# Best Practices

## Best Practice: I

### **1. Title of the Practice**

Midnapore College Centre for Scientific Culture

### **2. Objectives of the Practice**

To cater to the needs and requirements of the students having scientific bent of mind and with cravings for knowledge and understanding of the basic principles of Science, Midnapore College has taken initiative to run this Centre. In the locality, it is deemed as a 'Public Laboratory' which is open to those who are not educated in conventional educational system. The Department of Physics involves the students of our College and of other Colleges of the district to perform innovative experiments. Local Higher Secondary Schools are benefitted a lot by depending on this Centre for their day to day academic needs.

### **3. The Practice**

The Centre has its regular weekly programmes on Saturdays and Sundays to allow the stakeholders, particularly students and teachers to avail the opportunity in the Centre. The Centre does not impose tasks on the students rather they try experiments and undertake project experiment of their own choice. The Centre conducts Outreach Programmes in the Secondary and Higher Secondary Schools in the remote areas and teachers of the College are involved to give their expertise as far as practicable. Some UG and PG students demonstrate optical experiments on behalf of the Centre before a host of present College students to initiate and induce them to the Science behind miracles. Summer School Programmes are organized in which students and Physics teachers of different schools participate. This Centre as storehouse of experiments observes National Science Day every year in a befitting manner and seminars and workshops are organized inviting erudite resource persons from various colleges.

### **4. Outcomes**

The activities of the Centre are of immense use and most profitable for the final year physics Honours students of the College. The experiments done by the College students are used in the Summer Workshops organized by IAPI. Outreach Programmes organized under the stewardship of the convener and collaboration of Colleagues in remote schools have created science awareness among the students in Secondary and Higher secondary level which give them stimulus to pursue degree course in Science in college of their choice. Apart from the students' benefit this Centre also caters to the need of the local people. Programmes organized in rural belts instil in people scientific awareness to eradicate prejudices and superstitions.

1. 3-Day Workshop was organized at CET, IIT, Kharagpur from 7<sup>th</sup> -9<sup>th</sup> Jan- 2017. Video Recording of Presentations of 20 teachers on hands on activities related to Class VI standard was made.
2. Prof. C K Mazumder Memorial Workshop on Experimental Physics was organized from 21<sup>st</sup>-23<sup>rd</sup> January, 2017.
3. One Day Workshop was held at CET involving 15 First Year B.Sc students of Midnapore College who performed some non-conventional/ innovative and low cost experiments in

Physics at IAPT -Midnapore College Centre for Scientific Culture. A Workshop was then organized on 1<sup>st</sup> March, 2017 at CET in which they presented these experiments for recording.

4. Science Teachers' Orientation Programme was organized at Salboni N M Girls' High School from 27<sup>th</sup>-30<sup>th</sup> April 2017 involving 9 Secondary Schools.
5. Teachers' Training Programme was organized by R K Mission Sikshamandir, Belur from 2<sup>nd</sup>-5<sup>th</sup> May 2017. The Subject Experts of our Centre acted as the Academic Resource Persons in this Programme.
6. Hands-on-Practice for Science Teachers' from different Schools was organized jointly by our Centre and the Centre for Education Technology, IIT Kharagpur at Bharabpur Ramgati Vidyaniketan from 13<sup>th</sup>-16<sup>th</sup> May, 2017.
7. Teaching Learning Center, Centre for Educational Technology -IIT Kharagpur and LAPT-Midnapore College Centre for Scientific Culture (CSC) organized jointly **Active Teaching Learning Processes** on 29<sup>th</sup>& 30<sup>th</sup> July, 2017 at Midnapore College involving Class XII Students as well as Plus Two Physics Teachers. **Active Teaching Learning Processes** were also organized by the above three Centres in the presence of students of different Classes and Physics Teachers of the following Schools:
  - Nigamnagar NS High School (Higher Secondary), Adra, Purulia, WB from 3<sup>rd</sup>-5<sup>th</sup> August involving Class XII students and Plus two Physics teachers
  - Baita M N School (Higher Secondary), Purba Medinipur, WB from 6<sup>th</sup>- 8<sup>th</sup> August involving Class VIII students and Plus two Physics teachers
  - Contai, Purba Medinipur, WB from 13<sup>th</sup>- 15<sup>th</sup> August involving Class VIII students and Plus two Physics teachers
  - Kanailal Vidyamandir (French Section), WB from 16<sup>th</sup> -18<sup>th</sup> August involving Class VIII students and Plus two Physics teachers
  - Kultkri S C High School, Paschim Medinipur, WB from 25<sup>th</sup>- 28<sup>th</sup> August involving Class VIII students and Plus two Physics teachers
8. One Day Workshop was organized by CET IITKharagpur on 29<sup>th</sup> Nov 2017 where Dr. S C Samanta, acting President of our Centre was the ChiefSpeaker.
9. **Workshop on Experimental Physics** was organized jointly by the Department of Physics, Bhawanipur College, Kolkata and IAPT (RC-15) from 08<sup>th</sup>- 11<sup>th</sup> December, 2017 involving 1<sup>st</sup> year Physics Honours students from different Colleges of Kolkata. Subject Experts of our Centre took the major role as Resource Persons.

## 5. Impediments

The Centre is running, since its inception, through a lot of constraints both infrastructural and financial. It is situated in the building adjacent to the College but the space needed for keeping the instruments and running the experiments is limited. IAPT provides fund to equip the Centre with instruments. Midnapore College and D.S.T, Govt of West Bengal also give financial aid to the Centre. But in view of increasing demand of the Centre among the students of our College and other local academic institutions coupled with the interest of the common man of the locality, the Centre needs more instruments and better accommodation of them for free experiment and participation.

The former teachers of the department of Physics of the College give their unalloyed and voluntary service which strengthens the activities of this Centre. Teachers of the College and neighbouring schools who are also the alumni of our institution take utmost care of the Centre and push it through thick and thin.

## **Best Practice-II**

### **1. Title of the Practice**

Participative Management

### **2. Objectives of the Practice**

148 years old Midnapore College, since its inception in the pre-independent India, has been constantly trying to find out solution to all problems that the College faces on the way through a positive approach and a democratic way. True to the spirit and ideology of the pioneers of the institution, this premier Higher Education Institution redresses all problems and issues by involving all the stakeholders

For smooth administration of the College, the Principal gives equal importance to the counsels, suggestions and advice of the teaching and non-teaching staff, alumni, students and the local well-wishers. In spite of all these University Statutes, Government Orders and other rules of the West Bengal Government serve as guide to the administration of the College. The basic objective is to achieve College's academic excellence and execute best practices in social life and for this College authority invites from time to time suggestions of the stakeholders.

### **3. The Practice**

The College now under Autonomous system from the year 2014 follows strictly the UGC rules by convening Governing Body and Academic Council meetings regularly for taking decisions primarily. The Principal being the Head of the Institution convenes periodical meetings in which Heads of different departments of UG and PG share their views in making major academic decisions. The College adopts the strategy of conducting meeting of Parent- Teachers' Association, Alumni Association, Students' Council and several Sub- committees on regular basis to overcome all problems by taking their suggestions. The Student's Council comprises student members of all departments having highest score and percentage of attendance. They take part in all stirring activities of the College i.e. the celebration of the college Foundation Day, Annual Athletic Meet, Cultural Competitions, Annual Fest "Anandam" Student Seminars, Publication of College literary magazine 'Prangan' with the aid and advice of the section- in-charges.

### **4. Evidence of Success**

The commitment of all the stakeholders has helped the Institution to grow from strength to strength in the absence of long and lingering disputes. The Principal not being authoritative but being probative and democratic welcomes all grievances of all stakeholders, particularly of the students via email and offers smart redressal by placing the grudges and grunts in the Grievance Redressal Cell to find out effective way out. Sagacious and judicious suggestions of the fittest persons are taken into consideration above any partisan feeling. It is in tune with the spirit – 'Unite, the enemies are easily won'.

### **5. Problems Encountered and Resources Required**

It is not that in any institution birds of a feather flock together. Sometimes congruity and unanimity over an issue of the College are not feasible as persons like doctors differ and from the Principal to the peon cannot be of one opinion on a problem. But it is the heritage of the College that does the magic and all discords evaporate through persuasive talks. The College, in its long history, has never seen the perils of sine die or any great jolt in its day to day academic journey and has never disrupted lessons .

Under the Autonomous System, in the absence of the Students' Union, the Students' Council often inadvertently becomes defunct because of pressure of study and the stringent syllabus of Semester system. Sometimes these career conscious Students of UG & PG abscond meetings of the Students Council to keep pace with the huge corpus of syllabus to fare well in exam but the College authority takes initiatives to encourage them by allowing bonus attendance for such meetings and persuade them to develop leadership quality in them.