



Phone : 2627-2490 (College Off.)  
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# DR. KANAILAL BHATTACHARYYA COLLEGE

(Affiliated to the University of Calcutta)  
Re- Accredited with 'B' Grade by NAAC  
15, KONA ROAD, RAMRAJATALA,  
P.O. SANTRAGACHI, HOWRAH - 711104

Ref. No. ....

Date : .....

## **BEST PRACTICE-1**

### **TITLE OF THE PRACTICE:**

**“ENRICHED OUTCOME BASED EDUCATION THROUGH INDUSTRIAL EXPOSURE FOR THE EXCELLENCE OF GROOMING GRADUATES”.**

Memorandum of understanding ('MOU') between Dr. Kanailal Bhattacharyya College, Ramrajatala, Howrah-4 and TCG Life Sciences Pvt. Ltd., Block-BN, Plot-7, Sector-5, Salt Lake, Kolkata-91 was signed on 21/06/2019. The purpose is aimed at enabling exposure to their laboratory and research infrastructure for Bio Science students. This designated exposure would facilitate the students of Bio-Science applied curricular scope for the purpose of research with strategic emphasis applied domain and thus equipping the students to be groomed as professional Life Science students.

Another MOU and corporate linkage was signed on 19/02/2020 by the Principal of Dr. Kanailal Bhattacharyya College and CSR Project funding Head of TCG Foundations, 9B Wood Street 4<sup>th</sup> Floor, Kolkata-16. A fund of Rupees 3 Lakhs 30 Thousand approximately was given under this project by the industry for setting up of our Bio Science Laboratory for the Bio Science and Life Science students.

### **OBJECTIVES OF THE PRACTICE:**

- To organise visiting Bio Science students to the extent of nine per batch in the premises of TCG Life Sciences twice a year.
- To provide an opportunity to the students and faculty members of the college involving a laboratory visit with live demonstration of experiment followed by the presentation and career oriented discussion.
- To certify students and teachers for the purpose.
- The database of these students are both preserved by the college career counselling event organisation and placement cell and TCG



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**Life Sciences for future correspondence and job opportunities and recruitments after their completion of M.Sc.**

➤ **To provide the students with proper insights into industrial work experience for industry research development procedure related to designated objective**

- ❖ **Skill enhancement and promote education.**
- ❖ **To upgrade and modernise college infrastructure to attract more students to pursuing higher studies and careers in Bio Science Life Science.**
- ❖ **To encourage research mind set among students.**
- ❖ **To discover answer to questions through practical scientific procedure and set up a platform for exchange programmes.**
- ❖ **To encourage collaborative research with science based industries.**
- ❖ **The advanced instrumentation will help the students perform their research activities under the curriculum of CU and enriched and enhanced their individual proposal.**
- ❖ **This type of research laboratory is the first and foremost in the vicinity.**

## **THE CONTEXT:**

**We had to approach proper industry for the subjects required to be addressed like Zoology, Botany, and Physiology and got in touch with the right industry who is an epitome in this field and doing relevant research in the area. We had to orient the students regarding industrial work culture and ethics which was previously unknown to them. We also had to organise by yearly visit to the industry by the students for their maximum benefit. We also had to organise for student's proper certification and presentation by the industry for student's interest.**





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## **THE PRACTICE:**

The purpose of the MOU with the industry was to get an access to their laboratory and infrastructure in order to acquaint Bio Science students to advanced research dimensions in the field of Life Science as also to equip the students for being groomed as professional Life Scientist. For this we organise biyearly visit to the industry for the students of Zoology, Botany and Physiology 9+9=18 per batch every year for their industrial exposure and expertise and to know about the job opportunities in this field. The visit includes whole day tour with the students, teachers of the departments and Coordinator visiting their industry, laboratory and also getting an exposure to the presentation and talks by eminent scientists in this field. It is followed by career oriented discussions by the experts. The teachers and the students are also certified at the end of the day. The responsibility of transporting the students to the venue and bringing them back to the college is borne by the college. The main objective of NEP-2020 is to establish India as "A Global Knowledge Super Power" by providing quality education, by encouraging innovation and by cultivating sound research culture. This is exactly what we are trying to inculcate in our students.

The limitations that we face during the industry visit are –

- The student's awareness are inculcated for industry orientation which they are not aware of.
- We have to organise the visit in consultation with the industry people and scientists according to their schedule and availability of the laboratory, which needs prior permission.
- Limitations of ten students per batch is maintained for proper exposure to the industry.
- Transport facility is arranged by the college for student's interest which is again looked after by a particular teacher.
- Parental permission are required for the purpose.



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## **EVIDENCE OF SUCCESS:**

Students are happy and encouraged to get such an exposure from the industry and hope to work in such an esteemed organisation in the future. They have plans to do M.Sc. and Ph.D. which they are deciding with new vigour and energy. The attendance of the students of the general classes have gone up and they are concentrating on their projects with teacher's guidance as they want to do something innovative research in their life. Since their details are preserved with the company for future research and job opportunities they are encouraged all the more.

## **PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:**

Regular maintaining of the industry visit are to be maintained. For COVID-19 pandemic situation the visit to the industry for this year could not be accomplished which has to be done during the next year with two different batches at the same time. Other industrial ties like this esteemed organisation has to be created in future. Proper fund for further research and industrial visit or industrial fair in the college campus has to be allocated and thought about.

*K. Lahiri* 24/08/2021  
Principal  
Dr. Kanailal Bhattacharyya College  
Ramrajatala, Howrah-4





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## **BEST PRACTICE-2**

### **1. TITLE OF THE PROJECT:**

**“SYSTEM UP GRADATION OF LIBRARY SYSTEM FROM OFFLINE TO CLOUD BASE OPAC SYSTEM”**

### **2. OBJECTIVES OF THE PRACTICE:**

- To give access to users to the collection of Dr. Kanailal Bhattacharyya College institutional Library twenty-four hours.
- Surfing and saving selected books to be issued to cart online through their smart device.
- Checking availability of collection to be checked online.
- Making access of the institutional library collection global.

### **3. THE CONTEXT:**

- A step towards relevant acquaintance for a user to digital library management system which is a reality for all university and Research Institution Libraries.
- Some of the users or students are not able to use smart devices.
- Some of them are not that much financially sound to get a smart device.
- Sometimes they are losing interest due to lack of awareness.

### **4. THE PRACTICE**

- Online access to the collection and availability of books can be checked for twenty-four hours from anywhere in the Universe with a laptop or a smart phone with internet connection.
- Offline physical access is available Monday to Friday 10:00 A.M. to 5:00 P.M. Barcode system is also available to get direct access to the library URL.
- Relevant URL to get online access other important libraries of Universities and research organisation is also provided through our library website.
- Maximum possible dropdown is available to our surfing system to make our access to the collection easy.
- Membership card with barcode is also available.



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## 5. EVIDENCE OF SUCCESS :

- Information about the collection of a huge no. of around 14700 books excluding journals can be accessed through the system.
- URL of important online journals are available through our website
- Information about collection of offline journals can also be accessed online
- Maximum Users inclusive of student, teachers, and non-teaching staffs are able to surf books successfully through our online system.
- Barcode scanning system to get direct access to the library site is also successful.
- Record of the user satisfaction is also kept through online survey.

## 6. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

- Some of the users or students are not able to use smart devices.
- Some of them are not that much financially sound to get a smart device.
- Sometimes they are losing interest due to lack of awareness.
- Facing space problem to enhance collections.
- Desktops and Laptops are not enough.
- Proposed Digital Library work is also pending due to COVID-19 Lockdown.
- Trained Library staff is also required urgently. Fire safety system need to be updated.

*K. Lahiri* 24/08/2021  
Principal  
Dr. Kanailal Bhattacharyya College  
Ramrajatala, Howrah-4