PROJECT REPORT

- Ms. Poonam Singh, BHU

INTRODUCTION

I am Poonam Singh, working as Assistant Professor in Department of Statistics, Banaras Hindu University, Varanasi. I am working since 11 January 2016. This semester I will be teaching these two topics:-

- ➢ "Programming with C" to B.Sc. Semester V students.
- ➢ "Applied Statistics" to B.A. Semester III students.

In our university we follow traditional method of teaching. I have only two years of experience and never attended any training program that could guide us for the teaching methodologies that we can implement in our teaching process. I joined as Assistant Professor just after my masters' degree, so I was not at all aware about the different teaching methods and much many things. The only thing I tried to do was, I always tried to remove the cons that I faced during my college and school days. Whatever I used to find in my good teachers, I always tried to incorporate in my teaching methods. The only few experiences that I had to start my teaching career were the pros and cons that I learnt from my school and college teachers. But after attending this Induction Training Program, I am highly obliged to the coordinators of ITP who provided us such great platform. We learnt many things from here that completely changed my perception about teaching. I used to think that teacher is only to teach the content that is assigned to them and that is the only duty of a teacher for which they are paid by our government. But this is not as such. I learned here that:

- ➢ Teacher is not only to teach the content. As a teacher our job is to make them understand intrinsic skills and utilize them to the fullest so that our society may get benefited from it. Because now a days in the world of internet all the content is available online. Teacher is to make student understand that how to think, what to learn and to make them creative and develop new skills.
- ➢ I also came to understand that how to be a good instructor because in current scenario the role of teacher is completely changed to coach or instructor.
- ➢ Teacher is the person who is responsible for framing a good society. Because directly or indirectly teacher is the person who is responsible for framing a good society.

I have learnt many things but it is worth mentioning few of the things that I will be implementing after going back to my work place:

PEDOGOGICAL IDEAS:

After attending these 12 days Induction Training Program I will be implementing following teaching methods:

1. **Blended learning:** I was not all aware about this word but after attending ITP in IISERB, I came to know about blended learning which inspired me a lot. As this was my presentation topic. I studied and collected much information about this. This is the learning where traditional as well as online learning both are involved. To start new strategy, I think blended learning models are the easiest model to implement. I will start with the rotation model. First of all I will start with the lab rotation model. As I will be teaching "Programming with C", first two days of week i.e. Monday and Tuesday I will do the traditional learning and for next two days i.e. Wednesday and Thursday I will send them to the lab for practicing programs on whatever I have taught to them. I will also provide them online facility in lab (after talking to Head of department). So that they can watch online videos on YouTube as Prof. Kannan Modgalaya told us that there are many online videos available for study programming languages. I will also try to implement flipped classroom model during few of the topics where I will provide them online content (video links and pdf) and tell them to come well prepared the next day. I will conduct the programming or activity session next day so that if they have any problem they can freely discuss with me. In this way the time when they need their teacher the most I will be available to them.

2. **Socratic Method:** I was complete believer of the fact that I m good at traditional learning and this is the only method that we can apply In our teaching person. This ITP changed my perspective about teaching and learning. I will surely apply Socratic Method during my few classes. Dr. Kushal Shah's way of teaching inspired me a lot. I have learnt here that a student always learns by active learning not by passive listening. After passive listening when students reaches and tries to apply that during assignment he forgets most of the things. So it is most important to make our students get involve and let them discuss few of the topics themselves during the class. They will learn more and even we will also come to know about new thoughts and ideas of students.

3. **Inclusive Education:** Inclusive education means all the students are supported to learn, contribute and participate in all aspects of the life of college. I am much

more influenced by this. As many times knowingly or unknowingly we do not pay attention to the weaker section of the students. Due to which they feel neglected and do not perform well. Now onwards I will take care of this thing that there is no as such student. I will identify who are the students facing such types of problem and make them to sit at the front seat. During activity session I will take care of inclusiveness in the groups and make the groups which will include weaker and stronger section of students. So that if there are any problem to weaker students other students may help them. I will also try to motivate students about their future. And will also appreciate to the students who perform well.

Changes that I would like to implement:

- **Plan of assessment:** first thing I would do is : I will use the software **examineer.in** for the assessment purpose which will make my work easier and also students will learn and feel happy to do things by new process. I will also use **plicker** that was introduced by Mr. Sabarish to us. **Plicker** is the software that we can use for feedback to know our performance in the class.
- I will suggest to the head of department to conduct orientation program for the undergraduate students so to overcome the transition that students face when they move from the school life to the college life.
- I will adopt Socratic teaching and make use ICT tools.
- I will use Google forms for taking feedback from students.
- I will suggest our HOD to make at least one smart class in the department.

At last I want to thank all the coordinators of ITP (Dr. Ambar Jain, Dr. Madhumita Mukherjee and Dr. Kushal Shah) and also to CREATES TEAM for conducting such a program which completely changed the life of teachers who have attended. We will try to incorporate all the things that we have learned here in IISER-B.