

**PROJECT REPORT**

# **COURSE DELIVERY AND EDUCATIONAL PEDAGOGY TECHNIQUES**

**INDUCTION TRAINING PROGRAMME**

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## Project Brief:

1. What is the course you are teaching?
2. What changes you would like to make to the course curriculum and why?
3. What new ideas or methods inspired you at the ITP workshop that you would like to implement and why?
4. How will you implement the changes?

I have been teaching the subjects in the discipline of Architecture for the last 12 years, and in the coming academic session of 2018-19, I would be teaching the following subjects:-

- Architectural Drawing – I to the students of B. Arch I Year (Under-graduate)
- Construction and Materials – II to the students of B. Arch II Year (Under-graduate)
- Urban Design to the students of M. Arch I Year (Post-graduate)

The present curriculum, as it is designed, aims to deliver typically the basic concepts of each course such as Orthographic Projections, Free-hand lettering and dimensioning, Scales, Materials used in construction industry, Construction techniques in timber construction, Principles and Elements of Urban Design, etc.

These are typical one-semester (sixteen week) duration courses with 3-5 credits and 3-6 contact hours in a week of study. The basic teaching methodology that has been adopted presently is delivering lectures in the class (around one hour of engagement) and then following it up by assignments or preparation of sheets. The students are then assessed and marked accordingly, which in turn form their Internal Sessional Marks for the End-Semester Examinations.

Inspired by the ITP course, I would like to incorporate a lot of positive changes to the curriculum and in the manner that these courses are being taught presently in the University. I would somehow like to reduce the content and also fine-tune the content according to the present needs of the architectural industry and academics. The syllabus needs revision as it has been formulated a decade back; back then the requirements of the industry was different and in today's modern context, the construction techniques have evolved with so many new materials coming up and also, the present day teaching practices and aids are far more technology oriented than in those times.

Today the role of the teacher has changed from being a 'giver' of knowledge to more of a '**facilitator**'. There is an abundance of data and knowledge available to every student at the

touch of his hand, and we as teachers need to be more conscious of that. No more the age-old practice of delivering lectures continuously and then asking for assignments will work.

I plan to use the techniques learnt at the ITP Course to develop interest in the modern day students to come to the classroom and participate in the learning process. The process will be on 'learning' in the literal sense. I face a lot of difficulty in motivating the students to come to the classroom (they just come to the class for attendance requirements). This can only be overcome **by involving them in the class and adapting my teaching style to the needs of the students.**

Some of the new ideas and methods that I would like to implement in my teaching style are:-

1. **Ice-breaker sessions** to gain useful insight about the students and also allow the students to freely mix with each other.
2. Important to use **advantage of technology** in my lecture style – use of videos, graphs and table to give a better understanding of the subject.
3. **Blended method of learning**, i.e. traditional teaching and ICT supported learning, both online and offline.
4. Group formation among students – to encourage discussion and mutual learning and **collaborative study**.
5. **Socratic discussion** style of teaching can be used in Post-graduate students to undoubtedly benefit them and connect their missing dots.
6. Application of **Bloom's Taxonomy** in my lectures and focus on its aspects.
7. Creating and using **analogies**.
8. Taking students out to **field visits** and construction yards, for first-hand experience and letting them build, play and learn with their own hands.
9. Using simple 'lego' blocks or clay or thermocol, for making small scale model of designs which will help **in building their visualizing power**.
10. **Continuous and summative assessment** of students, and focus on telling mistakes and how to overcome them.
11. Using **assessment and class-management systems** like 'Moodle', 'Examineer', etc. to effectively manage my course and class, and use the available time for discussion with students.
12. In some cases, **flipped learning** technique can also be used to create an advanced learning atmosphere.
13. Understanding **behavioral responses** and psychology of students (especially Under-graduate students) is also a major point of effective learning.
14. Catering to the needs of the specially-abled students and using **Inclusive Model of Teaching** is very important in today's context.

I have also learnt a lot about the utility of research and web tools including hands-on experience of software for the academic community which has broadened my horizon. The visit to the Central library helped me to learn about the effective management of academic repository. The lectures on administration and governance helped me to know about the rules and regulation which are the backbone of a successful organization. The implementation of the principles of dedication, accountability and transparency will provide me with a progressive approach in my future professional life.

In the end, I would like to congratulate the entire team of CREATES for successfully and effectively organizing such an important Training Program. I would also like to express my gratitude to my Department and University for allowing me to participate in the same.

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