

7.2.1_SIT_best practices1_2018-2019


Index

Best practice 1

Title: Incorporation of Experiential Learning in teaching learning to improve understanding of the concept and handle practical problems in their professional life.

Sl no.	List of documents
1	Photos of displaying the model
2	Mail communication to students explaining the task
3	Screenshots of google class room explaining the task
4	Notice of presentation




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1. Title of the Practice

Incorporation of Experiential Learning in teaching learning to improve understanding of the concept and handle practical problems in their professional life.

2. Goal:

Students should be able to reflect on their own learning, bringing “the theory to life” and gaining insight into themselves and their interactions with the world.

3. The Context:

In its simplest form, experiential learning means learning from experience or learning by doing. Experiential learning is also built upon a foundation of inter disciplinary and constructive learning. How one student chooses to solve a problem will be different from another student, and what one student takes away from an experience will be different from the others. In experiential learning, the student manages their own learning, rather than being told what to do and when to do it. The relationship between student and instructor is different, with the instructor passing much of the responsibility on to the student. Experiential learners are aware of the “rules” governing their discipline or mode of operation, but are also open -minded, and able to work with people with different views. Finally, experiential learners are in control of their voice—they can identify the role of emotion in their learning, as well as reflect on how they have come to their new knowledge.

4. Practices

Experiential learning is divided into two major categories: field -based experiences and classroom -based learning. Field -based learning includes internships, practicums, cooperative education, and service learning. Classroom -based experiential learning can take a multitude of forms, including role-playing, games, case studies, simulations, presentations, and various types of group work. SIT emphasizes on conducting experiential learning to every faculty in teaching learning processes of their respective courses. Depending upon the nature of the course the activities are planned and executed by the faculty. To discuss herewith, in the course of Environmental and Civil Engineering, the student was given a task to explore flora and fauna in and around the University Campus. The student has had done the activity with joy and this activity brought student close to the Nature. A concern toward the Environment is getting inculcated in their minds. They have started with many initiatives about waste management, tree plantation activities in campus as result of the activity.

Experiential learning assignments help students relate theory to practice and analyze real-life situations in light of course material. In the course of Building By-Laws. A case study of Campa-Coca, Mumbai was given as case-study in light of how the Building Bylaws are monitored and what damage is it could cost if laws are violated. Student had a glimpse of this case study through new papers and other ways media. In this experiential activity Students have explored many folds of the case study and the understanding on the bylaws is seen in their presentation and reports.

5. Evidence of Success

The role of the instructor in the experiential classroom is different than in the traditional classroom. In the experiential classroom, the instructor is a guide, a cheerleader, a resource,



A. D. D. D.
Director

and a support. Since reflection is such a crucial component of a successful experiential learning process, it is imperative that students understand exactly what reflection is and how to use the process to deepen their learning. Assessment is an integral part of the experiential learning process. It provides a basis for “participants and instructors alike to confirm and reflect on the learning and growth that has and is occurring. Successful experiential learners have a willingness to reorder or alter their conception of a topic. They can reason for themselves and are able to successfully explain their position. They have clarity of purpose with tasks they undertake, and the self-management skills necessary to work successfully both alone and in a group. Experiential learners are aware of the “rules” governing their discipline or mode of operation, but are also open-minded, and able to work with people with different views. Finally, experiential learners are in control of their voice—they can identify the role of emotion in their learning, as well as reflect on how they have come to their new knowledge.

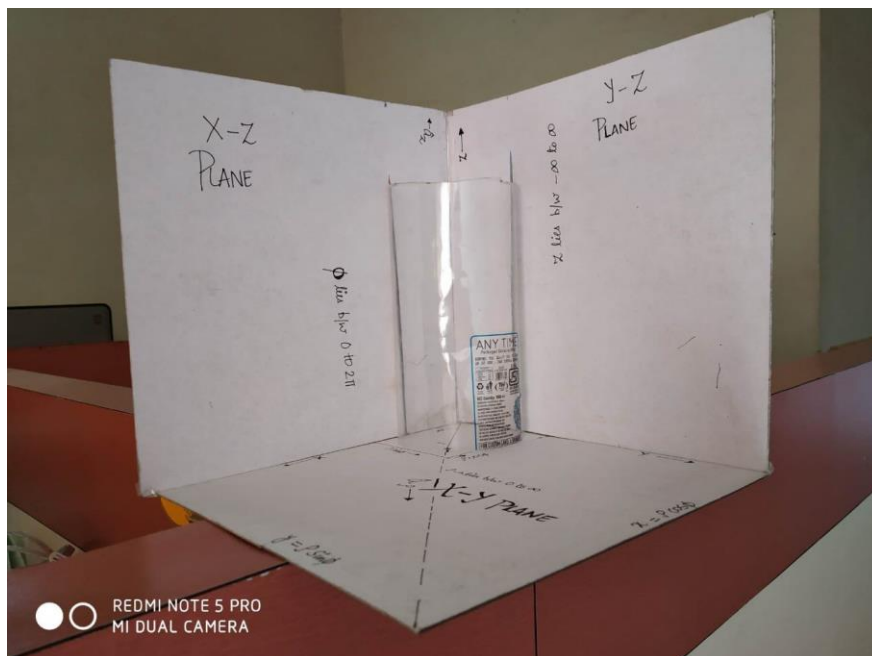


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Academic Year 2018-19

Experiential Learning for Second Year E&TC 2017-21 Batch
Electromagnetic Field Theory

The models



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Students displaying the model with the faculty



Experiential Learning circulars to students:



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Experiential learning hour - EMFT Div B

shilpa hudnurkar <shilpa.hudnurkar@sitpune.edu.in>

Mon, Apr 1, 2019 at 4:50 PM

To: Tanvi Mahajan <tanvi.mahajan@sitpune.edu.in>, Samyak Vaidya <samyak.vaidya@sitpune.edu.in>, Srishti Chouhan <srishti.chouhan@sitpune.edu.in>, Varun Sen <varun.sen@sitpune.edu.in>, Parsodkar Kapil <parsodkar.kapil@sitpune.edu.in>, Nookala Varun <nookala.varun@sitpune.edu.in>

Forward to your group mates.

Dear All,

As already discussed, we will have experiential learning hour on Thursday 10.55 am to 11.45 am (during regular lecture). Following groups will be presenting their model/video.

1	Rectangular coordinate system	Model	Tanvi Mahajan, Tsarina, Shravi Vijay, Vatsal A, Vatsal B
2	Cylindrical coordinate System	Model	samyak ,nikhil,shubham
3	Spherical Coordinate System	Model	Srishti, Simran, Upasana
4	Electric Field intensity	Video	Varun Sen, Vivek Joshi, Nandish
5	Gauss's Law	Video	Kapil Parsodkar, Ninad Berry, Vijay Ram Reddy
6	Applications of Gauss's law	Video	Varun N, Yogitha


Please note that there will not be any repeat presentation.

All the Best!



Shilpa Hudnurkar
Assistant Professor




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**Experiential Learning tasks circulated with students (E&TC 2018-22)
Fundamentals of Electronic Devices and Circuits
Screenshots of the activity conducted**

FEDC@ E&TC(2018-22) Stream Classwork People Grades

ankita wanchoo
Sep 4, 2018

Hi Students,
Please go through the following link(video) to understand the concept of transistors. Questions related to the video will be asked during the lecture hour
<https://www.youtube.com/watch?v=7uDKVHnac4>

Add class comment...

ankita wanchoo
Sep 3, 2018

FEDC Evaluation Sheet Theory+Lab

Evaluation Sheet.xls
Excel

FEDC@ E&TC(2018-22) Stream Classwork People Grades

ankita wanchoo
Oct 4, 2018

Video on Transformer. Have a look
<https://www.youtube.com/watch?v=U3CubKnkO4c>

Add class comment...

Yashovardhan.Yashovardhan Btech2018
Sep 22, 2018

Sending assignment 1 and 3 again because of extension errors

assignment3.pdf
PDF

assignment 1FEDC.pdf
PDF

Add class comment...



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Research driven presentation from student- Civil department



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Engineering mathematics experiential learning

EM-I 2019-23

Stream Classwork People Grades

Add class comment...

B S Veena
Sep 9

To, EnTC students*
Find some materials of Fourier series for experiential learning/self study.
use the link http://exampleproblems.com/wiki/index.php/Fourier_Series
In addition to this/as an alternative, you can refer any reference book also.

FourierSeries(nopauses).... PDF

Notes_on_Fourier_series.... PDF

Exercises-Fourier-Series.... PDF

Add class comment...

EM-I 2019-23

Stream Classwork People Grades

Copy of final PRN roll call ...
Excel

Add class comment...

Arpita Deodikar
Sep 10 (Edited Sep 13)

For CS (B and C divisions) students,
Dear students,
study material for Fourier series is given below for experiential study/ self study, go through it.
<http://www.personal.psu.edu/sxt104/class/Math251/Notes-PDE%20pt2.pdf>
<http://www.math.ttu.edu/~drajfer/Classes/O4Spring/anspract4.pdf>
<https://www.slideshare.net/salunjibir/solved-examples-in-fourier-series>
Any book also can be referred.

Add class comment...



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