



School of Planning and Architecture: Vijayawada
 (An institution of National Importance under the Ministry of Human Resource Development, Govt. of India)
 Survey No.4/4, ITI Road, Vijayawada-520008, Andhra Pradesh, India

Department of Architecture

Course: MSAR2211 - Post Occupancy Evaluation (Elective) (1-Lecture; 2-Lab/studio) **Class:** II Yr M.Arch VI Sem AY2023-24
Instructors: Dr. Faiz Ahmed **Internal Assessment:** 50

External Theory Exam: 50

Total Marks: 100

Credits: 3

Contact Periods/ week: 03 periods

Time Table: Tuesday, 9:00 - 11:45 AM

Attendance: Min 75% **Min. Passing Marks:** 40% each in Internal & External Assessment, 40% in Aggregate

Objective:

To impart the post-occupancy evaluation tools and techniques prevalent in the field.

Outcome of the Course:

Students shall learn the required post occupancy procedures and protocols for assessing the buildings for their performance.

LECTURE PLAN

WEEK	DATE	TOPIC OF CLASS LECTURE & DISCUSSION	Remarks
1	09.01.2024	Introduction to Post Occupancy Evaluation of Buildings - Semester-wise Plan of action based on the syllabus	Lecture and Discussion
2	16.01.2024	A solid understanding of the conceptual frame works underlying different types of post occupancy evaluation that addresses specific organizational objectives or needs. <i>Reading Material: Li P, Froese TM, Brager G, Post-occupancy evaluation: State-of-the-art analysis and state-of-the-practice review, Building and Environment (2018), doi: 10.1016/j.buildenv.2018.02.024.</i>	Lecture and Discussion - Introduction of Assignment I & III
3	23.01.2024	Lecture on the generic attributes such as to identify and formulate the problems and to envisage, enact processes in response to them. <i>Reading Material: Alejandro Vásquez-Hernández and Mario Fernando Restrepo Álvarez, Evaluation of buildings in real conditions of use: Current situation, Journal of Building Engineering, http://dx.doi.org/10.1016/j.jobee.2017.04.019</i>	Lecture and Discussion & Assignment Discussion
4	30.01.2024	Assessing existing buildings on their energy use, environmental impact and occupant satisfaction. Building performance benchmarks – rating and comparison of buildings. <i>Reading Material: Ye, C.; Yao, L.; Meng, Y.; Zhang, Y.; He, G. Post-Occupancy Evaluation of Green Technologies for a High-Rise Building Based on User Experience. Sustainability 2022, 14, 9538. https://doi.org/10.3390/su14159538</i>	Lecture and Discussion & Assignment Discussion
5	06.02.2024	Workshop on POE and inspection of case building	Workshop
6	13.02.2024	<i>Field Work</i>	
7	20.02.2024	Techniques, methods & procedures of Post Occupancy Evaluation. It also covers the user satisfaction survey identifying areas of deficiency particularly in maintenance, and facilitate the assessment of the overall performance of the building.	Lecture and Discussion & Assignment Discussion
8	27.02.2024	MID Semester Assessment	MCQ - TEST

9	04.03.2024	Workshop on POE and inspection of case building	Workshop
10	11.03.2024	Assignment: Post occupancy evaluation of a building and document the relationship between building design, energy use, occupant satisfaction, and environmental impact and report their observations.	Discussion on Assignment
11	18.03.2024	Assignment: Post occupancy evaluation of a building and document the relationship between building design, energy use, occupant satisfaction, and environmental impact and report their observations.	Discussion on Assignment
12	25.03.2024	Students Presentation (Assessment Presentation)	Students Presentation
13	02.04.2024	Students Presentation (Assessment Presentation)	Students Presentation
14	09.04.2024	Students Presentation (Assessment Presentation)	Students Presentation
15	16.04.2024	Students Presentation (Assessment Presentation)	Students Presentation

S. No.	Stages of Evaluation	Weightage
1	First stage: Assessment –1	15
2	Mid-semester Examination - MCQ Test	20
3	Third stage: Assessment –3	15
	Total	50

References:

1. Moncef Krarti (2011). ENERGY AUDIT OF BUILDING SYSTEMS AN ENGINEERING APPROACH. CRC Press. Florence. Taylor & Francis Group.
2. Li P, Froese TM, Brager G, Post-occupancy evaluation: State-of-the-art analysis and state-of-the-practice review, Building and Environment (2018), doi: 10.1016/j.buildenv.2018.02.024.
3. Alejandro Vásquez-Hernández and Mario Fernando Restrepo Álvarez, Evaluation of buildings in real conditions of use: Current situation, Journal of Building Engineering, <http://dx.doi.org/10.1016/j.job.2017.04.019>.
4. Ye, C.; Yao, L.; Meng, Y.; Zhang, Y.; He, G. Post-Occupancy Evaluation of Green Technologies for a High-Rise Building Based on User Experience. Sustainability 2022, 14, 9538. <https://doi.org/10.3390/su14159538>

Course Instructors:

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Head of Department:

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