School of Planning and Architecture: Vijayawada
(An institution of National Importance under the Ministry of Education, Govt. of India)
S.No. 4/4, I.T.I Road, Vijayawada – 520 008, Andhra Pradesh, India

Department of Architecture

Course: **MUD213; Urban Design Research Lab-II**
Instructors: Dr. G.Karteek

Class: MUD II yr III SEM
Internal Assessment: 50
External Jury: 50
Total Marks: 100
Credits: 4

Contact Periods/ week: 4 periods, 1 Lecture + 2 Research
Time Table: 4 hours
Attendance: Min 75%
Min. Passing Marks: 50% each in Internal & External Assessment, 50% in Aggregate

Objective:
To allow students to explore research areas which are contemporary and can address global as well as local issues, critical analysis and interpretation of urban phenomena and data. It will guide both studio and non-studio based enquiries of students towards structured, systematic and targeted research yielding qualitative and quantitative outputs.

Course Content:
- The research topic/areas shall have direct linkage with the studio program.
- The students shall be allowed to have free experimentation and in-depth inquiry into the patterns and processes of urbanism as well as the connected production of urban form and space.
- The lab is also aimed to provide research platforms for inter/multi-disciplinary engagement of participants from varying backgrounds towards engaging with selected aspects of built environment conditions and/or project future scenarios of urban form.
- The expected outcome might be in form of research papers/ research projects with active engagement with the research organisations or alike.
- Students shall be encouraged to collaborate with National and international agencies who work on research related with Urban studies like UN-HABITAT, Centre for Policy Research (CPR), India Institute of Human Settlement (IIHS, DUSP(MIT) etc. to see the current trend of research and streamline their work accordingly.

LECTURE PLAN

WEEK	WEEK/DATE	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK& ASSIGNMENTS / REMARKS
1	Week-1	**Introduction to Urban Design Research**	**Lecture by Faculty**
2	Week-2	***Identifying research domains and Review of Urban Design Research in India and abroad***	**Tutorial and discussions**
3	Week-3	***Lecture session- Experimenttation and In depth enquiry***	**Lecture and Discussions on Tutorial exercises**
4	Week-4	**Study Tour**	**Scheduled as per Calendar**
5	Week-5	**Study Tour**	**Scheduled as per Calendar**
6	Week-6	**Research Collaborations- Establishing platform for Multi-disciplinary research**	**Lecture and Discussions on Tutorial exercises**
7	Week-7	**MID TERM Assignment Submission**	
8	Week-8	**Discussions on Lab exercise**	**Completion of Assessment- I**
9	Week-9	***Discussions on Lab exercise***	**Discussions on Tutorial exercises**
10	Week-10	***Exploring research tools***	**Lecture and Discussions on Tutorial exercises**
11	Week-11	***Discussions on Lab exercise***	**Lecture and Discussions**
12	Week-12	***Exploring research Methods, techniques, use of softwares for analysis and validation***	**Lecture and Discussions**
13	Week-13	***Discussions on Lab exercise***	**Discussions on Tutorial exercises**
14	Week-14	***FINAL DRAFT of Lab work***	**Discussions on Tutorial exercises**

15	Week-15	***FINAL SUBMISSION of Research Assignment***	***Completion of Assessment- II***
16	Week-16	***Submission of marks/Attendance and revision***	

S. No.	Stages of Evaluation	Weightage
1	Assessment-I (Mid Term)	40%
2	Assessment-II	60%
3	***Internal Assessment***	***50***
4	***External Jury***	***50***

Reference Books:

1. Batty, M. (2001). "Exploring isovist fields: space and shape in architectural and urban morphology," Environment and Planning B: Planning and Design 28, 123-150.
2. Becker, Lucinda M. (2015). Writing Successful Reports and Dissertations. Los Angeles. SAGE
3. Gaur, Ajai S (2011). Statistical Methods for Practice and Research: A Guide to Data Analysis Using SPSS. Response books, New Delhi
4. Hillier, B. & Hanson, J. (1984). The social logic of space. Cambridge: Cambridge University Press.
5. McClelland D. (2003). Photoshop 7 Bible Professional Edition. New York Wiley Publishing.
6. Tal, Daniel. (2009). Google SketchUp for site design: a guide for modeling site plans, terrain and architecture. John Wiley

Cource Instructors:
(Dr. Karteek.G)

Head of Department:
(Dr. D.Srinivas)