

Course title: Regeneration and City Competitiveness				
Course code: MEU 154		No. of credits: 2	L-T-P: 24-4-4	Learning hours: 30
Pre-requisite course code and title (if any): NA				
Department: Sustainable Engineering				
Course coordinator: Prof. Shaleen Singhal			Course instructor: Prof. Shaleen Singhal	
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Course type: Core			Course offered in: Semester 2	
Course description				
<p>Cities globally have been adopting strategies for regeneration to meet economic, social and physical challenges. Certain progressive cities are able to capture opportunities for growth and development while other cities are challenged to improve competitiveness. Regeneration and City Competitiveness is a Second Semester core course of M. Tech Urban Development and Management programme. This course creates an opportunity for students to advance the knowledge and understanding of various challenges related to regeneration in cities in context of competitiveness.</p> <p>The course is structured under four modules: Module 1 sets the theoretical context to city competitiveness. Module 2 elaborates on the phenomenon of urban regeneration. Module 3 examines the linkages between sustainability, regeneration and competitiveness, and Module 4 reflects on evaluating approach to city competitiveness.</p>				
Course objectives				
<ul style="list-style-type: none"> To impart the knowledge on challenges and strategies for regeneration in cities. To explain the phenomenon of competitiveness of cities and introduce an indicator based approach for evaluating competitiveness with linkages to regeneration and sustainability. 				
Course contents				
Module	Topic	L	T	P
1	<p>This module on ‘City Competitiveness’ provides the context to urbanisation theme in relation to the SDGs and in particular the SDG 11 (Sustainable Cities and Communities) and SDG 12 (Responsible Consumption) and Smart Cities related initiative in India.</p> <p>The subtopics of this module shall relate to:</p> <ol style="list-style-type: none"> City Competitiveness theoretical context Regional and international approaches to measuring competitiveness of cities Smart Cities in India 	6		
2	<p>This module on ‘Urban Regeneration’ highlights the challenges and planning and management strategies for sustainable cities</p> <p>The subtopics of this module shall relate to:</p> <ol style="list-style-type: none"> Urban Regeneration theoretical context Need, characteristics and strategies for urban regeneration Urban regeneration approaches - improving infrastructure and governance Urban regeneration trends and practices: case studies from Asia, Europe and US Urban regeneration/renewal initiatives in cities in India 	6		
3	This module on ‘Sustainable Regeneration for Competitiveness’ highlights the	8		

	<p>challenges and planning and management strategies for sustainable cities</p> <p>The subtopics of this module shall relate to:</p> <p>a) City competitiveness linkages to regeneration and sustainability, inner city revitalization</p> <p>i. Emergent approaches to competitiveness such as:</p> <p>ii. Low Carbon Growth and development</p> <p>iii. Inclusive cities, Compact/ Smart Cities and Eco-cities</p> <p>iv. Transit Oriented Development in cities</p> <p>v. New Urbanism and Place-making</p> <p>vi. Branding and Marketing of cities</p> <p>b) Measures for making cities competitive including social inclusion, physical environment and business improvement</p>			
4	<p>This module on ‘Evaluating city competitiveness’ highlights the challenges and planning and management strategies for sustainable cities</p> <p>The subtopics of this module shall relate to:</p> <p>a) City competitiveness evaluation framework - identifying indicators for competitiveness linked to regeneration and sustainability of cities in India</p> <p>b) Analysis of regeneration/ renewal and competitiveness of cities</p>	4	4	4
	Total	24	4	4
Evaluation criteria				
<p>Minor test 1: 20%</p> <p>Project Work: 40%</p> <p>Major test: 40%</p>				
Learning outcomes				
<p>On completion of this course, the students would be able to</p> <ul style="list-style-type: none"> Acquire knowledge and understanding of the phenomenon of city competitiveness and linkages to regeneration and sustainability Advance the knowledge further by developing a framework and examining measures to make cities in India competitive. 				
Pedagogical approach				
<p>The course will be delivered through a mix of classroom lectures and case studies discussions.</p>				
Materials				
Suggested Readings				
<ol style="list-style-type: none"> SCM (2021), Making a City Smart: Learnings from the Smart Cities Mission a workbook for decision makers, Smart Cities Mission, Ministry of Housing and Urban Affairs, Government of India CSTEP (2015), Reconceptualising Smart Cities: A Reference Framework for India, Center for Study of Science, Technology and Policy. Centre for Cities (2020), Cities Outlook 2020. Centre for Cities, London. MoHUA (2021), Smart Cities, http://mohua.gov.in/cms/smart-cities.php 				
<ol style="list-style-type: none"> Couch, C. (2003), Economic and physical influences on urban regeneration in Europe. In Urban regeneration in Europe, edited by Couch, C., Fraser, C., Percy, S. Blackwell Science limited, Oxford. Johanna I. Höffken & Agnes Limmer (2019), Smart and eco-cities in India and China, Local Environment, 				

24:7, 646-661.

7. Hutton, T.A., (2009), Trajectories of the new economy: regeneration and dislocation in the inner city. *Urban Studies* 46(5&6), 987–1001.
8. Hemphill, L, Berry, J and McGreal, S. (2004), An indicator-based approach to measuring sustainable urban regeneration performance: Part 1, conceptual foundations and methodological framework. *Urban Studies*, 41 (4). pp. 725-755.
9. Paul Varghese (2015), Exploring Other Concepts of Smart-Cities within the Urbanising Indian Context, *Procedia Technology* 24 (2016) 1858 – 1867, Science Direct, Elsevier.
10. Kresl, Peter Karl., Ietri, Daniele. 2012. *European Cities and Global Competitiveness: Strategies for Improving Performance*, Edward Elgar Publishing.
11. Parkinson, M., Boddy, M. 2004. *City Matters: Competitiveness, cohesion and urban governance*. The Policy Press, Bristol, pp. 1–10.
12. Porter, M.E. 2008. The competitive advantage of the inner city. In *On Competition: updated and expanded edition*. A Harvard Business Review book, Harvard Business School Publishing, pp. 373–404.

Recommend Readings

1. Begg, I. 2002. *Cities Urban Competitiveness: Policies for Dynamic Cities*, The Policy Press
2. GUCP, 2013. Global Urban Competitiveness Project, <http://www.gucp.org/en/>
3. ICIC, 2013. Initiative for a Competitive Inner City. <http://www.icic.org/>
4. Singhal, S., Berry, J.N., McGreal, W.S., 2009. A Framework for Assessing Regeneration, Business Strategies and Urban Competitiveness. *Local Economy* 24(2), 111–124.

Additional information (if any): NA

Advanced Reading Material

Student responsibilities

The students are expected to submit assignments in time and come prepared with readings when provided.

Course reviewers

1. Prof. W.S. McGreal, Director of Built Environment Research Institute, University of Ulster, UK
2. Prof. Amit Kapoor, Institute for Competitiveness, India