

<b>Session II</b>	<b>Shadow &amp; Daylight Analysis</b>	
	Date : 26 <sup>th</sup> August , 2016	Time: 09.30 – 4.30 pm
	Venue : Hotel Park, CBD Belapur, Navi Mumbai	
<b>Session Timings</b>	<b>Details</b>	
<b>09.30 – 10.00 am</b>	<b>Registration</b>	
<b>10.00 – 10.15 am</b>	<b>Introduction to the workshop series &amp; Design to Sustain program</b>	
<b>10.15 – 1.30 pm</b>	<b>Optimizing daylight in building design</b>	
	<b>Learning objectives:</b>	
	Understanding how the design and size of fenestration affects the day light quality entering the building.	
	Understanding the terms and concepts like daylighted area/daylight zone, living area, lux levels, daylight factor (DF), fixed design sky condition and more.	
	Understanding the recommended standards and benchmarks as specified in NBC 2005 for attaining daylight comfort within a living space.	
	Calculating the daylight level for a living space in a specific climatic zone	
	Elaborating to understand the role of glass and its properties like U value, SHGC (solar heat gain coefficient), visual light transmission, refractive index and so on that defines the effective SHGC of the fenestration.	
	Validating the manual calculations by using simulation software- ECOTECH	
<b>1.30 – 2.00 pm</b>	<b>Lunch Break</b>	
<b>2.00 – 2.30 pm</b>	<b>On site experience: Learning through practical examples</b>	
	<b>Learning objective:</b>	
	Understanding the different ways of introducing daylight in buildings (with single or double corridors) where otherwise the daylight penetration is difficult to achieve.	
<b>2.30 – 4.00 pm</b>	<b>Daylight &amp; shadow analysis using simulation software: Hands on experience</b>	
	<b>Learning objective:</b>	
	Using software to build a model and performing simulation exercise for day lighting.	
<b>4.00 – 4.30 pm</b>	<b>Recap session /Question &amp; Answers</b>	