IIT Innovation Center

Problem/ IIT is planning to develop a new building for innovative space that will enhance student and faculty's quality of education. It is planned to be a center-point of interdisciplinary education that people related to certain object can share their thoughts. There will be spaces for IPRO courses, IIT's idea shop, leadership academy, entrepreneurship academy and institute of design. The problem is by using potential of parametric design tool, developing a building that fills IIT's infrastructure, iconic representative role, in-ow of students and existing site elements.

Solution/ Herman hall, -ow of students, IIT's architectural infrastructure and highway was the key points to solve design problem.

1.Welcoming gaps of the building are created based on consideration of path that students move. These gaps welcome students to come inside of the building by having undulating interior spaces that inspires student. It is in rectangular form, but the shape inside attracts people to have curiosity.

2.Fluctuating interior spaces are displayed to west facade of the building that is facing highway. Western facade of the building has curtain wall panel that drivers can see through. This feature can be an iconic gesture toward public people for them to have interesting impression on IIT.

3.Considering IIT's architectural infrastructure, MTCC by Rem Koolhaas and SSV by Helmut/Jahn could be considered as a counter-move. This time, IIT's new innovation center will also be a new propaganda. The building has rectangular form that most of the building in the campus has. But inside of it, there is a symphony of fascinating space inside to trigger student's creativity and innovations. This will be a new landmark of IIT campus.

Parametric Relationship Possibilities/ Parametric design methodologies can be utilized here very effectively. First of all,

designing curved surface will enhance its compound form in terms of its materials, shape and system. Secondly, it will enhance my ability to create exciting space that can be modified at any time. Lastly, highly detailed skin modules can be created to even stress building in variety of ways.