



**Directorate of Outcome**  
**Outcome Report**  
**Event/Activity Organized @ AUH**

**Event Type:** Conference /Seminar/Symposium/ Expert Talk /Guest Lecture / FDP/ Work Shop/Industrial Visit/Visit to Institute/Any Other

**Event Title:** Autodesk University Workshop, Future of Making Things

**Details of Speaker/Resource Person:** Ar. Arun Bhandari

**Date:** 11<sup>th</sup> SEPT 2018

**Venue:** AEROCITY, NEW DELHI Organized

**by:** AUTODESK Inc.

**Faculty Coordinator(s):** Ar. Arun Bhandari

**Participation:** 5<sup>th</sup> SEM, ASAP Students Point

**wise highlights of the Event:**

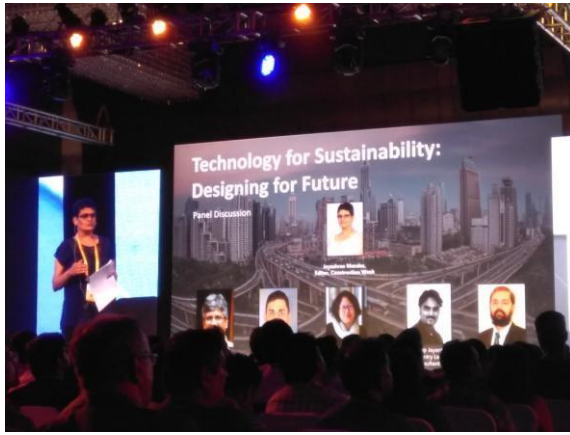
**Outcome of the Event with Time Line (Proposed/Achieved)**

(Provide suitable details wherever applicable)

| <b>1. Outcome related to Academia Connect</b>                                                                                   |   |                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a) Collaborations for Research Papers/Conference Papers/ Book Chapter etc                                                       | Y | <i>Yes. Ample opportunity to publish research works and applied science applications</i>                                                                                                      |
| b) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments etc. | Y | <i>The workshop on Future of Making Things provide software related trainings directly by the exhibited IT companies. Good scope for use of instruments.</i>                                  |
| c) Collaboration for Funded Projects.                                                                                           | N | No funded project found.                                                                                                                                                                      |
| <b>2. Outcome related to Industry Connect</b>                                                                                   |   |                                                                                                                                                                                               |
| a) Placement                                                                                                                    | Y | <i>Great platform for the students of Architecture &amp; Engineering where companies can directly recruit based on their skill-sets and knowledge in making things work!</i>                  |
| b) Collaborations for Research Papers                                                                                           | Y | <i>Some university participation engaged in the public research jointly initiated by the Autodesk Inc. and Institutes</i>                                                                     |
| c) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments.     | Y | <i>The workshop on Future of Making Things provide software related trainings directly by the exhibited IT companies. Good scope for use of instruments. Good for undergraduate students.</i> |
| d) Collaboration for Funded Projects.                                                                                           | N | No funded project found.                                                                                                                                                                      |
| <b>3. Outcome related to Society Outreach</b>                                                                                   |   |                                                                                                                                                                                               |
| a) Benefit to society in terms of Health & hygiene                                                                              | Y | <i>The workshop helped students identify right opportunity in the industry space in the making things that improve society's quality of life (health &amp; hygiene)</i>                       |

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| b) Benefit to society in terms of Education                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Y | Workshop allowed an open ended discussions, presentations from the experts, giving access to the education, learning and improving student's ability to solve complex problems. |
| <b>4. Outcome related to Students Learning &amp; Grooming</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                 |
| The industry leaders like Nasscom highlighted the importance of ITC and softwares. Expert Dr. Batu. developed curriculum based on product design for all engineering subjects. Industry demand and academy collaboration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |                                                                                                                                                                                 |
| <p>Sunil MK Country Manager, regional sales, Autodesk mentioned about the Flexible technology access, technology trends in design, connected Building Information Modelling, BIM plus the power of the cloud-based technologies and several other benefits.</p> <p>Mr. Balijepalli, presented panel discussion. Bangalore international airport used Cementitious Terrazzo as part of sustainability. CBRE talked about energy efficiency, Scope for Internet of Things and software applications. He mentioned that the India is lacking in terms of sustainable in transportation system, due to lack of standards, and adoption of voluntary rating system.</p> <p>Open questions by the student community and industry professionals:</p> <p>Cloud based design automation solutions...</p> <ul style="list-style-type: none"> <li>- origin of customization</li> <li>- automobile a trend from mass production to mass customization</li> <li>- risersoft engineering solutions</li> <li>- parametric automation to drive enterprise data</li> <li>- UnitCAD automation based on excel Formula Language - rule types</li> <li>- unit cad for inventor workflows: AutoDesk Inventor softer- rule definition - Forge is Autodesk platform</li> <li>- forge provides</li> </ul> <p>Eto and CtO applications, engineer-to-order</p> <p>The company named Eos additive manufacturing showed the participants students work on - industrial 3d printing</p> <ul style="list-style-type: none"> <li>- 3D printing industry 4.0, McKensey identified "3d-printing" as disruptive technology</li> <li>- manufacturing process- additive Vs subtractive</li> <li>- Golden triangle- process parameters, system, materials</li> <li>- maxillofacial application of 3D print</li> <li>- accessory and interiors freedom of design - e manufacturing process</li> </ul> <p>-Systra engineering and technology solutions asking for BIM professional requirement and urged the students to send their CV directly.</p> <p>Motilal SOL technical director</p> <ul style="list-style-type: none"> <li>- radius twisting tube, sky train at Phoenix at arizona</li> <li>- structures online</li> <li>- 3d file format- CNC, KISS, IFC formates explore - next move use parametric modeling.</li> </ul> <p>-4D BIM, ( clash detection techniques), Students have experienced the real-time applications and found to a be satisfactory event opening up various career options.</p> |   |                                                                                                                                                                                 |
| <b>5. Any other</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |                                                                                                                                                                                 |

**Enclose event report along with glimpses of the event (Photographs)**



### Student Attendance

- Meghali dasgupta
- Nandita
- Krishna Gupta
- Harsh Bhadauriya
- Bharat Chawda
- Puneet Kaur
- Rhythm Puri
- Arun Yadav
- Saloni
- Aishwarya
- Anuja
- Aman Chaudhry
- Rohit Joshi
- Ashu
- Jinsen
- Pragati Singhal
- Ritesh Kumar

- Drishti
- Saurabh Chaudhry
- Naveena
- Priyamvada
- Zuali
- Vivek Bharadwaj
- Vidur Sharma
- Mohit