

“SolidWorks” Workshop by Conceptia Konnect

Resource Person: Conceptia Konnect

Venue: Ammachi Labs, Amrita Vishwa Vidyapeetham, Amritapuri

Date: Dec 7th and 8th 2017, Two days

Attendees: Vennila. V, Rahul E S, Deepu D S, Shanker S, Udayalakshmi, Alekh V, Rahul Nair, Akshay Nagarajan.

Workshop Introduction:

Conceptia Konnect is an ISO 9001-2008 certified multi-national engineering and consulting firm based in India with the primary focus on helping product design and manufacturing companies to innovate by using the best CAD/CAM/CAE/PDM solutions that are easy to learn and use while being productive and able to deliver faster and cost-effective technology solutions. They provided a workshop in SolidWorks for researchers at Ammachi Labs. The workshop facilitators focused on the basics of SolidWorks so that electronics and software professionals would be able to implement the software program. It was a two-day workshop and eight Ammachi Labs members attended.

Objective:

The objective of the workshop was to provide an understanding of the basics of 3D CAD modeling using SolidWorks, which included the portions of 2D sketching, 3D modeling, 3D model assembling, and more.

Outcome:

Every workshop participant worked for two days on their own computer. Initially, the workshop facilitators introduced the subject using a PowerPoint presentation, which included the step by step process and use of the SolidWorks software program, and then all participants gained hands-on experience with the program using their own computer. Participants benefitted from the highquality interactive sessions and applied the knowledge gained with the assistance of the facilitators. Finally, all participants started the process of 2D sketching and 3D modeling and then converted the 2D models into 3D models. Participants studied assembling 3D models and learned to modify parts according to the errors found in the assembly.

Conclusion:

Workshop participants with various academic backgrounds were able to understand the basics of SolidWorks and how a model could be generated for their own personal use. Since the workshop

brought researchers from different disciplines together, it helped inspire Ammach Labs team members to engage in multidisciplinary research, which will, in turn, bring Ammachi Labs forward.

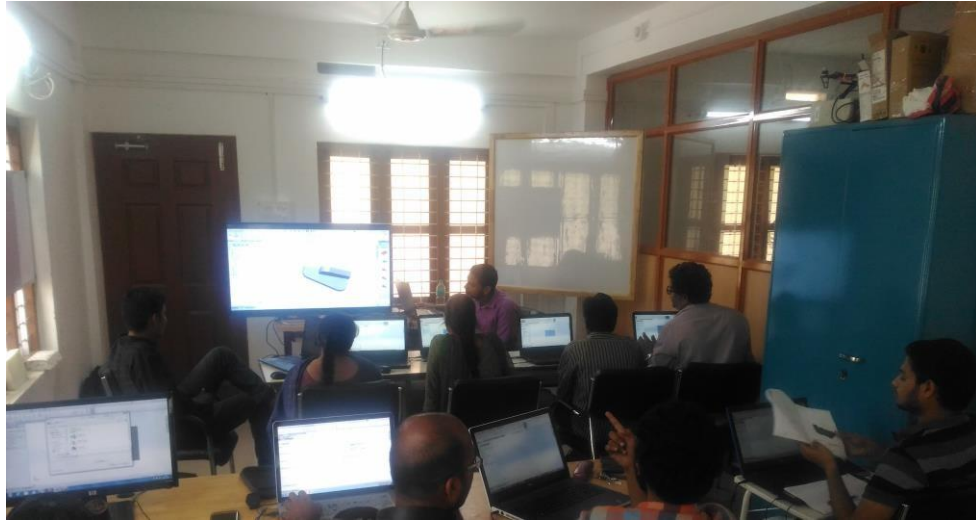


Figure1: Facilitator explaining how to sketch a model

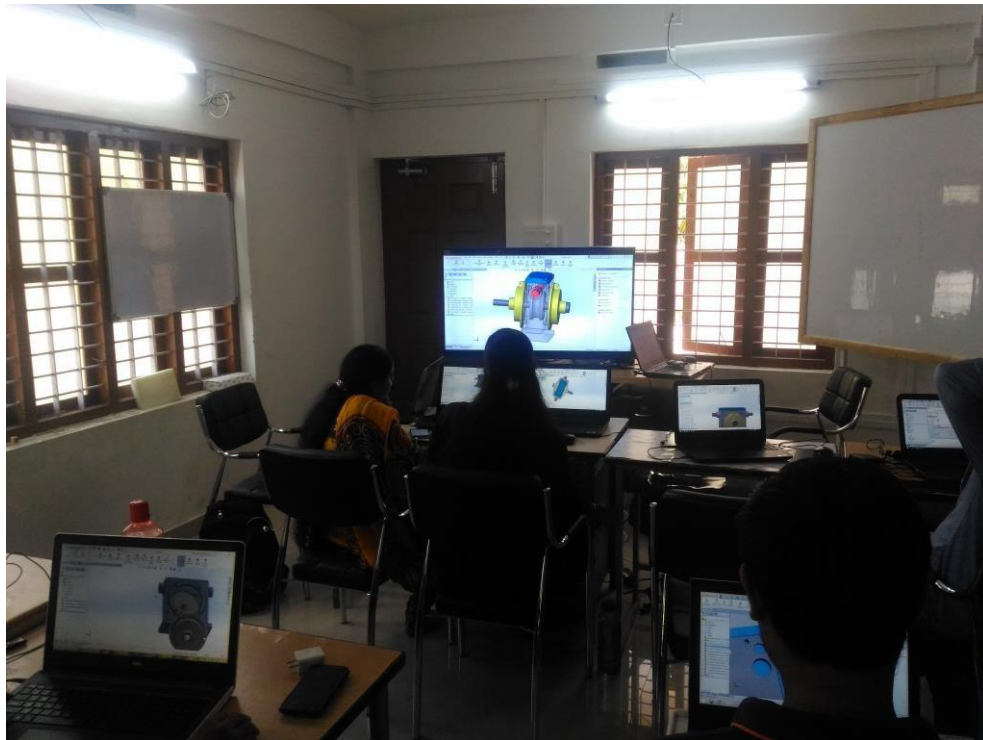
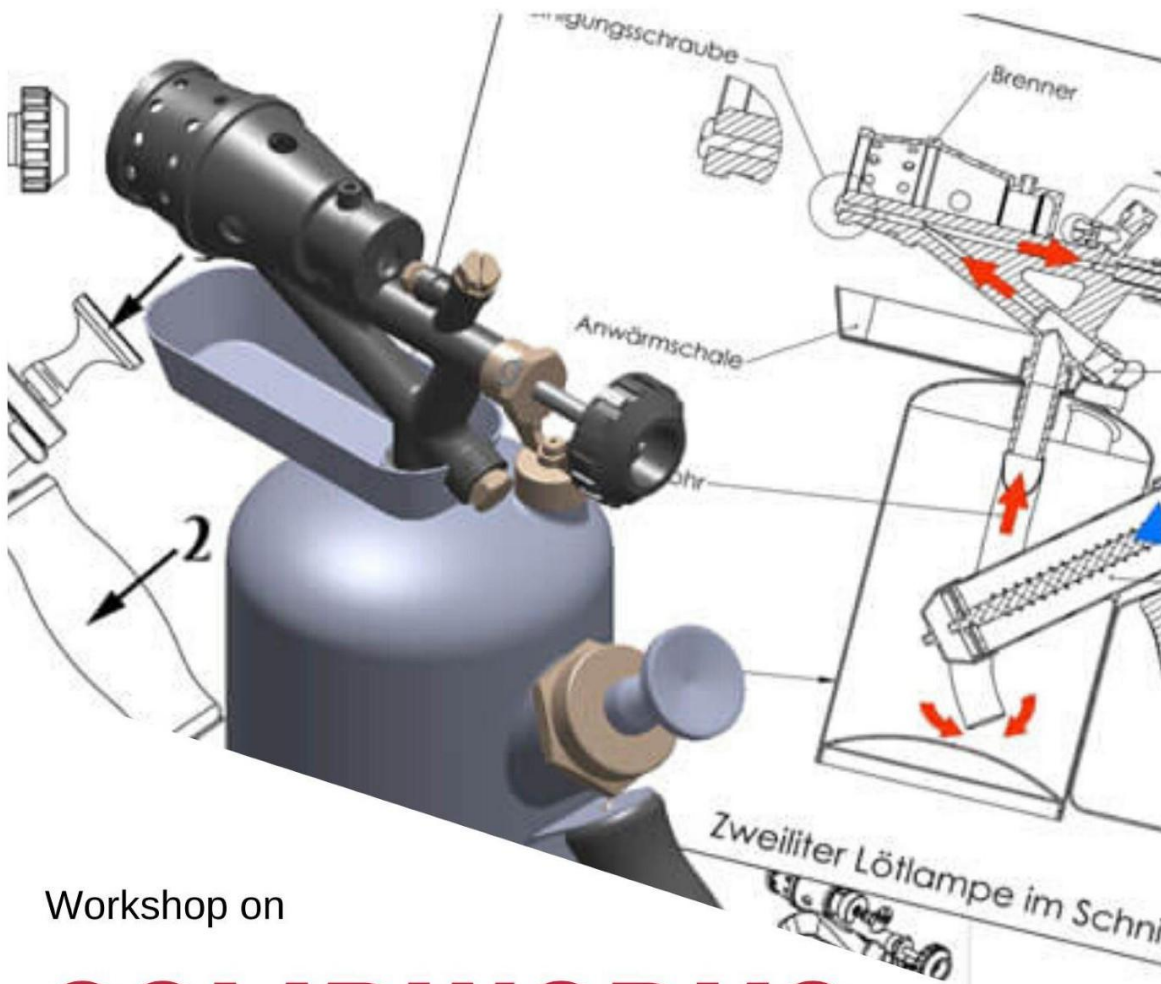


Figure2: Workshop participants designing a 3D model shown by the facilitator



Workshop on

SOLIDWORKS

by Conceptia Konnect

DECEMBER 7-8, 2017 • MAKERSPACE



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