Centurion University Technology and Management

Workshop on System Engineering using DYMOLA

Venue: GMT Lab, AR_VR Hall, ASDC Block
Date: 15-11-2019 to 16-11-2019
Number of Participants: 54
Resource person: Mr. Saroj Kumar Panda
About resource person: Mr. Saroj Kumar Panda is an Assistant Professor at Centurion University of Technology and Management, Odisha, India. He joined Centurion University in the year 2014. He did Diploma in 2007 from BOSE, Cuttack in Electrical Engineering, B.Tech in 2010 from SIET, Dhenkanal in Electrical Engineering and M.Tech in 2014 from NIT, Rourkela in Power Electronics & Drives .

About the session: Dymola, Dynamic Modeling Laboratory, is a complete tool for modeling and simulation of integrated and complex systems for use within automotive, aerospace, robotics, process and other applications. Rapidly solve complex multi-disciplinary systems modeling and analysis problems, using Dymola's best-in-class Modelica and simulation technology. Dymola is a complete environment for model creation, testing, simulation and post-processing.

Objective:

- To provide powerful multi-disciplinary systems engineering through compatible model libraries for a large number of engineering domains.
- To design high-fidelity modeling of complex integrated systems.
- To design intuitive modeling i.e. advanced, formally defined object-oriented modeling language.
- To enable users to easily build their own components or adapt existing ones to match their unique needs.
- To increase the ability to integrate with complex 3D geometry for integrated simulation.
- To increase powerful model management, calibration & optimization capabilities.

Outcome:

- The use of open standards such as DYMOLA (Modelica and FMI) is a key enabler to better understand the behavior of systems and to work and communicate accurately with partners and suppliers.
- DYMOLA is not only capable to support an ad-hoc modeling level, such as functional behavior or detailed design, but is also able to convert these predictive models into real-time models.
- The user can able to create new elements in an easy and intuitive way, to answer to its own modeling requirements.
- Future Centurions are ready for operating in many industries including automotive,

aerospace, architecture, Motorsport, energy, and high tech.

Brochure of the event on System Engineering using Dymola

Photos during the session of Workshop on System Engineering using Dymola

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Attendance Sheet

1	S . Niswatasa arundhati	
2	Sagarika Padhi	
3	Sakshi prasad	
4	Santoshi Biswal	
5	Saswata jena	
6	Satyanarayan jena	
7	Shubham kumar	
8	Smruti ranjan panda	
9	Sonali Biswas	
10	Soumodeep Dey	
11	Soumyabrata dasgupta	
12	Sourav	
13	Sourava martha	

14	Suchismita bindhani	
15	Sushree subhadarshinee mohapatra	
16	swati kumari khan	
17	Vishal kumar	
18	YOGESH PRASAD	
19	Abhijit haldar	
20	Alisha Sethi	
21	Anshu Arpan Debata	
22	Anwesha panigrahi	
23	Archana panda	
24	Atanu Bera	
25	Atisha mohapatra	
26	B. Brajamohan patro	
27	Baby Subhashree Senapaty	
28	Badrinarayan Chandan	
29	Batya Bijayini	
30	Bhabani Shankar	
31	Bhagyaranjan Nayak	

32	Bharat Bairi	
33	Biswajeet Sahoo	
34	Ch simran subudhi	
35	Chandan Bisoyi	
36	Deepak prasad	
37	Deepika kumari	
38	Deveesmita nandy	
39	Guru kalyan prusty	
40	Harsh Bariyar	
41	Jyotirmayee sahu	
42	Jyotshna dalai	
43	Karan Kumar Jena	
44	Krishna kumari jashmukh	
45	Madhusmita Naik	
46	Manish kumar verma	
47	Manisha Dash	
48	Narayana Behera	
49	Nikita Ekka	

50	NikitabGaneriwak	
51	Pragyan Paramita Swain	
52	Prajna P. Aparajeeta	
53	Pralaya kumar khuntia	
54	Pramita priyadarshani panda	

Dr. Prasanta Ku. Mohanty
Dean Academic

Prof. KVD Prakash
Dean - IIE & HRD