

VESIT-AIA Competency Development Center

Academic year 2019-20 & 2020-21

Event description: Introduction of AIA Basic Automation Course to Third year ETRX, INST & EXTC.

Class	Date	Time	Faculties
D11A	12/10/2019	10.30-10.50	Kader Shaikh & Abhijit Shete
D11B	12/10/2019	10.50-11.10	
D13	04/10/2019	10.30-11.20	Kader Shaikh & Prasad Godse
D14B	11/10/2019	10.30-10.50	Kader Shaikh & Ajinkya Valanjoo
D14A	11/10/2019	10.50-11.10	
D14C	15/10/2019	1.30 – 1.45	

Event description:

“V.E.S. Institute of Technology (V.E.S.I.T) - Competency Development Center” by “Automation Industry Association (AIA)” regularly conducts “Integrated Automation: Basic Course” as a part of CAMPUS CONNECT INITIATIVE. This add on course gives more weightage to hands on training on the various kits specially made for this purpose as,

1. Sensors (P&F)
2. Pneumatics` (Festo)
3. Controls and Visualization (Siemens)
4. Motion Control (B & R Automation)
5. Integrated Stand-I and II

Date: 8th Jan to 23rd Jan 2020

Duration: 50 Hours course

Number of students: 05 (INST – 5)

Teaching Faculty: 11

Mr. Kader Shaikh, Mr. Abhijit Shete, Mrs. Rakhi Jadhav, Mr. Vijay Shejwalkar, Mrs. Ramya T, Mr. Prasad Gosde, Mrs. Nilima Warke, Mrs. Kanchan Chavan, Mrs. Gauri Sahoo, Mr. Ajinkya Valanjoo, Mrs. Kadambari Sharma

Event description: Visit to B&R Industrial Automation Pvt. Ltd, Wakdewadi, Pune

Date: 3rd February 2020

Duration: Full day

Number of students: 6

List of visiting staff members

1. Mrs. Kadambari Sharma

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2. Mr. Ajinkya Valanjoo

B&R staff:

1. Mr. Praveen vaidya
2. Mr. Tanmay Sharma

Industrial visit was arranged for AIA students of Jan 2020 batch. One student of previous batch (Jan 2019) also accompanied for the visit.

This visit was to training center of B&R Industrial Automation Pvt. Ltd. Visit started with introduction about the company and its products like automation PC, PLC, HMI, drives, servo motors, stepper motors, linear motors, etc. Construction, working and applications of various components/devices/systems were explained in detail. Experimentation setup for pick and place robot, item segregation, print mark cross cutter, 3 axis robot systems were demonstrated.

Event description: Visit to Siemens Ltd, Kalwa Works, Thane

Date: 7th February 2020

Duration: Full day

Number of students: 5

List of visiting staff members

1. Mr. Kader Shaikh

Siemens staff:

1. Mr. Prasad Ravekar
2. Mr. Sandeep Kadlak

Industrial visit was arranged for AIA students of Jan 2020 batch.

This visit was to product testing and customization center of Siemens Ltd, Kalwa Works, Thane. Mr. Prasad Ravekar briefed students about emerging technologies in PLC. He specifically spoke about how machine learning and artificial intelligence is affecting the development and operation of PLCs. He suggested students to make themselves aware about IIoT components and be aware of artificial intelligence technologies.

Mr. Sandeep Kadlak, started with brief description about different types of PLCs developed by Siemens. Sandeep explained steps for programming, deployment and trouble shooting in various automation projects. A guided tour to various facilities of department was arranged.

Event description: Workshop on PLC programming and simulation using B&R Automation Studio.

Date: May 14 to 19, 2020 (excluding May 17, 2020)

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Duration: Five days

Number of faculty: 1

Name of faculty: Mr. Kader Shaikh

Number of participants (students): 12-22

Mode of lectures/session: Online using google meet

Number of industry expert: 1

Industry expert: Mr. Tanmay Sharma, System Engineer, B & R Automation, Pune

Details: Refer to, "Automation Studio Leaflet.docx" and "Automation Studio Workshop Documentation.docx"

Event description: Participation in webinar lecture series organized by VRC in association with VESIT-IQAC and IIC. Details of speakers arranged by VESIT AIA CDC are,

Sr	Name of speaker	Designation	Industry	Topic covered	Date & time
1	Mr. Vinayak M. Khandeparkar	Director – Operations	V.S. Equipments & Automations Pvt. Ltd.	Machine Automation in Packaging (Industries: Pharma/Food /Cosmetics)	25 July 2020, 03:00 P.M.- 04:00 P.M.
2	Mr. Chandrashekar Iyer	Retired Executive Director	Bharat Petroleum Mumbai Refinery	Industrial Revolution 4.0 for Manufacturing sector	26 July 2020, 10:00 A.M.- 12:00 P.M.
3	Mr. Sagar Jorapur	Assistant Manager, Wireless & Digital Marketing	Emerson Automation Solutions	Pervasive Sensing enables Proactive Decision Making by transforming data into analysis	28 July 2020, 03:00 P.M. - 04:00 P.M.
4	Mr. Tanay Sil	Head - Business Development & Education Network	B&R industrial Automation Pvt. Ltd.	IIoT for Brownfield & Greenfield Projects	29 July '20, 10:00 A.M.- 12:00 P.M.

Event description: Participation in Instru-International Talk Series, organized by Department of Instrumentation in Association with VESIT - IQAC (Internal Quality Assurance Cell) and VESIT - IIC

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(Institution Innovation Council), Mumbai from 7 September to 12 September, 2020. Details of speakers arranged by VESIT AIA CDC are,

Sr	Name of speaker	Designation	Industry	Topic covered	Date & time
1	Dr. Zied M. Ouertani	Vice President, Chemicals & Refining	ABB Germany	Augmented Reality and Mobile Solution for Field Operators	10 Sep 2020, 02:30 P.M.- 03:30 P.M.
2	Mr. Ganesh R. Rapelli	R&D Product Manager	ABB Ability Innovation Center, Bangluru, India	Discussion or Chat with a Department Alumnus	09 Sep 2020, 02:30 P.M.- 03:30 P.M.