Event Report

Dated: *29th Feb 2024*

Department: Mechanical Engineering

Name of the Event: One day Workshop on "***Automation and Robotics***"

Date of the Event: 29th, Feb 2024

Name of the Resource Person (if applicable): ***Mr. Jagpal Singh***, Sam Automation Technologies Pvt Ltd, Plot D-123, Phase 7, Industrial Area, Mohali-160055, Phone: 0172-2236911

Teacher Coordinator: ***Mr. Vipan Bansal***, Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar

Report:

The Department of Mechanical Engineering, organized One day Workshop on "*Automation and Robotics*". On 29th, Feb 2024, the Mechanical Engineering department, hosted One day Workshop on "*Automation and Robotics*" to raise awareness and carrier opportunities in the *Automation and Robotics. Mr. Jagpal Singh*, Sam Automation Technologies Pvt Ltd, Plot D-123, Phase 7, Industrial Area, Mohali was the resource person.

In the inaugural note, ***Mr. Vipan Bansal***, Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar, welcomed the speaker, fellow colleagues and the students and discuss the importance and objectives of workshop.

Thereafter, **Dr. R K. Seth,** Dean (Science and Technology), DAV University Jalandhar, welcomed the speaker and shared his views on practical situations that best suit the application of Robots. He also introduced the speaker to the audience and enlightened them about his work in the field of *Automation and Robotics.*

The resource person, Mr. Jagpal Singh, was more interested in interacting with the students and learning about their thoughts and impart them a theoretical as well as practical knowledge.

Theoretical aspects that were covered in workshop:

1. Discussion on Automation in today's scenario
2. Automation technologies
3. Myths surrounding automation
4. Robots – types, applications, their benefits
5. General case study to understand robotics
6. Introduction to Universal Robots – Robot Vs Cobot

Practical aspects that were covered in workshop:

1. Basic robot operations
2. Basic robot movements
   a. Generate a basic program
   b. Run the program graphically
   c. Run the program in actual
   d. Know about robot parts and terminology
3. Downside of robotics
4. Hands on practice in Robot programming

Dr. Sharanjit Singh, coordinator, Mechanical Engineering, thanked the speaker for sparing his valuable time to motivate the students.

Geotagged Pictures of the Event:

Attendance Sheet of Students containing name of the event, department, type of the event, date on the top of the attendance sheet.

DAV UNIVERSITY JALANDHAR
DEPARTMENT OF MECHANICAL ENGINEERING (Attendance Sheet Format)
Name of event/expert talk/seminar/viva/workshop/STC/FDP/industrial visit: ___Autsul__& Roboti__
Date: 29/2/24   Venue/Room No: IAR lab 105 Term: 2324 2

S. No.	Name	ID/Reg. No.	Designation/Branch/sem.	Sign.
1	Ved Pay	10189	A·P	
2	Palwinder Sing	10440	M.Tech.	
3	Sharanjit Singh	10027	AP	sur
4	Ashish L	12200158	B.Tech (EE)	Ashish
5	Avtar Singh	12100247	B-Tech (ME)	Avtar
6	Himanshu	12200698	B-Tech (ME)	Him
7	Jasmeet Singh	12200075	B-Tech (ME)	Jasrej
8	Sachin Sharma	12200332	B.Tech (Mech.)	Sachin
9	Pardeep Singh	12200446	B.Tech (Mechanic)	Prince
10	Pardeep Kumari	12201352	B.TECH (Mechanical)	Pardeep K.
11	Kulvir Singh	12100625	B.Tech [Electrical]	kullu
12	Tejveer Singh	12100320	B.Tech (Mech-)	Tejvu
13	Jashmeet Mahey	12100130	B.tech (Civil engg)	J.Mahey
14	Tanisha Sharma	12100321	B.tech (civil eng)	Sharma
15	Karanpreet Singh.	12100147	B.tech (civil.eng)	Karan.
16	Abhinandhan	12000546	Btech (Electrical)	Abhi
17	Simran Kaur	12000839	Btech (Electrical)	Saur
18	Diksha	12101110	Btch (Electrical)	Di
19	Ayushi	12200491	Btech (Mech)	Ay
20	Sameer	12100220	B.TECH (Mech)	Sameer
21	Ayanish Chauhan	12100184	B.TeCH (Mech)	Ayu
22	Rahul Choudhary	12100049	B.Tech (Mech)	RC
23	Kanwarjot	12201457	B.tech civil	Rysivot
24	Shirish	12200945	B.tech civil	shirish
25	Ritik sharma	12200586	B.tech civil	Ritik

Total No. of Students: ____25____
Sign. with Name & Employee ID of Faculty(s): _____
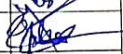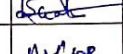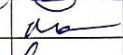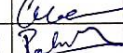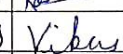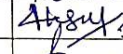
DAV UNIVERSITY JALANDHAR
DEPARTMENT OF MECHANICAL ENGINEERING (Attendance Sheet Format)
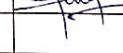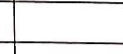Name of event/expert talk/seminar/viva/workshop/STC/FDP/industrial visit: _Autowcks Poktics_
Date: _29/2/24_   Venue/Room No: _TARlab_   Term: _23242_

S. No.	Name	ID/Reg. No.	Designation/Branch/sem.	Sign.
1	Harsh	12200114	B.Tech Civil	
2	Saksham	12200858	B.Tech Civil	
3	Yeshu Paul	12300716	"	
4	Hritik Paul	12300767	"	
5	Vinay	12200120	"	
6	Suaresh Ohri	12200291	"	
7	Ashish	12200305	"	
8	Prityush Kumar	12200510	P.Tech (Electrical)	
9	Nipen Deep Suni	12100484	B.Tech couch	
10	Gaurav Sharma	12100401	B.Tech (Mch)	
11	Rahul	12101339	B-TECH (Mech)	
12	Vikas	12000202	B.Tech (Mech)	
13	Vipan Bansel	10028	Assist. Prof.	
14	Sumit Nijjar	10186	Asst. Prof.	
15	Harish k. Garg	10026	Asst. Prof	
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23				
24				
25				

Total No. of Students: ___(15)___

Sign. with Name & Employee ID of Faculty(s): _____ /10028

Approval

Approval
1 message

Registrar <registrar@davuniversity.org>   Mon, Feb 19, 2024 at 10:12 AM
To: Vipan Bansal <vipan10028@davuniversity.org>
Cc: <academicaffairs@davuniversity.org>, Manohar Kumar <manohar214@gmail.com>, Sharanjit Singh
<malhi.sharanjit@gmail.com>

Dear Mr Vipan

Reference to your request letter regarding organizing a one-day workshop on the Robotics module by SAM Solution and Machines on 28.02.2024. This is to inform you that the Competent Authority has approved your request for the same.

For arrangement of lunch for 4 persons, kindly contact Mr Manohar Lal.

With Regards

Prof (Dr) Sanjeev Kumar Arora
Registrar (Officiating)
DAV University, Jalandhar
(O) 0181-2708845

Learning Outcomes:

1. Design/development of solutions (PO -3)
2. Modern tool usage (PO – 5)
3. Individual and teamwork (PO –9)
4. Communication (PO – 10)

Feed Back:

https://forms.gle/ybsHBm4FAY6J8vfGA