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**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)



SARVAJANIK UNIVERSITY
SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY

REPORT for Expert Talk on
“Automation for Industry 4.0”

On
20 September, 2023

ORGANIZED BY,

IIC CELL SCET,

Dr. Pranav B Lapsiwala,
Co ordinator.

Dr. Bhavina Patel,
Co ordinator

Dr. Utpal Pandya
President – IIC.

The Team

Faculty Coordinator: Dr. Pranav B Lapsiwala & Dr. Bhavina Patel

IIC-Cell - SCET: Dr. Utpal Pandya, Prisent (IIC-Cell, SCET) & Dr. Dhruti Sharma (Convenor, IIC-Cell, SCET)

Student Coordinators: Marmik Joshi, Rama Gham

Details of Event

Event Type: University / Institute Level Program

Event Platform: Sarvajani College of Engineering & Technology, SCET

Category: IIC Cell - SCET Activity, AC year 2023-24.

Schedule: 20 September, 2023; 2:00 PM to 4:00 PM, I.C. Engineering Seminar Hall, SCET

Expert / Speaker: Mr. Mihir Raval , NiTech Automation, Surat

Technical Support: MWTC Club E&C Engineering, ISA Student Chapter.

Aspirants: UG students and faculty of Sarvajani College of Engineering & Technology, SCET

Accessibility: Open to all

Registered Entry: 75

Participated Entry: 65

About the EVENT

Institution's Innovation Council (IIC) program is initiative of Ministry of Education (MoE) through MoE's Innovation Cell (MIC) in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education institutions. With this objective Institution's Innovation Council (IIC) of Sarvajani College of Engineering & Technology has organized a workshop on "Automation for Industry 4.0" on 23 September, 2023. The aim of the workshop is to provide ample information of Automation need in South Gujarat Cluster region with potential prospective as a professional.

Key Points / Topic of Session

1. South Gujarat Industry Area including Surat, Vapi, Ankleshwar, Vapi and their needs and requirement in automation.
2. Tools and Technology which are essential for modern day Automation and Industry 4.0 Standard.
3. How existing system can migrate with Industry 4.0 Standard?
4. Technology adaptation and skill set demand from the students of engineering.
5. What are the potential area of Automation for StartUp.

Summary and objective of Activities planned for Event

1. To provide ample of information and case study relate to potential scope of Automation in South Gujarat Industry area especially for the small scale Industry like textile, diamond, heavy chemical and pharmaceutical.
2. How students can plan their professional career growth in Automation Industry? What are the key technologies, tools, hardware and software packages need to work with Industry 4.0 standard?
3. For a StartUp in Automation domain, what are the key requirements and skill set as a beginner?

Outcomes of Workshop

The workshop had gathered good number of inquisitive participants who showed interest in sharing their inclination related to automation and professional career in automation with few having Business planning as project solution provider, vendors in automation domain. Mr. Mihir Raval, Experts had made audience aware for different potential area where Industry 4.0 Standard shall be implemented on industry 3.0 standard. In addition, he also describe different tools and software packages for the IIoT and IoT application in Industry. It was very well responded event and a learning experience for students, student volunteers and coordinators.

Announcement and Pre-Process for the Workshop

The poster is a purple and white graphic with a diagonal split. At the top, it features three logos: South Gujarat University (SU), Institution's Innovation Council (Ministry of Education Initiative), and Sardar Vallabhbhai Education Society's College of Arts & Science. The main title 'EXPERT LECTURE' is in large orange letters, with 'Automation for Industry 4.0 standard' below it. A speaker icon shows a man pointing at a screen. The speaker's name, Mihir Raval, and affiliation, NiTech Automation, Surat, are listed. The event details include Wednesday, 20 September 2024, from 2:00 PM to 4:00 PM, at the III IC cell, IC Dept. The topics to be discussed are listed in a white box. Faculty and student coordinators are named in separate boxes. A 'REGISTER NOW' button and a QR code are at the bottom right.

EXPERT LECTURE
Automation for Industry 4.0 standard

SPEAKER
Mihir Raval
NiTech Automation, Surat

WEDNESDAY
20 September 2024

TIME
2:00 PM to 4:00 PM

VENUE
III IC cell, IC Dept.

TOPICS TO BE DISCUSSED:

- SOUTH GUJARAT INDUSTRY CLUSTER NEEDS AUTOMATION.
- KEY COMPONENTS/TECHNOLOGIES REQUIRED FOR AUTOMATION.
- HOW INDUSTRY 4.0 CAN MIGRATE WITH THE MODERN AUTOMATION.
- REQUIRED STEPS TO INITIATE AUTOMATION START UP.

FACULTY COORDINATORS
DR. BHAVINA PATEL, IC
DR. PRANAV LAPSIWALA, EC

STUDENT COORDINATORS
MARMIK JOSHI- 9712071177
RAMA GHAM- 9974088310

REGISTER NOW

The leaf led was prepared by the student team and circulate into the student group along with notice board of the SCET.

Interaction and Discussion with Student by Expert



Vote of Thanks



Registered Participation Entry List

SANSKRUTI PATIL	9104120112	Electronic&Communication	Final	
Dhairya Pathak	9255937911	Instrumentation & Control	Third	
shubham shah	9714477344	Instrumentation & Control	Final	
Vishva Desai	8238068929	Chemical	Final	
SHAH KALP DEVANGBHAI	9313480691	Chemical	Final	
Sagar Naidu	9105409470	Instrumentation & Control	First	
Rathod mihir	7490034380	Electrical	First	
Hitarth Makadia	94277 37337	Instrumentation & Control	First	
Indrani Kulkarni	8160785262	Instrumentation & Control	First	
Kevin	9328258303	Instrumentation & Control	First	
Jeel amrutiya	6351082475	Instrumentation & Control	First	
Sarvagna Gajjar	9978459144	Electrical	First	
Dhvani Parikh	7575861686	Instrumentation & Control	Final	
Chirag	8320478209	Chemical	First	
Yash Ketan bhagat	9429183713	Mechanical	Final	
Rathod Jayraj G	9652114921	Mechanical	Final	
Parekh Manan T	9313205256	Mechanical	Final	
Saakshi	9825571779	Instrumentation & Control	First	
Nishant Shah	9173445009	Instrumentation & Control	First	
Shruti Manjare	9638113727	Instrumentation & Control	Third	
Krupal contractor	6353247007	Instrumentation & Control	Final	
Dhruvil Bardoliwala	7990293831	Instrumentation & Control	First	
YASH BATLAWALA	9924990663	Mechanical	Final	
Patel Harsh Prakashbhai	9662343670	Mechanical	Final	
Neelkumar Rakeshbhai Pand	8469784306	Mechanical	Final	
MEHUL ALMAULA	9638173078	Mechanical	Final	
DAKSH TRIVEDI	7990526154	Mechanical	Final	
Bhatt Niketkumar bhautikbha	8200532804	Electron c&Communication	Third	
RAKTIM PANRUI	8980377429	Electrical	First	
Aaryamaan Mehra	9967829001	Instrumentation & Control	First	
Taashna Jariwala	9909613991	AI-DS	Third	

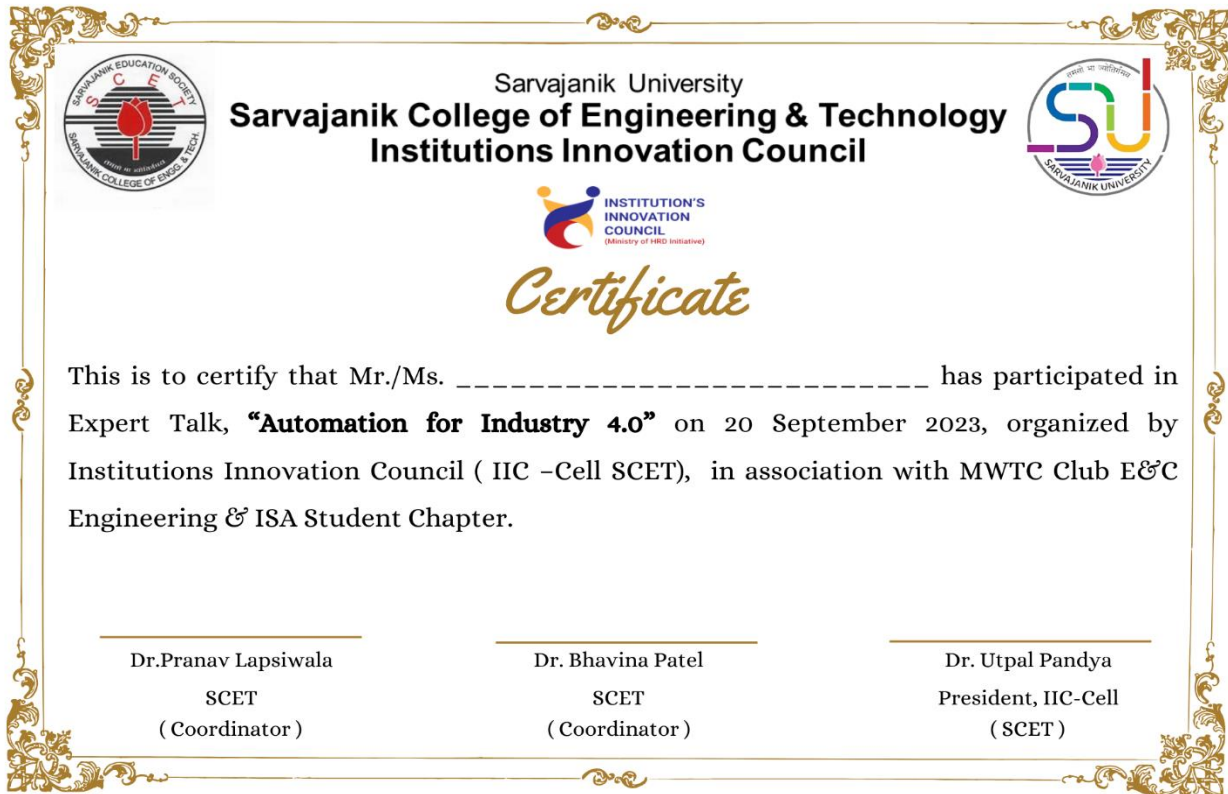
Parthiv Ijardar 9879430244 Instrumentation & Control final

Patel Harshkumar Dharmeshbhai 9574427933 mechanical final

Name	Contact No	Branch	Year	Sign
Shivam Vyas	8347107933	Instrumentation & Control	Third	<u>Shivam</u>
Samarth Jadhav	9712650044	Instrumentation & Control	Final	
Hiteshree V Varsale	9427100794	Instrumentation & Control	Third	<u>Hiteshree</u>
Dev Desai	9638871456	Instrumentation & Control	Final	<u>Dev</u>
Namya Hekkad	9081254673	Instrumentation & Control	First	
Abhik Karmakar	9510587984	Instrumentation & Control	Second	
Devin Patel	7698901710	Instrumentation & Control	Second	
Butani rutu	6354233809	Instrumentation & Control	Third	<u>Rutu</u>
Mechanic Nikita Dharmeshbhai	9723709771	Instrumentation & Control	Third	<u>Nikita</u>
Purva Patei	9638990609	Instrumentation & Control	Second	
Priyanshu surti	9313503464	Instrumentation & Control	Second	<u>Priyanshu</u>
Drashni Joshi	8849096343	Instrumentation & Control	Third	<u>Drashni</u>
Vidhi Pathak	8320214511	Instrumentation & Control	Third	<u>Vidhi</u>
Velan AryanKumar Rameshbhai	9898477474	Instrumentation & Control	First	<u>Velan</u>
Jaykumar Patel	7016276366	Instrumentation & Control	Final	<u>Jaykumar</u>
Darsh R Rana	7778872720	Instrumentation & Control	First	<u>Darsh</u>
Aryan Singh	8780995797	Instrumentation & Control	First	<u>Aryan Singh</u>
shiv patel	8980069705	Instrumentation & Control	First	<u>Shiv Patel</u>
Henli Goyani	8799606371	Instrumentation & Control	First	<u>Henli</u>
Dhyey Desai	7984465702	Instrumentation & Control	First	<u>Dhyey</u>
Jaynika Jeewa	7435975562	Electrical	Third	<u>Jaynika</u>
Sneh Gajera	9979944975	Electrical	First	
Yug Kahar	8866682287	Instrumentation & Control	First	<u>Yug Kahar</u>
Geet Pandey	9033148452	Instrumentation & Control	Third	<u>Geet</u>
Sakshi Thakkar	7622005065	Instrumentation & Control	First	<u>Sakshi</u>
Khushal Dhameliya	9104848160	Instrumentation & Control	First	<u>Khushal</u>
Nirav Ichhuda	6359970685	Instrumentation & Control	First	<u>Nirav</u>
Rohitkumar Prajapati	7318599028	Instrumentation & Control	First	<u>Rohit</u>
Ishaq Malam	8866644055	Electronic & Communication	Final	<u>Ishaq</u>
Aarya Shah	9979941905	Electronic & Communication	Final	<u>Aarya</u>
Chintan Baraiya	8488024316	Instrumentation & Control	Third	<u>Chintan</u>
Meet Patel	8469784306	Mechanical	Final	<u>Meet</u>
Poornavi Menka	9727515332	AI-DS	Third	<u>Poornavi</u>

Patel Kashvi S.	7405207057	mechanical	Final	<u>Kashvi</u>
DHAUVIR PATEL	77788 46747	Instrumentation & Control	Third	<u>D.D Patel</u>
Joshi Shastru	7209574007253	" "	Third	<u>Shashu</u>
Vishal Parmar	72038 73584	" "	Third	<u>Vishal</u>
Shrey Shankh	75758 73997	Instrumentation & Control	Third	<u>Shrey</u>
shiv Patel	86244 71193	Instrumentation & Control	Third	<u>Shiv</u>
Kartavya Bhagat	7696805976	" "	Third	<u>Kartavya</u>
Yash Battawala	9924990668	Mechanical Engineering	Final	<u>Yash Battawala</u>
Taashna Jaiswala	9909613992	Artificial Intelligence & Data Science	Third	<u>Taashna</u>
Sakshi Champaneria	9825571777	Instrumentation & Control	First	<u>Sakshi</u>
Parshil A. Gandhi	9313119141	Instrumentation & Control	afinal	<u>Parshil</u>
Kushin Patel	70162 97126	Instrumentation & Control	Final	<u>Kushin</u>
Parmar Yash	8200314817	Instrumentation & Control	3 rd (Third)	<u>Yash</u>
Fenil Kullariwala	9054613283	mechanical engg	Final	<u>Fenil</u>

Digital Certification copy for Participant



Compiled and Prepared By,
Dr. Pranav B Lapsiwala, Dr. Bhavina Patel