



# Gandhinagar Institute of Technology

A Report on

“Alumni Talk Series - Abhivyakti”

Webinar conducted by Mr Abhishek Shah

(Industrial Automation Version 4.0)

(13<sup>th</sup> June 2020, Saturday)

## Alumni Talk at a Glance:

- Date: 13-06-2020, Time: 11:00 AM, Platform: Google Meet
- Invited Alumnus: Mr. Abhishek Shah,  
Owner/Start-up,  
ICES Solutions.
- Passout Year: 2012 EC dept.
- Host: Prof Vineeta Nishad & Moderator: Prof Hardik Bhatt
- Around 38 participants attended the alumni talk including students, faculties and alumni and learned about the industrial automation sector and its opportunities.

## Objective of the event:

The objective of the Alumni Talk Series - ‘Abhivyakti’ is to organize interactions on a digital platform among current students and alumni on career opportunities and emerging trends of industry in different domains. The experiences and knowledge of alumni who have excelled in performance in their respective fields can motivate and guide the current students of GIT.

## Brief Profile of the speaker:

Mr Abhishek Shah has pursued his Bachelor’s degree in Electronics & Communication Engineering from GIT during 2008-2012. He completed his ME in VLSI and Embedded systems from GTU. He has done internship during his post graduation program at Institute for Plasma Research (IPR). He is an entrepreneur and owns a company named Integral Control & Engimech System Solutions (ICESolutions). He is working in Industrial Automation sector and providing industrial solutions, associate of more than five companies distributor for automation products and serves ISRO, IPR, Aerospace, Defence, Pharma, Biomedical & Cement industries.

## Activities during the event:

Under the banner of Gandhinagar Institute of Technology Alumni Association (GITAA) & SSIP, GIT invited his Alumnus Mr. Abhishek Shah of batch 2008-2012 from Electronics & Communication Engineering department for an expert session on “Industrial Automation Version 4.0”. He is an entrepreneur and working in industrial automation projects at Ahmedabad.

The expert session was held on 13-06-2020 during 11:00 to 12:30 pm on Google Meet platform. Prof Hardik Bhatt gave an introductory speech about the speaker of the session Mr Abhishek Shah. Around 38 students, alumni and faculties participated in this expert talk on recent trends and advancements in embedded and automation sector. Alumni Mr Abhishek Shah inspired the students with the story of his journey as an entrepreneur. He explained about the opportunities for an EC engineer in the fields of embedded system, communication, networking, digital signal

processing and automation. He gave the details of the methodology and application levels in hardware and software control technology.

He guided the students about the necessary skill sets to be developed for becoming industry ready like various programming languages- FPGA, Verilog, Python, Perl, C, C++ and tools like-PLC, HMI, SCADA etc. He explained about different kinds of sensors like proximity, ultrasonic etc, different instruments like motor, drive switchgear etc, controllers and cloud database management in detail. He solved many queries of the students regarding career choices and job opportunities in EC domain. The session was concluded with vote of thanks given by faculties of the EC department.

**Outcomes of the event:**

The Alumni Talk has facilitated interactions of students with alumni for career development & skills needed for grasping better job opportunities. The students were very enthusiastic to learn about present industry scenario in automation field.

**Feedback from students:**

The explanation of industrial automation was very good and the experiences and journey of alumni after BE for start-up was very inspiring.

- Dipen Patel  
8<sup>th</sup> BE (EE) (160120109022)

The webinar was very informative and I learned a lot from industrial automation evolution examples.

- Patel Nirali  
2<sup>nd</sup> BE (IT) (190120116073)

**Feedback from faculty:**

The session was wonderful and interactive. Our current students are really encouraged by the journey and experiences of the alumni. The alumni gave good examples to correlate education with industry approaches.

- Prof. Chintan Patel  
Asst. Prof, EC Department

**Feedback from Alumni Expert:**

I am thankful to GITAA for inviting me to share my experiences and meet my faculties again. I hope that students will get inspired from my start-up journey and become aware about the industry advancements in automation sector. It was such a good interaction with the young engineers. I would be very happy to guide the students in future also.

- Mr. Abhishek Shah  
Owner, ICES Solutions.  
Contact No: 9913048964  
Email: abhishek.shah@icessolutions.in

Photo Gallery:



Webinar  
"Industrial Automation  
Version 4.0"

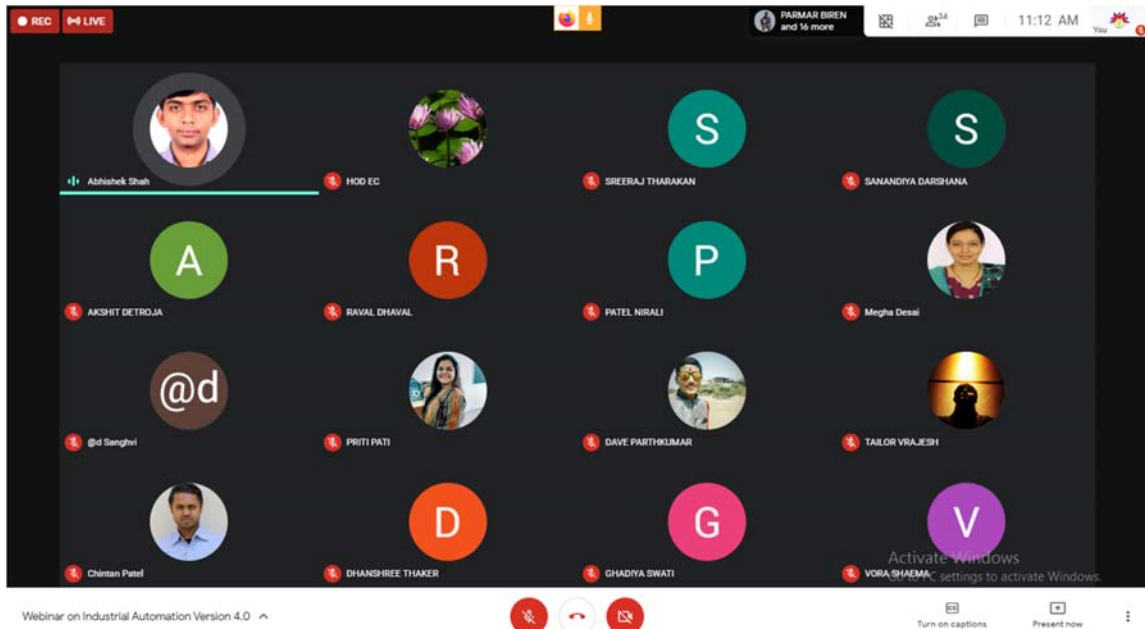


Mr Abhishek Shah  
Owner of ICES Solutions

13<sup>th</sup> June 2020 || 11:00 AM

[f@GITOfficialwebsite](#) [t@GIT Institute](#) [in@Gandhinagar Institute of Technology](#) [i@git\\_institute](#) [y@gitorgin](#)  
Khatraj-Kalol Road, Moti Bhojan, Ta. Kalol, Dist. Gandhinagar - 382721 Ph: +91 9904405900, Email: director@git.org.in

Social Media Creative of the webinar



Alumni Expert talking about his professional journey

REC LIVE Abhishek Shah is presenting

## INDUSTRY 4.0

- Industry 4.0 is very Important Topic today Due to big Influence of manufacturing.
- It is basically making smart Environment in manufacturing process.

- 1st Industrial Evolution: Machine and Utilization of materials.
- 2nd Industrial Evolution: Mass Production
- 3rd Industrial Evolution: Employing Automation
- 4th Industrial Evolution: cyber physical system (Machine talking to Machine)

Webinar on Industrial Automation Version 4.0

People (37) 35 Chat

Abhishek Shah HOD EC

SREERAJ THARAK... SANANDIYA DAR...

AKSHIT DETROJA RAVAL DHAVAL

DAVE PARTHKUMAR Megha Desai

@d Naitik Trivedi

TINWALA HOZEFA PATEL DHRUMIL

VORA SHAEMA

Alumni explaining about Industrial Evolution example

REC LIVE Abhishek Shah is presenting

## AUTOMATION HIRARCHY

Management: Manufacturing Execution System

Operations: Totally Integrated Automation Portal, SCADA System, Energy Management

Control: Engineering Frameworks, Controller, HMI, IPC, Communication, Motion Control

Field: Power Supply and Distribution, Industrial Identification, Distributed I/O, Drive Systems, Industrial Controls

Added value in all automation tasks: Integrated Engineering, Industrial Data Management, Industrial Process Optimization, Industrial Security, Safety Integrated

Webinar on Industrial Automation Version 4.0

People (39) 39 Chat

Abhishek Shah HOD EC

SREERAJ THARAK... SANANDIYA DAR...

AKSHIT DETROJA RAVAL DHAVAL

DAVE PARTHKUMAR Megha Desai

@d Naitik Trivedi

TINWALA HOZEFA TAILOR VRAJESH

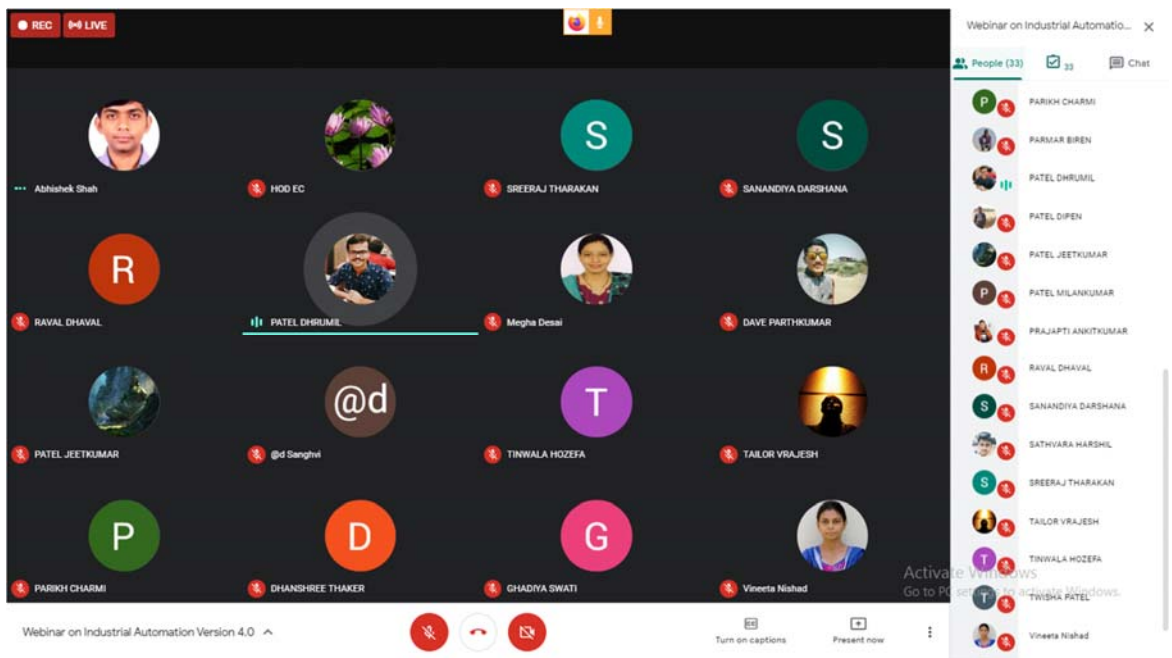
PARIKH CHARM

PERIYAR BIBHU

Alumni explaining about opportunities in automation sector



Alumni explaining about Industrial Automation Version 4.0



Alumni interacting with the audience and solving their queries