



**Report**  
**of**  
**Inaugural Ceremony**  
**of**  
**GUJARAT TECHNOLOGICAL**  
**UNIVERSITY**  
**Centre of Excellence in Automation**  
**In Association With**  
**Bosch-Rexroth, Germany**  
**&**  
**Vishwakarma Government**  
**Engineering College**

**Date: 3<sup>rd</sup> February, 2017**

Gujarat Technological University has initiated to build Centre of Excellence (COE) in I-4.0 frontiers of today's technology in Automation Technologies in association with Bosch-Rexroth India Limited (BRIN) with an objective of developing industry institute partnership in the field of Automation, Mobile Hydraulic, Automobile, and Mobile Electronics Technologies to bridge technology gaps between industry and academia to foster research and knowledge among the students at GTU.

In this respect, first Centre of Excellence is being established at Vishwakarma Government Engineering College (VGEC), Chandkheda, Ahmedabad. This centre will act as a place to educate Automation Technologies to students with focus on Training, Knowledge transfer, Research Projects, Application Oriented Research and Innovation. These centres will improve employability with latest skill sets and provide opportunities for developing entrepreneurs based on advance technology. The main goal of the centre would be to improve the technical competence, employability and entrepreneurship of UG & PG students who train at the centre and encourage students to pursue PG programs.

Following five technical labs will be structure under CoE.

- Pneumatic Lab.
- Hydraulic Lab.
- Robotic Lab.
- Mechatronics Lab.
- Sensor Lab.

Country's first highly sophisticated Five labs were inaugurated by Shri. Jaydrathsinhji Parmar, Hon. Minister State, Education Department, Government of Gujarat on 3rd february,2017 and addressed the students after inaugurating the labs and said that, "these labs will be useful for students of Mechanical Engineering, Electronics and Communications, Instrumentation and Control and Mechatronics. I want to urge engineering students that focus on problems nearby you and think about technological solutions. Such an attitude will create an innovative project which can be converted into a start up. I want to assure you that such social entrepreneur units will get sufficient fund from Government of Gujarat. GTU is a nodal agency for state government. You will get training as well as fund from GTU for your start up."

On this occasion, Prof. (Dr.) Navin Sheth, Hon. Vice Chancellor of GTU announced to start short term bridge courses under skilling India Mission. GTU Telecom Centre of Excellence will be set up in 10 colleges i.e. two Centres in each Zone. These Centres will be set up with the funding from Government of Gujarat and Tejas Network. Preparations are on for setting up GTU Welding Centre of Excellence in L.D. College of Engineering and that will be inaugurated shortly. Such Centres will be helpful to make students industry-ready. For these Centres 75% funding will be given by Government of Gujarat and 25% fund to be given by Industry.

Mr. Hans Bangert, MD Bosch-Rexroth-India and Deepak Chelani, Director of the company were also present in the ceremony. Mr. Bangert said that whole world is moving in the direction of automation. i4.0 latest automation technology will be available for GTU

students. I-4.0 is combining industry with InfoTech under Automation. It connects people with machines and products to increase productivity. Automation will provide employment opportunities to illiterate people too. People will be key player in automation.

Dr. Nilesh Desai, Deputy Director of ISRO gave detail of how automation will be helpful in Chandrayaan-2 and this i-4.0 automation technology can provide same practical exposure to students.

Dr. Rajul Gajjar, Principal of Vishwakarma Government Engineering College and Director of GTU gave detail of the labs with an excellent example of Amul Milk bottling plant and Boeing plane manufacturing process. Automation will bring major changes. Looking at this perspective, we have to work together to prepare for industry automation. The effort behind CoE is to make our engineering students industry-ready.

At last, Dr. J. C. Lilani, Registrar of GTU inform all students to maximum utilize this CoE to make their bright future and proposed Vote of Thanks.

## **PHOTO GALLERY**













## NEWS HIGHLIGHTS

### જીટીયુ વાઈસ ચાન્સેલરની જાહેરાત GTUના દરેક ઝોનમાં ટેલિકોમ એક્સેલેન્સ સેન્ટરો સ્થાપાશે

વિશ્વકર્મા ગવર્નમેન્ટ એન્જિનિયરિંગ કોલેજ ખાતે જર્મન ટેકનોલોજીવાળી 5 ઓટોમેશન લેબનુ ઈનોવેશન કરાયું.

સિટી રિપોર્ટર @ahm\_cb

મિકેનિકલ એન્જિનિયરિંગ, ઇલેક્ટ્રોનિક્સ એન્ડ કોમ્યુનિકેશન અને મેકાનોમિક્સ જેવા વિષયોમાં સ્ટડી કરી રહેલા એન્જિનિયરિંગના વિદ્યાર્થીઓ માટે વિશ્વકર્મા ગવર્નમેન્ટ એન્જિનિયરિંગ કોલેજ ખાતે ભારતનું સૌ પ્રથમ સેન્ટર ઓફ એક્સેલેન્સ ફોર ઓટોમેશનની સ્થાપના કરાઈ હતી. જર્મન કંપની બોશ રોક્સરોથના સહયોગથી સ્થાપવામાં આવેલા સેન્ટરમાં ઓટોમેશન ટેકનોલોજી વિશે સ્ટુડન્ટ્સ ગ્લોબલ લેવલનું નોલેજ અને રિસર્ચ કરી શકશે.



આ પ્રસંગે રાજ્યકક્ષાના શિક્ષણમંત્રી જયદ્રથસિંહ પરમારે કહ્યું કે, 'ઉદ્યોગોની સમસ્યાઓ પર ધ્યાન કેન્દ્રિત કરો. ગુજરાત સરકાર વતી હું તમને ખાત્રી આપુ છું કે જો તમારો પ્રોજેક્ટ ઉદ્યોગ અને સમાજ ઉપયોગી હશે તો અમે તમારી મદદ કરીશું. જીટીયુ ગુજરાત સરકારની સ્ટાર્ટ અપ માટેની નોડલ એજન્સી છે. તમારા ઈનોવેટીવ અને સ્ટાર્ટ અપના આઈડિયાની અરજી જીટીયુ મારફતે મોકલશો તો જરૂરી ફંડ મળી રહેશે.'

### ઈસરો-જીટીયુ સાથે પ્રોજેક્ટો હાથ ધરશે

ઈસરોના નાયબ નિયામક ડૉ. નિલેશ દેસાઈએ ચંદ્રયાન-2 અંતર્ગત મૂન રોવર પ્રોગ્રામમાં મેકટ્રોનીક અને રોબોટિક્સનો ઉપયોગ કેવી રીતે થશે? તેની સમજાવવા માટે આપી હતી. તેમણે કહ્યું કે, 'ઈસરો-જીટીયુના સહયોગમાં સ્પોન્સર્ડ રિસર્ચ પ્રોજેક્ટ્સ હાથ ધરાશે. આ સેન્ટર અંતર્ગત વિદ્યાર્થીઓને ઉદ્યોગ સાહસિક બનવા તેમજ રોજગારી માટે જરૂરી જ્ઞાન અને તાલીમ પૂરી પાડવામાં આવશે. જેમાં એકસાથે 84 વિદ્યાર્થીઓને તાલીમ આપી શકાશે.'

### જીટીયુ સંલગ્ન 10 કોલેજમાં ટેલિકોમ સેન્ટર ઓફ એક્સેલેન્સ સ્થાપાશે

જીટીયુના વાઈસ ચાન્સેલર નવીન શેઠે મહત્વની જાહેરાત કરતાં કહ્યું કે, 'ગુજરાત સરકાર અને તેજસ નેટવર્ક કંપનીના સંયુક્ત સહયોગથી જીટીયુના દસ સેન્ટરો સ્થાપવામાં આવશે. આ સેન્ટરો સ્થાપવામાં 75 ટકા ભંડોળ સરકાર પૂરું પાડે છે, જ્યારે 25 ટકા ફંડ ઉદ્યોગો પાસેથી મેળવવામાં આવે છે.'

## Trade protectionism will not affect us: Bosch

The firm is eyeing automobile, tractors, railway, infra, energy & oil biz in India

DNA Correspondent @dnaahmedabad

**Ahmedabad:** The recent trend of protectionism in trade and exiting out of trade blocks will not affect Bosch Rexroth India, a top official of the company said on Friday.

The company has widespread manufacturing facilities across geographies.

"We have our centres, where our markets are. It helps us connect better with the customers," Hans Bangert, MD of Bosh Rexroth India Limited told media persons on sidelines of a programme, where the company dedicated a Centre of Excellence at Vishwakarma Government Engineering College on the outskirts of the city. Recently the US is increasingly resorting to protectionist measures to increase local production and to create jobs locally. Earlier, Britain voted to move out of European Union, of which Germany is a key player.

The automation major has facilities at Bengaluru and Sanand

“We have our centres, where our markets are. It helps us connect better with the customers.”  
**-Hans Bangert,**  
MD, Bosch Rexroth India Limited



in Gujarat, from where it provides automation solutions to various companies, especially auto OEMs. The company is eyeing automobile, tractors, railway, infrastructure, energy and oil businesses in India. "Of late there is a trend of highly automatised tractors in developed countries. Such products are picking up in India as well," said Bangert.

Rajul Gajjar, principal of VGEC said that the CoE has come up in very short time with an investment, where state government allocated Rs3 crore. "Students will get hands on experience on state of art machines, which are not even adapted by the industry," she said.

Navin Sheth, vice chancellor of Gujarat Technological University said that the academia - industry partnership will partly solve the problem of job-ready pass out graduates for the industry.