

# Government Polytechnic Jamnagar

# PRAGYAAN

## Computer Department

### Major Highlight of The Issue

**:Editor:**

**Payal V. Patel**

**:Students Team:**

**Jani Shivani**

**Punjani Vishwa**

**Vekaria Kevin**

**Online Teaching  
Activities At  
Glance**

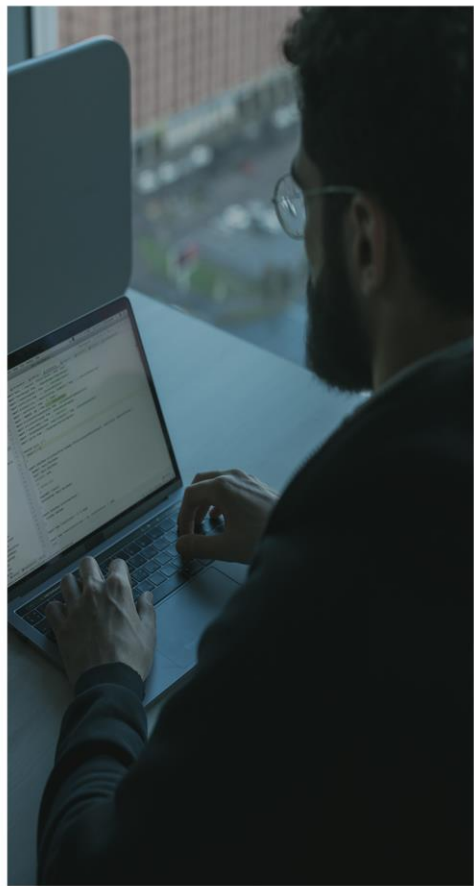
**Business Need To  
Adopt The  
Holistic Automation  
Approach**

**Vision  
Mission  
PEOs  
PSOs  
of Computer Dept**

**26-01-2021  
Republic Day  
Celebration**



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## FROM THE DESK OF HEAD OF DEPARTMENT

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It is a pleasure to head the department of Computer Engineering Branch. Computers have become an inherent part of our routine life. No department or business can be thought of being fully functional and automated without the use of computers.

Computer engineering helps students widen their creative horizon and provide solutions to the problems people haven't thought about yet.

Our department provides a platform for the students to enhance their employability skill which helps us in achieving our objective of preparing students for a successful career.



## Vision of the Dept

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To become a centre of excellence and generate competent professionals in the field of computer engineering for the betterment of the nation and society at large.

## Mission of the Dept

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**M1:**To inculcate into students practical skills.

**M2:**To facilitate students with suitable environment to develop their logical and analytical skills

**M3:**To make available modern technology and related tools for hands-on experience.

**M4:**To inculcate interpersonal skills and ethical values into the students so that they can become successful professionals.

## PEOs

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**PEO1:** Pursue higher education in engineering to enhance knowledge and skills gained in diploma.

**PEO2:** Develop career as professional in software industry, networking, database administration etc.

**PEO3:** Develop innovative and entrepreneurial attitude in order to start an enterprise.

## PSOs

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**PSO1:** Able to develop computer software such as web applications and desktop applications using appropriate tools.

## ONLINE TEACHING ACTIVITIES AT GLANCE

Planning is essential for an online classroom environment. Virtual students are different - their needs are different from their physical counterparts. Faculties were ready with syllabus and materials before class starts. This will give new students an opportunity to see if classroom (the deadlines, materials and other requirements) can fit into their lives.

Induction Phase of first semester students were successfully completed in October month.



In November first week, submission was successfully completed in 3rd semester and 5th semester. Special thanks to all staff

members, who made this possible and successful. After that in November month 8 Nov 2020 to 18 Nov 2020 Diwali vacation was there. From 19th Nov 2020, students' teaching was resumed successfully.

4<sup>th</sup> semester and 6<sup>th</sup> semester students' teaching has started successfully in December 2020. With this in 3<sup>rd</sup> semester, C to D student's lectures also completed successfully in December month.

With teaching activities, all the staff members, also doing their other duties. All the staff members are always stay passionate about their work.

## WEBINAR SERIES

The SCOPE (Society for Creation of Opportunity through Proficiency in English) in association with Cambridge English Assessment was organizing an online English programme “Webinar Series” for students.

Topics of “Webinar Series” were as follows:

- Preparing for Work – CV Writing & Interview Skills,
- Negotiating Skills,
- Business Etiquettes,
- Email Writing and
- Presentation Skills.

Webinar was helpful for students to improve their software skills and also helpful to them in the actual organizational work.

1. **TITLE:** Negotiating Skills  
**DATE:** 19/11/2020
2. **TITLE:** Preparing for Work – CV writing & interview skills  
**DATE:** 20/11/2020
3. **TITLE:** Email Writing  
**DATE:** 21/11/2020
4. **TITLE:** Presentation Skills.  
**DATE:** 23/11/2020
5. **TITLE:** Business Etiquette  
**DATE:** 24/11/2020



The flyer is titled "Free Webinar Series" and features a grid of five webinar topics: Negotiating Skill, CV writing & Interview Skills, Email Writing, Presentation Skill, and Business Etiquette. Each topic includes a date, a link to the webinar, and a star rating. The event is presented by Ian Cawley, a speaker with 20 years of experience in English language teaching and assessment. The flyer also mentions that an E-Certificate will be issued to registered candidates. The event is scheduled for 11:30 AM to 01:00 PM. The SCOPE logo and contact information are also present.

**Free Webinar Series**  
It's Great time to learn new skills

**SCOPE**  
( SOCIETY FOR CREATION OF OPPORTUNITY THROUGH PROFICIENCY IN ENGLISH )

PRESENTS

**Fully Updated and Useful**

**WEBINAR SERIES BY IAN CAWLEY**  
(CAMBRIDGE ASSESSMENT ENGLISH, U.K)

Block your Dates, as below..

Negotiating Skill	CV writing & Interview Skills	Email Writing	Presentation Skill	Business Etiquette
★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Dt.19-11-2020 Thursday	Dt.20-11-2020 Friday	Dt.21-11-2020 Saturday	Dt.23-11-2020 Monday	Dt.24-11-2020 Tuesday
<a href="https://bit.ly/SCOPE-Webinar19.11">https://bit.ly/SCOPE-Webinar19.11</a>	<a href="https://bit.ly/SCOPE-Webinar20.11">https://bit.ly/SCOPE-Webinar20.11</a>	<a href="https://bit.ly/SCOPE-Webinar21.11">https://bit.ly/SCOPE-Webinar21.11</a>	<a href="https://bit.ly/SCOPE-Webinar23.11">https://bit.ly/SCOPE-Webinar23.11</a>	<a href="https://bit.ly/SCOPE-Webinar24.11">https://bit.ly/SCOPE-Webinar24.11</a>

TIME - 11:30 AM TO 01:00 PM

**SPEAKER**  
**IAN CAWLEY**

Ian has been involved in English language teaching and assessment for more than 20 years, with his time fairly evenly split between working overseas with the British Council, where he worked as a Teacher, Academic Manager, Examiner Trainer and Exam Centre Manager, and working for Cambridge Assessment English in the UK.

**The E-Certificate**  
will be issued to registered candidates on successfully attending the webinar.

[www.scopegujarat.org](https://www.scopegujarat.org)

SCOPE  
Society for Creation of Opportunity through Proficiency in English  
A Government of Gujarat Initiative

Faculty Block, First Floor, "Pragna Puram"(KCG Campus),  
N. L D Engineering College, Opp. P.R., Navrangpura,  
Ahmedabad, Gujarat - 380015

### CONDUCTED BY:

**Lan Cawley**

Cambridge Assessment English,U.K.

**Ms. Manasi Saraswat**

Joint C.E.O – SCOPE

**Joshua Gnanakkan**

Cambridge Assessment English

### ORGANIZATION:

**SCOPE - Society for Creation of Opportunity through Proficiency in English**

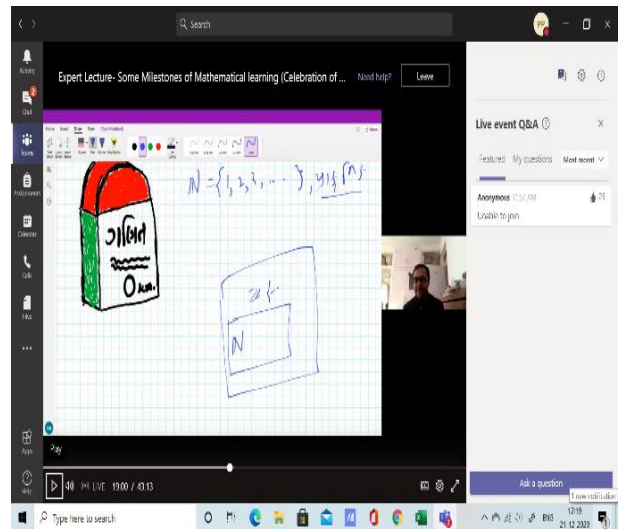
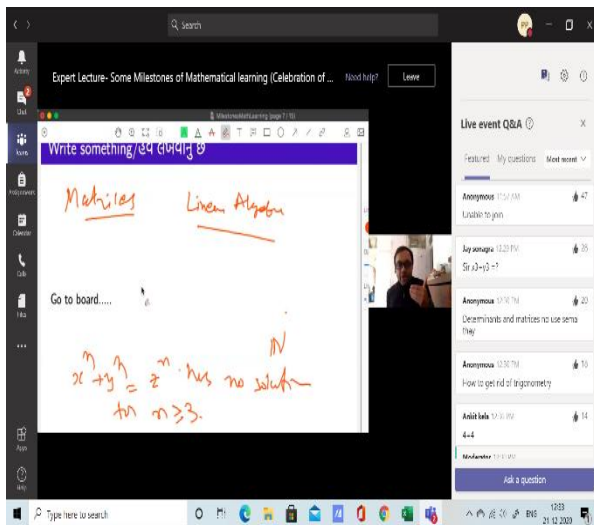
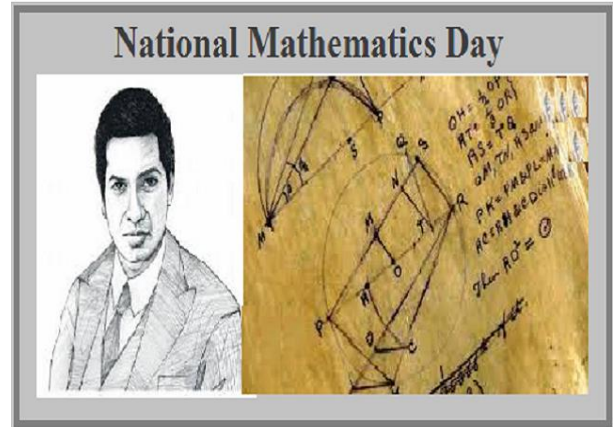
We are thankful to the subject experts for conducting the webinar and share their expertise with the students.

# WEBINAR

22<sup>nd</sup> December is celebrated as National Mathematics day across the country from 2012 to honor Indian mathematical genius Srinivasa Ramanujan.

A webinar was organized on “Some Milestones of Mathematical Learning” in order to celebrate National Mathematics Day, as a part of the ongoing co-curricular activities.

students benefited from the activity and gave an overwhelming response.



Our students had participated in this event on that day. The presentation covered the importance of the subject which will be very helpful to the students advancement of their career in future. All the

We are thankful to the subject expert SHRI Dr. Gautam G. Borisagar for conducting the webinar and share their expertise with the students.

**TITLE: SOME MILESTONES OF MATHEMATICAL LEARNING**

**DATE: 21/12/2020**

**TIME: 11:30 AM**

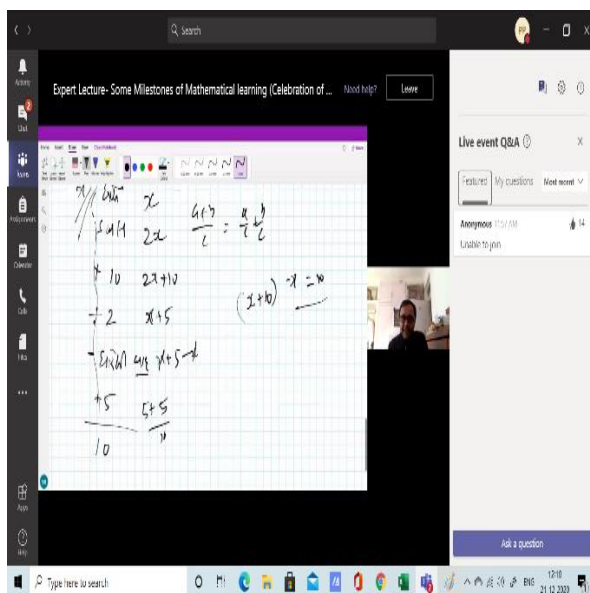
**PATRON: SHRI. A. K. ZALA**

**CONDUCTED BY:**

**SHRI. DR. GAUTAM G. BORISAGAR**

**Assistant Professor in Mathematics,  
Department of Mathematics,  
IITRAM, Ahmedabad**

**ORGANIZED BY: GOVERNMENT  
POLYTECHNIC, JAMNAGAR AND L. E.  
COLLEGE, MORBI (Diploma)**





# WEBINAR

Honorable Prime Minister Shri Narendra Modi ji urged startups and entrepreneurs to develop innovative “toys and games, for India and of India” to meet domestic demand and increase its share in the global toy business, estimated at Rs 7 lakh crore. To create indigenous technology in Toy Industry and as a part of Atmanirbhar Bharat i-Hub is launching Mind to Market innovation challenge for Toy Industry. This initiative will help us to develop a responsive ecosystem to connect the youth of India and empower them to contribute with their ideas, energy, and technical prowess to serve the Nation.

A webinar was organized on the subject of “M2M Toy Innovation Challenge” in order to make the students aware of having Startups and Innovation.

A Webinar was organized on Date: 29/12/2020 by Government Polytechnic, Jamnagar. Our students had participated in this event on that day.



M2M Toy Innovation Awareness Webinar - GP Jamnagar

### About i-Hub

- Registered under Section 8 of the companies Act 2013, is envisioned to be centre for all Startup stakeholders to develop an end-to-end innovation and entrepreneurial ecosystem in the State of Gujarat
- Spread over 15,000 sq mt area
- Services by i-Hub
  - Futuristic and advanced technology labs
  - Industrial training partners
  - Flexible and collaborative co-working space
  - Techno-commercial mentoring
  - Regulatory and advisory services
  - IPR support
  - Networking
  - Capacity building
  - Infrastructure

We are thankful to the webinar speaker Mr. Rajdeep Borsaniya for conducting the webinar and share their expertise with the students.

**TITLE: M2M Toy Innovation Challenge**

**DATE: 29/12/2020**

**TIME: 4:30 PM TO 5:15 PM**

**ORGANIZED BY:**

**Mr. Vinod Tejwani and Mr. Sagar Vegad, from Electrical Department**

**Mr. Rajdeep Borsaniya, from EC Department**

**Government Polytechnic, Jamnagar**



**YOUTUBE LINK:**

**<https://www.youtube.com/watch?v=fMOaC6t8DaE>**

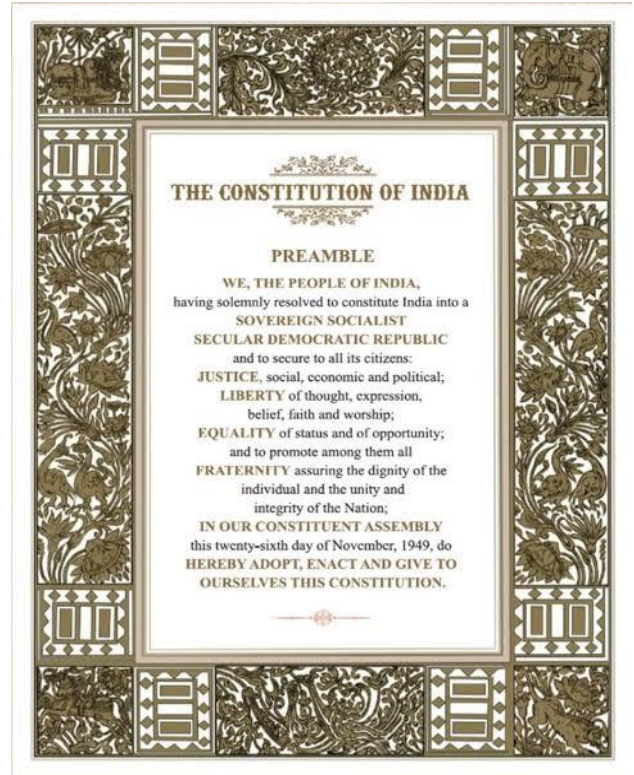
# THE CONSTITUTION OF INDIA

## PREAMBLE

Preamble declares India to be a sovereign, socialist, secular and democratic republic.

Constitution Day also known as 'Samvidhan Divas', is celebrated in our country on 26th November every year to commemorate the adoption of the Constitution of India. On 26th November 1949, the Constituent Assembly of India adopted the Constitution of India, which came into effect from 26th January 1950.

The Ministry of Social Justice and Empowerment on 19th November 2015 notified the decision of Government of India to celebrate the **26th day of November** every year as 'Constitution Day' to promote Constitution values among citizens.



**TITLE : CONSTITUTION DAY**

**DATE : 26/11/2020**

**VENUE : Government Polytechnic, Jamnagar**

**PATRON : SHRI. A. K. ZALA, PRINCIPAL**

**SPEAKER :**

**SHRI. Dr. NIRAV SHAH**  
**From General Department**

**SHRI. KAUSHAL SHAH**  
**From Computer Department**

**ORGANIZED BY: Government Polytechnic, Jamnagar**

## ભારતનું સંવિધાન

### આમુખ

અમે ભારતના લોકો ભારતને એક સાર્વભૌમ સમાજવાદી  
બિનસાંપ્રદાયિક લોકનૈત્રાત્મક પ્રજાસત્તાક તરીકે સંસ્થાપિત  
કરવાનો  
તથા તેના સર્વ નાગરિકોને :  
સામાજિક, આર્થિક અને રાજકીય ..... ન્યાય  
વિચાર, અભિવ્યક્તિ, માન્યતા,  
ધર્મ અને ઉપાસનાની ..... સ્વતંત્રતા  
દરજ્જા અને તકની ..... સમાનતા  
પ્રાપ્ત થાય તેમ કરવાનો,  
અને તેઓ સર્વમાં  
વ્યક્તિનું ગૌરવ અને રાષ્ટ્રની  
એકતા અને અખંડતા સુદૃઢ કરે એવી ..... બંધુતા  
વિકસાવવાનો  
ગંભીરતાપૂર્વક સંકલ્પ કરીને

અમારી સંવિધાન સભામાં ૨૬ નવેમ્બર, ૧૯૪૯ના રોજ  
આથી આ સંવિધાન અપનાવી, તેને અધિનિયમિત કરી  
અમને પોતાને અર્પિત કરીએ છીએ.



# 11<sup>th</sup> NATIONAL VOTERS DAY 2021 CEREMONY

11th National Voters' Day was celebrated across the country on January 25, 2021

District Election Office, Jamnagar has organized 11th National Voters Day celebration function on Date: 25-01-2021. The theme for NVD 2021 is 'Making Our Voters Empowered, Vigilant, Safe and Informed.' This is a reiteration of the commitment of Election Commission of India (ECI) to conduct COVID-safe elections, as well as to make each voter informed, ethical and vigilant.

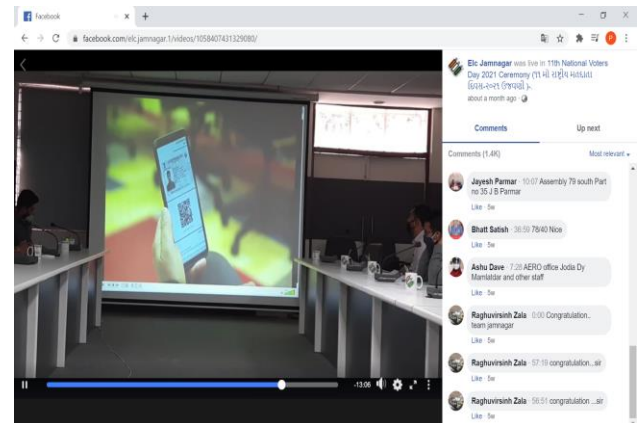
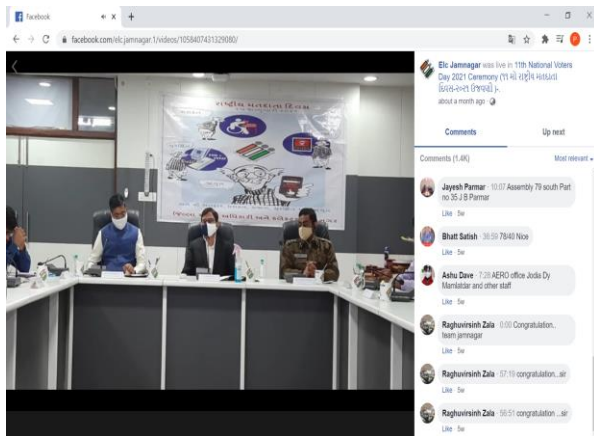
right to vote for the first time, to exercise their franchise with the utmost sincerity and inspire others too to do so.

Our students had participated in this event on that day.

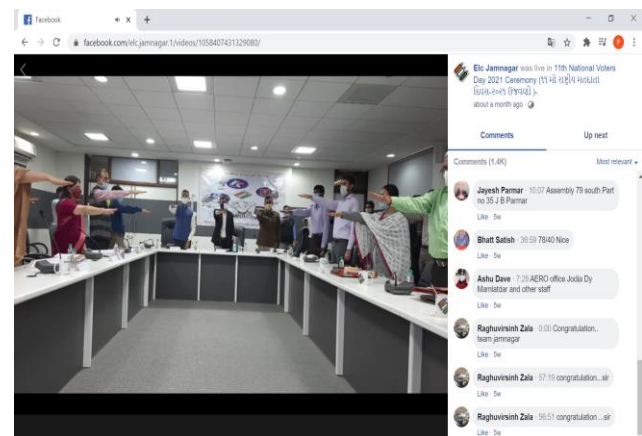
Event was live telecast on Facebook.

The Facebook link is given bellow:

<https://www.facebook.com/events/406985993731069/>



It is the responsibility of all of us, especially our youth, who get the



Mr. RAJEEV B. Dabhi was honoured by Best Sector Officer of 78 Jamnagar Assembly. He is from Civil Engineering Department, Government Polytechnic College, Jamnagar. We heartily congratulate him for this.



In our Computer Engineering Department staff members and the students have taken pledged at Government Polytechnic College, Jamnagar.

# REPUBLIC DAY CELEBRATION

Republic Day honours the date on which the Constitution of India came into effect on 26 January 1950 replacing the Government of India Act as the governing document of India and thus, turning the nation into a newly formed republic.

26th January is a day on which every Indian heart fills up with patriotic fervour and immense love for motherland.

Under the Covid-19 guidelines, On Date: 26/01/2021 Republic Day was celebrated in Government Polytechnic, Jamnagar College. On this day Mr. Satishkumar Gauri, from Mechanical Department and Mr. Kamil Shaikh, from Applied Mechanics had very nicely put four moons in the celebration with their melodious voice.



**TITLE : REPUBLIC DAY CELEBRATION**

**DATE : 26/01/2021 TIME : 8:45 AM**

**VENUE : Government Polytechnic,  
Jamnagar**

**ORGANIZED BY: Government  
Polytechnic, Jamnagar**





## NBA MEETING

NBA was established by the All India Council for Technical Education (AICTE) in 1994 and operated as an autonomous body since 2010. In near future the department aspires for NBA accreditation. We are working hard towards providing best to our stakeholders. We have organized many meetings with NBA Experts and Mentor.

Mr. C. G. Ajudia is doing his duty of NBA co-ordinator in Computer Department. With this at Department level Criteria In charge is also defined. All the staff members doing their duties very well, related with NBA.

For achieving our target, we have organized many meetings with our Computer Engineering Department as well as at the Institute Level.

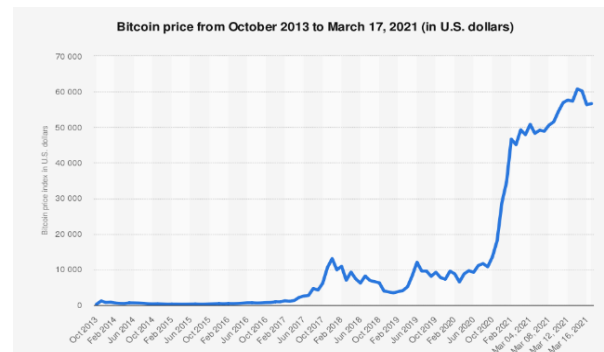
# BITCOIN

Bitcoin is a decentralized digital currency, without a central bank or single administrator, that can be sent from user to user on the peer-to-peer bitcoin network without the need for intermediaries.



Bitcoin has broken the key resistance level making investors believe there is further upside. Rising inflation and the potential for even more stimulus continues to push people to safe-haven assets. Increased adoption from payment applications like PayPal will give far more people easy access to cryptocurrency. Publicly traded companies purchasing Bitcoin shows a high level of confidence in its appreciation. Bitcoin's historical trend of closely following its halving stock-to-flow model shows an ambitious and extremely bullish outlook.

## Tremendous Increase in Price of Bitcoin



Six months ago, the price of one Bitcoin was ₹ 8,25,000 and today Bitcoin is trading for ₹ 441,64,325 which is approximately a 405% rise in the price. Ether, the second-largest cryptocurrency in terms of market capitalization, crossed a new high of over ₹ 1,00,000 and rose over 1,000% in value in one year. American payments company, bought \$50 million worth of Bitcoins. Following this, MicroStrategy - a public listed company in the US, converted \$425 million worth of cash reserves into Bitcoin, considering it to be a better store of value.

## Ban of Cryptocurrency in India

On 29<sup>th</sup> January 2021, the government said that it will introduce a bill to create a digital currency and ban all private cryptocurrencies. The recently-revived industry realizes it faces a second existential threat.

The uncertainty around cryptocurrencies in India continues as the government is now planning to propose a new law which will not only ban digital money but will also fine anyone trading in the country or even holding such digital assets.



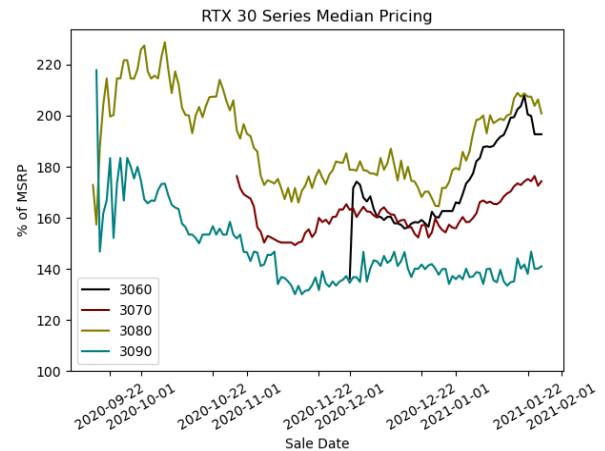
The government has been planning an action against cryptocurrencies for past months but recent comments had given some relief and hope to investors. However, if the new bill is enacted into a law, it will be a point of concern for all miners and investors. This will make India the first major economy to make holding cryptocurrency illegal. Even China, which has banned mining and trading, does not penalise possession.

### **NVIDIA GPU Shortage**

Due to the increase in price of Bitcoin and Ethereum, Mining of Bitcoins and many Other cryptocurrency increased. So, due to that the newly launched GeForce RTX

3080 was out of stock within a few days.

Due to that, people were having no option except the latest RTX 3090 to get the lasted and best graphics card.



And due to shortage Nvidia has suffer a lot. Recently Nvidia is planning to launch special graphics for Ethereum miners.

### **Investment of Bitcoin by Tesla Inc.**

The price of Bitcoin soared 15.4 per cent to around USD 44,500 on 8<sup>th</sup> Feb 2021 in reaction to Tesla's announcement, according to Coinbase.



Tesla revealed the new strategy in a filing with the US Securities and Exchange Commission, saying its investment in digital currency and other alternative reserve assets may grow. Bitcoin has drawn enthusiasts for its scarcity and security but the volatile digital currency is still not widely used to pay for goods and services. It's mostly been a store of value like gold, with some limited merchants like overstock accepting bitcoin for payment.

Tesla has invested \$1.5 billion in bitcoin and plans to start accepting the cryptocurrency as payment "in the near future," the electric automaker said in a Securities and Exchange Commission filing.

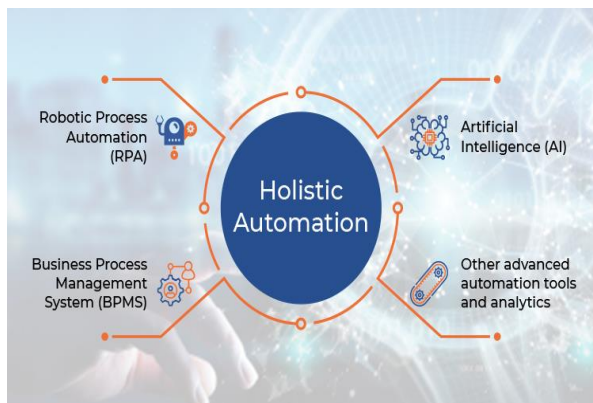
Edited and compiled by:

1. JANI SHIVANI – Sem 5, Computer Dept.
2. PUJANI VISHWA – Sem 5, Computer Dept.
3. VEKARIA KEVIN – Sem 5, Computer Dept.

# BUSINESSES NEED TO ADOPT THE HOLISTIC AUTOMATION APPROACH

The pandemic-led economic uncertainty in 2020 forced organizations to cut spending and focus on operational efficiency.

Organizations are increasingly relying on advanced automation technologies to cut down operational costs and improve efficiency. But it has also become evident that when these technologies are applied, businesses cannot achieve a sustainable long-term return.



Siloed automation may deliver immediate benefits, including reduced operational costs, increased productivity and compliance but fail to deliver the expected return on investment in the long run. A holistic automation approach or Hyperautomation is likely to be the

only way forward to achieve sustained long-term value.

## Key considerations to keep in mind while adapting to a holistic automation approach:

- Re-create your business models making automation an integral part of your operations.
- Invest in automation tools that allow effective work collaboration between your digital and human workforce. Software robots are here to stay but only to augment your human workforce and not replace them.
- It is also important to train your employees for new skill sets as they try and adapt to automation tools. They are going to be an integral part of your overall digital transformation journey.
- Collaborate with technology vendors, that can offer native automation capabilities. Reliance on third-party integrations to achieve holistic automation can be comparatively expensive in the long run.

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## CONTACT INFORMATION

COMPUTER ENGINEERING  
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JAMNAGAR  
VALSURA ROAD, PO. BEDI, JAMNAGAR  
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STATE: GUJARAT, INDIA

### **WEBSITE:**

1. <http://www.gpjm.cteguj.in/programs/detail/205>
2. <https://gpjcomp.wordpress.com/>

## EDITOR

It is my privilege and honor as the Editor-in-chief for the newsletter of Computer Department at Government Polytechnic, Jamnagar.

The main agenda of the newsletter is to provide insights of department like academics and other activities happening at department. Some knowledge regarding current technology etc.

- **Ms. PAYAL V. PATEL**