



# प्रज्ञानम्



## INSTITUTE GLIMPSES

Government Engineering college Patan end searingly known as G.E.C.P is situated at the scenic village katpur Patan city. Started in 2004 with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. It is affiliated with Gujarat Technological University & administrated by Directorate of Technical Education, Government of Gujarat.



## From the Desk of Principal

### Principal



**Dr. H .S. Patel**

I am delighted to welcome you all to the Government Engineering College Patan and I hope to convey the passion and enthusiasm that both staff and students bring to represent our college having a great tradition of developing high technical academic excellence and overall personal growth of the students. The main motive of technical education is to enrich

our students to develop a ability to reason out facts and this is achieved by giving them great scholarly climate, best in class infrastructure, well equipped laboratories, and committed and highly qualified faculty members with many years of educating and modern experience creative and field oriented teaching-learning practices along with other developmental activities.

GECP always navigating the intricate athwart ocean of science and engineering via the power of the human mind, body, and soul. Management, faculty, and staff strive to inculcate students and self-realize the harmony of human life and nature through applications of science, engineering, and technology., As this is precisely our long-term goal. It is what motivates the work of everyone from faculty and staff, to students and alumni. It inspires our teaching and research.

# *Institute Landmarks*

## Mandate

To impart the technical education as per the state and national policy which satisfy the current needs of the society, to interact with the industry and research organizations for the integrated growth, to make the liaison with statutory and professional Organizations and to provide the training and research opportunities to the student and faculties in best possible manner.

## Vision

To prepare Human Resource with value based competency for technical advancements and growth of society.



## MISSION



To deliver technical programs and services to cater the current needs of society and industry.

Helping industries in solving challenges by means of providing best technical human resources

To contribute in sustainable growth of society

*The real life of man  
consists of knowledge*

150th  
Birth Anniversary of  
Swami Vivekananda  
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Prof. M. B. PATEL

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Prof. G.A.PATEL

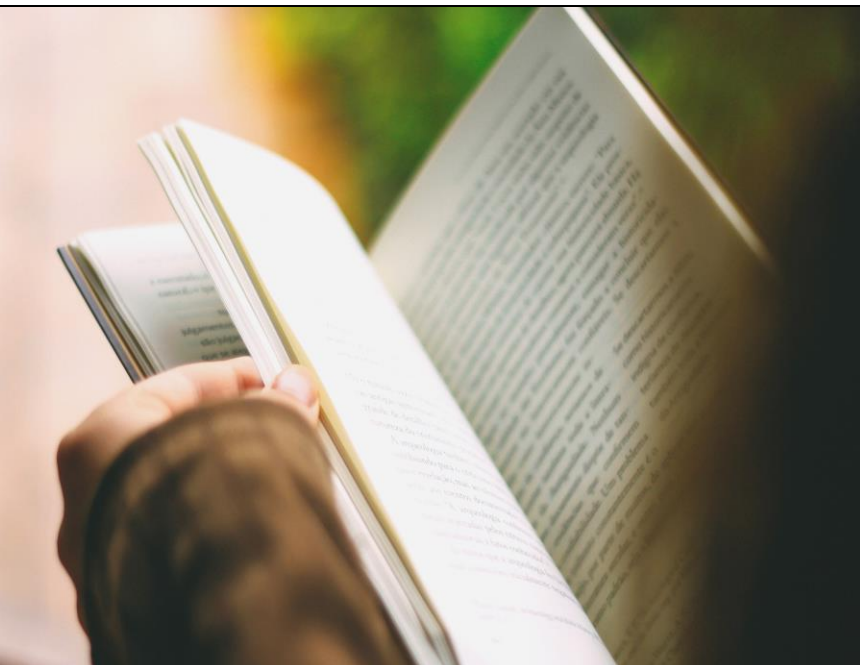
Prof. S.D.JOSHI

Prof. H.B.JETHAVA

Prof.V.P.SONI

Prof. V.D.PATEL

Prof. P. N. NIMODIYA



### Contents

1. Departmental Activities
2. Faculty Activities
3. Student Activities
4. NSS Activities

# NEWSLETTER DETAILS FOR GEC PATAN ( APRIL-JUNE 2023)

## 1. DEPARTMENTAL ACTIVITIES

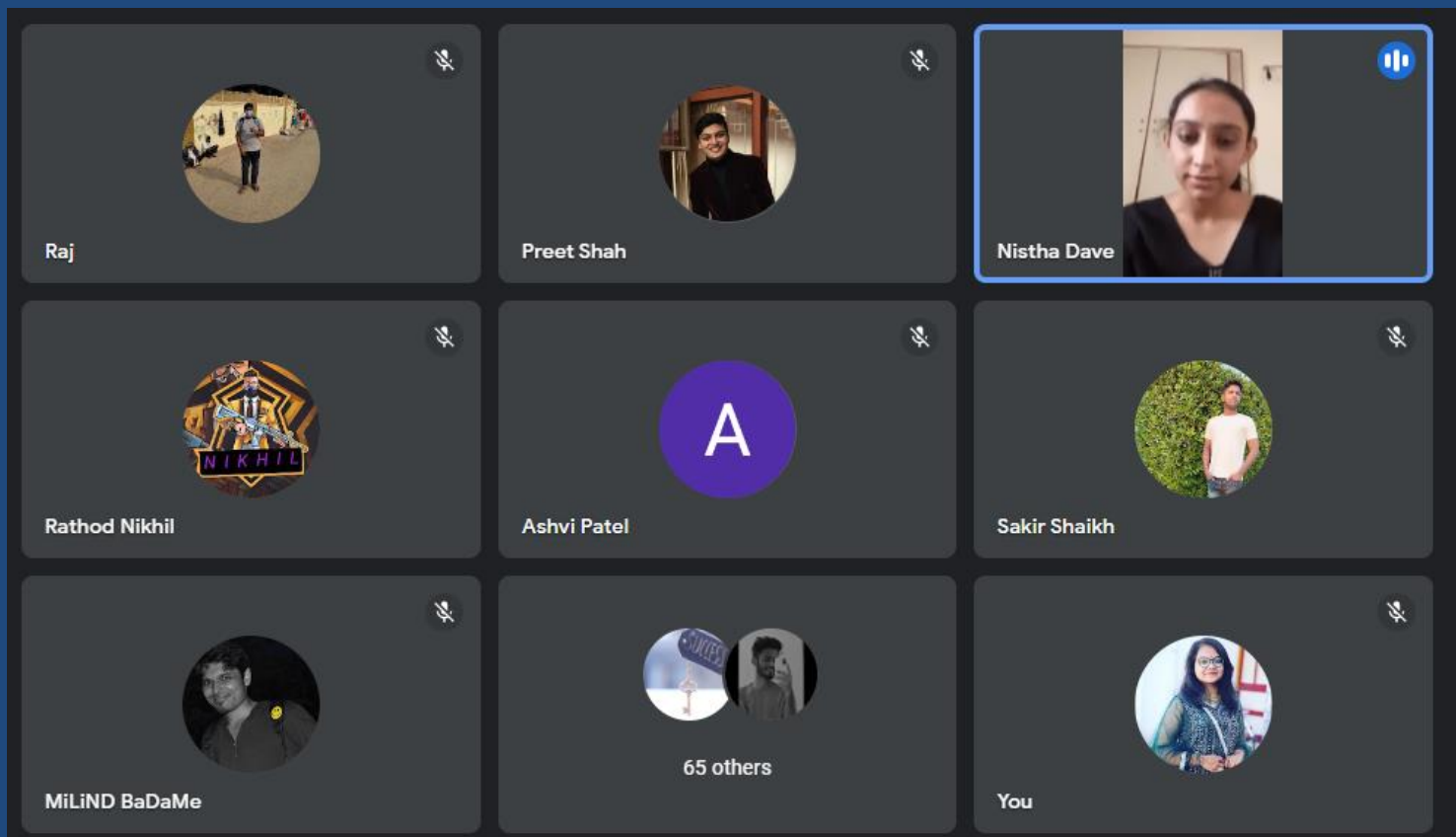
### Computer Science & Engineering Department

**Event -1: Seminar “Fundamentals of QA Engineering”**

**Dated: 28/5/2023**

The session was conducted online as a webinar considering the essential knowledge about how software testing is done and quality assurance of software product, what are the scope in that field. Testing work on a software testing life cycle which include various phases like: Analysis, test planning, test case development, environment setup and test execution. Discussed about types of testing.

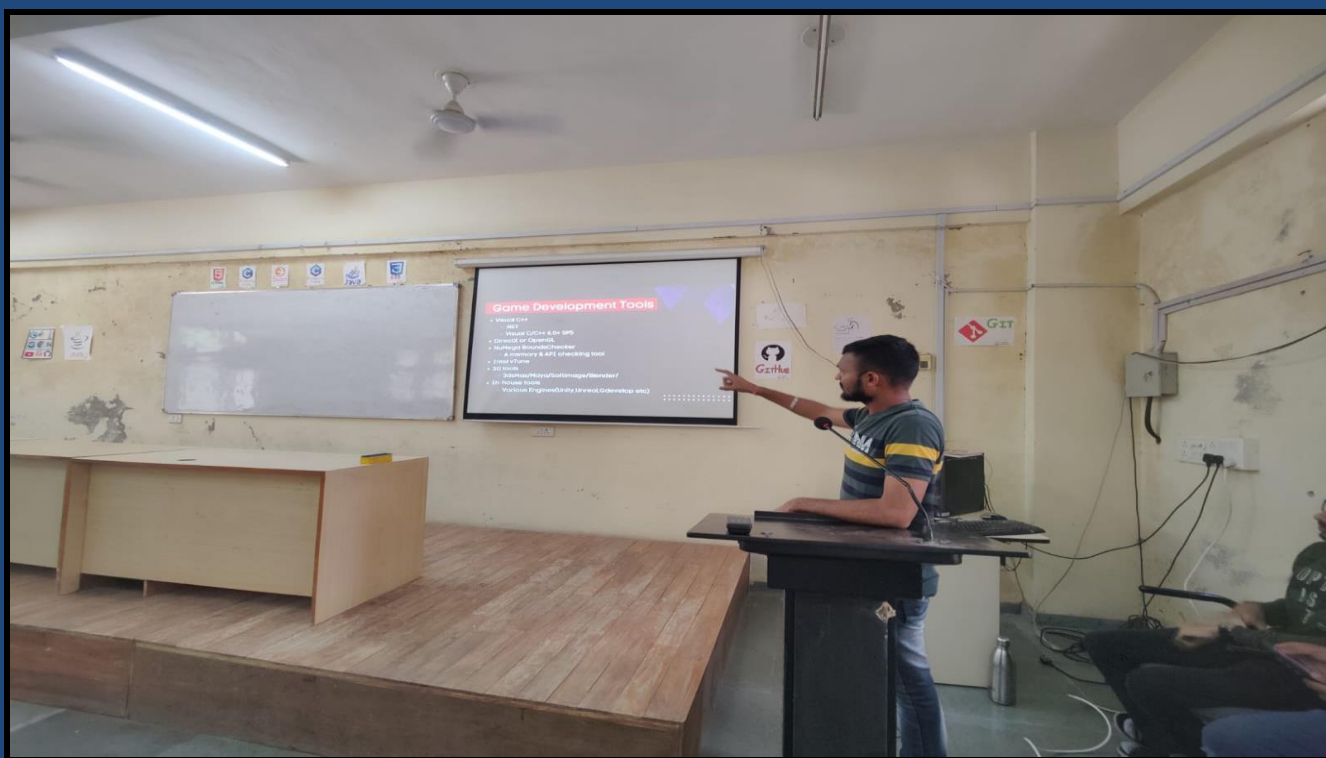
### Glimpse of the Event



## Event -2: “A seminar on Introduction to Game Development” Dated: 2/5/2023

A seminar on “Introduction to Game Development” was organized by Government Engineering College, Patan under Game club on 2/05/2023. Speaker of this seminar was semester 6th students who have detailed knowledge of game development platforms and tools. More than 50 students have participated in the seminar. The seminar was successfully organized by game club student coordinators under the guidance of Dr. H.B. Jethva -Head of CSE Department and mentor faculties Prof A.V.PANCHAL, Prof.D.U.BAVISA.

### Glimpse of the Event



### DEPARTMENT PLACEMENT:

Department	Date of Placement Drive	Name of Company	No. of. Selected Students	Package
CSE	23-May-2023	TatvaSoft	1	4.2-4.8 LPA
CSE	25-May-2023	eSparkBiz	11	3.3 - 5 LPA
CSE	20-May-2023	Torrent Pharmaceuticals Ltd	5	3.75 LPA

## Civil Engineering Department

- Civil engineering department was arranged two days workshop “AutoCAD & Revit Architecture” during 20/04/2023 to 21/04/2023

### Glimpse of the Event



## Electrical Department

### Industrial visit Even Sem-2023

Sr No.	Name of Industries	Class	Date & Time of Visit	No. of Students Present	Name of Faculty Coordinator	Technology
1	Vimal Electricals Mahesana	4 <sup>th</sup> sem EE	10/4/2023, Monday 10: 30 a.m to 2: 00 p.m	36	Manufacture and Service of Distribution Transformer	Manufacture and Service of Distribution Transformer
2	Australian Premium Solar	4 <sup>th</sup> & 6 <sup>h</sup> sem EE	15/4/2023, Saturday 10: 30 a.m to 2: 00 p.m	55	Prof.S.G.Prajapati Prof.M.D.Patel	Manufacture of Solar PV Module

### Glimpse of the Event





## Electronics and Communication Department

Industry Visit on 26/04/2023 for 4th and 6th sem EC/CSE students.

Morning: Teksun Microsysy Ltd., Ahmedabad ( An Embedded System and IoT service)

Afternoon: AlphaNumero, Ahmedabad (VLSI/Chip Verification service)

### Glimpse of the Event



## 2. FACULTY ACTIVITIES

### Computer Science & Engineering Department

#### TRAINING ATTENDED BY FACULTIES:

Sr. No	Title	Name of the faculty	Place	Duration
1	The Joy of Computing using Python	Dr K C Suthar	MOOC	JAN 23 TO APRIL 23(12 WEEKS)
2		Prof. B.P.Patel		
3		Prof M.J.Patel		
4	Computer Networks and Internet Protocol	Prof A.V.Panchal		
5	Quantum Algorithms and Cryptography	Prof.Y.B.Patel		
6	Quantum Algorithms and Cryptography	Prof.V.B.Pansiniya		
7	Introduction to programming in C	Prof.M.J.Vasava	MOOC	JAN 23 TO MARCH 23( 8 WEEKS)
8	Introduction to programming in C	Prof D.U.Bavisa	MOOC	JAN 23 TO MARCH 23( 8 WEEKS)
9	Design Engineering GTU	Prof D.U.Bavisa	GTU	24/4/23 TO 29/4/23
10	The Joy of Computing using Python	Prof J.P.Patel	MOOC	JAN 23 TO APRIL 23(12 WEEKS)

### Mechanical Engineering Department

#### TRAINING ATTENDED BY FACULTIES:

Sr. No	Title	Name of the faculty	Place	Duration
1	Introduction to Programming in C	Prof. D.J.Paramar	Swayam NPTEL	16/01/2023 to 31/03/2023
2	E-Content Development	Prof. M.G.Patel	Swayam NPTEL	01/07/2023

### Civil Engineering Department

1. Prof. V.D.Patel was co-ordinator of two days workshop on “AutoCAD & Revit Architecture” during 20/04/2023 to 21/04/2023.
2. Dr V.M.Patel was convener of two days workshop “AutoCAD & Revit Architecture” on 20/04/2023 to 21/04/2023.
3. Prof. M.I.Balya was Co-coordinator of two days workshop on “AutoCAD & Revit Architecture” during 20/04/2023 to 21/04/2023.

### 3. STUDENT ACTIVITIES

#### Civil Engineering Department

Miss. Anika Rehan 6th sem student of Civil engineering department was coordinated Gujarat state at Sansad Bhavan on occasion of Dr. Babasaheb Ambedkar's Jayanti.



**100 ટકા વિશ્વસનીય સમાચારો માટે**  
ડાઉનલોડ કરો દિવ્ય ભાસ્કર એપ

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**પાટણ 16-04-2023**

### પાટણની વિદ્યાર્થીનીએ સંસદમાં ડો.આંબેડકર જયંતીની ઉજવણીમાં રાજ્યનું પ્રતિનિધિત્વ કર્યું

બંધારણ ઘડવેયા ડો. ભીમરાવ આંબેડકરની જન્મ જયંતી નિમિત્તે સંસદ ભવનમાં પ્રમુખ અધ્યાક્ષલિનો કાર્યક્રમ યોજાયો હતો. કાર્યક્રમમાં અધ્યાક્ષલિ વક્તવ્ય માટે દેશના અલગ અલગ 25 જેટલા રાજ્યોના યુવા પ્રતિનિધિઓની પસંદગી કરી હતી. જેમાં ગુજરાત રાજ્ય નું પ્રતિનિધિત્વ કરવા સરકારી ઈજનેરી કોલેજ, પાટણની વિદ્યાર્થીની તથા રાષ્ટ્રીય સેવા યોજનાની સ્વયં સેવિકા અનીકા મોહિન ખાન રેહાન, ભરૂચની પસંદગી કરી હતી.

આ કાર્યક્રમનું આયોજન કેન્દ્રીય યુવા પ્રવૃત્તિઓ વિભાગ દ્વારા કરાય છે. આ કાર્યક્રમ અંતર્ગત દેશના તમામ રાજ્યના એક પ્રતિરૂપી પસંદ કરે છે. જેમાં ગુજરાતમાંથી અનીકા રેહાનની પસંદગી થઈ હતી. જેમણે લોકસભા, દિલ્હીમાં પોતાનું અધ્યાક્ષલિ વક્તવ્ય આપ્યું હતું અને કોલેજ તથા સર્વેમ ગુજરાતનું નામ રોશન કર્યું હતું. આ પહેલા પણ સંસદ ભવનમાં અધ્યાક્ષલિ વક્તવ્ય માટે ગુજરાતના પ્રતિનિધિ યુવા તરીકે સરકારી ઈજનેરી કોલેજ પાટણના જ વિદ્યાર્થી પાર્થિક જાનીની પસંદગી થઈ હતી. હવે બીજા વખત આ તક મળી હતી.

સંસદ ભવનમાં વક્તવ્યની તક મળી તે અંગે અનિકા રેહાને નવીદિલ્હીથી દિવ્યભાસ્કરને જણાવ્યું કે લોકસભામાં ભરવા મળ્યું અને લોકસભા સ્પીકર ઓમ બિરલા, સચિવ ઉત્પલ કુમારસિંગ, ભારત અધ્યક્ષ જે.પી.નંડા, કોંગ્રેસ અધ્યક્ષ મલ્લિકાર્જુન ખડગે તેમજ અન્ય મંત્રી અગ્રણીઓની ઉપસ્થિતિમાં કાર્યક્રમમાં સામેલ થવાની તક મળી તેની ખુશી છે. હું ભરૂચ જિલ્લાના આમોદ તાલુકાની વતની છું અને પાટણ ખાતે અભ્યાસ કરું છું. સંસદમાં જવાની તક બધા લોકોને મળતી નથી પરંતુ મને ડોક્ટર બાબાસાહેબ જન્મ જયંતી પ્રસંગે ગુજરાતનું પ્રતિનિધિત્વ કરવાની તક મળી તેનું મને ગૌરવ થાય છે.

## Mechanical Engineering Department

In Indian culture and tradition, Guru has been given a higher position than God. It is the Guru who illuminates the life of the disciple with the light of education and knowledge and it is the Guru who paves the path of progress for his disciple. Guru PurnimaParv is organized by the Mechanical Department as a humble cultural initiative to show gratitude and respect to the Guru.



- Khanjiraishabdulkhalif has successfully attended workshop program on autocad software.
- Suthar karankumar ashvinbhai successfully completed every module within technical writing skills. Place:- online platform date:- 20/04/2023

# Electronics and Communication Department

Electronics and Communication Department students have participated in Impact Lecture on “Business Model Canvas ” by an Expert Dr. R.Mohana Priya Associate Professor of ECE Department , IIC Convener and Innovation Ambassador, Pavaai Engineering College, Pachal , Nammakal District.

This program was organized on 2ND May 2023 Tuesday in the time duration of 6:30 P.M. to 7:30 P.M. by virtual mode of Google Meet. Speaker has given a so much valuable tips to student regarding Business Model Canvas , student start-up program as well as Legal and Ethical Steps . Students have interacted with the speaker eagerly and encouraged to do the needful in the area of Business Model Canvas and Start-up as well as Legal and Ethical issues.

**MARKET RESEARCH**

1. Define your Objective
2. Determine Research Design
3. Prepare Research Instrument
4. Collect Data
5. Analyze Data
6. Visualize and Communicate findings

Dr.R.MOHANA PRIYA is presenting

AYYA... Sathi... Miloni

**LEGAL STEPS**

- Patent**: A set of exclusive rights granted by a person for his/her invention.
- Trademark**: A sign used on goods that have a specific commercial value and possess characteristics that are essentially attributable to their origin and quality.
- Copyright**: A legal term used to describe the rights granted to a creator for his/her literary, artistic, and scientific works.
- Industrial Design**: An industrial design constitutes the ornamental or aesthetic aspect of an article.

Dr.R.MOHANA PRIYA is presenting

MUT... PRAD... UMA ...

**live in the future, ahead of your time**

what is missing in the world? write it down and bounce ideas around make a prototype

launch - let everyone know you have made something

look for funding and build version one at the same time

register your C-corp, split equity

find a co-founder

1,000 users

grow 5% a week (hard, but proven possible)

yes, they are coming back

no, they are not

follow up with users. Are they coming back?

launch again (after iterating) launch until users

Dr.R.MOHANA PRIYA is presenting

Selvi PRAD... UMA ...

**Creativity to Entrepreneurship**

- Creativity**: Thinking new things. Creativity is the ability to develop new ideas and to discover new ways of looking at problems and opportunities.
- Innovation**: Doing new things. Innovation is the ability to apply creative solutions to those problems and opportunities in order to enhance people's lives or to enrich society.
- Entrepreneurship**: Creating value in the marketplace.

Dr.R.MOHANA PRIYA is presenting

Rosh... SABI... UMA ...

#### **4. NATIONAL SERVICE SCHEME (NSS) ACTIVITY**

##### **[1] “VIOLENCE FREE WORLD ” on 5 th MAY, 2023 at GEC, PATAN**

On 10th May 2023, a presentation on Non Violence is the biggest religion was given by Professor V.B. Pansiniya, at the seminar hall CSE department. The presentation was attended by students and faculty members from different departments. The aim of the presentation was to create awareness about the positive impact of vegetarianism on health, the environment, and animal welfare.

Prof. V.B. Pansiniya began the presentation by defining vegetarianism as a dietary practice that excludes meat, poultry, and fish. He explained that a vegetarian diet is rich in fiber, vitamins, and minerals, and can help prevent chronic diseases such as heart disease, diabetes, and cancer.

He then talked about the environmental impact of animal agriculture, explaining how it contributes to deforestation, greenhouse gas emissions, and water pollution. He emphasized that adopting a vegetarian diet is one of the most effective ways to reduce one's environmental footprint.

He also discussed the teachings of every religions do advocate for vegetarianism or emphasize compassion towards animals.

The presentation on the benefits of a vegetarian diet was an informative and insightful event. Prof. V.B. Pansiniya was able to effectively convey the message that adopting a vegetarian diet can have positive impacts on health, the environment, and animal welfare. The event was successful in generating discussion and encouraging the audience to consider the benefits of vegetarianism. Overall, it was an inspiring and educational experience for everyone who attended.

#### **Major Outcomes of Event**

- Increased awareness about the positive impact of vegetarianism on health, the environment, and animal welfare.
- Understanding the ethical implications of consuming animal products and the importance of reducing animal suffering.
- Encouraged participants to consider a vegetarian diet compared to a non-vegetarian diet.

## Glimpse of the Event



## [2] World Environment Day Event organised on 12th June 2023 by NSS GEC Patan

On 5th World Environment Day is celebrated all across the globe with intension of spreading awareness and importance of environment among citizens of world where we are suffering from a huge problems of climate change and global warming. As a part of these NSS GEC Patan organized various awareness programs so that we can take part in making people of India aware of the global issue and how they contribute their best in solving this global issue.

On 12th june 2023 NSS GEC Patan has organised a event for spreading awarness on issues related to environment and people roles in overcoming it following the global theme PLASTIC FREE SOCIETY Firstly the event started with Deep Pragatiya an indian culture and pride of starting an any good event or initiative by Principal GEC Patan along with faculties. After that we moved on with a Lakshya Geet and started our first competiton of Elocution with topic Youth's Role in making Plastic Free society. In which NSS Volunterrers and College Students Participated actively and shared their views and ideas infront of Audience. The results of Elocution Competition were as follows;

### Results Of Elocution Competition

1st RANK	Dwiwedi Srushti
2nd RANK	Sharma Dev
3 rd RANK	Krishna Panchal

With a good intiative Winners were awrded with a plant in order to support GO GREEN BREATHE GREEN CONCEPT. After that the Principal of GEC Patan shared his views on environment saving and making society a plastic free society followed by faculties of GEC Patan. Also a National Level Photography Competition was held with Theme Go GREEN BREATHE GREEN was conducted in which various universities like Parul University , Bhakt Kavi Narsinh Mehta University Students Participated , the results of same was announced by Prof. V.B.Pansinya and were awarded with Seed Balls which were made by NSS GEC Patan Volunteers. The Results were as follows;

### Results Of Photography Competition

1st RANK	Krish Bhimani
2nd RANK	Vaghasiya Parth
3 rd RANK	Parmar Vrajeshwari



## Glimpse of the Event



## पाटणनी सरकारी ँजनेरी कोलेज ङाते विश्व पर्यावरण दिवसनी ँजवणी करवामं आवी

(दुनियादन्युठ, पाटण)  
 जनमानसमं पर्यावरण अंगे ज्ञानतता वधि - लोको पर्यावरण सुरक्षाना कार्यमं सहभागी अने ते हेतुधी तारीज ढमी नून नरुनविरव पर्यावरण दिनस्वरु तारीके ँजवाय छे. तेना ङाम रने पाटण सरकारी ँजनेरी कोलेजमं कार्यरत अ.न.अ.स.अ.सना स्वयंसेवको द्वारा १२ नून अे विरव पर्यावरण दिवसनी ँजवणी करवामं आवी हती. आ कार्यक्रममं कोलेजना आचार्य, प्रोफेसर अने विद्यार्थीओ उरसाहनेर ङोडया हता. विरव पर्यावरण दिननी ँजवणी निमिते कोलेजनी प्रतियोगिता अने वकृत्व प्रतियोगिता राजवामं आवी हती. 'जेना विजेताओने कुलछोडना रोपा अने सीडढोल आपीने ङोडसाहित करवामं आरवा हता. कार्यक्रममं अ.न.अ.स.अ.सना स्वयंसेवको द्वारा नुत्व प्ररतुत करी पर्यावरण ज्ञानृति अंगे सारो संरध



आरुधो हतो. तथा सीडढोल ना ढ्याल ने आगण वधारता अ.न.अ.स.अ.स. ना स्वयंसेवको द्वारा २५० जेटली ङोटी संढ्यामं सीडढोल अनारवा हता अने तेनु कोलेजनी आसपास ना विरतारोमं तथा ङेतरोमं वितरण करुं हतुं.

आ कार्यक्रमनु आयोजन कोलेजना आचार्य तथा राष्ट्रीय सेव ङोजनाना ङोडाम आरिसर ना ङार्गटर्शन हेठण अ.न.अ.स.अ.स. ना स्वयंसेवको द्वारा सकणतापूर्वक करवामं आरुधुं हतुं.

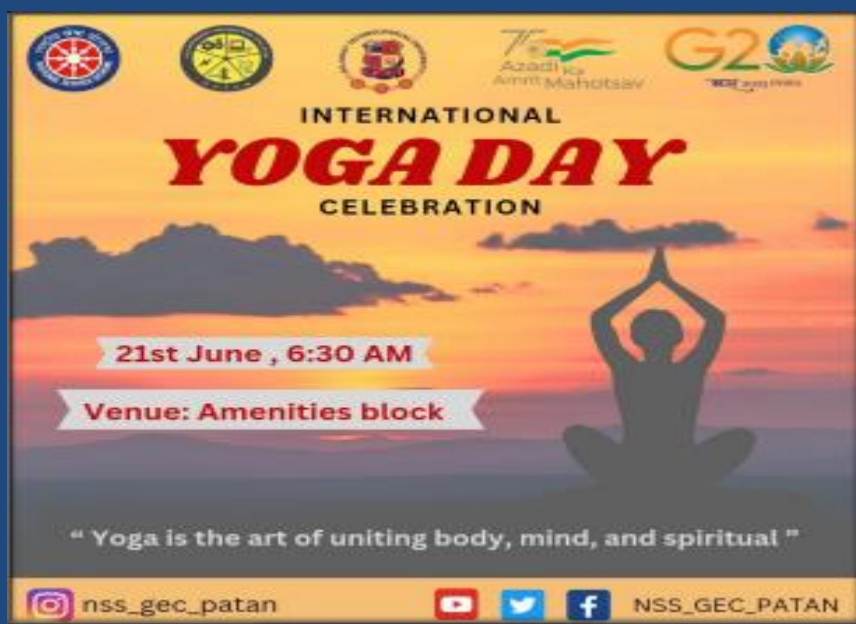


### [3] International Yoga Day Event organised on 21 st June 2023 by NSS GEC Patan

On 21st June International Yoga Day is celebrated all over globe with the good intentions of making people of globe stress free, and fit to protect themselves from all the health related problems and protect them from negativity spread around the world.

As a part of these NSS GEC Patan organised a yoga session in college campus for motivating students for performing yoga every day which would help in reducing stress level which is a major issue among students nowadays and making youth of India fit and stress free.

One of the student named Dewanshi Gauswami guided everyone with different yoga asanas and explained the importance of each asanas. In this all faculties of college including principal also joined to motivate the youth and show their interest towards fitness . We started at 6:30 and performed different asanas for around 1:30 hour also understanding the importance of each asanas.



#### Major Outcomes Of the Event

- An Importance of Yoga was spread among the youth.
- A positive energy was spread among the people present there.
- Everyone got to know about the different asanas of Yoga.

## Glimpse of the Event



#### [4] Tree Plantation Event organized on 27th June 2023 by NSS GEC Patan

On 27th June 2023, Tree Plantation event was organized by NSS Volunteers in order to give their contribution to increase the number of trees which are gradually decreasing by our human activities. As a part of these NSS GEC PATAN had organized a tree plantation to conserve the environment and spread awareness about how important trees are for our environment.

On 27th June 2023, NSS GEC PATAN had organized a tree plantation event in which NSS Volunteers had actively participated, all the volunteers gathered at 8:00 am in the morning for the plantation. Various kinds of plants had been planted like Rose, Jammun, Guava, etc.. Groups of 4 volunteers were made and all the volunteers were parted and planted the plants in different parts of the college campus. The Principal of GEC PATAN and other faculties also contributed in planting the plants in college.

In this way, the target of 30 plants to be planted had been successfully achieved by NSS Volunteers. The tree plantation event at GEC PATAN proved to be successful in promoting environmental consciousness and beautifying the college campus.



#### Major Outcomes of the Event

- An Importance of Trees plantation among students had been spread.
- Contribution had been given in increasing number of trees.
- Helped in raising awareness about environmental issues such as Deforestation.
- Importance of tree conservation.

## Glimpse of the Event



### **સરકારી ઈજનેરી કોલેજ પાટણ ખાતે વૃક્ષારોપણનો કાર્યક્રમ યોજવામાં આવ્યો હતો**

(સિ.ન્યુ.સ.) પાટણ,તા.૨૭ વૃક્ષો આપણને અનેક રીતે ઉપયોગી છે. જેમ કે વરસાદ વાવવામાં, ઔષધિ તરીકે, હવાને શુદ્ધ કરવામાં તેથી જનમાનસમાં વૃક્ષોનું મહત્વ સમજાવવાના હેતુથી સરકારી ઈજનેરીકોલેજમાં કાર્યરત એન.એસ.એસ. ના સ્વયંસેવકો દ્વારા ૨૭ જૂને વૃક્ષારોપણના કાર્યક્રમ નું આયોજન કરવામાં આવ્યું હતું. આ કાર્યક્રમમાં કોલેજના

આચાર્ય, પ્રોફેસર અને એન.એસ.એસ.ના સ્વયંસેવકો ઉત્સાહભરે જોડાયા હતા અને કોલેજના કેમ્પસમાં વૃક્ષના રોપા વાવવામાં આવ્યાં હતાં. આ કાર્યક્રમનું આયોજન કોલેજના આચાર્ય તથા રાષ્ટ્રીય સેવા યોજનાના પ્રોગ્રામ ઓફિસર ના માર્ગદર્શન હેઠળ એન.એસ.એસ ના સ્વયંસેવકો દ્વારા સફળતાપૂર્વક કરવામાં આવ્યું હતું.

