

Sampark

The official newsletter of Mechanical Engineering



Message from Principal

Dear Students,

It gives me great pleasure and joy to communicate to our youngsters and readers through this medium. It is a matter of immense pride and pleasure that we are a part of the GPP family.

G P Palanpur has scaled noteworthy heights in all its curricular, co-curricular and extra-curricular activities. The faculty has continuously evolved and adopted state of the art technologies and teaching-learning methodologies. The academics are backed by well-equipped infrastructure. Three programs namely Civil Engineering, Mechanical Engineering, Electrical Engineering are accredited by National Board of Accreditation, New Delhi for A.Y. 2021-22 to A.Y. 2023-24.

The Indian youth today have a plethora of global opportunities available to them, provided they demonstrate the right skills and exhibit the right attitude. In order to meet the demands of these dynamic times, our college has created central facilities of Student Start-up and Innovation Policy (SSIP) Cell for students with require resources like 3 D Printer, Welding machine, grinding machine etc. for making POC. All departments are working on different projects funded under SSIP Policy. 34 Projects are supported under SSIP Cell, 3 student's startup were register under MSME (Udyam), one startup is ready for commercialization of his product in market also during last two years our students filed four patents with the support of SSIP cell of our institute. G P Palanpur today holds 2 granted patents.

Also in 2020, G P Palanpur was ranked 29th across the state in SSIP Grantee institutions (146) and 3rd rank in all government intuitions of state of Gujarat, for startup and innovation activities execution in campus.

The institute has Finishing school cell in which final year students were learn personality development and Interview preparation tips from invited experts. Also under The Rashtriya Uchchatar Shiksha Abhiyan (RUSHA) scheme we regularly conduct Karate Classes, Nari shakti sashaktikaran relevant events for girls students.

The college have achieved good number of students' placements with good pay packages, where in nearly 50 companies have visited the campus among during placement fair 2022. Some regular recruiters are L&T, Torrent Power, BKT Tires, ArcelorMittal etc. We also organize Seminars, workshops, Industrial visits, inter college events at consistent intervals to facilitate knowledge exchange and to give best practices in the education sector.

Finally, we assure you that at this college you will find holistic, vibrant and inspirational work culture.

With Best Wishes,

Principal,

Shri S. D. Dabhi





Message from HOD

We are pleased to share some of the exciting news in the Department of Mechanical Engineering at Government Polytechnic, Palanpur.

It makes students to gain a comprehensive knowledge and understanding of Mechanical Engineering subjects. It helps the students to know various academic activities parallel to teaching in our department as well as institute. It also depicts various curricular and extra curricular activities in department. Students are made aware about various project work in department like SSIP. It reflects creativity of the students during NBA mission and placement fair etc.

We are proud to achieve NBA certificate for 3 years as well as success in placement fair etc. due to unity of the department faculties. We also proud for Dhaval Nai for registering patent of water tap alarm.

I wish more and more progress of department and faculties and students in future.



HOD

Shri D. D. Prajapati
gppmech19@gmail.com

Institute Vision:

To produce competent diploma engineers as per need of Industries and entrepreneurs with ethical values.

Institute Mission:

Government Polytechnic, Palanpur strives to impart,

- Industry oriented technical education.
- Excellent teaching and learning environment.
- Promote entrepreneurship activities.
- Continual growth in every sphere of life by developing core human values.

Department Vision:

To create competent Diploma Mechanical Engineers with humanities, leadership and entrepreneurship qualities.

Department Mission:

- To impart quality education through excellent teaching learning methodology.
- To increase technical skills and employability through industrial interaction.
- To create entrepreneur by empowering innovative minds with proper counseling & motivation.
- To develop team work, leadership qualities and ethical values through co-curricular activities & extra-curricular activities.

INDUSTRIAL VISIT

- ❖ Venue: Banas dairy, Palanpur
- Date: 22/02/2021 (Semester-1)
- Number of faculties: 2
- Number of students: 42

Banas Dairy (Banaskantha District Cooperative Milk Federation, Palanpur) is a dairy based in the Banaskantha district of Gujarat, India and is Asia's largest milk producer. It was founded in 1969, in accordance with the 1961 rule of the National Dairy Development Board under Operation Flood.

Banas Dairy collects an average of around 50 lakh liters of milk every day. In winter, milk collection increases to 76 lakh liters of milk every day, the highest collection rate in Asia.



STUDENT ACHIEVEMENT

Name of Patentee: Dhavalbhai Prakashbhai Nai

Date of filing: 29/01/2021

Title: Water alarm tap

Patent no.: 379977



 INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS		 भारत सरकार GOVERNMENT OF INDIA पेटेंट कार्यालय THE PATENT OFFICE पेटेंट प्रमाणपत्र PATENT CERTIFICATE (Rule 74 Of The Patents Rules)		क्रमांक : 022115335 SL No :
				
पेटेंट सं. / Patent No.	:	379977		
आवेदन सं. / Application No.	:	202121004092		
फाइल करने की तारीख / Date of Filing	:	29/01/2021		
पेटेंटी / Patentee	:	1.DHAVALBHAI PRAKASHBHAI NAI 2.BARAD DIPENDRASINH MAHENDRASINH 3.NAILESHBHAI NAGJIBHAI PARMAR 4.HITENKUMAR VIRABHAI PATEL et al. et al.		
प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित WATER ALARM TAP नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 29th day of January 2021 से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है। It is hereby certified that a patent has been granted to the patentee for an invention entitled WATER ALARM TAP as disclosed in the above mentioned application for the term of 20 years from the 29th day of January 2021 in accordance with the provisions of the Patents Act, 1970.				
 INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS		 पेटेंट नियंत्रक Controller of Patent		
अनुदान की तारीख / Date of Grant	:	25/10/2021		
टिप्पणी - इस पेटेंट के नवीकरण के लिए योग्य, यदि इसे बनाए रखा जाना है, 29th day of January 2023 को और उसके समानांतर दिनों में उसे फिर देर होगी। Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 29th day of January 2023 and on the same day in every year thereafter.				

Name of Patentee: Dhavalbhai Prakashbhai Nai

Title: Glass washing machine



પાલનપુર પોલિટેકનિક કોલેજના 19 વર્ષના છાત્રએ લોકડાઉનમાં ઓટોમેટિક ટી-કપ વોશિંગ મશીન બનાવી પેટન્ટ મેળવી ભારતમાં પ્રથમવાર હાઈપ્રેશર વોટર અને બ્રશથી ટી-કપ વોશિંગ મશીન બનાવી અભ્યાસ સાથે સ્ટાર્ટઅપ મેળવ્યું પ્લાસ્ટિકના કપ નુકસાન કરતા હોવાથી આઈડિયા આવ્યો, ત્રણવાર નિષ્ફળતા પછી ચોથામાં સફળતા

ભારતમાં પ્રથમવાર હાઈપ્રેશર વોટર અને બ્રશથી ટી-કપ વોશિંગ મશીન બનાવી અભ્યાસ સાથે સ્ટાર્ટઅપ મેળવ્યું પ્લાસ્ટિકના કપ નુકસાન કરતા હોવાથી આઈડિયા આવ્યો, ત્રણવાર નિષ્ફળતા પછી ચોથામાં સફળતા

PLACEMENT AT GLANCE

Name of industry: HR Footprint Talent solution
(Adani solar LTD.)

Package: 1.8 Lakh per annum

JOGABHAI MASHARUBHAI CHAUDHARI
PANCHAL KARTIKKUMAR MUKESHBHAI
MIHIR PARESHBHAI MODI
CHAUDHARY PRIYANK KUMAR HEMRAJ BHAI
SAMARTH HEMANTKUMAR JADAV
PANCHAL AKSHAY PRAHALADBHAI
PANCHAL KAMAN MUKESHBHAI
KHARODIYA ARMAN IKABALBHAI
VANARA SAHAD A VAHID
NAI VISHNU PRAKASHBHAI
RATHOD TUSHAR ASHISHBHAI
PUROHIT DHAVALKUMAR NARESHBHAI

Name of industry: Captain Pumps Pvt. Ltd.,
Palanpur

Package: 1.2 Lakh per annum

AJAYKUMAR BHAGVANBHAI MOR
ASHFAK AKADAR SELIYA
SACHIN JAYANTILAL MEVADA

Name of industry: RANE GROUP AHMEDABAD

Package: 1.3 Lakh per annum

RATHOD TUSHAR A
ASHFAK AKADAR SELIYA
VAGHELA UTSAV M
NAI VISHNU P
MOR AJAY B
DARAJI CHIRAG J
RAVAL AXAY N
ROHIT KIRIT S
DAIYA HARDIK I
MEVADA SACHIN J

Name of industry: Krishna Placement, Lunawada

Package: 1.1 Lakh per annum

TUSHARKUMAR ASHISHBHAI RATHOD
JAYSINHJI HOMATSANG VAGHELA

Name of industry: SKH-Y-TECH CO, BECHARAJI

Package: 1.5 Lakh per annum

MEVADA PRAKASHKUMAR
RATHOD TUSHARKUMAR
ARMAN KHARODIYA
SUTHAR LALIT
DEVANG PANCHAL
FAISALKHAN BALOCH
SHREYASHKUMAR DABHI
PRAJAPATI AKSHIT
PRAJAPATI UMANGBHAI
VAGHELA JAYSINHJI
LIMBACHIYAJIGNESHBHAI
SUMARA SOHEL
PATEL DHRUV
NAYAK TIRTH
MEVADA SACHIN
TAKDEERSHA
DHAVALKUMAR PUROHIT
HARDIK DAIYA
FULWANI SAHIL
SHREYANSH GOHIL
SOLANKI KIRIT

Name of industry: HELLA GROUP BEHCHARAJI

Package: 1.2 Lakh per annum

SUMARA SOHIL S
PRAJAPATI SAJJAN S
ROHIT KIRIT S
JAGRALA HUSSAIN M
FULWANI SAHIL G
PRAJAPATI DHAVAL S
GOHIL SHREYANSH A
RAVAL AXAY N
NAI DHAVAL P
RATHOD BHOILERAM P

Name of industry: Academy for Skill Development

Package: 1.8 Lakh per annum

Kiritbhai Shamalbhai Rohit

FACULTY ACHIEVEMENT

YouTube channel developed by

Shri R. H. Prajapati- Lecturer Mechanical
Shri S. R. Modi- Lecturer Mechanical



Join our Youtube channel- MechFest

For Diploma/Degree Engineering

- Lecture series Subject wise
- Govt. Recruitment updates
- Exam related MCQs
- How to do online application 📄

Digital Gujarat/MYSY Scholarship, GTU Convocation Certy, 12th Equivalent certy, Online fee payments, Interview preparation, Learning/Driving License etc

Website <https://sites.google.com/view/mechfest>

<https://youtube.com/c/MechFest>

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Objective of channel:

You Tube channel link :
 Channel type:

Subscribers:
 Top Playlist:

The main purpose of this channel is to deliver technical knowledge of Diploma & Degree Engineering, education, training and recruitment.

www.youtube.com/c/mechfest
 Technical, Education, technology, etc

3600+

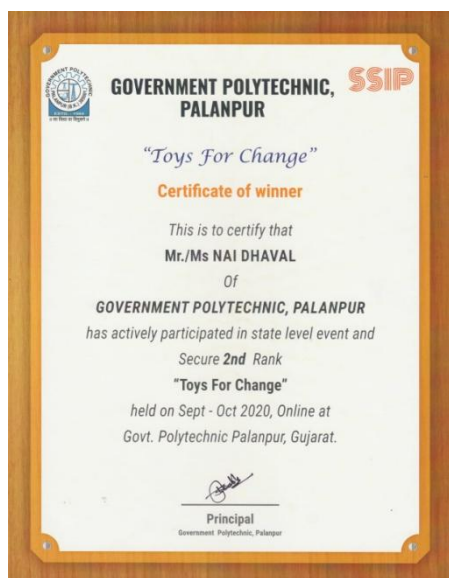
1. Basic Engineering Drawing
Lecture series prepared by Shri R.H. Prajapati (Lecturer mechanical).
2. Mechanical Drafting
Lecture series prepared by Shri R.H. Prajapati (Lecturer mechanical). This subject is offered in 2nd sem mechanical engineering.
3. GTU Online MCQ Exam
4. MS team
5. Recruitment

Heckathon 2021-22



2 team of 3rd Semester students of Mechanical Engineering Department, Government polytechnic palanpur participated in state level HACKATHON at K D Polytechnic Patan on 22/11/2021.

Toy innovation challenge



Toy innovation challenge event organised by SSIP Cell Palanpur at Government Polytechnic Palanpur. Nai Dhaval Prakash Was won Rank 2 in event and got 500 Rs/- as Prize money.

Boot camp Programs on "hands on practice arduino raspberry pi"

સરકારી પોલીટેકનીક પાલનપુર ખાતે રોબોટિક્સ અને ઓટોમેશન પર બે દિવસીય ટ્રેનિંગ પ્રોગ્રામ યોજાયો



વિજય અને કલ્યાણ - પાલનપુર : આજે ઉન્નતીકર્મ તથા આપણા ધરોમાં પણ ઓટોમેશન અને રોબોટિક્સ ઉપર ધ્યાન વધી રહ્યો છે અને દુનિયામાં આવતી નવી ટેકનોલોજી સાથે કદમથી કદમ ચેળવવા અને આધુનિક ટેકનોલોજીનો અભ્યાસ ટેકનિકલ અભ્યાસક્રમ સાથે કરવો જરૂરી બનતો હોવાથી સરકારી પોલિટેકનિક, પાલનપુરના

એસ.એસ.આઈ.પી. સેલ દ્વારા, ગવર્નમેન્ટ ઓફ ગુજરાતના સુડન્ટ સ્ટાઈપેન્ડ અને ઈનોવેશન પોલિસી અંતર્ગત રોબોટિક્સ અને ઓટોમેશન પર બે દિવસીય ટ્રેનિંગ પ્રોગ્રામનું આયોજન કરવામાં આવ્યું હતું. આ પ્રોગ્રામ માટે વકના તરીકે ઉન્નતીકર્મ અને કુસપર્ટ બોલાવવામાં આવ્યા હતા. પ્રોગ્રામમાં વિવિધ બ્રાન્ચના પર વિદ્યાર્થીઓએ ભાગ લીધો હતો. બધા વિદ્યાર્થીઓ અલગ અલગ ગ્રુપમાં વર્ક ચવામાં આવ્યા હતા અને બધા વિદ્યાર્થીઓએ

સરથા દ્વારા પુરી પાડવામાં આવેલી કિટની મદદથી વિદ્યાર્થીઓ પોતાની જાતે બૈલક કંટ્રોલર પ્રોગ્રામિંગ કરીને પાંચ અલગ અલગ પ્રોજેક્ટ જેવા કે બ્લુટૂથ અને આઈ.ઓ.ટી.(ઈન્નરનેટ ઓફ થીંગ્સ)ની મદદથી પાંચ ઓટોમેશન, રોબોટિક્સ આર્મ, રોબોટ દ્વારા કલર ઓળખવા જેવા પ્રોજેક્ટો બનાવ્યા હતા. આ ટ્રેનિંગ પ્રોગ્રામથી ભવિષ્યમાં વિદ્યાર્થીઓને છેલ્લા વર્ષના પ્રોજેક્ટ બનાવવામાં મદદરૂપ થશે કે જે ઈનોવેટીવ અને સામાજિક પ્રોબ્લેમનું કેલેકલ સોલ્યુશન કરી.

Two days boot camp for 3rd semester students, total 11 students have participated in this event and during this event student have prepared different projects like home automation system, smart lock system, automation in emergency exist entrance, digital display and color detection machine using raspberry pi.

Extra curricular activities



Road safety seminar on 16/02/2021



Tobacco control program on 19/02/2021



Thalassemia Camp on 07/10/2021



Health awareness program on 20/10/2021



Vyasan mukti abhiyan on 22/10/2021



Tree plantation on 31/07/2021

Outstanding performance in GTU examination

Following students have achieved outstanding result in GTU examination. Government Polytechnic, Palanpur and Mechanical Engineering Department heartily congratulate students for their success and wishes for bright future ahead.



DAIYA HARDIK ISHVARBHAI
SEM: 5 SPI: 9.26
SEM: 6 SPI: 9.89



SALIYA ASHFAQ ABDUL QADIR
SEM: 5 SPI: 9.26
SEM: 5 SPI: 9.64



RAVAL AKSHAYKUMAR NARESHBHAI
SEM: 5 SPI: 9.12
SEM: 6 SPI: 9.79



DARJI ARYAN
SEM: 6 SPI: 9.64



PATEL MIHIR UPENDRABHAI
SEM: 3 SPI: 8.41



PRAJAPTI YASHKUMAR MOHANBHAI
SEM: 1 SPI: 9.54



ROHIT KIRITBHAI SHAMALBHAI
SEM: 5 SPI: 9.79
SEM: 6 SPI: 9.64



RATHOD TUSHARKUMAR ASHISHBHAI
SEM: 6 SPI: 9.89



SOLANKI GOVINDBHAI RUPSANGJI
SEM: 3 SPI: 9.31



GUPTA UTSAV SNEHALBHAI
SEM: 1 SPI: 9.86



PARMAR CHIRAGBHAI RAMESHBHAI
SEM: 1 SPI: 9.54



DHAKTA CHIRAGKUMAR VINODBHAI
SEM: 3 SPI: 9.13

EDITOR'S NOTE

It gives us an immense pleasure to introduce this Newsletter of Mechanical Engineering, Named "Sampark".

I am grateful to our honorable Principal and HOD who gave this opportunity. It has been a learning experience to us. I am also thankful to all staffs for their co-operative nature. At last but not least we are thankful to all those helped us directly and indirectly.

Chirag M. Amin, Shivam R. Modi
Lecturer, Mechanical Engineering Department