



THAPAR POLYTECHNIC
COLLEGE

PRESENTS

HORIZON

2020-2022

STOP NOT TILL THE GOAL IS REACHED



Principal's Message

Dear Readers of "**HORIZON**"

It brings me immense joy to offer my warmest greetings as we unveil yet another edition of our college's annual magazine, "HORIZON." This publication serves as a testament to the remarkable talent, dedication, and hard work displayed by the students, faculty, and staff of Thapar Polytechnic College, Patiala.

"HORIZON" not only signifies the culmination of literary and artistic endeavours but also serves as a reflection of our institution's growth and development. It proudly displays the achievements and milestones we have reached over the past three years and the promising future.

In the face of various challenges, particularly those posed by the COVID-19 pandemic, our college community has exhibited unwavering resilience and adaptability. Within the pages of "HORIZON," you will discover stories of our collective strength and determination during the trying days of the pandemic, serving as a reminder that we can overcome any obstacle when we work together.

As you peruse these pages, I hope you will find inspiration in the creativity, innovation, and diversity that are the defining characteristics of our college. May this magazine serve as a source of inspiration and a reminder of the incredible potential residing within each of us.

I want to express my deep appreciation for the tireless efforts of our dedicated editorial team, the invaluable contributions of our talented writers and artists, and the unwavering support of every individual who played a part in creating "HORIZON." Your unwavering hard work and commitment have infused brilliance into each page, transforming this magazine into a true masterpiece. Your outstanding contributions have made "HORIZON" a beacon of inspiration and a reflection of our collective excellence. Thank you for your exceptional dedication.

I urge you to explore the pages of "HORIZON" with an open heart and a curious mind. Let it serve as a reminder of the extraordinary capabilities of our college community and the limitless horizons that await us.

I am grateful for your commitment to excellence, which has made Thapar Polytechnic College, Patiala, a place where dreams take flight and horizons expand.

Wishing you an enjoyable and enlightening reading experience.

Best Regards,

Dr. Ankush Kansal

Principal



Editor's Desk

Greetings, dear readers,

It is a privilege to present the latest edition of "Horizon," the annual beacon of creativity from Thapar Polytechnic College, Patiala. This year has challenged us in unprecedented ways, but it's in these very challenges that we find the opportunity to shine even brighter.

Our contributors have poured their passion into each page, and the diligent editorial team's dedication has brought every word, image, and idea to life. "Horizon" is a testament to our collective resilience and the boundless talents within our college. Together, we've crafted a publication that speaks volumes about the brilliance of our college. You've made "Horizon" more than just a magazine – you've made it a source of inspiration.

Amid these pages, you'll discover stories that inspire, artwork that captivates, and knowledge that enlightens. As we navigate the horizons of our future, may this magazine serve as a guiding light. Enjoy the remarkable journey ahead, and may you find in these pages the same spirit of excellence that exists within each of you.

Thank you to all who made "Horizon" possible. Enjoy the journey!

With gratitude,

Aman Singla

Editor-in-Chief, Horizon

Thapar Polytechnic College, Patiala

THE EDITORIAL BOARD

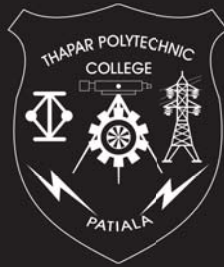


SITTING:

1. *Ms. Shubhashree Chakraborty*
2. *Ms. Aman Singla*
3. *Dr. Ankush Kansal (Principal)*
4. *Mr. Vaibhav Singhi*
5. *Mr. Vickramjeet Singh*

STANDING:

1. *Aaryan Roshan*
2. *Daksh Sachdeva*
3. *Advitya Dua*
4. *Dharni*
5. *Garima Gaur*
6. *Janak Arora*
7. *Akarshit Chawla*



"A YEAR OF UNPRECEDENTED
CHALLENGES AND RESILENCE!"



THAPAR
POLYTECHNIC
COLLEGE

SCIENCE FAIR 2020

“Embrace the Future-
: Innovate, Investigate, Illuminate”





The science of today
is the technology of
tomorrow

Science Fair 2020

Science fair is an opportunity for students to unleash the scientific minds to conduct independent research. The mere purpose of science fair is not only to instill scientific attitude in the young generation but also to make them realize the interdependence of science and technology in day-to-day applications in real life.



Science fair provides a platform for the students and teachers where they can learn from each other's experiences and get motivated to design and develop something new and innovative. A science fair is a great investment of time and energy that produces amazing rewards. It can open doors to career opportunities, improve speaking skills and increase scientific knowledge.

With high spirits and great enthusiasm, a two day mega science fair event at Thapar polytechnic college, Patiala started with the bang on 30th Jan,2020 aimed at inspiring the brain power of youths towards the path of innovation and was ended successfully on 31st jan,2020.



The event was inaugurated by the honorable chief guest Dr Prakash Gopalan (Director, TIET and Chairman Managing Committee, TPC), Dr R. S Kaler (Dean of Faculty Affairs, TIET and Vice Chairman, Managing Committee TPC), Dr Manik Kumar (Dean Students Affairs), Dr S.S. Bhatia (Dean Academic Affairs, TIET), Dr Gurbinder Singh (Registrar, TIET), Dr Prem Pal Bansal (Head, CED, TIET) and Mr. Lakhbir Singh (Deputy Director Sports, TIET) also graced the occasion. Dr Ritu Jindal (Convenor Science Fair, 2020) welcomed the esteemed guests and apprized the audience about the assiduous efforts of all the students who tirelessly worked on their extraordinary projects. Our worthy Principal Dr Ankush Kansal whose brain-child is this event thanked the guests for their honorable presence and motivated the young brains to inculcate scientific temper. The stage was set for the inauguration of the "Spectrum 2019", the 2nd edition of the Annual college magazine.



Principal Dr Ankush Kansal warmly receives the guests.



The fair was an opportunity for the budding engineers to give shape to their innovative ideas. The students of the various engineering departments namely Mechanical, Electrical, Civil, Computer Science, Architecture and Applied Sciences exhibited their projects. Various sustainable topics and ideas were picked up and demonstrated visually. In two days more than 50 schools visited the Science Fair and approximately 1400 school students beheld the models projected by TPC students and understood different ideas enthusiastically. Fun-filled events, quizzes and logo making competitions made the atmosphere more colorful. The students from different schools participated overwhelmingly and won prizes in a variety of interesting activities. The school students were also apprised about the diverse opportunities in the field of technical education through audio-visual mode. All the guests praised the efforts of the students and congratulated them for putting their best foot forward. Dr Ankush Kansal in his speech highlighted the hard work behind the success of the Exhibition and he anticipated a bright future for the students. He hailed the confidence of the students and motivated them to keep up the good work.





DAY - 2

Concluding Day

The much-awaited award ceremony took place on the concluding day. The projects were critically evaluated by the experts and participants enthusiastically tried to answer all the queries posed by them. Dr. Ajay Batish (Deputy Director, TIET) was the Chief Guest for the Academic Prize and Project Winners. The day was special for the academic prize winners as the year long toil of theirs was being rewarded.



The first, second and third rank holders of academic session of 2017-2019 and the project winners were awarded with prizes and mementos. Dr. Ajay Batish visited the exhibition stalls and encouraged the students for their efforts with his inspiring word. The Co-Convenor of Science Fair 2020, Mr. Vaibhav Singhi extended the vote of thanks to the esteemed Chief Guest and the distinguished audience. The encouraging words of Dr. Ankush Kansal, Principal Thapar Polytechnic College whose brain-child was the event, marked the end of Science Fair.



During the Science fair students of all the branches exhibited their models and the following positions were bagged by the students: -

Architecture Department

First Position- Apartments

Harshpreet Bawa

Nancy Rupal

Lajmukh

Uneek

Second Position- Evolution of Houses

Manpreet Singh

Third Position- Hotel

Shubham Joshi

Rishika

Ritesh Garg

Vaibhav S. Pathania

Civil Engineering Department

First Position- Truss Arch Bridge

Deepanshu

Mayank Singh Bhardwaj

Naitik Kamra

Vikrant Rana

Second Position- Base Isolation

Niket Kumar Kesri

Vishavjot Singh

Third Position- Self-Cleaning Roads

Kunal Hans

Vyom Yadav

Rajdeep

Sumrit Hans

Naveen Semwal

Lali Singh

Third Position- Self Balancing Bike

Aman Dhiman

Mohit Koundal

Davinder Singh

Umesh Gaba

Electrical Engineering Department

First Position- Li-Fi (Light Fidelity)

Sonu Garg

Taranbir Singh

Manpreet Singh

Second Position- Smart Elevator

Prabhsimran Singh

Navdeep Singh

Prince Goyal

Third Position- Underground Cable Fault Detection

Navdeep Singh

Gurdeep Singh

Aachil Garg

Computer Engineering Department

First Position- Radar System

Hemang

Gurprateek

Ashutosh

Second Position- Wi-Fi Door Lock

Aditya

KVNRS Chaitnya

Third Position- Smart Mirror

Ashmeet

Abhinandan Singla

Deepak Mittal

Mechanical Engineering Department

First Position- Cow Dung Log Making Machine

Mayank Vashisth

Amreek Singh

Second Position- Hydraulic Trolley

Sharanpreet singh

Hansdeep

App. Science Department

First Position- Saving of Energy

Rupinderveer Singh

Lovepreet Singh

Second Position- Arduino Voice Control Car

Gurnaz Singh

Hitesh Jain

Himanshu

Third Position- Hyperloop

Aaryan

Chirag

Pratham

COW DUNG LOG MAKING MACHINE



The design and Fabrication of the automatic log making machine is to use the available energy from the cow dung. The machine produces cow dung log in the form of long bar which is used as fuel for many purposes such as cooking, heating boilers, brick chambers, etc. This saves the consumption of wood as a fuel. Automatic log making machine consists of hopper, Motor, Gearbox, coupling, screw conveyor, drum and bearing. This machine uses Cow Dung as raw material. The dry cow dung is fed into the hopper, which is mounted on the top of the cylinder Drum, so that the cow dung slides over the hopper and reaches the cylinder drum. The screw conveyor is fitted inside the drum to transport the cow dung to the die side, compresses the dung and come out of the die as a cow dung log. The screw extruder is driven by the motor which is coupled to the gearbox to reduce the speed from the motor. Cow dung logs used as fuel for many purposes such as cooking, heating boilers, chambers and many other purposes. The main aspect is to automate the cow dung log making process. The purpose of study is to replace manual production to semi-automated process and also to increase production rate.

RADAR SYSTEM



RADAR is an object detection system which uses radio waves to determine the range, altitude, direction or speed of objects. Radar system come in a variety of sizes and have different performance specifications. Some radar systems are used for air-traffic control at airports and others are used for long range surveillance and early-warning systems. A radar system is the heart of a missile guidance system. Small portable radar systems that can be maintained and operated by one person are available as well as systems that occupy several large rooms. Radar was secretly developed by several nations before and during the World War II. The term RADAR itself, not the actual development, voice was coined in 1940 by United States Navy as a crony for Radio Detection and Ranging.

HYDRAULIC TROLLEY



A hydraulic system for rotating or tilting the trolley of a truck to any required angle (i.e., any angle in the range of 90 degree towards right or left from normal position horizontally) and lift it to dump or unload the material in instant position of trolley by hydraulic actuation with hand lever pumping is made by our brilliant students. Prototype is constructed and in real conditions it is expected to use the engine power for hydraulic actuation. Material handling involves the movement, storage, control and protection of materials, goods and products throughout the process of manufacturing, distribution, consumption and disposal. The focus is on the methods, mechanical equipment, systems and related controls used to achieve these functions. A material handling system can be simply defined as an integrated system involving activities such as handling, storing and control of materials. The word material has a very broad meaning, covering all kinds of raw materials, work in process, sub-assemblies and finished assemblies. The primary objective of using a material handling system is to ensure that the material in the right amount is delivered to the desired destination at the right time and at the minimum cost.

SELF BALANCING BIKE



Recently, many investigations have been done regarding to the problems of controlling two-wheeled self-balancing robot. To find out which method is suitable to design a self-balancing bicycle and it will focus on the control system of the structure. There are several ways in order to design an efficient self-balancing bicycle which are by using control moment gyroscope (CMG), mass balancing, steering control and reaction wheel. Based on previous research, the usage of CMG is the suitable choice since it can produce large amount of torque, it has no ground reaction forces, and the system can be stable even when the bicycle is stationary. Two-wheeled self-balancing vehicle commercially known as "Segway" is a promising upcoming mode of transportation in many fields viz. corporate worlds, tourist place, medical field, or for personal use. In this project, a control strategy and sensor-based control of two-wheeled self-balancing vehicle is proposed. The concept of the stabilizing the vehicle is inspired from the inverse pendulum theory. Based on steady-state space mathematical model, the entire system control is divided into two subsystems: self-balance control system (forward or backward motion balancing) and yaw both subsystems. A prototype model of the self-balancing vehicle is developed and the proposed mathematical model and control logic are verified by testing on the developed prototype.

OVERHEAD CRANE MECHANISM



The design optimization of an overhead crane with a double box girder has been proposed . In this project the design optimization of double box girder has been done and a comparative study of results of finite element analysis of a crane with 10-ton capacity and 12 m span length has been conducted. It is not possible for the real experimental studies to take into consideration the influence of the connections between the main beams and the rest parts of the construction, the influence of the longitudinal and transverse ribbings as well as the influence of the supports on the overall stressed state of the construction. Moreover, the researches that use for the majority of the test cases different strain measurements turn out to be quite hard and expensive. All these problems could be solved successfully by the use of computer modeling procedures. It is possible to perform 2D or 3D computer studies. The 2D computer studies give idea of the planar behavior of the construction and lack the opportunity of showing the influence of supports or the connections of the construction. It is only the 3D models that could satisfy all the requirements for examining the general stressed state of the carrying metal construction.

STEERING MECHANISM



Nowadays, every vehicle existed mostly still using the two-wheel steering system to control the movement of the vehicle whether it is front wheel drive, rear wheel drive or all-wheel drive. But due to the awareness of safety, four-wheel steering vehicles are being used increasingly due to high performance and stability that they bring to the vehicles. In this report, the performance of four wheels steered vehicle model is considered which is optimally controlled during a lane change maneuver in three type of condition which is low speed maneuver, medium speed maneuver and high-speed maneuver. Four-Wheel Steering – Rear Wheels Control. For parking and low-speed maneuvers, the rear Wheel steer in the opposite direction of the front wheels, allowing much sharper turns. At higher speeds, the rest wheels steer in the same direction as the front wheels. The result is more stability and less body lean during fast lane changes and turns because the front wheels don't have to drag non-steering rear wheels onto the path

AUTOMATIC STREET LIGHTS



Street lights are the major requirement in today's life of transportation for safety purposes and avoiding accidents during night. Despite that in today's busy life, no one bothers to switch it off/on when not required. The project introduced here gives solution to this by eliminating manpower and reducing power consumption. This requires three basic components i.e., LDR, Sensors and micro-controller. During daytime there is no requirement of street lights so the LDR keeps the street light off until the light level is low. During the night when light level is low then street light turns on automatically without any switch and man power.

TRUSS ARCH BRIDGE



A truss arch bridge combines the elements of the truss bridge and the arch bridge. The actual resolution of forces will depend upon the design. If no horizontal thrusting forces are generated this becomes an arch-shaped truss, essentially a bent beam. If horizontal thrust is generated but the apex of the arch is a pin joint, this is termed a three-hinged arch. If no hinge exists at the apex, it will normally be a two-hinged arch. The structure of each frame emulates the kind of structure that previously had been made of wood. Such a wood structure uses closely fitted beams pinned together, so the members within the frames are not free to move relative to one another, as they are in a pin-jointed truss structure that allows rotation at the pin joint. Such rigid structures (which impose bending stresses upon the elements) were further developed in the 20th century as the Vierendeel truss.

ROAD SAFETY UNDER LOW VISIBILITY



Generally, in winters, due to fog, the roads become unclear and the visibility decreases considerably and it becomes difficult for the vehicle drivers to see other vehicles running on the road which increases the chances of accidents. On December 28, 2019, an accident occurred at Saban Chowk, NH-8, in Rewari, Haryana, in which 4-5 vehicles met with an accident and 2 people died and 12 people injured in it, due to low visibility on road. To prevent these types of accidents, we made this project called "ROAD SAFETY UNDER LOW VISIBILITY", in this project, IR proximity sensors are used on each light poles, erected in the sides of roads, and connected them to the two signal lights, one fixed at the pole where the sensor is fixed and other one fixed at the pole preceding to this pole. The 2nd signal light is fixed at preceding pole because it will give some time to the vehicle driver coming towards the stopped vehicle to slow down the vehicle to avoid accident. When any vehicle stops on the road, the sensors detect the vehicle and gives signal to the other vehicles by glowing the signal light fixed at the poles and thus the accidents can be prevented.

FLEXIBLE PAVEMENTS USING PLASTIC WASTE



The waste plastic and its disposal are a major threat to the environment, which results in pollution and global warming. The utilization of plastic waste in bituminous mixes enhances its properties and also its strength. In addition, it will also be a solution to plastic disposal & various defects in pavement viz., pot holes, corrugation, ruts, etc. the waste plastic used are poly-ethylene, polystyrene, polypropylene. The waste plastic is shredded & coated over aggregate & mixed with hot bitumen and resulted mix is used for pavement construction. This will not only strengthen the pavement and also increases its durability. The titanium-dioxide is used as a smoke absorbent material, which will absorb the smoke from the vehicles. This innovative technology will be boon for Indian hot-humid climate. It's economical and eco-friendly. In this paper, we have discussed about the soil properties to be considered in design of pavement, pavement design, process of construction flexible and plastic-smoke absorbent pavement

BASE ISOLATION OF BUILDING



A base isolation system is a method of seismic protection where the structure (superstructure) is separated from the base (foundation or substructure). By separating the structure from its base the amount of energy that is transferred to the superstructure during an earthquake is reduced significantly. These base isolation systems often tend to include one or more type of bearing to support the weight of the structure. Some examples of these components are; elastomeric pads, sliding plates or inverted pendulums. All of these components can provide some level of energy dissipation. The relative displacement of ground and the structure is zero for a perfectly rigid, zero period structure, since the acceleration induced in the structure is same as that of ground motion. Whereas in an ideal flexible structure, there is no acceleration induced in the structure, thus relative displacement of the structure will be equal to the ground displacement.

LIGHT WEIGHT CONCRETE BLOCKS



Lightweight concrete mixture is made with a lightweight coarse aggregate and sometimes a portion or entire lightweight fine aggregates instead of normal aggregates. Structural lightweight concrete has an in-place density (unit weight) on the order of 90 to 115 lb / ft³ (1440 to 1840 kg/m³). Normal weight concretes a density in the range of 140 to 150 lb/ft³ (2240 to 2400 kg/m³). For structural applications the concrete strength should be greater than 2500 psi (17.0 MPa). Lightweight aggregates used in structural lightweight concrete are typically expanded shale, clay or slate materials that have been fired in a rotary kiln to develop a porous structure. Other products such as air-cooled blast furnace slag are also used. There are other classes of non-structural LWC with lower density made with other aggregate materials and higher air voids in the cement paste matrix, such as in cellular concrete. The local industrial waste, if found suitable for lightweight concrete, can be economically utilized. The reduction in weight of concrete helps easy removal, transport and erection of precast products. By using lightweight concrete reduction of cost to the extent of about 30 to 40 percent. The lightweight concrete doesn't present special problems with respect to freezing and thawing. It is due to the fact that the larger pores in aggregate are unlikely to become saturated, provided the cement paste is protected by air entrainment. The lightweight concrete has comparatively less tendency to spall. Hence, its fire resistance is greater as compared to the ordinary concrete. It has low thermal expansion than ordinary concrete. The sound absorption of lightweight concrete is good because of the fact that the air-borne sound energy is converted into heat in the minute channels of the concrete. The sound absorption coefficient of the lightweight concrete is nearly twice than that of the ordinary concrete.

AUTOMATIC RAILWAY PHATAK CON- TROL



This project consists a running train with overhead line, it also consists an automatic railway gate and automatic street light. This model consists a circular railway track on which train runs with taking supply from overhead line and overhead line taking supply through substation input is from 230V AC which further rectified into 5V DC. When train is arriving toward the railway gate, train pass through the sensor, that sensor detect the train and pass the signal to the railway gate mechanism then railway gate closes automatically. When train passes then railway gate opens automatically itself. Model also consist automatic street Light. These street Light automatically switch ON at dark time (night time).



LI-FI (LIGHT FIDELITY) MONITORING SYSTEM FOR TRAFFIC CONTROL AND SIGNAL TRANSFER IN VEHICLE

Li-Fi is a mobile wireless technology that uses light rather than radio frequencies to transmit data. The technology is supported by a global ecosystem of companies driving the adoption of Li-Fi, the next generation of wireless that is ready for seamless integration into the 5G core. Li-Fi uses light for data transmission while Wi-Fi uses electro-magnetic waves at radio frequencies for data transmission. Solar Panels, Amplifier, Tower Transponders, sensors, Cameras, Automatic Calculation System, IR laser is required for this project. The Project uses a latest technology system for monitoring. It is called Li Fi. In this Li fi system we use a solar panel to receive the signal or data. When sometimes there is dense fog on intersection or roads of intersection then no steady locations are scanned by GPS system that causes a lot of accidents.



SMART ELEVATOR (THE FUTURE OF VERTICAL TRANSPORTION)

The project is inspired as by taking the vertical transportation to a whole new level. Vertical transportation industry as a huge potential as with the growing population the cities are getting congested day by day, which leads to multiple story building in which elevators are must .Unlike regular elevators the marsiac (smart elevator)can be controlled using a smart phone which makes it much convenient in various ways. A smart elevator is based on Arduino technique that is used now days, in large buildings, to reduce higher waiting time, higher traveling time, and less power consumption.

OVERHEAD TRANSMISSION LINE FAULT DE- TECTION BY GSM



This project will detect following four major faults and will give trip signal to relay. The four faults detected by the model are: Overvoltage fault, short-circuit fault, Fire detection, Line broken faults. Faults are generally caused by mechanical failure, accidents, excessive internal and external stresses etc. During the faults, the power flow is diverted towards the fault and the supply to the neighboring zone is affected. Voltages become unbalanced. It is necessary to detect the fault as early as possible that is why a kit is being made using microcontroller to make its process faster. This device involves the use of microcontroller for detection and isolation of the system of instrument with proper use of programming. The instrument devised is economical and effective compared to other protective devices available in market. The design methodology involves the use of microcontroller in conjugation with the relay circuitry with display on a LCD screen. It is a totally new design in the market and it will be a substitute to ELCB's, MCB's and Relays in near future.

SUBSTATION SECURITY SYSTEM



.Thermal imaging technology can improve the reliability and security of electric substations through the use of automated thermal imaging cameras and innovative software. This project uses a thermal monitoring system for providing security and the safety. These systems employ advanced sensing and measurement technology, control methods, and digital communications. They are able to anticipate, detect, and respond rapidly to problems, thereby reducing maintenance costs, the chance of failure, a blackout, and lost productivity.

UNDEGROUND CABLE FAULT DETECTION



This project proposes fault location model for underground power cable using microcontroller. The aim of the project is to be determined the distance of underground cable fault from base station in kilometers. Till last decades cables were made to be overhead & currently it is laid to underground cable which is superior to earlier method. Because the underground cables are not affected by adverse weather conditions such as storm, snow, heavy rainfall as well as pollution. But when any fault occurs in the cable, then it is difficult to locate fault. So we will move to find the exact location of fault. In this project, we have used power supply adapter which is directly connected to the microcontroller with attached LED screen. GPS module is connected to its antenna via long wire to get the proper coordinates of the fault location. GSM module is used for SMS. GSM and GPS module is linked with microcontroller. Relay, resistors, diodes are also used. Three switches are used as transmitter in the three-phase wire and three extra switches are used as receiver in three phase wires. If any of switch is off then SMS will we received on the registered mobile number which indicates the fault in which phase and the location of the fault.

SOME GLIMPSSES OF SCIENCE FAIR 2020 (DAY - 1)



SOME
GLIMPSSES
OF
SCIENCE
FAIR
2020
(DAY - 2)





**THAPAR
POLYTECHNIC
COLLEGE**

COVID-19

**WE ARE IN THIS TOGETHER
AND WE WILL GET THROUGH
THIS TOGETHER!**



“Spring 2020
Lives changed forever
The world truly as one humanity
Humbled to its knees...”



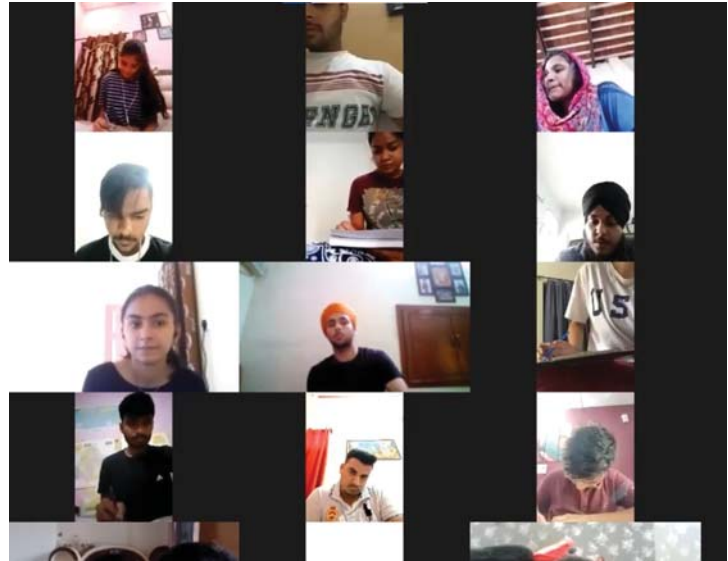


Let's Talk
About Covid 19

COVID - 19

Something Unusual happened to the World

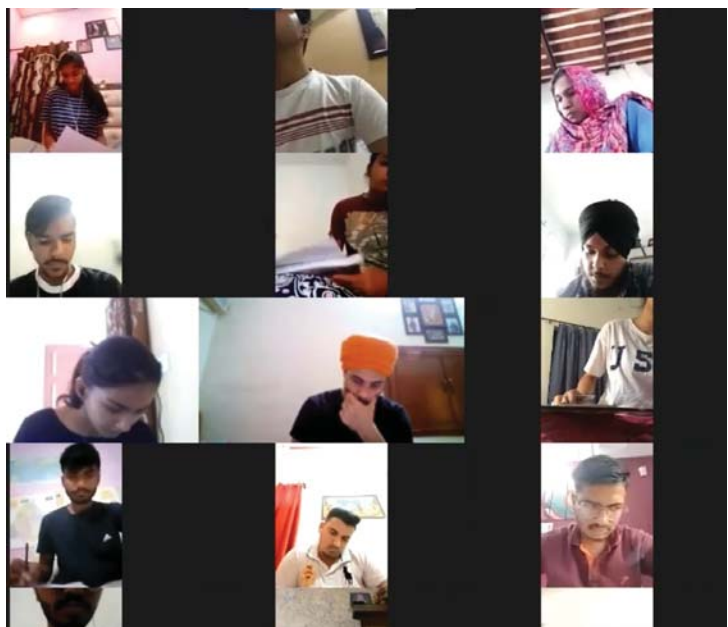
With the advent of 2020 the whole mankind witnessed an unusual phenomenon which was never expected in the century of so much technological advancement and development. The pandemic named as COVID -19 a totally unknown situation surfaced on the universe. People were not at all ready to combat the emergency medical situation hence from March 2020 onwards.



It was inevitable lockdown in India as all other nations were reeling under the same circumstances. Everything came to a standstill. The medical personnel were at the forefront warriors facing the situation and maintaining law and order was a challenge in such a demanding situation.

Education was one of the vistas which needed attention so the institutions now ventured into a new mode of teaching that is on-line mode. The faculty of Thapar Polytechnic started interacting with the students from the first week of April 2020 through online mode.

Adapting with new technology was not a very smooth transition but when the willpower is strong and the dedication to impart the education is the priority and integrity is very high nothing can stop from delivering the best.



In these trying times when everyone was socially cut-off, especially the students needed to be motivated the mentors played a key role in maintaining the balance of mental health of the students by regularly interacting with them and encouraging them by assigning various creative work

To utilize their qualitative time. The challenge of substituting the off-line mode of teaching by on-line teaching was pertinently taken by the teachers of our institution. Thapar Polytechnic was dispensed with the charge of nodal center for the September 2020 examination which was efficiently carried out by the staff members. The semester concluded with the on-line examination.



The month of November 2020 commenced the rejoining of the staff-members of the institution and hence there was a need of Covid-19 testing drive in the campus. The staff-members got themselves tested for COVID -19 to rule out the further spread of the infectious disease. Ample number of precautionary measures were taken such as maintaining social-distancing, wearing masks and frequently sanitizing the hands by all present in the institute.



The much-awaited vaccination drive started in the month of March 2021. Vaccines were launched to save humanity from the deadly disease. As responsible citizens the staff members got themselves vaccinated. For creating awareness about the 'new normal' a special door to door campaign was organized by Thapar Polytechnic College.



The staff -members of the college visited the neighborhood and sensitized the people to wear masks, use sanitizers and keep proper social distancing in order to curb the spreading of the disease.

Gradual unlocking phase coined a word 'new normal. In the words
of **Mukta Panda**

*"Spring 2020
Lives changed forever
The world truly as one humanity
Humbled to its knees...
A new normal
A renewed respect for Mother Earth
A new respect for each other
A new hope
Of love, equality, care, gratitude and kindness
One united prayer
A better world
A new normal"*



Awariness Campaign during Covid - 19





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ONLINE YOGA DAY 2020



“Find your inner peace & balance
from the comfort of your home
this International Yoga Day 2020.”





**Embracing Inner
Peace Online**

Online Yoga Day 2020

'Yoga' in Indian culture means to unite. This practice dates to around five-thousand-year-old practice involving mental and physical amalgamation. It is the unison of man with Nature of God. A healthy mind resides in a healthy body. United Nations General Assembly has declared 21st June as "The International Yoga Day on 11th of December in 2014 all over the world.



Launching a particular day as World Yoga Day was initiated in the U.N.O by our honorable Prime Minister Shri Narendra Modi. To inculcate the habit of healthy lifestyle, Thapar Polytechnic College celebrated 6th International Yoga Day through on-line via zoom meetings with students. Enthusiastic students and the faculty joined the session early in the morning. They performed various 'Asanas' articulately. In this current pandemic situation Yoga and Pranayama are helping us to increase our immunity and fight against the deadly virus.



It embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between man and nature; a holistic approach to health and well-being.

It is not about exercise but to discover the sense of oneness within yourself, the world, and the nature. By changing our lifestyle and creating consciousness, it can help in well-being. Regular practice of yoga will surely help our students achieve a better life, physically, mentally, and spiritually.



Students and teachers demonstrate asanas on International Yoga Day 2020



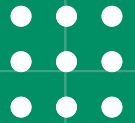


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74TH

INDEPENDANCE DAY CELEBRATION

“Let's Keep the Flame of
Freedom Burning
Embracing the Future”





**FREEDOM IN THE MIND
FAITH IN THE WORDS
PRIDE IN OUR SOULS**

74th Independence Day Celebration

Let's salute the nation on this Independence Day

As the nation geared up for the 74th Independence Day celebration with COVID- 19 hovering on ,Thapar Poly-technic College Patiala opted for a virtual celebration of this auspicious day with great pomp by putting in place adequate safety measures and following social distancing.



Dr Ankush Kansal,
Principal, TPC hoisting
the national flag

Independence Day as the name suggests is to remember and celebrate the struggle and contribution of those who shed their blood for making India a free country.

To mark this day our worthy Principal Dr Ankush Kansal hoisted the National Flag in the college premises amidst the tune of our National Anthem and took the pledge to free ourselves from the virus as our National Heroes fought against the Britishers to bring us freedom. At the end the honorable Principal paid tribute to the martyrs who sacrificed their lives for the cause of freedom and to take a resolution to free them from the yoke of the pandemic.



Due to COVID-19 Pandemic, celebrations of Independence day in India, as well as around the world, have been affected. In 2020 and 2021. Many traditions and gatherings were scaled down or canceled to prevent the spread of corona.

Celebrating Independence Day in college during the challenging circumstances of the COVID-19 pandemic in 2020 was a unique experience that required innovation and resilience. Traditional festivities, such as grand gatherings and physical parades, gave way to a digital transformation. Despite the physical distance, the college community managed to stay connected, paying homage to the country's struggle for freedom, while also underscoring the importance of adaptability and unity in the face of adversity.

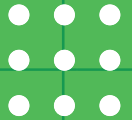




THAPAR
POLYTECHNIC
COLLEGE

TREE PLANTATION DRIVE 2020

“Join us in celebrating Tree Plantation Day 2020
by adding a touch of green to the world.
let's sow the seeds of a greener tomorrow
and nurture a sustainable future.”





Grow Your
Legacy With
Trees

Tree Plantation Drive

Trees are valuable gifts of nature and known as the best friends of human beings. The existence of the universe is solely dependent on the trees. The purpose of tree plantation is to beautify our life, save the endangered environment and make our younger generation aware of maintaining a balance of flora and fauna of this universe.



The faculty of Thapar Polytechnic College, Patiala contributed a little bit towards saving the planet by conducting a Tree Plantation Drive in the Campus and planted more than 20 trees in the campus. The faculty showed great enthusiasm in planting trees and they knew their hard work would recharge ground water, prevent soil erosion, forests will become dense and yield more benefits.

The initiation of 'new normal' was initiated by a small step of tree-plantation drive in November- 2020 after the reopening of Thapar Polytechnic College. The staff-members participated in this drive with enthusiasm.





**THAPAR
POLYTECHNIC
COLLEGE**

**FACULTY
&
DEPARTMENT
ACHIEVEMENTS
2020**





AWARDS &
CERTIFICATES

TPC'S

Faculty and Department Achievements

2020

The year 2020 started with a 7 days Residential Faculty Development Program for Student Induction (FDP-SI) at Panjab University, Chandigarh organized by All India Council for Technical Education (AICTE). Ms. Geenu Raheja, Ms. Ridhi Mittal, Mr. Karanpreet Singh and Ms. Prabhjot Kaur successfully participated in this program from 17.1.2020 till 23.1.2020.

F.No AICTE/FDP-SI/NWRO/132/11113



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that **Ms. Ridhi Mittal** from **Thapar Polytechnic College, Patiala**, has participated and successfully completed 7-days "Faculty Development Program for Student Induction (FDP-SI)" during 17 - 23 January, 2020 at Panjab University, Chandigarh organized by All India Council for Technical Education(AICTE).

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE

F.No AICTE/FDP-SI/NWRO/132/11074



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that **Mr. Karanpreet Singh Virk** from **Thapar Polytechnic College, Patiala**, has participated and successfully completed 7-days "Faculty Development Program for Student Induction (FDP-SI)" during 17 - 23 January, 2020 at Panjab University, Chandigarh organized by All India Council for Technical Education(AICTE).

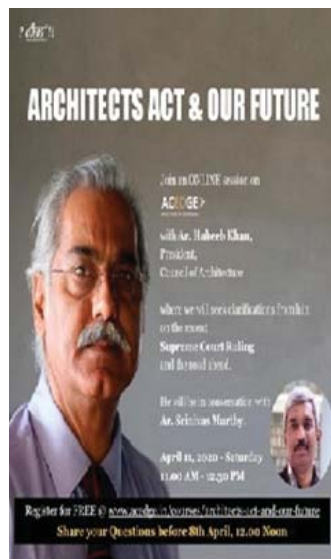
Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE

Achievements by Architecture Department

Ms. Sangeeta Goyal (HAAD) is one of the most enterprising faculty members of the institute who keeps on refurbishing her knowledge by attending various webinars, seminars and FDP's from time to time and she keeps on encouraging her staff members to do so. She has been elected as Executive Member of IIA Patiala Sub-Centre for the term 2020-2022. Ms. Sangeeta Goyal also got WOMEN ERA AWARD -2021 on the occasion of International Women's Day on 06-03-2021 at Hotel Flyover Classic, Patiala from Rashtriya Jyoti Kala Manch. Details of her participation in various activities are given below:

1. Ms. Sangeeta Goyal (HAAD) attended a seminar on "Sustainable and Safe Buildings" on 7th Feb.2020 at Parade Ground, Sector- 17, Chandigarh, organized by UDAN Media and IIA Punjab Chapter.
2. Ms. Sangeeta Goyal (HAAD) attended the online session on Architects Act and Our Future (ACEDGE -an ethos



ARCHITECTURE DEPARTMENT



DR. ANURAG JOSHI
HOD Electrical Engineering Thapar Polytechnic College Patiala(Pb.)

Webinar series on the topic
"Mental Health Well Being in the time of Covid-19"

Stress Management through Music: A Scientific Approach

28th April, 2020 3:00 PM to 4:00 PM

HUMAN RESOURCE DEVELOPMENT CENTER
Email: hrdc@deshbhagatuniversity.in | Contact No. +91-7087032263

Achievements by Electrical Engineering Department

Dr. Anurag Joshi, Head Electrical Engineering Department is a pioneer in the field of stress management. Focussing on integrating technology and meditation in order to reduce the stress levels in individuals affecting institutional performance. Dr.Joshi has facilitated many summer/winter schools /workshops as an expert whose details are given below:

S.No.	Title of Course (Conference /Workshop)	Host Institution	Dates
1.	Stress Management	Jindal Group, Oman	May 2, 2020
2.	Stress Management through Music	Desh Bhagat University	28 th April, 2020

SPEAKERPRENEUR PROGRAM

CERTIFICATE OF PARTICIPATION

This is granted to
Dr Anurag Joshi

for completing the S28 SpeakerPreneur Program in 2021.
Dates:19April 2021-10 May 2021
Grade:Outstanding(O)

DR GOPIKA KUMAR
Chief Trainer

SKILLPRENEURS
GK
BY GOPIKA KUMAR

JINDAL SHADEED جندال شهيد للحديد والصلب ش. م. جندال شهيد للحديد والصلب ش. م.
Jindal Shadeed Iron & Steel LLC

Ref. No. JSIS/OMAN/COO/277 June 13, 2021

To,
Dr. Anurag Joshi,
Head Dept. of Electrical Engineering,
Thapar Polytechnic College,
Patiala - 147001.

Subject: Appreciation of being an expert for online workshop & seminar on "Stress Management".

Dear Sir,

It is with a great deal of appreciation that we wish to thank you on the behalf of our esteem organization Jindal Shadeed Iron & Steel LLC, Sohar, Oman for taking precious online session on Stress Management during Covid time.

We appreciate your efforts for conducting the same. Our senior management enjoyed the session & learnt a lot from this session.

We are grateful to you, as you spared time on 2nd May, 2020 for 1 hour from 11 am to 12 hrs.

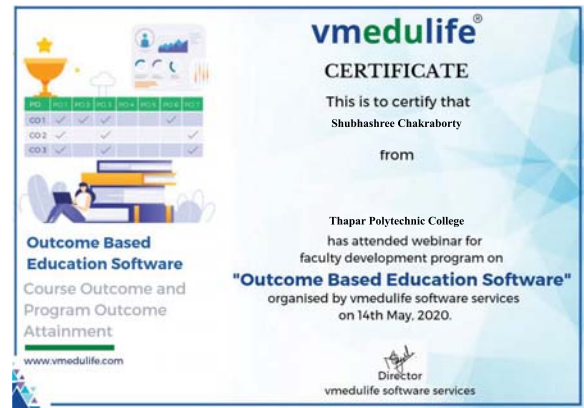
It will be honor to remain associated with you even for our future endeavors.

Thanks & regards,
FOR JINDAL SHADEED IRON & STEEL LLC.,
SANTAY ANAND
CHIEF OPERATING OFFICER & HEAD

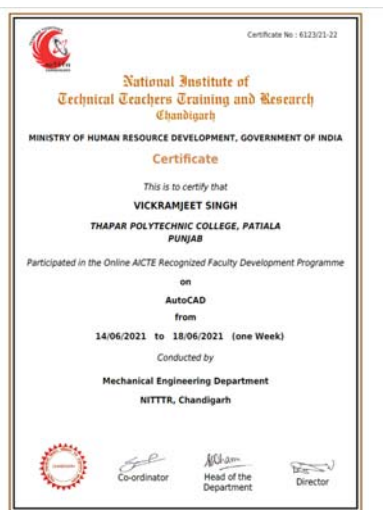
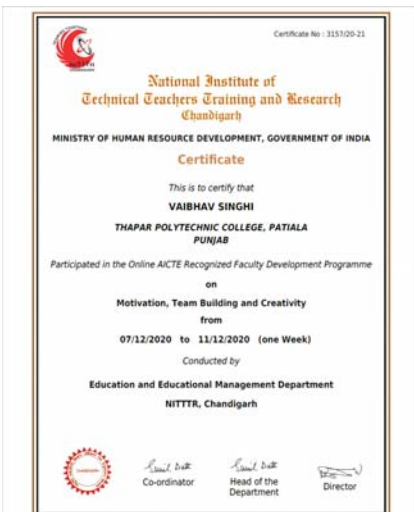
www.jindalshadedeel.com



S. No.	Faculty	Training Detail	Duration
1	Dr. Arminster Singh	"Ambient Technologies: State-of-Art, Challenges, and Future Directions" organized by Jaypee University of Information Technology, Waknaghat-173234 (H.P.) India.	27.7.2020 to 8.8.2020
2	Dr. Arminster Singh	"Exploring Potential: STC on 2020 research advances towards generating leading investigators ", organized by Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India.	24.8.2020 to 28.8.2020
3	Mr. Rajan Verma	Entrepreneurial Career Orientation for Mechanical Engineering and Allied Disciplines organized by NITTTR, Chandigarh	14.9.2020 to 18.9.2020
4	Mr. Vaibhav Singhi	Motivation, Team Building and Creativity organized by NITTTR, Chandigarh	7.12.2020 to 11.12.2020
5	Mr. Rajan Verma	Engineering Materials: Applications n Green Technology. organized by NITTTR, Chandigarh	14.12.2020 to 18.12.2020



Trainings attended by faculty of Mechanical Engineering Department



Details of the courses attended by all other faculty members

S. No.	Faculty	Training Detail	Duration
1	Ms. Sangeeta Goyal	Transformation in shaping Architecture Post Coronavirus	2 hrs
2	Ms. Sangeeta Goyal	Holistic Approach in Mega Urban Infrastructure	1 hr
3	Ms. Mehak Khurana	Webinar on Revival of Environment	17.5.2020
4	Mr. Prince Goyal and Ms Palvinder kaur	Recent Advancements in Concrete Technology	15.9.2020 to 19.9.2020
5	Ms. Premjit Kaur, Ms. Mehak Khurana and Ms Parul Attri	ENS –Implementation and Capacity Building Program	3.12.2020 to 4.12.2020
6	Ms. Sangeeta Goyal (HAAD)	Future of Architecture and issues of Profession	16th May 2020
7	Ms. Mehak Khurana	Revival of Environment	17th May ,2020
8	Ms. Sangeeta Goyal (HAAD)	Amendments to Architects Act 1972	18th May 2020.
9	Ms. Sangeeta Goyal (HAAD)	Redefining Smart and Sustainable Green Human Settlements Post Covid -19	22nd May 2020



Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY
JALANDHAR – 144 011, PUNJAB, INDIA

Certificate of Participation

presented to

PALVINDER KAUR

for having attended the

One Week Short Term Course on

Recent Advancements in Concrete Technology

15-19 September 2020

Organised by

Department of Civil Engineering

Dr B R Ambedkar National Institute of Technology, Jalandhar

under the aegis of

Technical Education Quality Improvement Programme-III (TEQIP-III)


Coordinators


Head of Department



Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY
JALANDHAR – 144 011, PUNJAB, INDIA

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Prince goyal

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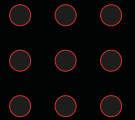

Coordinators


Head of Department



THAPAR
POLYTECHNIC
COLLEGE

TRAINING
&
PLACEMENT
2020





**Improve Your
Skills! Gain
Jobs!**

TPC'S

Training and Placement Cell

2020

The key objective of the Training & Placement Cell is to offer students a robust platform where they can harness their potential and gain invaluable hands-on experience by immersing themselves in the corporate world. It plays a pivotal role in bridging the gap between a multitude of industries and organizations on the hunt for talented and fresh under-graduates across a wide spectrum of disciplines. Within the TPC, we are fortunate to have the unwavering guidance and support of Mr. Rajan Verma, who serves as the Training and Placement Officer (TPO).

Department of Mechanical Engineering

S.No	Candidate Name	Name of the Company
1	AMAN DHIMAN	GS Alloys, Patiala
2	HARKIRAT SINGH	Federal Mogul, Patiala
3	MANZHAN SAGGU	Federal Mogul, Patiala
4	MONU SHARMA	Federal Mogul, Patiala
5	PANKAJ MITTAL	Federal Mogul, Patiala
6	SANDEEP SINGH	NK & Sons, Nabha
7	UMESH	Swaraj Nabha

Department of Electrical Engineering

S.No	Candidate Name	Name of the Company
1	Ram Kumar	NSIC ,Rajpura
2	Tushar Gautam	NSIC ,Rajpura

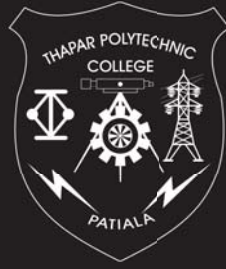
Department of Architectural Assistantship

S.No	Candidate Name	Name of the Company
1	GURSAGAR SINGH	Jaswal & Associates, Patiala, Punjab
2	HARMANDEEP SINGH	Hy-axis architects, Patiala
3	KARAN SHARMA	SPACE ART Design Studio, Patiala

Department of Civil Engineering

S.No	Candidate Name	Name of the Company
1	Aditya Raj	Segmental Pvt. Ltd.
2	Aviral Shrivastava	PMC Infra Ltd.
3	Deepanshu	L and T Ltd.
4	Vikrant Rana	Kalpatri Transportation Ltd., Gujrat

Under the invaluable leadership, our team at TPC has left no stone unturned to ensure that students from diverse academic backgrounds secure promising placements in a variety of reputable companies. Numerous recruitment drives have been coordinated by eminent organizations in search of prospective talent. These drives have been a significant success, attracting students from disciplines like Mechanical Engineering, Computer Science, Civil Engineering, Architectural Assistantship, and Electrical Engineering at Thapar Polytechnic College in Patiala. Through rigorous selection procedures, students from various academic backgrounds demonstrated their determination and earned desirable appointment letters, marking the onset of promising careers in their chosen fields. This endeavor epitomizes the overarching mission of our Training & Placement Cell, where ambition meets opportunity, and potential is realized in the professional realm.



“REBUILDING HOPE
ONE STEP AT A TIME”

**NEW
YEAR
CELEBRATION**



Cheers to a
Brighter Tomorrow

New Year Celebration!

BEGINNING OF 2021 WITH CELEBRATIONS!!!

With hearts brimming with enthusiasm and confidence, the faculty at Thapar Polytechnic College embraced the arrival of the New Year 2021. It was a celebration that radiated positivity and a collective promise to steer our course through the journey of the coming year. The faculty and staff of our esteemed institution ushered in the morning with renewed energy, glowing faces, and a sense of anticipation. The campus was abuzz with activity, as everyone played a part in orchestrating a vibrant New Year's celebration.



The day of festivities kicked off with a wide array of engaging games that brought laughter and camaraderie. The cultural event that followed was masterfully anchored by the talented duo, Mr. Deepak Batish and Mr. Harinderjit Singh. At 11 a.m., the curtains lifted on the main stage, and the event coordinator, Dr. Ritu Jindal, Head of Applied Sciences, extended a warm welcome to all in attendance. This was followed by an inspiring address by our esteemed Principal, Dr. Ankush Kansal, who set the tone for the day ahead.



The stage was then graced by the presence of Ms. Sangeeta Goyal, Head of Architectural Assistantship, who captivated the audience with a heartfelt New Year's speech and a melodious rendition of the classic Hindi song, "Kisi ki muskura-haton pe ho nisar." The musical journey continued with an energetic performance by Dr. Anurag Joshi, Head of Electrical Engineering, who uplifted the mood of the audience with his musical talents.

It was indeed a proud moment to witness the incredible talent and versatility of our faculty members, who proved to be true all-rounders. The line-up of performances was nothing short of spectacular, with Ms. Abha, Ms. Silky, and Dr. Rohit Rampal taking the stage and enchanting the audience with their mesmerizing acts. The performances were interspersed with fun-filled games that added an interactive dimension to the event. Tokens of appreciation were awarded to the game winners, recognizing their efforts and participation.



The festivities reached their zenith with the traditional cake-cutting ceremony, followed by a sumptuous lunch that allowed everyone to savour the moment and relish delicious food together. The memorable day drew to a close with a heartfelt vote of thanks from the Principal, Dr. Ankush Kansal, and expressing gratitude to all for making the celebration a resounding success.





As the day unfolded, it was time to unleash a burst of energy. The stage became the platform for exhilarating Giddha and Bhangra performances by our energetic faculty members. The joyous and vibrant dance routines captivated the audience, and for a while, all worries and stresses were forgotten as everyone joined in the celebration.



In conclusion, the New Year celebration at Thapar Polytechnic College was a testament to the spirit of unity, talent, and positivity that defines the institution. It was a day of joy, laughter, and the promise of a brighter future. As the faculty and staff came together to celebrate, they exemplified the importance of fostering a close-knit community within the college. This celebration was a reminder that, in the face of challenges, the bonds of friendship and the spirit of togetherness will always prevail, lighting the path for a promising year ahead.

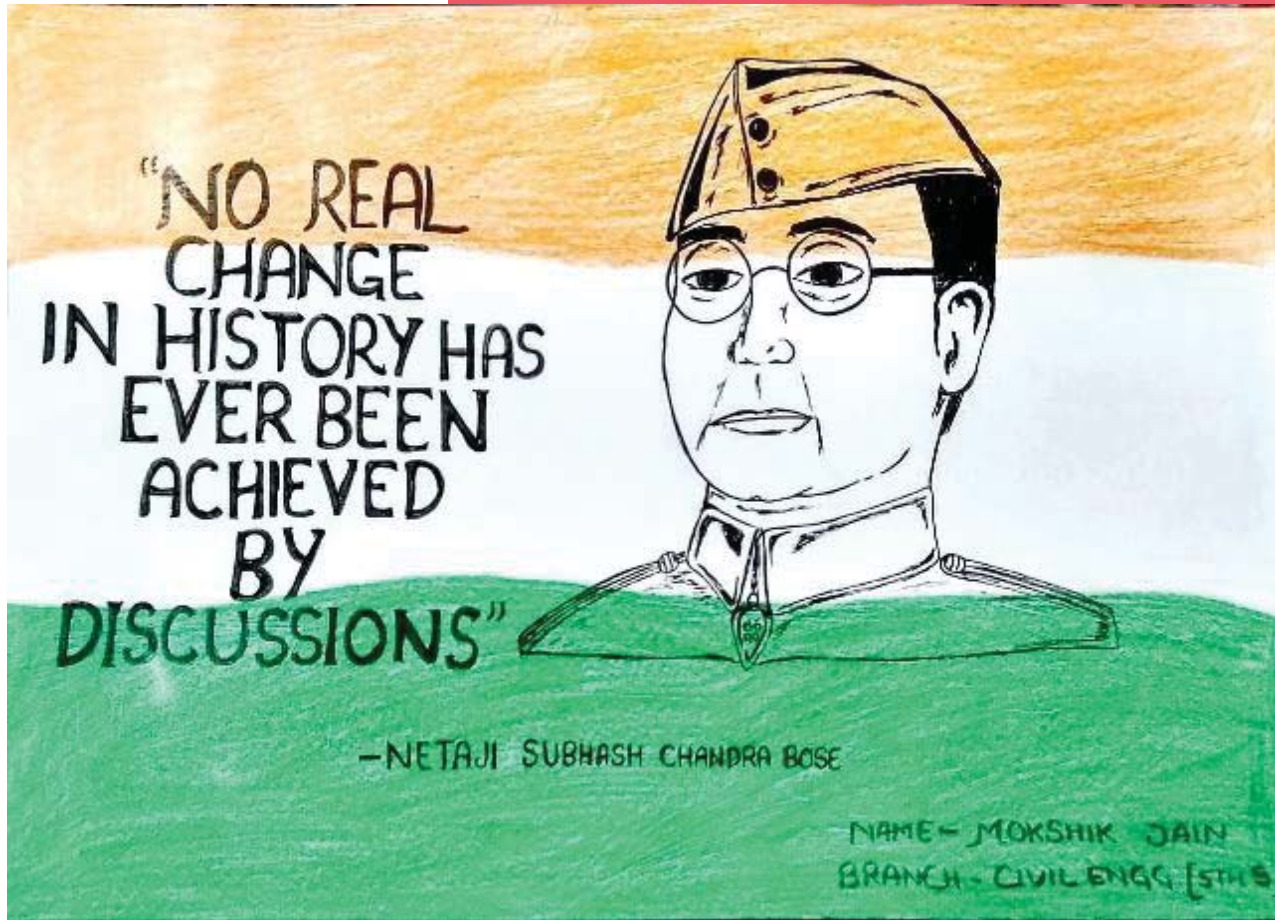
SOME GLIMPSSES OF NEW YEAR



POSTER MAKING COMPETITION 2021

“Craft Your Message,
Win the Canvas
of Recognition”





POSTER
MAKING
COMPETITION

**Parakram Diwas :
Celebrating the Heroic Legacy of
Netaji Subhas Chandra Bose"**

In a poignant tribute to the great freedom fighter, Netaji Subhas Chandra Bose, the Union Culture Ministry declared January 23, 2021, as "Parakram Diwas," marking the quasiquicentennial of his birth. This significant day is now celebrated annually to honour the indomitable spirit and selfless service of Netaji to the nation. It serves as a reminder of his unwavering courage, inspiring the youth to demonstrate resilience in the face of adversity and kindling the flames of patriotism in their hearts.



However, in the backdrop of the ongoing COVID-19 pandemic, the celebration took a different form, transitioning to the online realm. Thapar Polytechnic College, recognizing the significance of this day, adapted to the times and organised a meaningful commemoration.

As part of the celebration, a documentary on Netaji Subhas Chandra Bose was screened for the students. This documentary offered a glimpse into the life and ideals of this remarkable leader, highlighting his unyielding commitment to the cause of India's independence. It was a tribute that allowed students to connect with Netaji's vision, even in the midst of challenging circumstances.

To foster creativity and artistic expression among the students, a poster-making competition centered around Netaji was organized. This competition served as a canvas for students to pay their respects to this legendary figure in their unique way. Through their artwork, they could capture the essence of Netaji's courage, determination, and unwavering love for the nation.

The response to the competition was overwhelming, with students pouring their hearts and souls into their creations. Their posters depicted Netaji as a symbol of hope, a source of inspiration, and a true embodiment of courage. The entries resonated with the passion and respect that the youth hold for Netaji, underscoring his timeless relevance in today's world.

Recognizing the outstanding efforts of the participants, winners of the poster-making competition were duly acknowledged and awarded. This gesture not only celebrated their artistic talents but also affirmed the importance of honoring heroes like Netaji Subhas Chandra Bose in our collective memory.

In conclusion, "Parakram Diwas" is not just a day to remember a historical figure; it is an occasion to rekindle the spirit of courage and patriotism that Netaji Subhas Chandra Bose epitomized. Thapar Polytechnic College's adaptation to the virtual realm exemplifies the resilience and adaptability of the institution in the face of challenges. It is a reminder that even in trying times, the legacy of great leaders like Netaji continues to inspire and guide the youth of our nation. Through initiatives like the poster-making competition, the college nurtures creativity and pays homage to those who dedicated their lives to the cause of India's freedom.



72ND

REPUBLIC

DAY

CELEBRATION

“Proudly waving the
tricolor of
freedom and
Unity in Diversity”





"Celebrating Sovereignty,
Saluting Unity!"

72nd Republic Day

Republic Day, the 26th of January, is a day that fills every Indian heart with pride, a day that marks the birth of the world's largest democracy. It is a day when the nation stands together, united under the tricolor, to celebrate its sovereignty, secularism, and the rich tapestry of its cultural heritage. Thapar Polytechnic College, known for its commitment to academic excellence and holistic development, did not shy away from its duty to partake in this vibrant event



To celebrate this vibrant event, Thapar Polytechnic College initiated a flag-hoisting ceremony that radiated with patriotism. The esteemed Dr. Ankush Kansal, the Principal of the college, unfurled the tricolor amidst the enthusiastic slogans of 'Bharat Mata Ki Jai.' The campus reverberated with the thunderous voices of the students, faculty, and staff, all echoing the same sentiment of love for their motherland. The ceremony was a poignant reminder of the sacrifices made by countless individuals to secure our freedom and uphold our democratic values. It was a moment that reminded us of our duty towards our nation



A brief cultural program followed, showcasing the diverse talents that thrive within the college community. Mrs. Sangeeta Goyal and Dr. Anurag Joshi, two of the college's talented faculty members, rendered patriotic songs that stirred the audience's hearts. The melodies of these songs transcended boundaries and languages, uniting everyone in the hall with a deep sense of patriotism and pride.

It was a reminder that music has the power to bridge gaps and foster a sense of togetherness.

The function reached its culmination with the distribution of sweets, symbolizing the sweetness of unity and diversity in our nation. As students, teachers, and staff shared these sweets, it was a tangible representation of the bond that holds us all together as Indians.



Republic Day is not just a day to commemorate the adoption of the Indian Constitution but a day to reaffirm our commitment to the principles of justice, liberty, equality, and fraternity. Thapar Polytechnic College's celebration of Republic Day was a reflection of this commitment. It was a day when the college community came together to express their love for the nation, to honor those who laid down their lives for our freedom, and to pledge their allegiance to the ideals enshrined in the Constitution.



In conclusion, Republic Day is not merely a date on the calendar; it is a celebration of our identity, our unity in diversity, and our unwavering commitment to democracy. Thapar Polytechnic College's Republic Day celebration was a shining example of how educational institutions can play a pivotal role in nurturing patriotic fervor and instilling a sense of responsibility in the youth.



As we move forward, let us remember the spirit of Republic Day and carry it with us in every endeavor, for it is this spirit that defines us as Indians and lights the path for a brighter, more inclusive future.

YOGA DAY 2021

“Finding the
Inner
balance”





**INHALE PEACE,
EXHALE STRESS**

TPC'S
YOGA DAY
2021

underlining the inclusive nature of yoga as a practice that transcends age, profession, and background. Principal Dr. Ankush Kansal set an inspiring example by actively participating in the session alongside the staff members. In this digital age, the online dimension of the event was equally important, enabling mentors to connect with students seamlessly through platforms like Zoom.



This digital bridge made it possible for students to join from the comfort of Yoga, a word derived from the Sanskrit root 'yuj' holds profound significance in the cultural and spiritual heritage of India. It embodies the essence of unity – the union of the individual soul with the universal soul. In simpler terms, yoga is the path to achieving a state of consciousness where the practitioner finds harmony with their surroundings. This ancient and time-honored Indian practice encompasses a holistic system of personal, physical, mental, and spiritual well-being, ultimately aiming for the all-round unification of body, mind, and soul.



The past year has been a challenging one, with the devastating pandemic, COVID-19, highlighting the importance of immunity and harmony in our daily lives. During these trying times, the wisdom of yoga has shone brightly, offering solace and guidance to individuals seeking balance and resilience.

To commemorate International Yoga Day on the 21st of June, 2021, Thapar Polytechnic College organized a dual-mode celebration, both online and offline. This thoughtful approach allowed the entire college community to participate safely in the event, adhering to pandemic-related precautions.

The highlight of this celebration was a one-hour yoga session led by the renowned Yoga Guru Sri Azad Singh. The event saw enthusiastic participation from both students and staff, their homes while still benefiting from the guidance of experienced yoga practitioners.



The students' enthusiasm for the session was palpable, with some of them demonstrating exceptional skills in yoga. These young practitioners showcased their extraordinary abilities, leaving everyone in awe. Their dedication and passion for yoga were truly commendable, reflecting the profound impact this ancient practice has on the younger generation.





As we reflect on the significance of yoga in our lives, it becomes evident that its teachings are more relevant today than ever before. The practice of yoga encourages self-care, mindfulness, and a deep connection with our inner selves. It reminds us that, in the pursuit of physical and material achievements, we must not neglect our mental and spiritual well-being.



In conclusion, International Yoga Day is not just a day on the calendar; it is an invitation to embark on a journey of self-discovery and well-being. Thapar Polytechnic College's celebration of Yoga Day exemplified the transformative power of this ancient practice, uniting the college community in a collective pursuit of health, harmony, and inner peace. It reinforced the idea that yoga is not a mere exercise but a way of life, offering a path to a healthier, more balanced, and more meaningful existence.

TREE PLANTATION 2021

“Planting Trees,
Growing Hope:
A Greener Tomorrow
Starts Today”





**LIFE BEGINS THE DAY
YOU PLANT A TREE**

TPC'S

TREE PLANTATION

In the words of Khalil Gibran, "Trees are poems that earth writes upon the sky; we fell them down and turn them into paper, that we may record our emptiness." These words resonate deeply in a world where the relentless pursuit of progress often overshadows the invaluable treasures that nature bestows upon us. Trees, the silent giants of our ecosystem, have long been our saviors, offering countless benefits, yet, at times, we fail to understand and protect them.



Thapar Polytechnic College, in its commitment to instilling a sense of environmental consciousness in its students and staff, took inspiration from these ancient traditions and organized a 'Tree Plantation Programme.' on August 10, 2021. The event was a testament to the institution's dedication to preserving nature's beauty and vital role in sustaining life on Earth. It was a call to action, a plea to recognize that we are at a pivotal moment in history, where our choices can either safeguard or imperil the future of our planet.



On the day of the tree plantation, the campus was alive with enthusiasm. Students and staff members, united by a common purpose, gathered with saplings in hand. The diverse selection of trees to be planted symbolized the college's commitment to ecological diversity. From towering banyan trees to the delicate neem saplings, each tree had a role to play in nurturing the environment.

The 'Tree Plantation Programme' at Thapar Polytechnic College was not just about putting saplings into the ground. It was a declaration that the college was invested in addressing the challenges that our next generation would inevitably face. It was a pledge to mitigate the consequences of deforestation and climate change by taking small but impactful steps towards a greener tomorrow.



It was a reminder that trees are indeed poems written by the earth on the canvas of the sky, and it is our duty to protect and preserve these living verses for the sake of our planet and future generations. Through such initiatives, we can ensure that our records are filled not with emptiness but with the vibrant stories of life



75TH

INDEPENDENCE DAY CELEBRATION

“A Diamond
Jubilee of
India’s
democracy”





SWATANTRATA
DIWAS

TPC'S

INDEPENDENCE DAY

2021

15th August 1947 in Indian history marks the dawn of life free from slavery and bondage for every Indian. On this day we commemorate the selfless efforts of our valiant heroes. They had to make a lot of sacrifices to attain freedom from British rule because they loved the country and cared for the people. The rising sun on this day reflects the dawn of democracy and end of colonialism. Independence Day, a day of immense significance in the history of India, was celebrated with fervor and enthusiasm at Thapar Polytechnic College on 15th August.



As we celebrate the 72nd Independence Day, Let's remember the sacrifices made by our freedom fighters. Proud to be part of a nation that values liberty and equality.

The immense significance of this day is celebrated through the length and breadth of the country. The event was marked by a grand parade and soul-stirring patriotic songs, making it a memorable day for everyone present.



Thapar Polytechnic College's Independence Day celebrations were a testament to the institution's unwavering commitment to nurturing patriotic fervor among its students and staff. Thapar Polytechnic College's Independence Day celebrations will be etched in the collective memory of the campus community as a day of reflection, gratitude, and unwavering commitment to the nation. As the sun set on this memorable day, the echoes of the parade and the strains of the patriotic songs lingered in the hearts of all those who were fortunate enough to be a part of this historic celebration.



The tricolor flag, symbolizing our sovereignty, flutters high, evoking a sense of pride in every heart. Thapar Polytechnic College also celebrates this day with much enthusiasm by hoisting of the tri-colour by Principal, Dr. Ankush Kansal and the parade by NCC Students headed by Captain Vijay Sharma. The parade not only paid homage to the heroes of the independence struggle but also emphasized the need for unity in diversity, a core value of the Indian ethos.





Patriotic songs by Mrs. Sangeeta Goyal and Dr. Anurag Joshi reverberated the day's disposition. The patriotic songs not only served as a musical tribute to the freedom fighters but also served as a powerful reminder of the values and principles that underpin the idea of a free and democratic India.



Thapar Polytechnic College's Independence Day celebrations stand as a testament to the institution's commitment to fostering not only academic excellence but also a sense of responsibility towards the nation. The parade and the patriotic songs serve as a reminder that the journey towards progress and development is deeply rooted in our shared history and the values that define us as Indians.

CLEANLINESS DRIVE 2021

“Cleanliness Starts with You:
Join the Cleanliness
Drive Today”





**TOGETHER FOR A
TIDY TOMORROW**

TPC'S

CLEANLINESS DRIVE

2021

Cleanliness, often regarded as a virtue, is a simple yet profound concept that extends far beyond the absence of dirt and grime. It encompasses a state of being that is both refreshing and hygienic, contributing to the overall well-being of individuals and communities. At Thapar Polytechnic College, the importance of cleanliness is not just recognized; it is actively instilled as a core value among students and staff members.



To foster this vital value and promote a sense of responsibility towards one's surroundings, Thapar Polytechnic organised a cleanliness drive on the 22nd of October, 2021. Such initiatives serve as wonderful experiences for students, motivating them to actively contribute to society and raise awareness about the significance of maintaining clean and tidy environments.

Under the guidance of our esteemed Principal, Dr. Ankush Kansal, the process of cleanliness took place with full zeal and enthusiasm. What made this drive even more impactful was the active participation of not just the students but also the dedicated faculty and staff members. It became a collective effort, reflecting the unity and commitment within the college community.

During the cleanliness drive, volunteers worked tirelessly to improve the college campus. They removed overgrown grass and stubborn weeds, restoring order and tidiness to the landscape. Additionally, they diligently collected and disposed of the garbage that had accumulated. This hands-on approach not only beautified the surroundings but also instilled a sense of responsibility and ownership among the participants.

Cleanliness is more than just a superficial act; it is a mode of purifying oneself, both physically and mentally. When individuals take part in activities like the cleanliness drive at Thapar Polytechnic College, they are not just cleaning their surroundings; they are cleansing their souls.

It is a reminder that cleanliness is not limited to our external environment; it extends to our thoughts, actions, and the way we carry ourselves in society. Moreover, cleanliness is a catalyst for energy and rejuvenation. When we live and work in clean spaces, we feel more energised and motivated. It is as if the act of cleaning brings a renewed sense of purpose and vitality to our lives. At Thapar Polytechnic College, the cleanliness drive served as a powerful reminder of this truth. Participants left not only with a cleaner campus but also with a refreshed perspective on the importance of cleanliness in their daily lives.



The benefits of living in a clean environment extend beyond the physical realm. It has a profound impact on psychological well-being as well. A clean and clutter-free environment fosters mental clarity and peace, reducing stress and anxiety. When students and staff members actively engage in cleanliness drives, they not only improve the physical surroundings but also experience a boost in their psychological health. It keeps negativity at bay and promotes a positive atmosphere conducive to learning and personal growth.



**ANTI DRUG
LECTURE
ONLINE
2021**

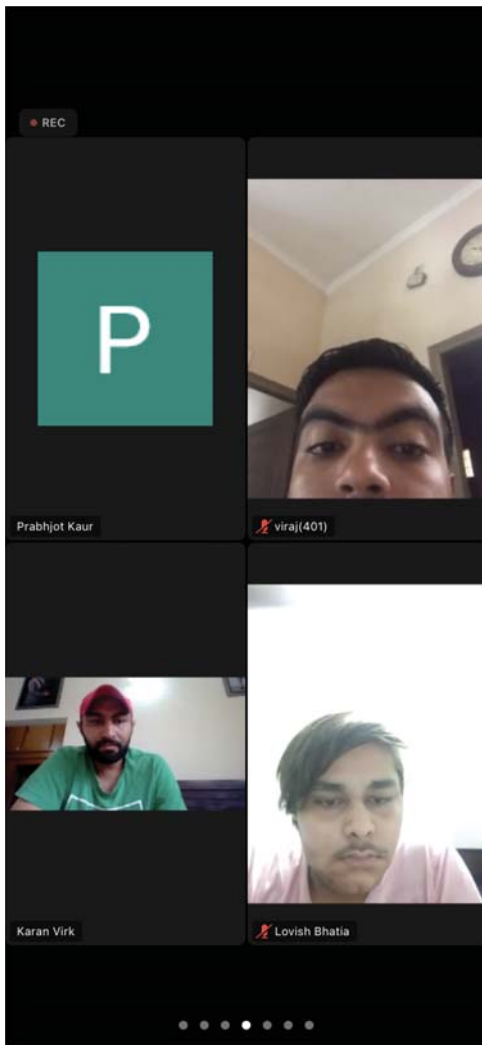
**"Choose
Knowledge
Over Drugs!"**

TPC'S

ANTI-DRUG SESSION

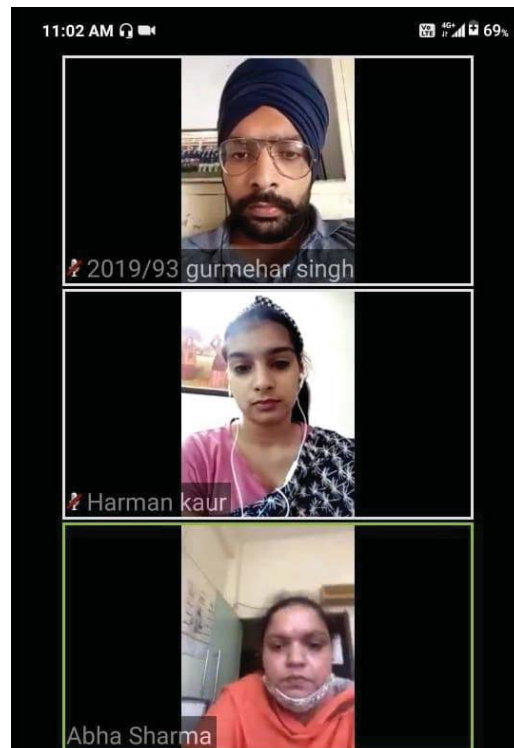
2021

Thapar Polytechnic College Patiala conducted an Anti-Drug Session through online mode with students under Buddy Program of State Government. It was scheduled on July 24, 2021. In this session Principal Dr. Ankush Kansal interacted with students and aware them about the ill effects of taking drugs.



The drug is a substance that can cause the death of an organism if taken more than the dosage. It causes a change in the physiological and psychological structure of the organism when it is consumed. There are various mediums through which one can intake or consume drugs like smoking, inhalation, injection, etc.

The drug is not a dangerous substance itself. But people misuse it in many ways. It is highly dangerous and can cause serious health problems if one takes it on a regular basis. The drug has become a trend in today's world. Today's generation has become obsessed with following whatever is new or trending in the world. Such is the situation in case of drugs.

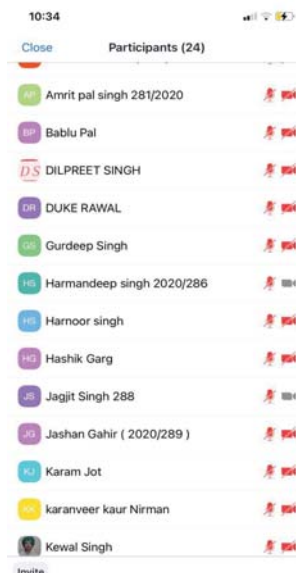


There are also different kinds of drugs. Among them, psychoactive drugs play an essential role. It consists of chemical substances that are very harmful to the human body. It has a high chance to affect the function of the nervous system of a human being. These drugs can affect one's stability of mind, inflict mood swings, etc.

These psychoactive drugs have a significant impact on people. These drugs mainly consist of depressants, antidepressants & hallucinogens etc. and have been proven extremely useful. It has also gained huge success in treating mental disorders around the world. The drugs that are used in a wide variety in the world are caffeine, alcohol, nicotine and many more. These drugs are considered to be recreational drugs. Recreational drugs refer to the drugs that are consumed for pleasure and not for medical purposes.

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EXPERT LECTURE ON SUGAR AWARENESS 2021



“Cut Sugar, Not
Your Lifespan”



**EXPERT
LECTURE**

CREATING AWARENESS:

An Expert Lecture on Diabetes at Thapar Polytechnic College

In an ongoing commitment to promoting health and well-being within its community, Thapar Polytechnic College organized an insightful expert lecture on the "Awareness of Diabetes." The lecture, conducted by Dr. Sanjay Singla, an esteemed medical professional with an MBBS and MD degree from Omnia Hospital, Badunger Road, Patiala, was held on the 13th of November, 2021, at 4:00 PM in the Seminar Hall.



The event marked a significant step in raising awareness about diabetes, a prevalent and often misunderstood health condition. Dr. Sanjay Singla, with his extensive medical expertise, illuminated the audience with valuable insights into the causes, symptoms, management, and prevention of diabetes. His interactive session provided a platform for attendees to ask questions, seek clarifications, and gain a deeper understanding of this chronic disease. One of the noteworthy highlights of the event was the commitment to community health.



The importance of such initiatives cannot be overstated. Diabetes is a global health concern, and raising awareness about its prevention and management is crucial. By hosting expert lectures and offering free health screenings, Thapar Polytechnic College demonstrates its dedication to the holistic well-being of its community members.

This event not only educated individuals about diabetes but also encouraged proactive health-consciousness. It underscored the college's commitment to fostering a culture of well-being, where knowledge and awareness are valued as essential tools for a healthier and happier life.

college's commitment to fostering a culture of well-being, where knowledge and awareness are valued as essential tools for a healthier and happier life.



After the enlightening lecture, Thapar Polytechnic College went a step further by offering free Random Blood Sugar (RBS) tests to interested faculty, staff, and students. This initiative aimed to promote early detection and monitoring of diabetes, empowering individuals with valuable information about their health.

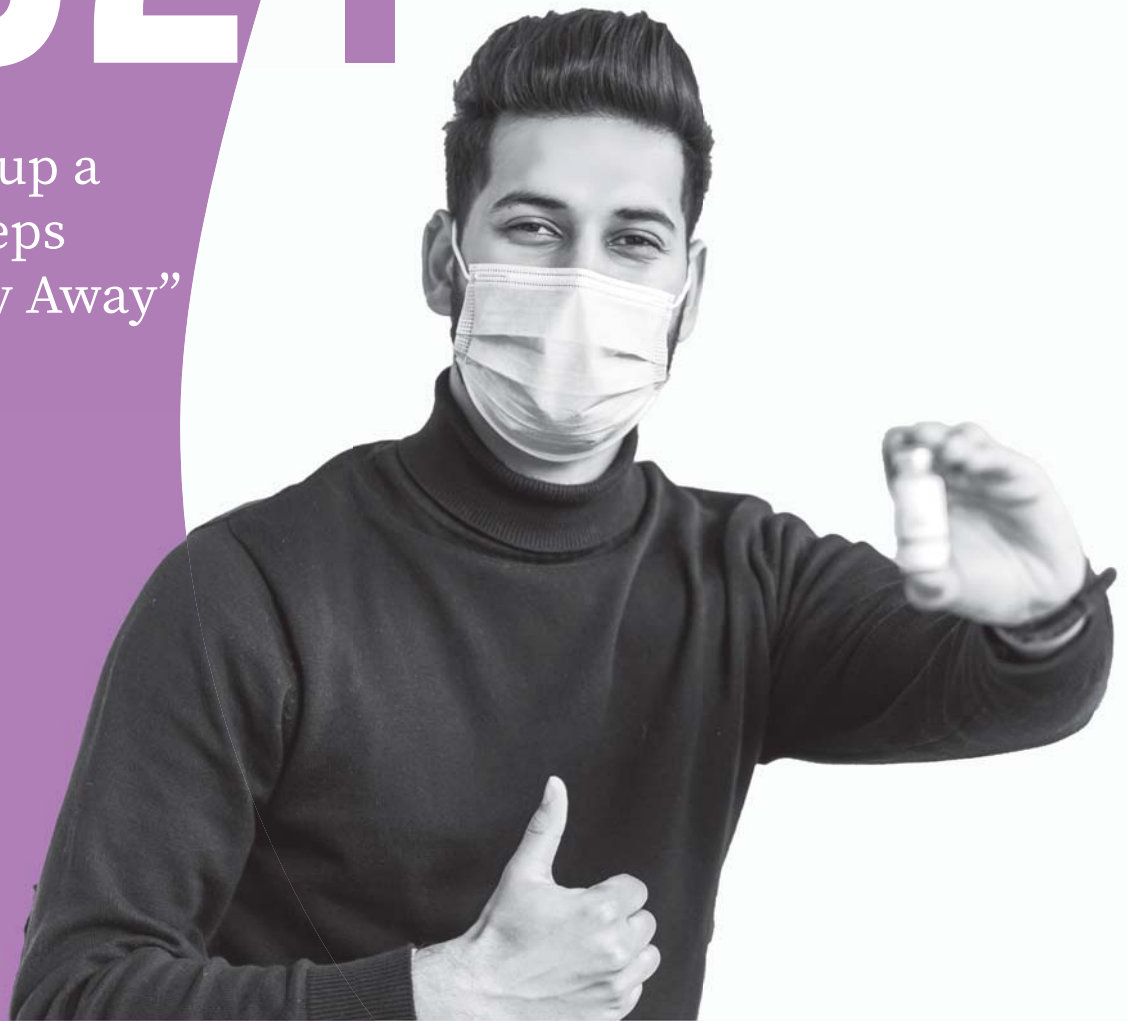


In conclusion, Thapar Polytechnic College's expert lecture on diabetes awareness, followed by free RBS tests, exemplifies its proactive approach to promoting health and well-being. The college recognizes that knowledge is the first step towards prevention, and by offering valuable insights and health screenings, it empowers its community to take charge of their health. Such initiatives not only benefit individuals but also contribute to building a healthier and more informed society.



DENTAL CAMP 2021

“A Checkup a
Day Keeps
Tooth Decay Away”





**YOUR SMILE IS
YOUR SIGNATURE
KEEP IT CLEAN
WITH A CHECKUP**

TPC'S

Dental Check-Up and Awareness Camp

Oral health is a crucial aspect of overall well-being, and it often gets overlooked, especially among students. NSS unit of Thapar Polytechnic College in Collaboration with Dr. Harpreet Kaur Chawla and her para-medical staff from Noor Dental Clinic Patiala organized the one-day free dental camp on 25 November, 2021.



The main aim of the camp was to provide basic dental health education to the students and to boost dental hygiene maintenance. This camp was carried out with the curiosity to find out the prevalence of dental diseases in children with deciduous dentition and early mixed dentition. To identify the method to motivate dental health in the young generation and activate dental hygiene for the future society.



The Dental Check-Up and Awareness Camp were set up in the Thapar Polytechnic College auditorium, which was transformed into a makeshift dental clinic for the day. The event was well-organized with designated registration counters, waiting areas, and dental examination booths. The college's administrative team worked closely with the dental professionals to ensure a smooth and efficient flow of attendees. The dental camp began with an informative awareness campaign in which Dr. Harpreet Kaur Chawla, an expert in the field, emphasized the significance of maintaining healthy teeth and gums. She highlighted the link between oral health and overall well-being, explaining how poor oral hygiene can lead to various health issues. Her engaging presentation captured the attention of the students, making them more receptive to the importance of dental care.



The camp featured the following activities:

1. Dental Check-Ups: Students were given individualized attention by the dental professionals, who performed comprehensive check-ups to identify any dental issues.

2. Interactive Workshops: Informative sessions were conducted to educate students about the importance of oral hygiene, common dental problems, and preventive measures. These sessions were interactive, allowing students to ask questions and seek clarifications.

3. Demonstrations: Practical demonstrations of proper brushing and flossing techniques were provided to help students understand and implement good oral hygiene practices.

4. Distribution of Educational Material: Pamphlets and brochures were distributed to students, containing information about oral health, tips for maintaining healthy teeth and gums, and contact details of local dental clinics.

BLOOD DONATION CAMP



“Give the Gift of
Life: Donate
Blood, Save Lives”



**EVERY DROP COUNTS:
BE A LIFESAVER**

TPC'S

BLOOD DONATION CAMP

A Blood donation camp was organized by our NSS unit, in collaboration with Government Rajindra Hospital Patiala on Dated 25-11-2021 through which more than 120 units of blood was donated by both students and the staff members of our Thapar Polytechnic College. Dr. Gurbinder Singh, Registrar, TIET Patiala inaugurated the Blood Donation Camp by the Health experts.



Thapar Polytechnic College is bringing a ray of hope to contribute to the serious problems of acute shortage of blood. India faces a blood shortage of 3 million units. The problem can be addressed if an additional two percent of Indians donate blood, as opined by the Health experts. We need 12 million units of blood every year but just about nine million units are being donated. The drive started around 9 o'clock in the morning. Many common people also participated enthusiastically along with the students. The college also arranged healthy refreshments for those who donated blood in the camp. Volunteers of this blood donation camp were given certificates. A team of five doctors were put in charge for the smooth conduct of the drive.



A resting room was provided for anyone who felt dizzy or sick after donating blood. TPC has been religiously organizing blood donation camps every year and students and the faculty members come forward voluntarily to donate blood. Principal Dr. Ankush Kansal thanked and appreciated everyone present in the camp and brought awareness to them about the shortage of blood and how this noble cause can help the people requiring blood. Blood donation can save the lives of innumerable people. Donation of blood is very critical and crucial for saving the lives of many patients and those who have met with accidents. It is such a great service and contribution to the society and people living in it.



With the theme, "Life in Every Drop," the blood donation camp witnessed an overwhelming response from both students and faculty, reaffirming our commitment to saving lives. The atmosphere was charged with a sense of purpose and enthusiasm as students from various departments eagerly queued up to contribute to this noble cause.





The heart of the event lay in the selfless act of donating blood. It was awe-inspiring to witness students and teachers alike step forward to make this invaluable contribution. The process was smooth and efficient, due to the presence of professionalism of the medical team. Each donor was guided through a series of checks to ensure their eligibility, emphasizing the importance of safety in the blood donation process. The altruism extended beyond the act of donating blood. The students who couldn't donate for various reasons, such as medical conditions or recent travel, played a crucial role in organizing and managing the camp. They helped with registration, provided refreshments, and created an overall supportive atmosphere. Their participation was a testament to the fact that giving goes beyond the physical act; it's about the willingness to contribute in any way possible. Throughout the day, as the line of donors remained steady, a sense of fulfillment filled the air. The tally of points collected continued to rise, and with each increment, there was a collective feeling of accomplishment. Every drop of blood collected had the potential to save a life, to bring hope to someone in need. Dr. Gurbinder Singh, our esteemed chief guest, summed it up beautifully in her closing remarks, saying, "Today, you have not just donated blood; you have given the gift of life. Remember, it's not the quantity but the quality of our contributions that define us as individuals and as a community." The drive concluded with tired but contented smiles, as it carried with the knowledge that the college was not just a place of learning but a place where one learns the true value of empathy and the joy of selfless giving. The blood donation camp had indeed been a day to remember, a day when the college community came together to make a difference, one point at a time.

TRAINING & PLACEMENT

“From Learning to
Earning: Your Path to
Success Starts Here”

**“Transforming
Dreams
into Careers”**

TPC'S

Training and Placement Cell

2021

During the COVID-19 pandemic, the role of a college placement cell has evolved to address the unique challenges that both students and employers face. The placement cell has become instrumental in ensuring students' career prospects while adapting to the new normal. These cells facilitate online interviews, communicate regularly with students and employers to provide updates and guidance, and offer counseling to ease anxieties related to job prospects. Additionally, they have pivoted towards enhancing students' skills through online programs and promoting remote internship opportunities. Resume building and interview preparation have gained importance, with placement cells providing resources and workshops to help students stand out in a competitive job market.

Placements of 2021 Batch

Department of Computer Science and Engineering

S.No	Candidate Name	Name of the Company
1	Gurkanwaljit Singh	Infowiz, Patiala
2	Gursimran Singh	Infowiz, Patiala
3	Hemang Sharma	EH-1 Infotech, Chandigarh
4	Lovepreet Singh	NIIT, Patiala
5	ABHINANDAN SINGLA	NICE EDUTECH PVT.LTD., Hoshiarpur
6	Nipun Gandhi	Gitstein Technology, Patiala
7	Rahul Sharma	TechSquare Solutions, Firozpur
8	Shivam	Next Academy of Research and Robotics, Patiala
9	Viraj	NIIT, Patiala
10	Yadwinder Singh	Solitaire infosys, Patiala
11	Navneet Singh	INFOTECHNOGEN, MOHALI
12	Manpreet Singh Mehna	INFOTECHNOGEN, MOHALI
13	Jashandeep Singh	INFOTECHNOGEN, MOHALI
14	Ravtej Singh	A-467 SIGMA TECHNOLOGIES
15	Rose	Neone X Technologies, Mohali
16	Sasmita Maharana	Neone X Technologies, Mohali
17	Shabnam Thakur	Neone X Technologies, Mohali
18	Vikas Kumar	Neone X Technologies, Mohali
19	MONIKA	Neone X Technologies, Mohali
20	Puneet Inder Singh	Neone X Technologies, Mohali

The Placement Cell of Thapar Polytechnic College Patiala arranged several virtual placements drives during 2021, connected students with employers through online interviews and assessments. The cells also took on the responsibility of equipping students with virtual job search skills, improving resumes, and honing interview techniques.

Department of Architectural Assistantship

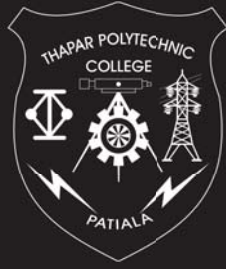
S.No	Candidate Name	Name of the Company
1	Abhinav Dogra	Ar. Ekta Mittal (D'atelier), Patiala
2	Achal Gupta	Ar. Ekta Mittal (D'atelier), Patiala
3	Adnan Ahmad	Ar. Ekta Mittal (D'atelier), Patiala
4	Arshdeep Kaur	Ar. Ekta Mittal (D'atelier), Patiala
5	Ganesh Khatri	Ar. Indu Arora (SPACE ART Design Studio), Patiala
6	Harsh Mehta	Ar. Indu Arora (SPACE ART Design Studio), Patiala
7	Inder Singh	Ar. Indu Arora (SPACE ART Design Studio), Patiala
8	Komalpreet Singh	Ar. Indu Arora (SPACE ART Design Studio), Patiala
9	Manisha Jindal	Ar. Ravneet Pal Singh (ARCON), Patiala
10	Manpreet Singh	Ar. Ravneet Pal Singh (ARCON), Patiala
11	Pallavi	Ar. Ravneet Pal Singh (ARCON), Patiala
12	Pintoo Kumar	Ar. Ravneet Pal Singh (ARCON), Patiala
13	Raghav Batra	Ar. R.S Sandhu (The fountain Head), Patiala,
14	Sanyam	Ar. R.S Sandhu (The fountain Head), Patiala,
15	Anurag Dubey	Ar. R.S Sandhu (The fountain Head), Patiala,
16	Davinder Kamboj	Ar. R.S Sandhu (The fountain Head), Patiala,
17	Navjot Singh	Ar. R.S Sandhu (The fountain Head), Patiala,

Department of Electrical Engineering

S.No	Candidate Name	Name of the Company
1	AACHIL GARG	Automation Systems, Ludhiana
2	AKSHIT SINGH	M K Brothers , Samana Distt. Patiala
3	AMANDEEP SINGH	M K Brothers , Samana Distt. Patiala
4	AMRITPAL SINGH	M K Brothers , Samana Distt. Patiala
5	ANHAD SHARMA	M K Brothers , Samana Distt. Patiala
6	ANKIT GARG	M K Brothers , Samana Distt. Patiala
7	ARWINDER SINGH	M K Brothers , Samana Distt. Patiala
8	DHARAMVEER SINGH	M K Brothers , Samana Distt. Patiala
9	DIVYAM BHARDWAJ	M K Brothers , Samana Distt. Patiala
10	GURDEEP SINGH	M K Brothers , Samana Distt. Patiala
11	GURPREET SINGH	M K Brothers , Samana Distt. Patiala
12	HARPREET SINGH	Automation Systems, Ludhiana
13	HARSHVIR SINGH	Automation Systems, Ludhiana
14	INDERJEET SINGH	M K Brothers , Samana Distt. Patiala
15	INDERJEET SINGH	M K Brothers , Samana Distt. Patiala
16	ISHANTVIR SINGH	Automation Systems, Ludhiana

Department of Electrical Engineering

S.No	Candidate Name	Name of the Company
1	AACHIL GARG	Automation Systems, Ludhiana
2	AKSHIT SINGH	M K Brothers , Samana Distt. Patiala
3	AMANDEEP SINGH	M K Brothers , Samana Distt. Patiala
4	AMRITPAL SINGH	M K Brothers , Samana Distt. Patiala
5	ANHAD SHARMA	M K Brothers , Samana Distt. Patiala
6	ANKIT GARG	M K Brothers , Samana Distt. Patiala
7	ARWINDER SINGH	M K Brothers , Samana Distt. Patiala
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15	INDERJEET SINGH	M K Brothers , Samana Distt. Patiala
16	ISHANTVIR SINGH	Automation Systems, Ludhiana



"EMBRACING CHANGE
CHARTING NEW HORIZONS"



**73rd
REPUBLIC
DAY**



Celebrating
73years of
Democratic
Excellence

REPUBLIC DAY

As the sun rose on the 26th of January, a sense of pride and patriotism filled the air at Thapar Polytechnic College. This day, India observed with reverence and enthusiasm, marks the day our Constitution came into effect, and it is celebrated as Republic Day. Thapar Polytechnic College, too, celebrated the 73rd Republic Day with great fervor and pride, encapsulating the essence of our nation's unity in diversity.



The day commenced with the unfurling of the tricolor by Dr. S.S. Bhatia, the Dean of Academic Affairs at Thapar Polytechnic College. The moment when the national flag soared high in the sky was not just a symbol of freedom but also a testament to the democratic values that our Constitution upholds. The sight of the fluttering flag filled the hearts of everyone present with a profound sense of patriotism.

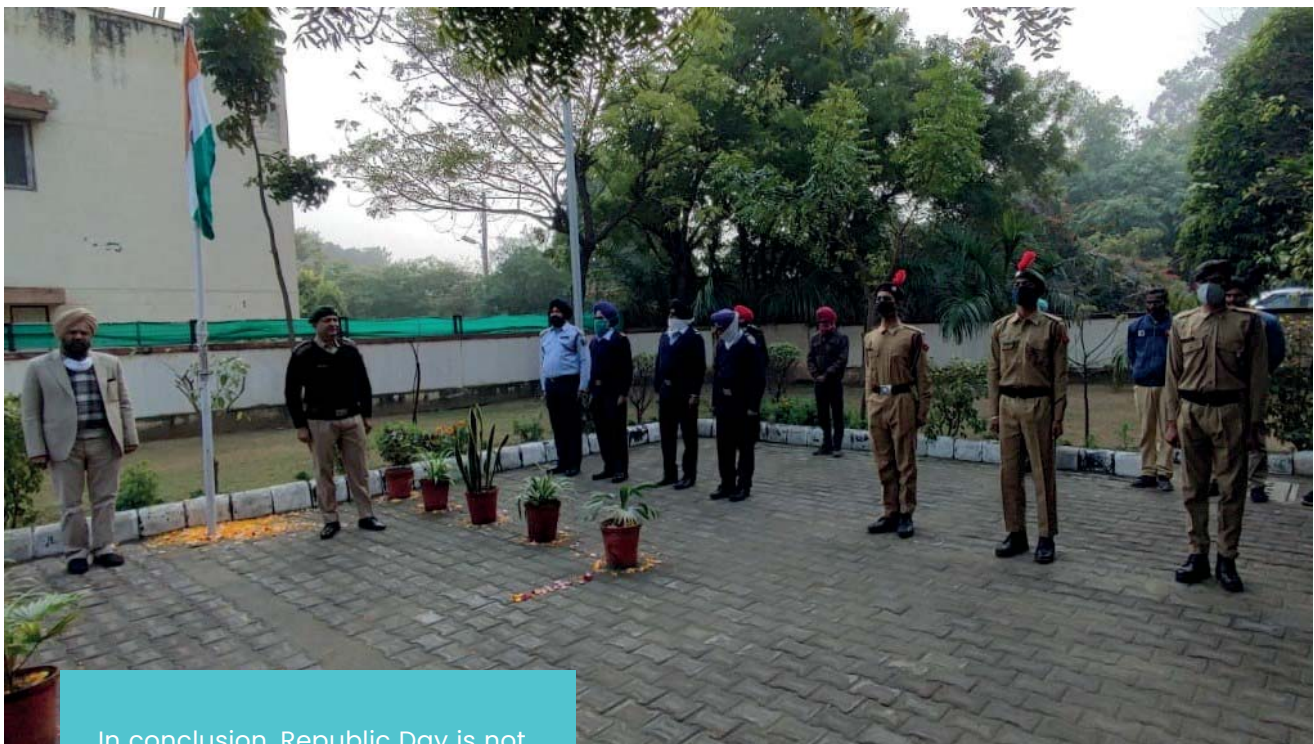
Following the flag hoisting, the National Anthem resonated through the campus, sung in unison by the NCC Cadets. The harmonious rendition of the anthem served as a reminder of the sacrifices made by countless freedom fighters and the resilience of our nation through trials and tribulations.

The cultural program that followed was nothing short of mesmerizing. Dr. Anurag Joshi and Ar. Sangeeta Goyal, two exceptionally talented individuals from our college, took the stage. Their soul-stirring singing performances captivated the audience, leaving them spellbound. The power of music transcended barriers, uniting hearts and souls in the celebration of our diverse and vibrant nation.



A pivotal moment of the celebration was the motivational speech delivered by Dr. S.S. Bhatia. With a deep sense of conviction and passion for our country, he emphasized the importance of collective effort in shaping the destiny of India. He reminded us that Republic Day is not just a holiday but an occasion to reflect on our duties as responsible citizens.

Republic Day is not just a holiday but a day to love and respect our country deeply. It is a day to remember the sacrifices made by our forefathers and to honor the principles upon which our Constitution is founded. It is a day to celebrate the unity in our diversity, the strength in our differences, and the shared dreams that bind us together as one nation. As the celebrations drew to a close, the echoes of patriotic fervor lingered in the hearts of all who attended. The 73rd Republic Day at Thapar Polytechnic College was a reminder that we are the torchbearers of our nation's future. It was a day when we pledged to contribute our best to make India a better place to live, a place of peace, harmony, and progress.



In conclusion, Republic Day is not just a date on the calendar; it is a day that reminds us of our duties and responsibilities as citizens of this great nation. Thapar Polytechnic College celebrated this day with enthusiasm and pride, and it is our collective responsibility to carry forward the spirit of our constitution throughout the year, working towards a brighter and more prosperous India.



**FOREST
DAY
2022**



"Preserve, Conserve, Admire:
Happy Forest Day!"

FOREST DAY

The 21st day of March each year marks the international day of forests, popularly known as international forest day. The day is celebrated globally in diverse ways to portray the gratitude of all humans to mother earth for the provision of forest reserves and its unlimited benefits. This year forest day was celebrated at an event inaugurated by Dr. Ankush Kansal the worthy principal of Thapar Polytechnic College, Patiala

Forests are the lungs of our planet, providing us with oxygen, regulating climate, and harboring a rich biodiversity of plants and animals. On International Forest Day, people from all walks of life unite to express their gratitude to Mother Earth for the precious gift of forest reserves and to acknowledge the myriad benefits they bestow upon us. The celebration serves as a reminder of our collective responsibility to protect and sustain these vital ecosystems.

under the organization of Dr. Anoop Verma (HOD of School of energy and environment TIET). The students of Civil engineering diploma from TPC and M.Tech from TIET in the total count of 65 attended the event actively under the supervision of Dr. Shivani Jindal (Lect. Applied Physics TPC), Ms. Geenu Raheja (Lect. Applied Chemistry TPC) and Dr. K.S Babu (TIET).



The heart of the celebration revolved around two exciting competitions: poster making and essay writing. Twenty students showcased their creativity and artistic skills in the poster-making competition, while four students delved into the depths of their thoughts to craft insightful essays. These competitions provided a platform for students to express their love for forests and their understanding of the crucial role they play in our lives.

After that refreshments were served to all the attendees. Thereafter, Dr. Rajnesh Kumar founder of Round glass foundation gave visual presentation highlighting the steps in plantation, various precautions to be followed and ways to nurture them. There was rapid jumble word contest along with audio visual questionnaire conducted by M.tech student Mr. Dhruv Anand. Every student actively participated and winners were awarded.

Evaluation record and certificate of competition of poster making and essay writing would be sent to TPC. Faculty members were also rewarded by gift and saplings of lemon grass. All in all, it was a great event that seeks to promote the integrity sustainability of our forest reserves as they are vital to the water cycle and the best ticket to carbon sequestration for climate change mitigation.



Speech by Dr. Rajnesh Kumar, Founder of Round Glass Foundation



EARTH DAY 2022



Planet Earth:
Our Shared
Responsibility

EARTH DAY

For the past 40 years, Earth Day has been celebrated globally to call attention to some of our most pressing environmental and social problems, including climate change, biodiversity loss, and dwindling of natural resources. The celebration of eco-consciousness takes place in more than 190 countries around the globe and is the most widely observed nonreligious holiday in history which is essential keeping in mind our Earth's future which should be secure at any cost.



India plays an important part in its celebration and spreads awareness among the new generation so that they have a better future ahead and Thapar Polytechnic College also contributed its part in making the Earth a better place to survive in. Earth day was celebrated on 22nd April 2022 at our campus. In this celebration, two activities:- Tree Plantation and Poster-Making competition were organized to enhance the awareness of this special day among the students and to take the pledge of protecting our precious Earth. The whole college, whether it was the students, support staff, teachers, guards, admin staff or helpers took part in this endeavor and initiative.



Each one of them took a pledge to save Mother Earth by doing simple doable actions. Our continuing efforts in our daily lives will make this beautiful planet thrive. The students showed great enthusiasm by creating beautiful posters on our lovely Earth and it helped them understand how much we need the Earth as Earth means life itself to us. Many trees were planted around the whole campus by our principal, teachers, other faculty workers as well as students which helped make the campus a better environment to exist in.

As it is known that younger ones learn from their guides, our teachers also stepped in and helped show the significance of this special day by planting trees all around the campus. The reason this day is highly celebrated in all the institutions is to protect Earth from climate change, pollution, and over-exploitation of natural resources which can be done if the current generation is guided properly about this matter. Our college did so and encouraged the students to learn about their Earth, their only future which needs to be groomed properly. Events like photography, nature talk, poster making, etc. were organised to celebrate this day in a fun way where the students learned the importance of The Earth. By planting a tree and taking care of it, the students are also taking care of themselves, their health, and their future.



Principal Dr. Ankush Kansal inaugurated the drive and motivated the students to plant more trees and take care of them which enhanced their knowledge of Earth's importance and protection.





As inhabitants of this Earth, the least we can do is come together to do our bit to save our environment. After all, it is because of our activities that our ecological balance has been disturbed. We must make sure that instead of over-exploiting the environment's resources, we must conserve them. Earth is our home. We rely on it completely for our existence in many different ways. Its sources feed us and provide the materials of our way of life. So, as human beings it is fully one's duty of taking care of the Earth and the first step to that is educating the new generation about the Earth, and its importance, in order to safeguard the planet and people.



Still we have time left to improve the condition of our Earth and save our generations by simply educating children of the importance of Earth, education about the circumstances and guiding them to sunlight where they create a better Earth with sustainable development and a healthy mindset and body which is only possible if we create awareness in them while they are still young which was greatly done by our esteemed institution. The students felt encouraged, the teachers enjoyed, everyone loved the new activities around the campus and each person learned something new about the environment.



**EXPERT
TALKZ
TPC**



Dream, Believe
Achieve: Your
Path to Success

MOTIVATIONAL LECTURE BY S.K SHARMA

Thapar Polytechnic College, known for nurturing young minds and shaping their futures, added another feather to its cap on 19th May 2022. The institution hosted a motivational lecture that left a lasting impact on the final year students of Mechanical and Civil Engineering. The guest speaker for this enlightening event was none other than Mr. Satinder Kumar Sharma, an illustrious alumnus from the batch of 1986, who majored in Mechanical Engineering at Thapar Polytechnic College.



Mr. Sharma's journey from the hallowed halls of this prestigious institution to becoming a stalwart in the corporate world is nothing short of inspirational. With over three decades of experience, he has left an indelible mark with his work in renowned Indian and multinational companies such as XEROX, SAMTEL, DURACELL, WHIRLPOOL, TATA, and MAX Group. Presently, he is blazing a trail in the world of management consulting with his own start-up.



The primary objective of Mr. Sharma's motivating address was to instill in the students the belief that their post-diploma life can be the stepping stone to a triumphant career in the corporate sector. He emphasized that the skills and knowledge imparted by Thapar Polytechnic College form a solid foundation upon which they can build their professional journey.





Rise&Shine:
Elevate your
life with
Motivation

Motivational Lecture by Ms. Vandana

In a world filled with challenges and uncertainties, the pursuit of success often requires more than just knowledge and skills; it demands an unwavering spirit, a positive attitude, and the ability to be your own motivator. Thapar Polytechnic recognized this need and organized a transformative motivational lecture on the 26th of March, 2022. The stage was graced by Ms. Vandana, a beacon of inspiration herself, who left an indelible mark on the eager minds of over 60 students who actively participated in the event.



Ms. Vandana, the esteemed presenter, is no stranger to the trials and tribulations of life. She shared her personal journey, peppered with ups and downs, with the intent of illuminating the path for the young and aspiring minds in the audience. Her message was simple yet profound: to succeed, one must become a self-motivator. One of the central themes of Ms. Vandana's motivational discourse was the significance of cultivating a positive mindset and attitude. She eloquently described how optimism can be a powerful force, capable of bringing transformative changes into one's life. Her anecdotes and experiences served as a testament to the profound impact of positive thinking. Ms. Vandana's words resonated with the audience, reinforcing the idea that constructive changes can make an individual brighter and more successful. Ms. Vandana did not merely preach; she ignited the spark of self-motivation within the students. She emphasized the need for each individual to set clear goals and define their purpose. She passionately advocated for hard work and dedication as the keys to achieving those goals. Her message was clear: success is not a gift but an outcome of relentless effort and perseverance.

One of the most memorable takeaways from the lecture was Ms. Vandana's comparison between intellectual individuals and empty vessels. She drove home the point that intellectual people are always disciplined and focused. It is through discipline that they silence the noise of distraction and strive toward their goals. Her words were a wake-up call for students, a reminder that success is not about empty chatter but about meaningful actions. The impact of Ms. Vandana's motivational lecture was palpable in the immediate aftermath of the event. Students left the venue with a renewed sense of purpose and determination.

In conclusion, Thapar Polytechnic's motivational lecture featuring Ms. Vandana was a resounding success, leaving an indelible mark on the hearts and minds of the students. Her words of wisdom continue to resonate, serving as a constant source of motivation for those who were fortunate enough to be present. This event was not just a lecture; it was a catalyst for personal growth and self-discovery. It reminded us all that with a positive mindset, defined goals, and unwavering determination, we have the power to shape our destinies and build successful futures.



Their faces radiated hope and enthusiasm, eager to embark on their journeys as self-motivated individuals. The importance of such motivational programs cannot be overstated. In a world fraught with challenges and uncertainties, students often find themselves grappling with self-doubt and indecision. Ms. Vandana's lecture provided the much-needed guidance and inspiration to navigate these turbulent waters. It empowered students to take charge of their destinies, armed with the belief that they could achieve greatness.





76TH INDEPENDENCE DAY



Celebrate
Freedom:
Embrace
Unity

76TH INDEPENDENCE DAY

As the nation marked its 75th year of independence from British rule on August 15th, 2022, Thapar Polytechnic College, located in the heart of Punjab, celebrated this historic occasion with great patriotic fervour and zeal. The Azadi Ka Amrit Mahotsav, a momentous event for every Indian, was commemorated in a grand manner at the college, with students, faculty, and staff coming together to pay homage to the sacrifices of our freedom fighters and to pledge their commitment to the nation's progress.



The festivities commenced with the rising sun, as the Principal of Thapar Polytechnic College, Dr. Ankush Kansal, accompanied by the dedicated staff members, hoist the tricolor national flag. The sight of the majestic flag fluttering in the breeze against the backdrop of the college campus stirred feelings of pride and unity among all present. One of the highlights of the celebration was the soulful musical performances by Dr. Anurag Joshi and Ar. Sangeeta Goyal. Their melodic renditions of patriotic songs from various eras evoked a strong sense of nostalgia and reverence for our great leaders who fought tirelessly for our freedom. The audience was captivated by the melodies that have been an integral part of our nation's journey towards independence and progress. It was a musical tribute that touched the soul and left a lasting impression on all those who attended.



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Following the musical interlude, the Principal, Dr. Ankush Kansal, took the stage to address the students and the college community. In his inspiring speech, he emphasized the importance of being honest and sincere towards our motherland. He spoke of the sacrifices made by countless individuals to secure our freedom and the responsibility that comes with it. Dr. Kansal urged everyone to contribute to the well-being of our nation by performing their responsibilities with dedication and dignity

He said, "We must remember that the freedom we enjoy today was not easily won. It came at a great cost, with the blood, sweat, and tears of our brave freedom fighters. It is our duty to honor their legacy by being responsible citizens who work towards the betterment of our society and country." Dr. Kansal's words struck a chord with the audience, and there was a sense of solemn commitment in the air. The students and faculty members left the celebration with a renewed sense of purpose and determination to contribute to the progress of India.



The day concluded with the college community taking a pledge to uphold the principles of liberty, equality, and fraternity, and to work tirelessly for the development and prosperity of our beloved India. The spirit of independence, which had been ignited by the tricolor flag, the National Anthem, and the stirring musical performances, continued to burn brightly in the hearts of all those who participated.



**AZADI
KA
AMRIT
MOHATSAV
2022**



From Freedom
To Prosperity:
Celebrating 75
Glorious Years

AZADI KA AMRIT MAHOTSAV

Republic Day, a day that holds profound significance in the hearts of every Indian, was celebrated with great zeal and fervor at Thapar Institute of Engineering and Technology (TIET) Patiala's School of Energy and Environment on 18th October 2022. This grand celebration was organized in collaboration with the Computer Science and Engineering (CSE) department of Thapar Polytechnic College (TPC) Patiala and took place at the prestigious TSLAS Seminar Room. The event, aptly named "Azadi Ka Amrit Mahotsav," aimed to commemorate the spirit of freedom, unity, and the rich cultural heritage of India.



Professor K.S. Babu, an eminent faculty member of the School of Energy and Environment, TIET Patiala, took on the role of the event coordinator. Dr. Anita Rajour, a distinguished figure in the academic world, was invited as the esteemed guest of honor. The inauguration of this enlightening occasion was a grand affair, graced by the presence of Dr. Anita Rajour, Prof. K.S. Babu, Dr. Ankush Kansal, Principal of Thapar Polytechnic, and Dr. Damodharam. The traditional lighting of the lamp ceremony marked the commencement of the event, followed by the enchanting rendition of Saraswati Vandana. This auspicious beginning set the tone for the day, reminding everyone of the rich cultural tapestry of India.

The guest of honor, Dr. Anita Rajour, and the event coordinator, Prof. K.S. Babu, addressed the gathering, emphasizing the importance of such events in connecting the youth with their roots, culture, and nation. They encouraged students to actively participate and immerse themselves in the celebration, as it served as a reminder of the sacrifices made by our forefathers to secure our freedom and uphold our values.



The students of TIET Patiala's School of Energy and Environment participated enthusiastically in various events, showcasing their talent and knowledge. The essay writing and poster-making competitions provided them with a platform to express their thoughts and creativity on the themes of freedom, culture, and constitution. The informative Audio/Visual round was a lively segment, with students actively participating and answering questions related to the nation's heritage and values. To enrich the vocabulary of the students, a word game involving unscrambling jumbled letters was organized, which was both entertaining and educational.

The event garnered positive feedback from the students, who expressed their gratitude to the coordinators for organizing such an enlightening celebration. Their testimonials highlighted the significance of events like "Azadi Ka Amrit Mahotsav" in fostering a deep sense of patriotism and cultural awareness among the youth. The valedictory speech, delivered by the event coordinators, summed up the day's proceedings. They emphasized the importance of preserving our cultural heritage and values while acknowledging the sacrifices made by countless individuals for our nation's freedom. The coordinators expressed their hope that such events would continue to be organized in the future, fostering a sense of pride and responsibility among the youth of the country.



In conclusion, "Azadi Ka Amrit Mahotsav" at TIET Patiala's School of Energy and Environment was a resounding success, celebrating Republic Day with great enthusiasm and reverence. The event served as a reminder of the sacrifices made by our freedom fighters and the importance of preserving our cultural heritage. It also highlighted the active participation and enthusiasm of the students, showcasing their dedication to learning and upholding the values of the nation.





SEMINAR ON PLASTIC MANAGEMENT



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Say no to plastic,
keep planet fantastic"

SEMINAR ON PLASTIC WASTE MANAGEMENT

Plastic, once hailed as a marvel of modern innovation, has now become an ever-present and often problematic part of our daily lives. Its convenience and versatility have made it indispensable, but its excessive usage and improper disposal have led to an environmental crisis. Plastic waste management, especially at the local level, is the need of the hour to combat this pressing issue. Understanding the importance of addressing this challenge, the NSS unit of Thapar Polytechnic College organized a seminar titled "Plastic Waste Management: The Way Ahead" on October 19, 2022.



The seminar, spearheaded by Er. Prince Goyal, aimed to sensitize students about the hazards of plastic usage in our daily lives and to inspire them to reduce their consumption of single-use plastics. With plastic waste becoming a significant concern, particularly in rural areas, the seminar sought to empower the youth to become agents of change in their communities. The event was well-attended, with approximately 60 students eager to learn about the detrimental effects of plastic waste on our environment. Er. Prince Goyal, the resource person for the seminar, began the session by shedding light on the escalating problem of plastic pollution and its far-reaching consequences. He emphasized that the onus of responsibility lies on individuals to adopt sustainable practices.



One of the key takeaways from the seminar was the urgent need to reduce the usage of single-use plastics. These disposable items, such as plastic bags, straws, and bottles, are major contributors to plastic pollution. Er. Prince Goyal highlighted practical steps that students could take to lessen their reliance on these harmful products, from carrying reusable bags to investing in reusable water bottles.

Dr. Ankush Kansal, the college's principal, addressed the audience at the conclusion of the seminar. He applauded the students for their active participation and stressed the importance of individual actions in addressing the plastic waste crisis. Dr. Kansal urged students to embrace sustainable alternatives and to be mindful of their plastic consumption. As a symbolic gesture, reusable cloth bags were distributed to the students at the end of the seminar. These bags served as a reminder of the commitment to reduce single-use plastics in their lives. The distribution of these bags was a practical step towards making a real difference, as students left the seminar with a tangible tool to reduce plastic waste.

The success of this seminar was evident in the enthusiasm and engagement of the students. They left the event with a newfound understanding of the environmental challenges posed by plastic waste and a determination to make positive changes in their own lives. The message of "Say no to Plastic" resonated with the attendees, inspiring them to become ambassadors for a plastic-free future.



In conclusion, the seminar on plastic waste management held at Thapar Polytechnic College was a resounding success. It served as a catalyst for change, encouraging students to be more conscious of their plastic consumption and to actively work towards reducing it. With the youth leading the way, there is hope for a cleaner and greener tomorrow where plastic pollution is no longer a looming threat.

THAPAR
POLYTECHNIC
COLLEGE

FACULTY
&
DEPARTMENT
ACHIEVEMENTS
2021-2022



Architectural Assistantship Department

The Architectural Assistantship department has consistently demonstrated excellence in shaping future professionals. With a dynamic faculty, their achievements in research, design, and industry collaboration have set new benchmarks. Notably, their innovative projects, publications, and awards in the field have not only enriched the department's reputation but also inspired students to reach greater heights in the realm of architecture and design.



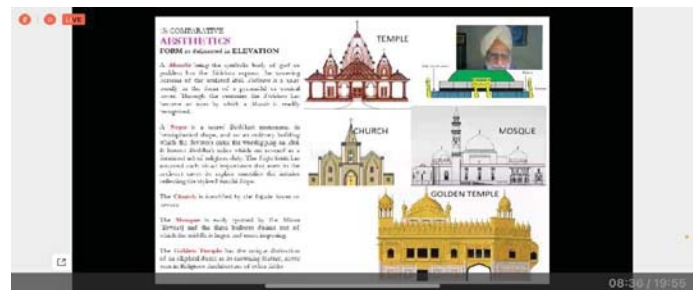
Department has organized several competitions/ events in the college on different occasions such as poster making, art and craft, best out of waste. Faculty of AA department marked its contribution in organizing several cultural events and brought laurels to college.





Ar Sangeeta Goyal Received WOMEN ERA AWARD -2021 on the occasion of International Women’s Day on 06-03-2021 at Hotel Flyover Classic, Patiala from Rashtriya Jyoti Kala Manch and attended online webinars on Energy Conservation and Energy Efficiency on 18th Feb 2021 and 19th Feb,2021

Ar. Premjeet Kaur attended several online webinars time to time to enhance her skills such as Energy Conservation and Energy Efficiency on 18th Feb 2021 and 19th Feb,2021, Variability and factors affecting the interpretation of concrete strength on 12th June, 2021 and attended an International Symposium on Sikh Architecture on 7th September,2021, supported by ASSOCHAM GEM Green Building Council. She also attended a webinar on Lighting Education in India UltraTech on 18th September 2021



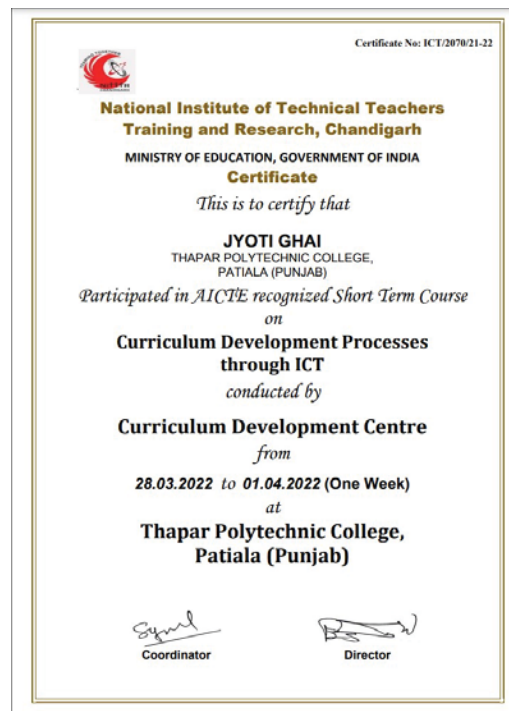
Applied Sciences Department

The faculty of the Applied Sciences department at Thapar Polytechnic College, Patiala, is a beacon of success and innovation. With a wealth of research publications, patents, and industry collaborations, they have left an indelible mark on the field of applied sciences. Their dedication to nurturing young minds and promoting cutting-edge research makes them a source of pride for the institution and an inspiration to students.



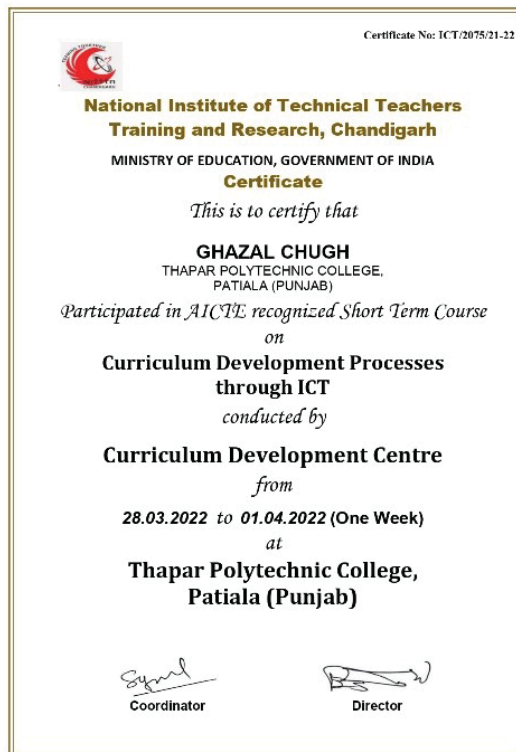
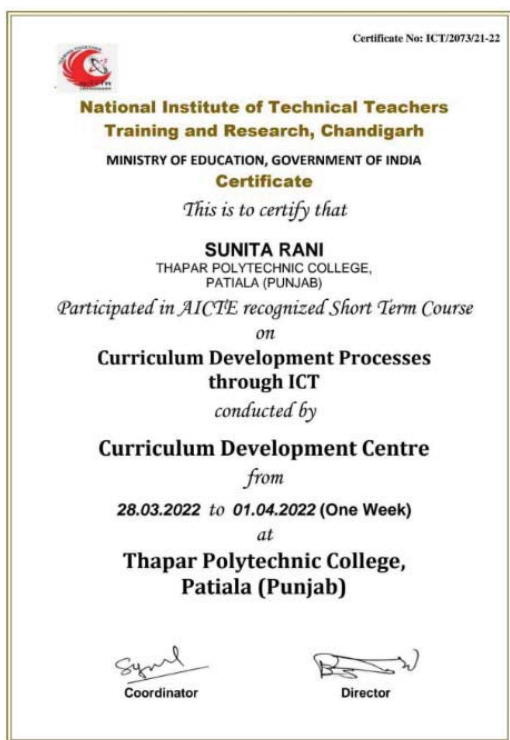
Ms Kanchan Yadav participated and successfully completed a FDP on "Inculcating Universal Human Values In Technical Education" organized by AICTE.

Ms Shubhashree Chakraborty attended a seminar on "From Literature to Communicative Competence: the paradigm shift", "Study Through Narratives, Myths And Legacies", "The Critical Difference/The Differential Criticism "



Ms Shavinder Kaur participated and successfully completed a 5-day FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE.

Ms Jyoti Ghai, Ms Shivani Sodhi, Ms. Geenu Raheja, Ms Sunita Rani, Ms Shivani Jindal and Ms Ghazal Chugh participated and successfully completed a 5-day STC "Curriculum Development Processes through ICT" organized by NITTTR and successfully completed a 5-day FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE.



Civil Engineering Department

The Civil Engineering department at Thapar Polytechnic College, Patiala, is a hub of remarkable faculty achievements. Their expertise and dedication shine through in the numerous research publications, noteworthy infrastructure projects, and industry collaborations. These accomplished educators not only elevate the department's reputation but also provide invaluable guidance to students, fostering a culture of excellence in the field of civil engineering.

Sh. Vijay Sharma and Ms. Palvinder Kaur participated in AICTE recognized short term course on curriculum development process through ICT at TPC, Patiala

Ms. Harjinder Kaur participated in AICTE recognized short term course on curriculum development process through ICT at TPC, Patiala and successfully completed the 5- day online FDP on the theme "Inculcating Universal Human Values in technical education organized by AICTE.

Electrical Engineering Department

The Electrical Engineering department at Thapar Polytechnic College, Patiala, takes pride in its accomplished faculty. Their outstanding contributions to the field, including pioneering research, patents, and industry collaborations, have solidified the department's reputation for excellence. These dedicated educators serve as a guiding light, shaping the future of electrical engineering and nurturing students to excel in the ever-evolving world of technology and innovation.

Dr. Anurag Joshi Head of Electrical Engineering department who is also acting as a Coordinator for MODROBS, AICTE project "Testing & Measuring of various Electrical Engg. and Applied Physics parameters" costing Rs. 14,74,000/ He also participated & successfully completed the 5- day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by AICTE year 2022.



Ms. Abha organized several Industrial visits and expert lectures on for final year electrical engineering students She also participated & successfully completed the 5- day online FDP on the theme "Inculcating Universal Human Values in technical education organized by AICTE.

Mr. Inderpreet Singh acting as a Co-Coordinator for MODROBS AICTE project "Testing & Measuring of various Electrical Engg. and Applied Physics parameters" costing Rs. 14,74,000/-.

Mr. Inderpreet Singh and Mrs. Kirti Gupta participated & successfully completed the 5- day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by AICTE year 2021.

Mechanical Engineering Department

The Mechanical Engineering department at Thapar Polytechnic College, Patiala, is defined by its remarkable faculty achievements. Their groundbreaking research, innovative projects, and industry collaborations have earned the department recognition and acclaim. These dedicated educators set a high standard, inspiring students to excel in the dynamic world of mechanical engineering and contributing to the institution's legacy of excellence.

Mr. Vaibhav Singhi participated in several FDPs organized by NITTTR. Some of them are "Motivation, Team Building and Creativity", "Communication Skills, Modes and Knowledge Dissemination"

Mr. Vickramjeet Singh participated in FDP on "Auto CAD" organized by NITTTR. He also participated in short term course on "Curriculum Development Processes through ICT"

Dr. Rajan Verma completed his Ph.D. in Mechanical Engineering in 2022 and published several research papers in renowned journals.

Dr. Rohit Rampal participated in FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE.

Mr. Harinderjit Singh participated in symposium on "IEEE Authorship and OA" organized by IEEE and an FDP on "Green Manufacturing" organized by NITTTR.

Dr. Arminster Singh Walia filed a patent with title "Implementation of mixed reality in banking sector for financial transaction" Patent numbered 202211002426 dated 15/01/2022 and published several research papers in renowned journals.

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

The Computer Science and Engineering department at Thapar Polytechnic College, Patiala, consistently achieves technical excellence. Their pioneering research, software innovations, and industry collaborations set the gold standard. With a superb faculty, they not only impart cutting-edge knowledge but also inspire students to excel in the ever-evolving world of computer science and engineering, establishing the department as a technical powerhouse within the institution.

Er. Shashi Bala acting as a Coordinator for Modernization and Removal of Obsolescence (MOD-ROBS) AICTE project "Advanced Computing and IoT Lab" costing Rs. 11,26,000/-.

Er. Aman Singla successfully completed a 5-day FDP on "INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION" organized by AICTE. She also attended online workshops for "Curriculum Development" organized by NITTTR.

Er. Kirandeep Kaur is acting Co-Coordinator of Modernization and Removal of Obsolescence (MOD-ROBS) AICTE project "Advanced Computing and IoT Lab" costing Rs. 11,26,000/-. She also Published a Book on "Web Development using PHP" in 2020 and participated in many FDPs, some are "Data Visualization using Tableau", "IoT and Cloud Training"

Er. Tarandeep Kaur attended an FDP on "Inculcating Universal Human Values in Technical Education" Organized by AICTE. She also participated in One Day Online Workshop On "How to Conduct the Student Induction Program"

Er. Harjeet Singh is granted with a patent in the year 2022 titled "System and Method Of Monitoring And Preventing The Spread Of Infections Virus". He also attended a workshop on Curriculum Development Process organized by NITTTR.

Er. Gagandeep Singh attended a short-term course on Curriculum Development Process through ICT conducted by Curriculum Development Centre, NITTTR. He also participated in workshop on Cyber Security organized by TIET in association with Pantech eLearning Pvt Ltd on 16.12.22.

Er. Ankur Thakur participated in many National Level Technical Quiz programs and attended several FDPs and workshops organized by NITTTR and AICTE.

Dr. Monika Gupta completed her PhD in 2023, published her work in renowned journals and attended two weeks FDP on "Ambient Technologies: State-of-Art, Challenges, and Future Directions" organized by the Department of Computer Science and Engineering & IT, Jaypee University of Information Technology, Waknaghat



TRAINING
&
PLACEMENT



Where Skills
Meet
Opportunities

TPC'S

Training and Placement Cell

2022

The placement cell at Thapar Polytechnic College, Patiala, holds the vital role of connecting students with promising career opportunities. Responsibilities include establishing partnerships with companies for recruitment, coordinating placement events, providing guidance on resume crafting and interview readiness, and staying current with industry trends to align students with suitable job openings. The cell maintains a comprehensive database of job prospects, offers career counseling, and adapts to the evolving employment landscape. In essence, the placement cell at Thapar Polytechnic College, Patiala, is committed to ensuring students' successful entry into the professional world, making it an integral part of the institution's support infrastructure.

Placements of 2022 Batch

Department of Computer Science and Engineering

S.No	Candidate Name	Name of the Company
1	Rudraksh Narang	Wipro company
2	Manjot Singh	Wipro company
3	Lokesh Kumar	National stock exchange, Bandra kurla complex, Mumbai
4	Abhinandan jain	L&T

Department of Mechanical Engineering

S.No	Candidate Name	Name of the Company
1	LOVISH KUMAR	Evapo Tech Pvt. Ltd., Patiala
2	GURPREET SINGH	Groz Beckert Asia Pvt. Ltd., Chandigarh
3	PRINCE VERMA	Mangal Machines, Patiala
4	Anuj Kumar	Mangal Machines, Patiala
5	GURBIR SINGH BOPARAI	Star Auto Industries, Patiala
6	Manjodh Singh	Star Auto Industries, Patiala
7	Vikas Kumar	Federal-Mogul Goetze India Limited, Patiala
8	Sachin	L&T
9	ANKIT GIR	L&T
10	JAPANPREET SINGH	Suzuki Motorcycle India Pvt. Ltd., Gurgaon
11	JASHANPREET SINGH	Suzuki Motorcycle India Pvt. Ltd., Gurgaon
12	JEEVAN SHARMA	Suzuki Motorcycle India Pvt. Ltd., Gurgaon
13	Gautam Singh	Suzuki Motorcycle India Pvt. Ltd., Gurgaon
14	TANVEER SINGH	Suzuki Motorcycle India Pvt. Ltd., Gurgaon
15	HIMANSHU	Suzuki Motorcycle India Pvt. Ltd., Gurgaon
16	SUNNY SHARMA	Suzuki Motorcycle India Pvt. Ltd., Gurgaon

Department of Architectural Assistantship

S.No	Candidate Name	Name of the Company
1	Vishal Batish	Mathura Builders, Patiala
2	Duke Rawal	Habiterra, Patiala
3	Vishal Sharma	Vastupursh Consultant, Dudan Shandan
4	Harmandeep Singh	Mathur Associates, Patiala

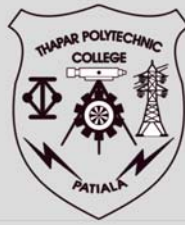
Department of Electrical Engineering

S.No	Candidate Name	Name of the Company
1	Lakhwinder Kumar	L&T
2	Harman kaur	ACC Limited



Department of Civil Engineering

S.No	Candidate Name	Name of the Company
1	Pranjaya Khanna	Tata Projects Limited, Noida
2	Tanuj Goyal	Tata Projects Limited, Noida
3	Gurinder Khurana	Tata Projects Limited, Noida
4	Ramanjeet Singh	Shree Cement Ltd., B.O. Patiala
5	Rishal Kumar	Shree Cement Ltd., B.O. Patiala
6	Krishan Kumar	Bawa Creation, opp. Park Plaza, Ludhiana
7	Kunal	Design NOD, Near Patiala Gate, Nabha
8	Surpinder Singh	ACC Limited
9	Shivam Sharma	ACC Limited



THAPAR POLYTECHNIC COLLEGE



***"PRESERVING MOMENTS, CELEBRATING MEMORIES
OUR COLLEGE'S TIME CAPSULE OF EXCELLENCE!"***

