

newsletter

Polyयांत्रिकी

June - Sept, 2021, Issue- VI , Volume - XII
www.iimtindia.net



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Photo Gallery



MANAGEMENT CORNER

Dr. M K Soni
Director General
IIMT Group of Colleges

I am delighted to know that IIMT College of Polytechnic is publishing its newsletter *June - Sept, 2021, Issue*.

The college is imparting high quality education in the field of Mechanical Engineering, Civil Engineering, and Electrical Engineering. College of Polytechnic is a prestigious institute of higher learning, producing meritorious students with excellent career growth and professional recognition.

IIMT has demonstrated its excellence in research, placement and innovation and industry exposure.

The diploma in Engineering is a dynamically changing and ever evolving area for more than 100 years. Electrical Engineering, Mechanical Engineering, and Civil Engineering are the foundation courses on which most of the fields work upon and grow. All high-speed networks and computers work on the hardware designed by a diploma Engineer.

The vision of the institute is to satisfy the need of the industry and research organizations by producing informative and committed engineers. This is achieved by imparting in depth theoretical knowledge during the lectures followed by hands-on in state-of-the-art laboratories. The institute is also offering value added courses on variety of domains which are required to improvise the professional qualities of the budding engineers. All these become true only by the qualified and experienced faculties of the institute.

I am confident that the staff members and students would satisfy the responsibility and credibility of the institute by showing a high level of professional competence in their respective domains.

At IIMT, we provide quality undergraduate and graduate education in both the theoretical and applied foundations of different streams, train students to effectively apply this education to solve real world problems. We aim to provide a competitive advantage in the ever-changing and challenging global work environment of the 21st century. We aim at building a strong research and teaching environment that responds swiftly to the challenges of the 21st century.

I offer my good wishes to the IIMT College of Polytechnic, for the efforts they have put in making this newsletter a true reflection of their year long activities.



Placement Summary Session : 2020-2021



Overall 92% students placed from IIMT College of Polytechnic those were actually registered for the placements during the academic session 2020-2021.

Mega JOB Fair 2021 (17th Sept)

A mega Job fair was organized by IIMT College of Polytechnic Placements Cell on 17th Sept, 2021 where around 700 students participated from DELHI-NCR and 113 students got the offer letter.

Mega JOB Fair 2021 (28th August)

A Job fair was organized by IIMT College of Polytechnic Placements Cell on 28th August, 2021 where around 109 students got selected.

Training programs for the Session : 2020-2021



Department of Training conducted approx 310 hrs of PDP and Pre-Placement training program during the session where Workshop on Resume Building, Group discussion, Telephonic Interview session and Interview Etiquettes were covered in the session.

Engineer's day celebration



Engineers Day was celebrated on 15th September 2021. The chief guest of the event was Dr. Karuna Bhalla, retired Director of Education and Chairman, Education Committee. She explored vision and importance of the education and Engineering. in life. Director Polytechnic Prof. Umesh Kumar, Director Engineering Dr. S.S. Tyagi and Dr. Vibha Singh shared their views towards engineering responsibility on this auspicious.

Covid-19 Vaccination in the Academic Institution



On 9th September 2021, The IIMT College of Polytechnic witnessed the crowd of around 270, which includes staff members, academicians of the IIMT Group of Colleges. The Covid Vaccination drive was organized in the premises of The IIMT College of Polytechnic.

The helmsman of this very drive was the Director of the College (Polytechnic) Mr. Umesh Kumar and Dr. Naresh Tyagi (Vaccination Coordinator) of the Gautam Budh Nagar District..

The IIMT College of Polytechnic is glad and thankful to the Dr. Dharaveer Singh, DIOS Gautam Budh Nagar, Coordinator, support staff and Miss Babita for their heartfelt and selfless service.

MoU Signed Up



The IIMT College of Polytechnic always keeps on striving to provide quality education with practical approach. Once more IIMT College of Polytechnic and Shivalik Exim Pvt Ltd. has signed the MOU for the corporate placement on 9th September 2021. The Shivalik Exim Pvt. Ltd. is one of the renowned establishment since last 40 years, engaged in polymer and steel building portfolio business focusing on large scale infrastructure development.

The prime motto of this signed agreement is to utilize the skills of our students and to give them placement and internship. The very thoughtful and noble step has been taken by the leaders of both the parties. This will provide benefits to both for their development and enhancement. Students will get practical first-hand experience and will understand technical know-how of the variety of the machines.

OUTREACH PROGRAM ON AWARENESS ABOUT COVID-19

Outreach Program was organized by Civil Engineering Department on 9th July, 2021. The program started at 04:00pm at IIMT College of Polytechnic and showed the importance of prevention of infection of Covid-19 with proper precaution. It was an appreciable effort by faculty members, Head of the Departments.



The program was initiated and guided by Director and Dean Academics of the Polytechnic colleges.

IIMT College of Polytechnic Best in IIC Lecture Series in UP and India



As per The Ministry of Education and Innovation Cell announcement IIMT College of Polytechnic has received best position in IIC Lecture Series in UP and India. This Announcement of Impact Lecture Series For IIC Institutions Funding Support For 2020 – 2021. The only polytechnic in UP for receiving the funding support for Organizing impact Lecture Session. Dr. Bhaskar Gupta, President of IIC Cell, IIMT College of Polytechnic and Prof. Umesh Kumar Said

that it is only possible by the group efforts and inviting the best speakers from the country wide and given thanks to all the council members of IIC - Cell of IIMT College of Polytechnic.

English Club Speech Competition



Topic : Speech Competition

Date: 24/06/2021 | Time : 10:00am to 11:00am

The main objective of the English Club is to give an exposure to express their feelings and become an excellent communicator.

Speech competition was organised on the following topics:

1. Increasing of Global warming and its prevention.
2. Importance of Technical Education in daily life.
3. Importance of Personality Development in career and life.
4. Impact of Positive attitude in the life.
5. Role of youth in the country development in engineering field.

Judges of the event were:

1. Dr. Bhaskar Gupta
2. Mr. Dharmendra Kumar

Winner of the competition:

1. Ujjwal gautam, ME, 2nd year, 1st Position
2. Shivam Pandey, ME, 2nd year, 2nd Position
3. Shivam Agrawal, EE, 2nd year, 3rd Position

IIC Lecture Series

There were around 40 sessions conducted in the IIC Lecture series session where best speakers were invited to conduct the session across the country.

Topic : Design Thinking

Date: 29/06/2021 | Time : 11:30pm to

The event was organised by Dr. C. B. Kumar, ED Cell Project head – Mr. Sunil Kumar and Event Coordinator – Mr. Dharmendra, where Patrons were Dr. Bhaskar Gupta, President of IIC and Prof. Umesh Kumar Director of IIMT College of Polytechnic.

Speaker of the events were Ms. Monisha Ghosh Director, MCPL, and Mr. Vimal Ojha, Director Soha Technologies Pvt. Ltd. where both the speakers delivered session on design thinking and its implementation into education, industry and day today life.

Topic : Awareness Program on IPR

Date: 30/06/2021 | Time : 2:30pm to 3:30pm



ED Cell IIMT College of Polytechnic

TOPIC: DESIGN THINKING

Date - 29-06-2021 | Time - 11:30 AM - 12:30PM



Speaker:
Mrs. Monisha Ghosh
Director - MCAPL



Speaker:
Mr. Vimal Ojha
Director & Founder
SOHA Technologies Pvt. Ltd



ED Cell Project Head
Mr. Sunil Kumar

Event Coordinator
Mr. Dharmendra Kr. Sharma

Organiser
Dr. C. B. Kumar

PATRONS

Dr. Bhaskar Gupta
President IIC
IIMT College of Polytechnic

Mr. Umesh Kumar
Director,
IIMT College of Polytechnic

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ED Cell IIMT College of Polytechnic

**TOPIC: AWARENESS PROGRAM
ON I P CREATION FOR**

THE START-UP & TECHNOLOGY TRANSFER.

Date - 30-06-2021 | Time - 03 PM - 04 PM



Speaker
Smruti Ranjan Sahoo
Director-Commerce World,
Edupreneur & Business Coach



ED Cell Project Head
Mr. Sunil Kumar

Event Coordinator
Mr. Dharmendra Kr. Sharma

PATRONS

Dr. Bhaskar Gupta
President IIC
IIMT College of Polytechnic

Mr. Umesh Kumar
Director,
IIMT College of Polytechnic

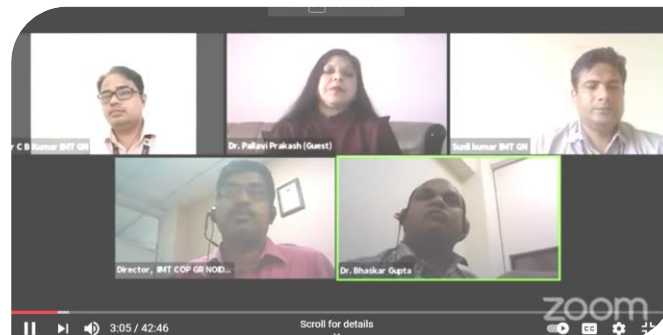
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ED Cell IIMT College of Polytechnic, Greater Noida organized a session on Design Thinking”

ED Cell IIMT College of Polytechnic, Greater Noida is going to organize a session on 'Awareness Program on IP Creation for Start-up & Technology Transfer'.

The event was organised by Dr. C. B. Kumar, ED Cell Project head – Mr. Sunil Kumar and Event Coordinator – Mr. Dharmendra, where Patrons were Dr. Bhaskar Gupta, President of IIC and Prof. Umesh Kumar Director of IIMT College of Polytechnic.

The speaker in this event was Mr. Smruti Ranjan Sahoo, who is an entrepreneur and director of his own organization. He has supported many new startups in formation and created financial structure flow of the company. He guided our students how to form a company on the different level stages. It was very fruitful session and many students got benefits from this program.



Topic : Transformational Leadership

Date: 22/07/2021 | Time : 2:00pm to 3:00pm



Event was started with warm welcome to the guest speaker by Dr. C. B. Kumar, Organizer of this event and explored the vision of the event by Dean Academics, Profile of the speaker was introduced by Mr. Sunil Kumar and at the last Vote of thanks by Director IIMT College of Polytechnic.

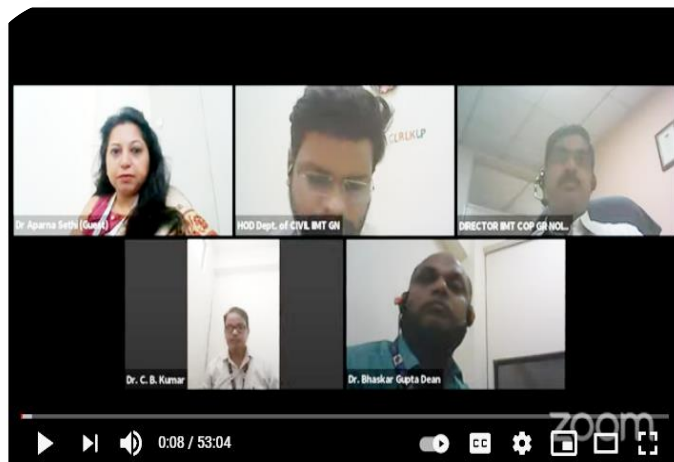
Dr. Pallavi, Speaker of this program shared her experience with life learning experience. She explored Leadership approach that causes change in individuals and social systems. She is an author, International Motivational Speaker, Clinical Psychologist, Filmmaker & TV Panelist.

Topic : E-Talk by a Successful Entrepreneur Date:

22/07/2021 | Time : 2:00pm to 3:00pm



Event was started with warm welcome to the guest speaker by Dr. C. B. Kumar, Organizer of this event and explored the vision of the event by Dean Academics.

**Second E-Talk by a Successful Entrepreneur**

305 views • Streamed live 55 minutes ago

Profile of the speaker was introduced by Mr. Sunil Kumar and at the last vote of thanks by Director IIMT College of Polytechnic.

She is Founder - Protouch of her organization, and has diverse experience in manufacturing, service and education sector for 20 years. Dr. Sethi's profile involved in corporate and coordinate student welfare activities. She delivered many guest sessions at various institutes and companies. She has good experience in the field of corporate management and emotional intelligence. Dr. Sethi, speaker of this program explored her experience with life learning experience. She explores how to be an entrepreneur and what can be different parameter to select a team member. She explored different marketing strategy to be a successful in business.

Faculty Corner❖ **Achievement of the Faculty****Book Chapter Publication**

- **The Book Chapter 05:** Principles of funding opportunities for Entrepreneurial Ventures in The Book was published by Taylor & Francis Group CRC, was written and published by the author Dr. Bhaskar Gupta, Dr. M. K. Soni and Prof. Umesh Kumar.

- **Book name - " E waste in India: Management , Challenges and Opportunities volume-1"**
Chapter name - E waste : Modern day Scenario and it's Management. **Author- 1. Prof. Umesh Kumar ,**
2. Vishnu Kumar Singh, ISBN 978-93-91314-55

❖ **FACULTY DEVELOPMENT PROGRAM**

Total 13 FDP was attended by the faculty members of IIMT College of polytechnic

❖ **ARTICLE****USE OF OVER BURN BRICK IN PLACE OF NATURAL AGGREGATE IN CONCRETE MIXER**

Vikash Kumar Gautam
Asst. Prof. Civil
Engineering Department



The study throughout this paper is run to visualize the practicality of exploitation crushed over burn bricks to alternate the coarse mixture (gravel) in concrete. A pair of varieties of concrete intermixture area unit prepared. The foremost one could also be a combination of 1:2:4 whereas not crushed over burn bricks and is functioning as a reference mixture .The other is made of the many weight of crushed over

burn bricks (as a proportion from the load of the coarse aggregate). An entire of thirty numbers of concrete specimens area unit casted with and whereas not crushed over burn bricks and tested below compression and split tension as per relevant to British commonplace specifications. Take a glance at results indicated that practice crushed bricks reduces the strength of concrete. Also, the proportion of water to cement relation can increase for constant slump once the proportion of crushed bricks increased.

The results specify that the crushed over burn brick area unit appropriate to alteration the granite mixture in concrete creating. Trial mixes of crushed over burn brick concrete were prepared by substitution the Granite combination with twenty fifth, 50%, seventy fifth and one hundred pc crushed over burn bricks by volume. M20 grade of every Granite combination and crushed over burn brick concretes were prepared and tested to match the compressive strength. A glance at results showed that it's achievable to produce crushed over burn brick concrete with characteristics like those of Granite combination concrete with twenty fifth replacements. Performances of light-weight foamed concrete that area unit product of partial substitution of waste over burn brick as coarse combination.

STUDENTS ARTICLE

❖ Article

Dheeraj Pandey
CE 3rd year

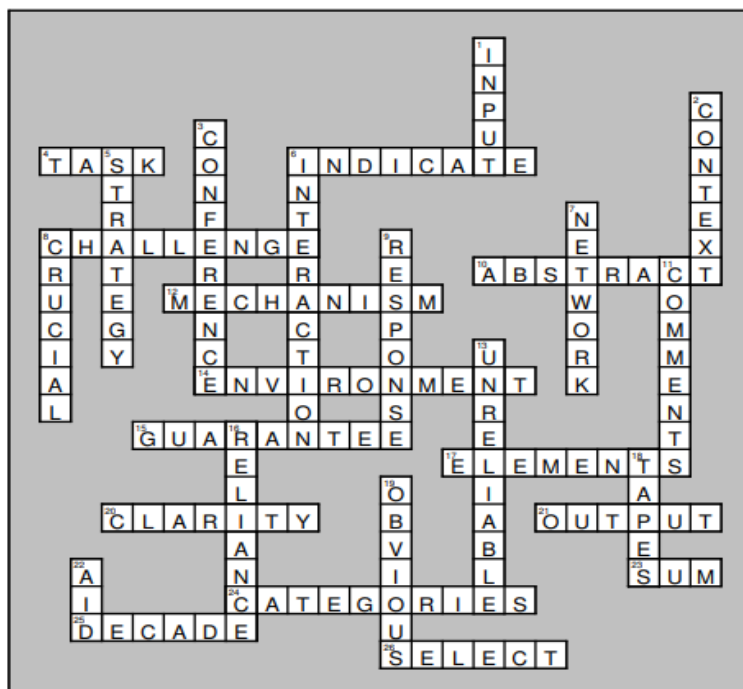


Air is composed of 78% nitrogen, 21% oxygen, 0.9% argon. The remaining elements include carbon dioxide, water vapors, hydrogen, and other trace elements. Although gases like carbon dioxide and methane may only exist in small absolute concentrations, their outsized heat-trapping potential as greenhouse gases makes them the major factor in accelerating climate change. Air pollution occurs when there is an alteration to the composition of air, either by volume, or in the chemical, physical, or biological properties. The atmosphere is a delicate balance of elements and particles. Any imbalance, even in small proportions can be detrimental to living organisms including animals and crops.

Air pollution is caused by a combination of gaseous and particulate pollutants such as carbon dioxide, methane, and nitrogen dioxide emitted from point sources such as factories and motor vehicles that burn fuel. Some gaseous emissions are visible to the eye and sometimes may even diffuse into the atmosphere and become invisible. Particulate pollution, on the other hand, such as soot and black carbon, is always visible.

Answer of the April- June 2021 ,Issue- V, Volume – XII

Collaborative Thinking Crossword



comments
environment
response
elements
categories
unreliable
sum
abstract
tapes
crucial
mechanism
strategy
challenge
input
task
reliance
conference
context
select
interaction
network
obvious
decade
guarantee
clarity
aid
indicate
output

Ref: <https://www.englishhints.com/support-files/creativity-crossword.pdf>

PUZZLE OF THIS ISSUE:

Help cute “Dino” find the right path to plant.

Instructions:

- 1) It can not jump.
- 2) It should not repeat the path.



Comments and Suggestions:

<https://forms.gle/E38Eqk8C33eCMu149>

Emergency Contacts:

Director : 73022 54554
Proctor: : 93132 87818



Editorial

Board Members

FROM THE

EDITOR'S
DESK

Dear Readers,

This thanks of note goes to all the contributors like Dean Academics ,HoD's - Electrical, Mechanical, Civil, Event Coordinators, Faculty and students those who have contributed their articles to make this Newsletter complete. At the last but not least thanking to Director Sir for his guidance and vision time to time.

PATRONS**PATRON**

Prof. Umesh Kumar
Director

**CO-PATRON**

Dr. Bhaskar Gupta
Dean Academics

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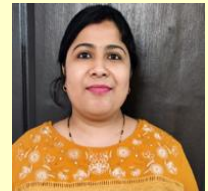
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