

Annual Magazine : 2021-22

ISSUE : XXI

# POORNIMA WINNERS

The Annual Magazine of Poornima College of Engineering, Jaipur



*Science  
Technology and  
Innovation*



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**Dr. S.M. Seth**

(Chairman (Emeritus) Poornima Group)  
(Former Director, NIH, Roorkee)

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(Assistant Professor)

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# Editor's Note

*"Develop success from failures.  
Discouragement and failure are two  
of the surest stepping stones to success."*

- Dale Carnegie



A college magazine is a mirror of college life. It reflects the literary, educational, and sports activities going on in the college. It projects the important events celebrated in the college during a certain month or year. It also contains news about the college. Poornima College of Engineering publishes its magazine 'WINNER' annually.

A layman can judge the standard of the education of a college just by going through the college magazine. It shows the activities of students in the field of their extracurricular enthusiasm as well as in their academic ventures. That is why every student looks forward to its publication and contributes to it. The magazine prepares students for their future. It gives them training in the concentration of thoughts and ideas and discipline. It can educate and prepare students for their different roles in society which they will certainly play in the near future. Students can benefit a lot from the friendly guidance of a college magazine.

The college magazine has an editorial board comprising senior students of the college. The young writers and poets get an excellent opportunity for displaying their talent. Poems and informative articles are written by students and are published in the magazine. This cultivates a fine literary taste among the students. Amateur photographers among college students are keen to publish their photographs. Their joy knew no bounds when their pictures were published in the college magazine. In this way, the college magazine helps boost new talent. The young budding authors and poets are encouraged a lot when their works are published in the magazine. It is a rare pleasure to see one's work in print in the college magazine.

The college magazine is a comprehensive magazine as it contains valuable articles from college professors and from former students, who want to convey their successful careers and their interesting experiences. Thus a college magazine plays an important role in the life of college students

A handwritten signature in black ink, appearing to read 'Kalpana Sharma'.

**Kalpana Sharma**  
(Editor-In-Chief)

## *We at Poornima believe in...*

### *Vision*

To create knowledge based society with scientific temper, team spirit and dignity of labour to face the global competitive challenges.

### *Mission*

To evolve and develop skill based systems for effective delivery of knowledge so as to equip young professionals with dedication & commitment to excellence in all spheres of life.

### *Quality Policy*

To provide Quality Education through faculty development, updating of facilities and continual improvement meeting university norms and keeping stake holders satisfied.



## Message

I am glad to learn that Poornima College of Engineering (PCE) is bringing out 2022 issue of its Annual Magazine 'WINNERS'. Franklin D. Roosevelt had stated "We cannot always build the future for our youth, but we can build our youth for the future." The PCE right since its inception in year 2000 has focused on ensuring the overall development of competence and capabilities of its students. Our Alumni are successfully contributing not only in India but many countries all over the world.

India is recognized as one of the youngest nation worldwide. In order to materialize the energy of over 67.6 crore youths, our policies and programs like Skill India, Make in India and Digital India initiatives and focus on Green Energy and Smart Cities are meant to ensure social, economic and environmental sustainability. We live in a dynamic world. Artificial Intelligence is changing everything. The world will forever change as a result of advances in AI. Modern India needs robust and innovative technology solutions, be it to improve the quality of life or to be on a par with global standards. This is a great challenge as well as opportunity for our young budding engineers to think ahead and gain competence. More and more the engineer of the future will be responsible for creating new ideas and solutions and seeing them through. Innovation has already been identified as one of the most important factors in the future prosperity of both nations and individuals.

Education is not just a transmission of knowledge and information to the learner but this transmission must influence the young minds to realize their own self. Dear students, "You are the nation-builders. You are the movers of technology. You are the agents of change." You as budding professionals, must be adequately prepared make use of numerous opportunities and also to face the many challenges as you go ahead in your career and life. You will have to be on a continuous learning mode to acquire new knowledge, new skills and new competence in this ever changing and competitive world of twenty first century. There are strong challenges to great efforts but, always remember, great effort bears the sweet fruit of success.

I am sure that the magazine make interesting matter, encompassing and reflecting the vibrant campus life and would prove to be a good platform to showcase achievements of faculty and students. I congratulate all contributors and wish excellent success to the coming issue of the magazine.

A handwritten signature in black ink, appearing to read 'S.M. Seth'.

**Dr. S.M. Seth**

Chairman (Emeritus) Poornima Group  
Former Director, NIH, Roorkee





## Message

“To succeed, we must first believe that we can.”

I am happy to know that Poornima College of Engineering will publish its annual magazine - WINNERS on the theme Science, Technology and Innovation. Poornima is a place where we celebrate success and strive to develop young people into adults who appreciate social responsibility, human values, and environmental stewardship.

I am sure that students will become extraordinary leaders in their respective fields and contribute positively to the advancement of our nation and humankind.

I applaud the efforts of faculty, staff, and students in successfully collating all information and putting it together in this magazine.

**Shashikant Singhi**  
Chairman, Poornima Group



## Message

I am elated to hear that Poornima College of Engineering is releasing the annual magazine Poornima Winners based on the theme Science, Technology and Innovation for session 2021-22.

A magazine helps to record the institution's academic, co-curricular and extra-curricular activities and allows the faculty, staff, and students to showcase their ability and explore their creative potential.

I applaud all contributors and wish this magazine continued success in future editions.

A handwritten signature in black ink, appearing to read 'Ar. Rahul Singhi'.

**Ar. Rahul Singhi**  
Director, Poornima Group



## Message

"Education is the most powerful weapon which you can use to change the world." Nelson Mandela.

Education is the manifestation of love and my most cherished possession. Education drives away ignorance and through illumination it emboldens a man to a righteous thought and action. It empowers a woman and enlarges the horizon of her mind. It energizes a society and enables a man to earn his living with respect and praise. In order to accomplish our vision and mission, we are prepared to take as much efforts as possible for the betterment of academic scenario in India. We believe that education is an effective medium of social transformation. We get encouragement, looking at bright and successful careers of our thousands of students, which subsequently benefit the society.

Poornima College of Engineering is endowed with progressive futuristic outlook aiming continual growth in the quality of all academic activities with a sense of commitment to fully meet the expectations of the students, parents and society at large. We accord prime importance to the behavioral discipline, moral integrity and cognitive developments of our students. Our systems and processes ensure overall development of students.

I wish the best of fortune, peace and prosperity to all those who contribute to the noble task of spreading education and its manifest qualities, aims and objectives.

A handwritten signature in black ink, appearing to be 'Dr. Mahesh M. Bundele'.

**Dr. Mahesh M. Bundele**  
Director, Principal  
Poornima College of Engineering





## Message

*“You must be the change you wish to see in the world”– Mahatma Gandhi*

Technical education is the backbone of every nation and is the stepping stone for a country to cut the niche of its kind in a developed nation. The tremendous recent changes in the current scenario present both challenges and opportunities in engineering education. Our Institution has set specific objectives and planned activities for achieving excellence in all spheres of technical domains. The facilities and resources offered by Institution will enhance the skill sets of the students, and they will eventually translate their ideas into products or services for the effective growth of our Nation.

It gives me immense pride that our students receive the best quality education in our Premises. This has become a reality by imparting very high standards of teaching & learning practices and research. A strong focus is laid on high-order skills, fostering positive relationships.

Excellence, in both academic and co-curricular aspects, is an integral value of education that we offer to our students. We teach social values and awareness through various academic, co-curricular and extracurricular activities. We strongly encourage students to participate in these activities and showcase their talents.

Poornima College of Engineering ensures that the students prove themselves to be not only well-qualified engineers but also very responsible and ideal citizens of our country. It is a real pleasure and a moment of pride for us to hear from our alumni who are now working with multi-national companies in a vast array of jobs and situations around the world. Some are also pursuing their higher studies at leading universities and colleges.

I wish you a very happy and academically highly rewarding student life in Poornima College of Engineering and hope that your good deeds will enhance the pride and prestige of our Institution.

A handwritten signature in black ink, appearing to read 'Pankaj Dhemla'.

**Pankaj Dhemla**

Vice Principal

Poornima College of Engineering

# Poornima College of Engineering, Jaipur

*A CEREBRAL PLATFORM IMPARTING TECHNICAL EDUCATION*



Poornima College of Engineering was established in 2000 with the aim of imparting pragmatic technical education. In its magnificent journey of 2 decades, PCE has set benchmarks and reached new pinnacles in Engineering Education with dedication, perseverance, and devotion. With a student strength of more than 2000 students studying in 10 specializations of engineering (CSE, AI & DS, CSE (AI), CSE (Cyber), CSE (R), ECE, EE, ME, Civil & IT ), more than 3.5 Lac square feet of built-up area, highly qualified faculties, state of the art infrastructure, good placements and industry-led curriculum, PCE is spearheading its outstanding voyage with the motto 'Success is not a destination, it's a journey.'

## Notable achievements of Poornima College of Engineering:

- Ranked 2nd in Rajasthan by the RTU in Quality Index Value - 2021-22
- Ranked 98th in All India Private Engineering Institute Rankings 2021 by Times Engineering Survey
- First and Only Institute in Rajasthan which has certified Center of Excellence by the Rajasthan Technical University in Artificial Intelligence and Data Sciences
- RTU TEQIP III funded activities worth more than 50 lakh Rupees in the last two years.
- AICTE funded MOBDRO, STTP, and Conferences worth more than 50 lakh Rupees during the last two years.
- DST and SERB sponsored student projects and faculty research projects.
- Organizing IEEE, ACM, Elsevier, and Springer International Conferences every year.
- More than 30 Patents have been published and 5 patents have been granted in the last two years.
- Highest placement numbers and the package amongst RTU affiliated colleges.
- More than 200 research papers have been published by students and faculty members in the last two years in national, and international journals and conferences which are UGC, SCOPUS, SCI and ESCI reputed.





- More than 150 Microsoft Courses are completed by the students and the faculty members of the PCE.
- Strong bonding with industries and the corporate sector through collaboration and tie-ups.
- Poornima Incubation and Innovation Centre (PIIC) was established in 2018 to promote the spirit of start-ups and now it is a 3.5 STAR Rating Innovation Center by the Ministry of Education (MoE) in 2021-21.
- Awarded as Advance Partner Institute by Infosys for successfully running campus connect program & outstation performance of students in Infosys placement drives.
- Students and Faculties enrolled in diverse courses under various online platforms. All the courses were offered by the world's top Universities and companies which include the name Google, IBM, Autodesk, AWS, University of Michigan, Duke University, University of Manchester, and the University of Washington, etc
- Industry collaboration certification programs under Celebal Technologies, Coding Ninjas, Business Intelligence, IoT and Red Hat Academy, Technovation, Rapidops Solutions Pvt Ltd.
- Collaboration with IIT Bombay, IIT Madras, and IIT Kharagpur to implement MHRD missions on the quality enhancement of engineering education.
- Pre-defined focus areas in the departments in line with Industry requirements.
- A day in a week is reserved to facilitate industry and institute interaction (i3- day)
- Mandatory Non-Syllabus Project every semester right from 1st-year

## RECOGNITIONS & COLLABORATIONS



Approved by  
AICTE



Approved By  
UGC, India



Affiliated to  
RTU, Kota



Department of Science &  
Technology, Govt. of India



NBA



Asian Institute of  
Technology



ISHRAE



ASHRAE



ISLE



IETE



ISTE



Institution of Engineers (India)



Society of Automotive  
Engineers



Institute of Electrical &  
Electronics Engineer



Confederation of  
Indian Industry



Young Indians



Indian Green Building Council



AIESEC



Global Reach



Microsoft

## ACCREDITATIONS AWARDS & RANKING



RANKED 2<sup>nd</sup>  
by RTU



ACCREDITED BY  
NBA



More than  
50 Lakh Grant



RATED GOLD BY  
AICTE & CII



CENTRAL OF EXCELLENCE  
IN AI & BIG DATA



AMONG ELITE GROUP  
TOP 100 IN INDIA





## INTAKE AT PCE

Poornima College of Engineering is committed to build a diverse and inclusive academic culture that fosters creativity, risk-taking, continuous improvement, leadership and entrepreneurial spirit. The notion of lifelong learning through effective delivery of high quality content by qualified pedagogy is induced by us. Students in PCE are exposed to the modern and up to date curriculum and contemporary development in various disciplines. College is flourishing in terms of quality and quantity making the budding engineers more advanced and learned through efficiency better in academics and non-academics. The intake at PCE is as follows:

### B. TECH I Year Session 2021-22

S.No.	Branch	Intake
1.	Artificial Intelligence & Data Science	60
2.	Computer Science & Engineering	180
3.	Computer Sci. & Engg. (Artificial Intelligence)	60
4.	Computer Sci. & Engg. (Cyber Security)	60
5.	संगणक विज्ञान एवं अभियान्त्रिकी	60
6.	Civil Engineering	60
7.	Electrical Engineering	30
8.	Elec. & Comm. Engineering	30
9.	Information Technology	60
10.	Mechanical Engineering	30

## UNIVERSITY RESULTS

Poornima College of Engineering is committed to provide a successful future and better placement opportunities for the students. Poornima College of Engineering has always proved to be the best institution in all aspects of academic and non-academic. It has been able to create niche for itself among the other reputed colleges of Jaipur. Poornima College of Engineering has distinguished itself from other institutions by adding laurels towards glory by imparting quality education and having the best RTU results consistently.

PCE has not only striven hard to be the medium for multi fold development of the mind, body and soul of students by imparting them quality education but has also nurtured their skills. The mission of PCE is to create and disseminate knowledge through creative research and enquiry, teaching and learning and to transfer our intellectual and artistic product to enhance society in meaningful and sustainable ways.

It gives immense pleasure and sense of gratification that the college continues to render and nurture opportunities for innovative academic experiences and enabled to cultivate a passion in students for learning by developing their creativity and insight. Maintaining its Legacy this year, PCE has provided its excellence which is evident from its University results as follows:



## Academic Stars Make Poornima Proud

### V SEM

Session: 2021-22

B. TECH. III Year



**MS SHIVANI MINA**  
(CIVIL) 93.91%



**MUSKAN VERMA**  
(CIVIL) 90.87%



**JAI PRAKASH**  
(CIVIL) 88.48%



**AVINASH KUMAR**  
(CIVIL) 85.87%



**RAHUL POONIA**  
(CIVIL) 85.87%



**RACHNA ACHRA**  
(CIVIL) 85.43%



**JANVI KUNDNANI**  
(CS) 96.52



**ANCHAL ASNANI**  
(CS) 95.65



**POORVI GOYAL**  
(CS) 95.43



**ANUSHKA SHARMA**  
(CS) 94.13%



**LAVESH GARG**  
(CS) 94.13%



**PINKI**  
(CS) 94.13%



**SIMRAN WADHWANI**  
(CS) 94.13%



**SAKSHI KUMARI**  
(CS) 93.91%



**VISHALI GUPTA**  
(EC) 93.48%



**SAMIKSHA AGARWAL**  
(EC) 95.87%



**AMISHA MATHUR**  
(EC) 94.78%



**JHALAK DASHORA**  
(EC) 91.52%



**KISHAN BARANWAL**  
(EC) 91.41%



**SANSKRITI**  
(EE) 90.65%



**ACHAL SINGHAL**  
(EE) 90.43%



**NIDHI SINGH BUNKER**  
(EE) 84.78%



**ABHISHEK DUBEY**  
(EE) 84.78%



**ANKIT MALI**  
(EE) 84.35%





## Academic Stars Make Poornima Proud



**SURENDER KUMAR**  
(EE) 83.48



**MAHENDRA BAIRWA**  
(EE) 83.15%



**VARTIKA JAIN**  
(IT) 94.78%



**DHRUV JAIN**  
(IT) 89.13%



**ADITI MAHESHWARI**  
(IT) 86.96%



**SOURABH BISHNOI**  
(IT) 85.87%



**HARSHITA LOHANI**  
(IT) 85.43%



**RONAK SHARMA**  
(IT) 85.65%



**RAVI SHARMA**  
(ME) 97.83%



**AMARJEET KUMAR**  
(ME) 91.30%



**SHIVAM BHAT**  
(ME) 88.04%



**RAJ SHEKHAR**  
(ME) 86.96%



**RACHIT JAIN**  
(ME) 85.87%

### VII SEM

Session: 2021-22

B. TECH. IV Year



**KSHITIJ FOFLIYA**  
(CIVIL) 91.67%



**MAHENDRA CHOUDHARY**  
(CIVIL) 91.00%



**MS RUCHI AGRAWAL**  
(CIVIL) 90.67%



**MS ASTHA CHATURVEDI**  
(CIVIL) 90.33%



**HIMANSHU RAJPUT**  
(CIVIL) 90.00%



**AAKASH DEEP SONI**  
(CS) 100.00%



**RUCHIKA AGARWAL**  
(CS) 100.00%



**SHUBHAM JEENGAR**  
(CS) 100.00%



**SUMODH C SABU**  
(CS) 100.00%



**SUYOG KUMAWAT**  
(CS) 100.00%



**MS SWEETY JAIN**  
(CS) 100.00%





## *Academic Stars Make Poornima Proud*



**TANVI MITTAL**  
(CS) 100.00%



**VEDIKA GUPTA**  
(CS) 100.00%



**ASTHA JHAWAR**  
(CS) 100.00%



**AMAN JAIN**  
(CS) 98.67%



**PRASHANT SHARMA**  
(CS) 98.67%



**RAHUL AGRAWAL**  
(CS) 98.67%



**CHANCHAL NEGI**  
(CS) 98.67%



**TARUN MITTAL**  
(CS) 98.33%



**NIHARIKA SAINI**  
(CS) 98.17%



**ASHISH KUMAR SHARMA**  
(CS) 98.00%



**SWAPNIL UPADHYAY**  
(CS) 98.00%



**TANUSHREE JAIN**  
(CS) 98.00%



**VISHWAS PATEL**  
(CS) 98.00%



**ADITI AGRAWAL**  
(EC) 98.00%



**MANISH KUMAR**  
(EC) 98.00%



**ROJ KANWAR**  
(EC) 96.00%



**AMAN JAIN**  
(EC) 95.00%



**VANSI GUPTA**  
(EC) 95.00%




**VANSHIKI AGARWAL**  
(EC) 95.00%



**HRITIK KUMAR**  
(EC) 94.00%



**SWAPNIL RAJ SONI**  
(EC) 94.00%



**AYUSH CHAPLOT**  
(EC) 93.00%



**ARJUN KUMAR**  
(EE) 97.00%



**MONIKA VERMA**  
(EE) 96.00%



## *Academic Stars Make Poornima Proud*



### **VIII SEM**

Session: 2021-22

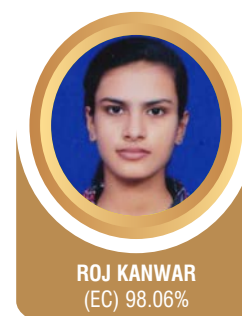
**B. TECH. IV Year**







## *Academic Stars Make Poornima Proud*







## *Academic Stars Make Poornima Proud*



**RIYA JAIN**  
(EC) 95.16%



**MONIKA VERMA**  
(EE) 100%



**SHIV SAGAR VERMA**  
(EE) 96.61%



**KUNDAN KUMAR**  
(EE) 96.29%



**PRATEEK SONI**  
(EE) 95.32%



**AJAY GUPTA**  
(EE) 95.16%



**RAHUL MISHRA**  
(IT) 100%



**TRIYANSHI GUPTA**  
(IT) 100%



**DEVENDRA SINGH**  
(IT) 97.74%



**PRAGYA GHIYA**  
(IT) 94.84%



**SHREYA JAIN**  
(IT) 94.52%



**HIMANSHU LOHAR**  
(IT) 93.23%



**NAGENDRA LAMORIA**  
(IT) 93.23%



**ASHISH SONWAL**  
(ME) 100%



**GAJENDRA SINGH**  
(ME) 98.06%



**ATUL SINGH**  
(ME) 97.10%



**PARAMJEET KUMAWAT**  
(ME) 100%



**ATHRAV JOSHI**  
(ME) 96.13%



**AKASH GUPTA**  
(ME) 96.13%



**PINTU SHARMA**  
(ME) 96.13%



**SHUBHAM YADAV**  
(ME) 96.13%



**MD YUSUF RAHMANI**  
(ME) 96.13%

## RECOGNITION OF STUDENTS' PERFORMANCE

Poornima is rich in rituals and traditions. One of its rituals is Kalanidhi- the annual prize distribution ceremony. Kalanidhi 2021 is celebrated to commemorate and give prizes to various class toppers, branch toppers, and subject toppers who excel in the field of academics as well as in non-academics in the month of October every year. The students are awarded with gold, silver and bronze medals respectively and certificates of appreciation and recognition are also given to them. Parents of the awardees are also invited for the ceremony as it is a precious and memorable moment for every student and a proud moment for their parents as well. The categories which fall under this prize distribution ceremony includes best student, best hosteller, best attendance, best project, best seminar etc. Students wait for this event eagerly with great enthusiasm to receive recognition and cash awards from the honorable college authorities. To sustain excellence in the academic programs is the pivot factor of Poornima Foundation. The moral of students is always kept at the peak to the recognition in the form of awards and honors bestowed to students. The students who were felicitated in the event Kalanidhi 2021 under different categories.







**GOLD MEDALIST WITH ₹ 5100/- CASH & CERTIFICATE  
TOPPER : SESSION 2019-20**

Year	Name of Student	Branch	Marks Obtained
IV Year	RAHUL MEENA	ME	(1784/2000)
III Year	DIVYA RASTOGI	CE	(2044/2325)
II Year	BRAJESH RANJAN SHARMA	CS	(19.45/20)
I Year	POORVI GOYAL	CS	(19.85/20)
I Year	LAVESH GARG	CS	(19.41/20)

**SILVER MEDAL WITH RS. 2100/- CASH  
& CERTIFICATE (SESSION 2019-20)**

Year	Name of Student	Branch	Marks Obtained
IV Year	SHASHANK SHUKLA	CV	(1757/2000)
IV Year	DISTI JAIN	CE	(1712/2000)
IV Year	SURAJ KUMAR	CE	(1734/2000)
IV Year	AADESH SHARMA	EC	(1663/2000)
IV Year	KUMARSAURAV	EC	(1663/2000)
IV Year	SHAILY AGARWAL	EC	(1650/2000)
IV Year	RAJNISH PUSHKARNA	EE	(1641/2000)
IV Year	JANVI PANWAR	EE	(1675/2000)
IV Year	SAURABH KESHRI	EE	(1759/2000)
IV Year	AKSHITA PARAKH	IT	(1648/2000)
IV Year	NAVNEET SHARMA	ME	(1655/2000)
IV Year	VIKAS KUMAR	ME	(1573/2000)
IV Year	VIKASH KUMAR YADAV	ME (PGI)	(1674/2000)
III Year	VIKRAM KUMAR KUMAWAT	CE	(1978/2325)
III Year	GOVIND SHARMA	CS	(2002/2325)
III Year	ISHITA SHARMA	CS	(2043/2325)
III Year	MAHIMA NATANI	CS	(2003/2325)
III Year	PRACHI MATHUR	EC	(1932/2325)
III Year	CHARUL CHASTA	EE	(1730/2325)
III Year	SAGAR SAHARIYA	EE	(1883/2325)

**SILVER MEDAL WITH RS. 2100/- CASH  
& CERTIFICATE (SESSION 2019-20)**

Year	Name of Student	Branch	Marks Obtained
III Year	LOVELY JAIN	IT	(1967/2325)
III Year	LEKHA TIWARI	ME	(1991/2325)
III Year	VEDENDRA NATH MISHRA	ME	(1976/2325)
II Year	ANIL GUPTA	CE	(19.35/20)
II Year	ASHISH KUMAR SHARMA	CS	(19.17/20)
II Year	RAGHAV SHARMA	CS	(18.64/20)
II Year	RUCHIKA AGARWAL	CS	(19.20/20)
II Year	SWAPNIL RAJ SONI	EC	(18.30/20)
II Year	CHITRANSH VIJAY	EE	(18.99/20)
II Year	PANKAJ VIJAY VARGIYA	EE	(17.75/20)
II Year	TRIYANSHI GUPTA	IT	(19.06/20)
II Year	MD YUSUF RAHMANI	ME	(18.36/20)
I Year	AANCHAL ASNANI	CS	(19.66/20)
I Year	MOHIT KUMAR KANDOI	CS	(19.37/20)
I Year	PINKI	CS	(19.41/20)
I Year	SIYA JAIN	CS	(19.35/20)
I Year	ESHIKA MITTAL	IT	(19.11/20)
I Year	JHALAK DASHORA	EC	(19.27/20)
I Year	HARSHVARDHAN SHRINGI	EE	(18.63/20)
I Year	MUSKAN VERMA	CE	(18.68/20)
I Year	RONAK SHARMA	ME	(18.71/20)

**BASANT KANWAR SETH MEMORIAL AWARD  
WITH RS. 3500/- CASH (SESSION 2019-20)**

Year	Name of Student	Branch	Marks Obtained
I Year	POORVI GOYAL	CS	(19.85/20)

**Shanti Devi Memorial Scholarship (E-Learning gadget)**

Year	Name of Student	Branch	Marks Obtained
I Year	AANCHAL ASNANI	CS	95.71%





## RTU CENTRE OF EXCELLENCE (AI & BIG DATA)

RTU Centre of Excellence for Artificial Intelligence and Big Data Science powered by Microsoft, Sponsored & Established by Celebal Technologies is a pivotal initiative of the Poornima Group towards positioning the institute as a premier destination for Artificial intelligence and Big Data.

Core objective is to Develop skills and nurture quality human capital, create talent pipeline to meet the ever growing requirements for AI and Big Data professionals and create multiplier impact on economy, industry and society.







## INITIATIVES AND BENCHMARKS AT PCE

### CENTRAL LIBRARY

The Central Library is the most resourceful information Centre in the field of Engineering Education. The library at PCE has the largest collection of books, scientific journals, monthly periodicals, institute memberships and other related materials in the field of Engineering.

As the role of the Library within any academic institution can be realized only in the context of the institution's philosophy of education, the basic objectives of the Library are as follows:

To develop appropriate collections in various disciplines of Engineering for satisfying the needs of the students, faculty members and researchers.

To provide reading, lending, reference, information and documentation facilities to all categories of staff and students.

To develop a special collection of scientific journals, periodicals and magazines in the library.

To provide documentation and comprehensive reference/information services in areas related to engineering education in the world and in India in particular.

The library of PCE is a vast reservoir of knowledge contained in the astonishing number of books which is well organized as well as bar-coded for the comfort of the librarian, students and faculty members. The Sharp software package is used in the library of PCE for supporting all the in-house operations of PCE. It is well connected with the other AICTE approved Institutions, located all over India, through DELNET for resource sharing. E-publications (books, journals etc. can also be accessed through DELNET) by all users of PGC library. The smart Campus consists of modules on acquisition, cataloguing, circulation, serials, article indexing and OPAC. 14 CCTV cameras are installed for security purpose.

The Central Library is housed in an independent, two-storied building with an area of 1350 sqm.

### OPAC Search

Online public Access Catalogue (OPAC) is helpful in locating a book in the library. One can search book by author, title, subject wise through OPAC. Library books are classified by using a standard library classification scheme named Dewey Decimal Classification (DDC) scheme and all books are arranged subject wise in the rack. Journals\magazines are displayed in alphabetical order in reference section.



### VARIOUS SERVICES OFFERED BY LIBRARY:

- Borrowing facility
- OPAC Search
- Interlibrary loan
- E-library
- Employment news
- Project reports
- Display of new arrivals
- National/Internationals Journals/Magazines
- Newspaper clipping service
- RTU papers/ Mid-term papers
- Research papers
- Reading room facility
- DELNET facility
- Online journals service
- Reference service
- E-publications
- CD's /DVD's
- New arrivals



### STATISTICS LIBRARY

S. No.	Library Statistics	Total
1.	Total No. of Titles	6,704
2.	Total No. of Volume	46,121
3.	Total No. of Periodicals	110
a.	Total No. of International Journals	30
b.	Total No. of National Journals	35
c.	Total No. of Magazines	45
4.	Total No. of Other Collections	2,081
a.	Books	1,426
b.	CDs/ DVDs	655
5.	Project Reports (Lab Records)	2,333
6.	Reprints (Research Papers Received from DELNET)	397
7.	News Papers (Hindi 7 + English 6)	13
8.	Bound Journals	749

### RESEARCH AND DEVELOPMENT LAB

The purpose of Research and Development lab is to provide facilities with ample of equipment and upgraded technologies. It is the part of academics which is generally used: -

- To enhance the students and faculty members with latest advancements in technological areas to furnish the engineering education with various research orientation which helps in achieving the technical needs of the industry
- To furnish the students in the field of research and development activities
- To do engineering consultancy with latest research and innovative ideas

### INDUSTRY ACADEMIA INTERFACE

As our commitment towards the industry, PCE strives to set a very high standard for all stake holders. The globally relevant best practices are being adopted to create a continuous stream of future student leaders, continuously improving upon the past. By learning and understanding the industry needs and requirements, we have developed a deep insight which helps and guides us to make our students industry ready. It is considered as one of the skilful methods of teaching which is a part of college curriculum as well. College also organizes different industrial visits, seminars and workshops etc in order to see their students at the Pinnacle of success. This gives a student an opportunity to know about the working environment of a company and to know the useful information related to practical aspects which cannot be visualized by lectures.

### International Student and Study Abroad Centre SD GOALS Internship

AIESEC Jaipur is currently promoting the project World view to target major issues and problems of Indian society, especially according to the students of everyday life. The United Nations has set out global goals from 2015 to 2030 to create awareness to major problems in this world. Major issues are for example Quality Education, Gender Equality and Health and Well Being. India is on the edge to rise into the next level of Wealth and Economic Power as a developing Country, especially in Asia.

“Sharing with the leaders of tomorrow the dreams and Goals they want to achieve, would lead the progress in the future for peace and harmony.”

Poornima College of Engineering with AIESEC Interns wants to raise awareness among the major issues. Another part of this internship is also to improve English speaking skills of the students by participating in group activities as well as interactive sessions and discussions.







## SELF HELP GROUPS

The self-help group formation was started with the objective of improving the learning and teaching strategies through education, practice, feedback, and coaching including analysis, modelling, demonstration and discussion etc. Self-help groups give members an opportunity to discuss their experiences and share their thoughts, their feelings and recovery. The basic aim behind this program is to create a friendly atmosphere and environment to learn and become academically strong. Many of the benefits of self-help group is to come in the form of hope, support, education and to provide helping hands to all.



## TUTOR SYSTEM

The tutor system of PCE creates learning and assessment opportunities. The tutor system has also been an excellent preventive tool capable of positively changing driving behaviours in terms of academics and non-academics. It is a system in which tutor performs the combined role of a friend, philosopher and guide for the student under his or her tutorship. The responsibility of the role includes both admonishing as well as caressing.



## MENTORSHIP

A mentor is responsible for conduction of discipline and maintenance of happy environment in hostels. Mentorship is an intensive concept of hostels at Poornima to answer to all needs of fresher in which new comers are paired with seniors who guide and advise them through their personal experience. The Junior are free to share their experience with their mentors. The area of activities under mentorship program encircles around academics, sports, cultural and overall development of personalities. Mentorship got initiated in the year 2002 and every year the session marks its end with the conduction of annual mentorship summit.

## OPEN BOOK TEST

Open book test was launched by Poornima College of Engineering, Jaipur in the year 2009 with a vision to manifest the innate potential of students. It aims promoting and fulfilling the technical and nontechnical needs of students. Open book test emphasizes on renovating the true meaning of the word education for both teachers and students. It has a tremendous impact on promoting the right mental sets in both learning and teaching.

## TRANSPORT FACILITY

Transportation system of Poornima College of Engineering Jaipur has its own features dealing with all conveniences in terms of to and fro. Transportation has the facility to pick and drop faculty and staff members to every corner of Jaipur. The transport facility always remains available for industrial training and for other various conduction and emergency. There are well coordinated and regular services throughout the year there is a separate bus for staff and students.







## TRAINING AND PLACEMENT CELL

Training and Placement at PCE is committed to provide successful future and better placement opportunities for the students. It centrally handles all aspects of campus placement for the graduating students of all departments. It feeds us with technical confidence which may remain aloof from the crowd. It arranges training for students in industries. The students of all engineering departments undergo rigorous training to enhance their internal professional skills. The Training and Placement Cell of Poornima College of Engineering, Jaipur has arranged the visits of various National and international companies for the placement of its students. Training leads to helping hand for answering technical questions of the interviews. We get an opportunity to interact and share ideas with different people. Information of practical importance is exchanged here.

The placement team coordinates the activities of the college and also liaison between the company, industry and organization. Placement cell assists in arranging pre-placement talks, written tests, group discussions, interviews, etc. as per requirement of the organization.

The alumni of this institution are placed in reputed companies and are leaving their mark everywhere; over and above rigorous academic schedule great emphasis is given on the all-round development of the students.

At PCE the students meet the requirement practically in every field of interest of the corporate. The list of placements in various companies is mentioned below:

Name of Student	Branch	Company
ANKIT	CS	INFOSYS-INFYTQ (3.6 LPA)
DEEPAK KUMAR	CS	INFOSYS-INFYTQ (3.6 LPA)
MOHIT SINGHAL	CS	INFOSYS-INFYTQ (3.6 LPA)
ASHISH KUMAR SHARMA	CS	CELEBAL (5 LPA)
ATISHAY JAIN	CS	CELEBAL (5 LPA)
BHARAT CHHIPA	CS	CELEBAL (5 LPA)
ISHITA AGARWAL	CS	CELEBAL (5 LPA)
MUSKAN	CS	CELEBAL (5 LPA)
NAMAN JAIN.	CS	CELEBAL (5 LPA)
PRAJWAL JAIN	CS	CELEBAL (5 LPA)
PRIYANSH OJHA	CS	CELEBAL (5 LPA)
RAGHAV SHARMA	CS	CELEBAL (5 LPA)
RHYTHM PARASHAR	CS	CELEBAL (5 LPA)
SHRISHTI KAPOOR	CS	CELEBAL (5 LPA)
ROJ KANWAR	ECE	CELEBAL (5 LPA)
VANSHIKI AGARWAL	ECE	CELEBAL (5 LPA)
NAGENDRA LAMORIA	IT	CELEBAL (5 LPA)
ABHISHEK KUMAR SINGH	CS	AURIGA IT CONSULTING (6 LPA)
ANUPAM AGARWAL	CS	AURIGA IT CONSULTING (6 LPA)
BULBUL RATHORE	CS	AURIGA IT CONSULTING (6 LPA)
LAKSHYA GURBANI	CS	AURIGA IT CONSULTING (6 LPA)
RAHUL SHARMA	CS	AURIGA IT CONSULTING (6 LPA)
RAHUL SHARMA	CS	AURIGA IT CONSULTING (6 LPA)



Name of Student	Branch	Company
SUMODH C SABU	CS	AURIGA IT CONSULTING (6 LPA)
SURAJ PALOD	CS	AURIGA IT CONSULTING (6 LPA)
TUSHAR AGRAWAL	CS	AURIGA IT CONSULTING (6 LPA)
VISHWAS PATEL	CS	AURIGA IT CONSULTING (6 LPA)
RUCHIKA AGARWAL	CS	CELEBAL (5 LPA)
SAKET SHARMA	CS	CELEBAL (5 LPA)
SHREE ANSH SRIVASTAVA	CS	CELEBAL (5 LPA)
SHREYA JAIN	IT	CELEBAL (5 LPA)
TRIYANSHI GUPTA	IT	CELEBAL (5 LPA)
AABHAR BHATT	CS	INTIMETEC (5.5 LPA)
AAKASH DEEP SONI	CS	INTIMETEC (5.5 LPA)
ABHINAV GOYAL	CS	INTIMETEC (5.5 LPA)
ANKIT KUMAR	CS	INTIMETEC (5.5 LPA)
ROHIT GARG	CS	INTIMETEC (5.5 LPA)
TARUN MITTAL	CS	UNTHINKABLE SOFTWARE (5 LPA)
KHWAHISH CHUGH	CS	UNTHINKABLE SOFTWARE (5 LPA)
KARTIK LOHAR	CS	CELEBAL (5 LPA)
CHANDRESH SINGH	CS	AXESTRACK (5 LPA)
SOMAN MITRA	IT	AXESTRACK (4.5 LPA)
PRASHANT SHARMA	CS	INFOSYS-HACKWITHINFY (6.25 LPA)
KASHISH SINGH	CS	INFOSYS-HACKWITHINFY (6.25 LPA)
ROHIT KUMAR SINGH	CS	INFOSYS-HACKWITHINFY (6.25 LPA)
VEDIKA GUPTA	CS	CLOUD MENTOR (6 LPA TO 8 LPA)
CHANCHAL NEGI	CS	BIZ4GROUP (6 LPA)
KESHAV VIJAY VERGIYA	CS	BIZ4GROUP (6 LPA)
MUSKAN KHURANA	CS	BIZ4GROUP (6 LPA)
SUYOG KUMAWAT	CS	BIZ4GROUP (6 LPA)
AAYUSHI BOHRA	ECE	BIZ4GROUP (5 LPA)
ADITI AGRAWAL	ECE	BIZ4GROUP (5 LPA)
MANAAL MISHRA	ECE	BIZ4GROUP (6 LPA)
ANKESH AGRAWAL	IT	BIZ4GROUP (6 LPA)
PRIYANSH JHALANI	IT	BIZ4GROUP (6 LPA)
AMIT TOMAR	CS	BIZ4GROUP (4 LPA TO 5 LPA)
ARTI	CS	INTIMETEC (PHASE-II) (5.5 LPA)
AYUSH GUPTA	CS	INTIMETEC (PHASE-II) (5.5 LPA)
DEEPANSHU JAIN	CS	INTIMETEC (PHASE-II) (5.5 LPA)
DHRUV GUPTA	CS	INTIMETEC (PHASE-II) (5.5 LPA)



Name of Student	Branch	Company
GOURAV MAJEE	CS	INTIMETEC (PHASE-II) (5.5 LPA)
HARDIK KHANCHANDANI	CS	INTIMETEC (PHASE-II) (5.5 LPA)
HARSHITA SHARMA	CS	INTIMETEC (PHASE-II) (5.5 LPA)
KRRISH JOSHI	CS	INTIMETEC (PHASE-II) (5.5 LPA)
NITESH VYAS	CS	INTIMETEC (PHASE-II) (5.5 LPA)
NUPUR KHATRI	CS	INTIMETEC (PHASE-II) (5.5 LPA)
RISHABH JAIN	CS	INTIMETEC (PHASE-II) (5.5 LPA)
SACHIN AGARWAL	CS	INTIMETEC (PHASE-II) (5.5 LPA)
TANUSHREE JAIN	CS	INTIMETEC (PHASE-II) (5.5 LPA)
VISHNU SONI	CS	INTIMETEC (PHASE-II) (5.5 LPA)
YASH JAIN	CS	INTIMETEC (PHASE-II) (5.5 LPA)
AMAN JAIN	ECE	INTIMETEC (PHASE-II) (5.5 LPA)
ATUL KUMAR SINGH	ECE	INTIMETEC (PHASE-II) (5.5 LPA)
ANSHU AGARWAL	EE	INTIMETEC (PHASE-II) (5.5 LPA)
KARAN DEY	IT	INTIMETEC (PHASE-II) (5.5 LPA)
PRAGYA GHIYA	IT	INTIMETEC (PHASE-II) (5.5 LPA)
HARSHDEEP SINGH	CS	COGNIZANT (GENC NEXT) (7 LPA)
RAGHAV OJHA	CS	COGNIZANT (GENC NEXT) (7 LPA)
VANSH GUPTA	ECE	COGNIZANT (GENC NEXT) (7 LPA)
MUDIT SRIVASTAVA	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
RAHUL AGRAWAL	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
ANSHUL MAHESHWARI	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
SUDHANSHU GUPTA	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
YASH KHANDELWAL	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
AYUSH CHAPLOT	ECE	COGNIZANT (GENC ELEVATE) (5 LPA)
TANVI MITTAL	CS	INTIMETEC (PHASE-II) (5.5 LPA)
NAMARTA GOCHER	CS	METACUBE (6.2 LPA)
DHRUV SHARMA	CS	METACUBE (5.2 LPA)
RIKTI JAIN	CS	METACUBE (5.2 LPA)
TANYA AGARWAL	CS	INFOOBJECTS (3 LPA TO 4.2 LPA)
YASHWANT YADAV	CS	INFOOBJECTS (3 LPA TO 4.2 LPA)
AARTI SUTHAR	CS	ROBOMQ PVT. LTD (7 LPA)
RITIKA AGARWAL	CS	INFOOBJECTS (3 LPA TO 4.2 LPA)
SWAPNIL UPADHYAY	CS	INFOOBJECTS (3 LPA TO 4.2 LPA)
NISHTHA GORANA	CS	INFOSYS CAMPUS (6.25 LPA)
AKASH YADAV	CS	ATCS (5 LPA)
ANJALI MOHTA	CS	ATCS (5 LPA)





Name of Student	Branch	Company
ANUJ DHAKA	CS	ATCS (5 LPA)
ARSHIT PALIWAL	CS	ATCS (5 LPA)
HIMANSHU SHARMA	CS	ATCS (5 LPA)
NIHARIKA SAINI	CS	ATCS (5 LPA)
PAWAN SINGH GURJAR	CS	ATCS (5 LPA)
ASTHA JHAWAR	CS	ATCS (5 LPA)
RAJKUMAR MISHRA	CS	ATCS (5 LPA)
SWEETY JAIN	CS	ATCS (5 LPA)
YAKSHESH GUPTA	CS	ATCS (5 LPA)
ANUPAM MATHUR	CS	CAPGEMINI (4 LPA)
BHAVESH KUMAR AGRAWAL	CS	CAPGEMINI (4 LPA)
GOVIND SINGHAL	CS	CAPGEMINI (4 LPA)
KALYANI VERMA	CS	CAPGEMINI (4 LPA)
KRITTIKA DIWAKAR	CS	CAPGEMINI (4 LPA)
RASHI PAREEK	CS	CAPGEMINI (4 LPA)
NEERAJ KHANDELWAL	ECE	CAPGEMINI (4 LPA)
RAHUL RATHI	ECE	CAPGEMINI (4 LPA)
DEVENDRA SINGH SHEKHAWAT	IT	CAPGEMINI (4 LPA)
MANAS JAIN	IT	CAPGEMINI (4 LPA)
KSHITIJ DIXIT	IT	FUSIONSTAK (4 LPA TO 4.5 LPA)
ANJALI SHRIVASTAVA	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
MO.NIZAM ALI	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
SUSHANT MALHOTRA	ECE	COGNIZANT (GENC ELEVATE) (5 LPA)
ANIL SAINI	CS	COGNIZANT (GENC) (4 LPA)
PUNEET KUMAR LODHA	CS	COGNIZANT (GENC) (4 LPA)
JINESH KHANDELWAL	ECE	COGNIZANT (GENC) (4 LPA)
ARYAVARDHAN PARADIA	EE	COGNIZANT (GENC) (4 LPA)
CHITRANSH VIJAY	EE	COGNIZANT (GENC) (4 LPA)
DEEPIKA YADAV	EE	COGNIZANT (GENC) (4 LPA)
ARJUN DEY	IT	COGNIZANT (GENC) (4 LPA)
ABHISHEK CHAUHAN	ME	COGNIZANT (GENC) (4 LPA)
ATHRAV JOSHI	ME	COGNIZANT (GENC) (4 LPA)
NIHARIKA GUPTA	CS	KEYKLOUD (6 LPA)
RAHUL YADAV	CS	KEYKLOUD (5.5 LPA)
AMIR FAROOQ	EE	INFOSYS CAMPUS (3.6 LPA)
BATSAL KUMAR	CS	CELEBAL (5 LPA)
SALONI JAIN	ECE	CELEBAL (5 LPA)



Name of Student	Branch	Company
STUTI GITE	ECE	CELEBAL (5 LPA)
RAHUL MISHRA	IT	CELEBAL (5 LPA)
DIVYANSHU GUPTA	CS	SYNORIQ (PHASE-II) (4.5 LPA)
AYUSH PALDECHA	CS	CELEBAL (5 LPA)
VAIBHAV AGRAWAL	CS	AADHAR HOUSING FINANCE (PHASE-II) (7 LPA)
BHAVIKA CHAUHAN	CS	CELEBAL (5 LPA)
TANISHA AGARWAL	CS	OPTUM (10 LPA)
LAKSHYA RUSTAGI	ECE	EVOSYS (3.6 LPA)
KINSHUK AGRAWAL	IT	EVOSYS (3.6 LPA)
SANDEEP JANGID	IT	EVOSYS (3.6 LPA)
YOGITA TAK	CS	OPTUM (10 LPA)
BRAJESH RANJAN SHARMA	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
RANKIT KUMAR	CS	COGNIZANT (GENC ELEVATE) (5 LPA)
ABHISHEK GUPTA	ECE	COGNIZANT (GENC ELEVATE) (5 LPA)
HRITIK KUMAR	ECE	COGNIZANT (GENC ELEVATE) (5 LPA)
ABHISHEK CHOUDHARY	IT	COGNIZANT (GENC ELEVATE) (5 LPA)
ANURAG SHARMA	IT	COGNIZANT (GENC ELEVATE) (5 LPA)
ANIL GUPTA	CIVIL	COGNIZANT (GENC) (4 LPA)
NANDINI SINGHAL	CS	COGNIZANT (GENC) (4 LPA)
AVANTIKA SONI	ECE	COGNIZANT (GENC) (4 LPA)
MONIKA VERMA	EE	COGNIZANT (GENC) (4 LPA)
PRABHAKAR THAKUR	ME	COGNIZANT (GENC) (4 LPA)
ANKUR JOSHI	CS	CELEBAL (5 LPA)
ANMOL RATHORE	CS	CELEBAL (5 LPA)
ISHIKA SOLANKI	CS	CIRCULANTS (3 LPA TO 5 LPA)
NEERAJ JAIN	CS	VVDN TECHNOLOGIES (4 LPA)
AKASH SUMAN	ECE	VVDN TECHNOLOGIES (4 LPA)
ANKITA PRAJAPAT	ECE	VVDN TECHNOLOGIES (4 LPA)
SWAPNIL RAJ SONI	ECE	VVDN TECHNOLOGIES (4 LPA)
PRANJAL MALAV	EE	VVDN TECHNOLOGIES (4 LPA)
JITENDRA SINGH SHEKHAWAT	CS	APPCINO (4.5 LPA)
SAQUIB MANSURI	CS	CIRCULANTS (3 LPA TO 5 LPA)
PRIYANSHI JAIN	IT	CIRCULANTS (3 LPA TO 5 LPA)
AMAN VERMA	CS	FORCEBOLT (3.5 LPA)
DEEPANSHI KHADOLIA	CS	FORCEBOLT (4.2 LPA)
SWARN LAXMI	CS	FORCEBOLT (3.5 LPA)
PULKIT TYAGI	CS	FORCEBOLT (3.5 LPA)



Name of Student	Branch	Company
YASH SHARMA	CS	FORCEBOLT (3.5 LPA)
SHUBHAM SHARMA	CS	DOTSQUARE (3.6 LPA)
TANU JAIN	CS	DOTSQUARE (3.6 LPA)
MOHIT SONI	ECE	DOTSQUARE (3.6 LPA)
MANISH KUMAR SHARMA	ECE	HELIOS (3 LPA)
PRATEEK JAIN	EE	RAPIDOPS (3.5 LPA)
GAURAV KHANDELWAL	CS	KLOUDRAC (4 LPA)
HARSH AGARWAL	CS	KLOUDRAC (4 LPA)
PRATIK PRABIR	ECE	THRILLOPHILIA (3.6 LPA)
ABHINANDAN AGRAWAL	ME	THRILLOPHILIA (3.2 LPA)
KHUSHALL SAHU	ME	THRILLOPHILIA (3.2 LPA)
AKSHIT TRIVEDI	CS	DR. B. LAL CLINICAL (3 LPA TO 5 LPA)
AMAN JAIN	CS	ADGLOBAL360 (5 LPA)
MAHIMA PATHANIA	CS	ADGLOBAL360 (5 LPA)
ARVIND SINGH RATHORE	CIVIL	WIPRO (3.5 LPA)
SHUBHAM NAIR	CIVIL	WIPRO (3.5 LPA)
ARYAN BOHRA	CS	WIPRO (3.5 LPA)
BHAVESH JAIN	EE	WIPRO (3.5 LPA)
ASHISH JANGID	ME	WIPRO (3.5 LPA)
ASHISH SONWAL	ME	WIPRO (3.5 LPA)
BHARAT SHARMA	CS	WIPRO (3.5 LPA)
ARYAN JHA	CS	TCS (3.96 LPA)
MANISH KUMAR	ECE	TCS (3.96 LPA)
VIKAS SHARMA	CS	NIRVANA SOLUTIONS (4.5 LPA)
SARTHAK KHANDELWAL	IT	THRILLOPHILIA (4 LPA)
BHANU PRAKASH SHARMA	CS	ILLUMINE LABS (3.5 LPA TO 4.5 LPA)
AMAN KUMAWAT	EE	SRCT GLOBEX (3 LPA)
AMARJEET KUMAR	EE	SRCT GLOBEX (3 LPA)
CHOTHMAL YADAV	EE	SRCT GLOBEX (3 LPA)
PANKAJ VIJAY VARGIYA	EE	SRCT GLOBEX (3 LPA)
RAVINDRA KUMAR MINA	EE	SRCT GLOBEX (3 LPA)
SHIV SAGAR VERMA	EE	SRCT GLOBEX (3 LPA)
AAKASH SHUKLA	ME	SRCT GLOBEX (3 LPA)
AGAM GAUTAM	ME	SRCT GLOBEX (3 LPA)
ASHISH SHARMA	ME	SRCT GLOBEX (3 LPA)
BHUPENDRA KHANDELWAL	ME	SRCT GLOBEX (3 LPA)
GAJENDRA SINGH	ME	SRCT GLOBEX (3 LPA)





Name of Student	Branch	Company
JOBIN DAVID	ME	SRCT GLOBEX (3 LPA)
KARAN SINGH PANWAR	ME	SRCT GLOBEX (3 LPA)
NIDHISH PAREEK	ME	SRCT GLOBEX (3 LPA)
PINTU SHARMA	ME	SRCT GLOBEX (3 LPA)
PIYUSH SHARMA	ME	SRCT GLOBEX (3 LPA)
RAKESH KUMAR	ME	SRCT GLOBEX (3 LPA)
ROHIT PRADHAN	ME	SRCT GLOBEX (3 LPA)
SANDEEP SAINI	ME	SRCT GLOBEX (3 LPA)
SARTHAK RAO JAGDALEY	ME	SRCT GLOBEX (3 LPA)
SHASHANK SHARMA	ME	SRCT GLOBEX (3 LPA)
SHUBHAM YADAV	ME	SRCT GLOBEX (3 LPA)
TUSHAR RANJAN SHARMA	ME	SRCT GLOBEX (3 LPA)
SAHIL GUPTA	CS	AAVAS FINANCIERS (4.32 LPA)
DEVASHISH	ECE	AAVAS FINANCIERS (3.6 LPA)
AMAN KALA	IT	AAVAS FINANCIERS (4.32 LPA)
ISHITA CHAUHAN	ECE	RESEARCHWIRE (6 LPA)
PRITAM RAJ	CS	MOBCODER (3.2 LPA TO 3.6 LPA)
AMAN CHATURVEDI	CIVIL	SHREE CEMENT (2.4 LPA)
HITESH KUMAR MINA	CIVIL	SHREE CEMENT (2.4 LPA)
SHAKTI RATHORE	CIVIL	SHREE CEMENT (2.4 LPA)
SUMER YADAV	CIVIL	SHREE CEMENT (2.4 LPA)
VIKAS RANJAN	CIVIL	SHREE CEMENT (2.4 LPA)
HIMANSHU RAJPUT	CIVIL	JARO EDUCATION (6 LPA)
CHETNA KUMARI MEENA	EE	JARO EDUCATION (6 LPA)
ASTHA CHATURVEDI	CIVIL	PINNACLE (2.16 LPA)
LAKSHYA GUPTA	CIVIL	PINNACLE (2.16 LPA)
MAHENDRA KUMAR CHOUDHARY	CIVIL	PINNACLE (2.16 LPA)
KUNIKA SAINI	EE	PINNACLE (2.16 LPA)
MAHESH PACHORIYA	EE	PINNACLE (2.16 LPA)
MANISH KHORANIYA	EE	PINNACLE (2.16 LPA)
AAYUSH POONIA	ME	PINNACLE (2.16 LPA)
AKASH GUPTA	ME	PINNACLE (2.16 LPA)
LAKSHAY KHANDELWAL	ME	PINNACLE (2.16 LPA)
ATUL SINGH	ME	PINNACLE (2.16 LPA)
RAHUL JAIN	ME	PINNACLE (2.16 LPA)
SUDIPT SHARMA	ME	PINNACLE (2.16 LPA)
GAURAV KUMAR	CS	INFOSYS CAMPUS DRIVE (PHASE-II) (3.6 LPA)



Name of Student	Branch	Company
GAURAV MISHRA	CS	INFOSYS CAMPUS DRIVE (PHASE-II) (3.6 LPA)
POOJA HOTWANI	CS	BYJU'S (6 LPA)
SAKSHAM SONI	ECE	BYJU'S (6 LPA)
HARSH CHHAPARWAL	IT	BYJU'S (6 LPA)
GOVIND KUMAR MEENA	CIVIL	PRACTO TECHNOLOGY (4.5 LPA)
PAYAL DHAR	ECE	PRACTO TECHNOLOGY (4.5 LPA)
SANKALP KALE	EE	PRACTO TECHNOLOGY (4.5 LPA)
AARUSHI KAUSHIK	CS	EINFOCHIPS (4 LPA TO 5 LPA)
RITIK SHARMA	ECE	EINFOCHIPS (4 LPA TO 5 LPA)
DIKSHANT KUMAR RATHORE	-ECE	PRATHAM (2.89 LPA)
MANISH SAINI	ME	POLYMEDICURE (2.22 LPA)
PARAMJEET KUMAWAT	ME	POLYMEDICURE (2.22 LPA)
PRADHUMN VIJAY	ME	POLYMEDICURE (2.22 LPA)
SHIVANAND KUMAR SINGH	ME	POLYMEDICURE (2.22 LPA)
JATIN KUMAWAT	CS	ADDWEB SOLUTION (2.48 LPA)
KHUSHAL PARETA	CS	ADDWEB SOLUTION (2.48 LPA)
SOMAY SHARMA	CS	ADDWEB SOLUTION (2.48 LPA)
HARSH GUPTA	CS	EXTERNLABS (PHASE-II) (3.5 LPA)
RISHAV RAJ	CS	EXTERNLABS (PHASE-II) (3.5 LPA)
GAURAV GUPTA	EE	SHRIRAM GENERAL (1.8 LPA TO 2 LPA)
AKASH PARASHAR	ME	SHRIRAM GENERAL (1.8 LPA TO 2 LPA)
MANISH JANGID	ME	SHRIRAM GENERAL (1.8 LPA TO 2 LPA)
AKANKSHA KUMARI	CS	VERZEO (5 LPA TO 8 LPA)
AKASH KUMAR	CS	VERZEO (5 LPA TO 8 LPA)
ANIKET SHARMA	ECE	VERZEO (5 LPA TO 8 LPA)
CHITRIKA BAGOTIA	ECE	VERZEO (5 LPA TO 8 LPA)
HARSH SAINI	ECE	VERZEO (5 LPA TO 8 LPA)
RIYA JAIN	ECE	VERZEO (5 LPA TO 8 LPA)
AJAY GUPTA.	EE	VERZEO (5 LPA TO 8 LPA)
TUSHAR DAVE	EE	VERZEO (5 LPA TO 8 LPA)
ABHISHEK KUMAR	ME	VERZEO (5 LPA TO 8 LPA)
ANANYA KATARA	ECE	KAYNES (1.44 LPA)
SAIPHALI AGRAWAL	ECE	KAYNES (1.44 LPA)
HARSHIT MATHUR	EE	GENUS (5.5 LPA)
YAMAN JANGIR	EE	POLYMEDICURE (2.22 LPA)
AMAN KUMAR	ME	POLYMEDICURE (2.22 LPA)
ALPANA	ECE	NAGARRO (PHASE-II) (3.5 LPA)



Name of Student	Branch	Company
KONIKA JAIN	ECE	EXTERNLABS (PHASE-III) (3.5 LPA)
AMIT KUMAR MEENA	EE	THE MATESHWARI BUS (3 LPA)
SARFUDDIN HAWARI	EE	THE MATESHWARI BUS (3 LPA)
BABLU	ME	THE MATESHWARI BUS (3 LPA)
GAURAV KUMAR	ME	THE MATESHWARI BUS (3 LPA)
MD YUSUF RAHMANI	ME	THE MATESHWARI BUS (3 LPA)
APOORVA MEENA	ECE	SMART HUNT (3.16 LPA)
NISHANT JAIN	IT	ONGRAPH (3.24 LPA TO 4.2 LPA)
TUSHAR SHARMA	CS	APPSECURE SECURITY (4.8 LPA)
PARTH SHARMA	EE	SKILL VERTEX (PHASE-II) (7 LPA)
SANDEEP KUMAR	EE	SKILL VERTEX (PHASE-II) (7 LPA)
SHUBHAM KUMAWAT	EE	SKILL VERTEX (PHASE-II) (7 LPA)
AMIT KUMAR	ME	MEHTAPLAST (2.4 LPA)
DHARMENDRA MISHRA	CS	AVATU PRIVATE LIMITED (3.5 LPA)
RIYA JOSHI	CS	AVATU PRIVATE LIMITED (3.5 LPA)
RAHUL GURJAR	IT	AVATU PRIVATE LIMITED (3.5 LPA)
MD AFZAL KHAN	CIVIL	SKOLAR (PHASE-II) (6 LPA)
SHUBHAM TIWARI	ECE	SKOLAR (PHASE-II) (6 LPA)
NEERAJ YADAV	ME	SKOLAR (PHASE-II) (6 LPA)
SHUBHAM YADAV	ME	SKOLAR (PHASE-II) (6 LPA)
KSHITIJ FOFLIYA	CIVIL	YES BANK (3 LPA)
PRANJUL MITTAL	CIVIL	YES BANK (3 LPA)
NEHA	ECE	YES BANK (3 LPA)
MOHAMMAD YAMEEN	ME	POLYMEDICURE (2.22 LPA)
GIRISH MITTAL	EE	PAGAR BOOK (4 LPA)
VIKRANT KHAJURIA	CS	VINOVE SOFTWARE & SERVICES (2.28 LPA)
PUNIT NARUKA	EE	THRILLOPHILIA (PHASE-II) (3.6 LPA)
AYUSH KHARE	IT	THRILLOPHILIA (PHASE-II) (3.6 LPA)
ARPIT KHANDELWAL	IT	AELUM CONSULTING (3 LPA TO 4 LPA)
DEEPAK SAJNANI	EE	ELEKTROLITES (2.6 LPA)
ADITYA CHOUDHARY	ME	PADHAI HELP (PHASE-II) (2.4 LPA)
NAYAN KUMAR	EE	THE MATESHWARI BUS (PHASE-II) (3 LPA)
VINOD SINGH	EE	THE MATESHWARI BUS (PHASE-II) (3 LPA)
DHIRENDRA SINGH SISODIYA	ME	THE MATESHWARI BUS (PHASE-II) (3 LPA)
HEMENDRA KUMAWAT	ME	THE MATESHWARI BUS (PHASE-II) (3 LPA)
VIKASH KUMAR	ECE	XCEEDANCE (4.25 LPA)
KUMAR NANDISH	ME	VDC TECHNOLOGIES (2.4 LPA)





Name of Student	Branch	Company
RAVINA SRIVASTAVA	ECE	SSTPL (3 LPA)
UTKARSH AGRAWAL	ECE	SSTPL (3 LPA)
ADITYA GUPTA	EE	SSTPL (3 LPA)
KAUSHIK BAIRWA	EE	SSTPL (3 LPA)
RAJVEER SAINI	EE	SSTPL (3 LPA)
ROHIT KUMAR	EE	SSTPL (3 LPA)
ABDULLAH KHOKAR	ME	QDEGREES (2.23 LPA)
KAYSHOO NAGAR	CS	MINIMALIST (3.6 LPA)
ALI KHAN	CS	ALADINN DIGITAL SOLUTIONS (3 LPA)
DEVANSHU JAIN	EE	EXTRAMARKS (3 LPA TO 3.64 LPA)
MD WAQUAR AHMAD	EE	JAIPUR AIRPORT- ADANI GROUP (2.4 LPA)
SAFDAR ALAM	EE	JAIPUR AIRPORT- ADANI GROUP (2.4 LPA)
SUVIGYA CHOUHAN	EE	JAIPUR AIRPORT- ADANI GROUP (2.4 LPA)
DUSHYANT SHARMA	ME	JAIPUR AIRPORT- ADANI GROUP (2.4 LPA)
YASH SHARMA	ME	JAIPUR AIRPORT- ADANI GROUP (2.4 LPA)
VISHAL SONI	CS	KDK SOFTWARE (3.7 LPA TO 4.2 LPA)
HIMANSHU LOHAR	IT	KDK SOFTWARE (3.7 LPA TO 4.2 LPA)
SAKSHI SHARMA	IT	AMPLEWORK SOFTWARE (3 LPA)
HARSH JANGIR	CIVIL	AMERICAN CHASE (3 LPA)
RAJAT KUMAR	CIVIL	DRISHTI IAS (3.36 LPA)
RAM NIWAS	EE	DRISHTI IAS (3.36 LPA)
YOGESH SHARMA	EE	DRISHTI IAS (3.36 LPA)
RAHUL SINGH CHOUHAN	ME	DRISHTI IAS (3.36 LPA)
AASHISH SONI	CS	MERCER (6 LPA)
GAUTAM RANA	CS	SQUARE YARDS (3 LPA)
BHOOMIKA AGRAWAL	ECE	SQUARE YARDS (3 LPA)
NIKSHUBHA SHARMA	ECE	SQUARE YARDS (3 LPA)
GULSHAN KUMAR AJMERA	EE	SQUARE YARDS (3 LPA)
HIMANSHU JAJOLIA	EE	SQUARE YARDS (3 LPA)
DHRUV SHARMA	IT	SQUARE YARDS (3 LPA)
MD MAHFOOZ	ME	SQUARE YARDS (3 LPA)
CHANDRA PRAKASH	CIVIL	1K KIRANA BAZAAR (4.55 LPA)
RUCHI AGARWAL	CIVIL	TALENTSERVE (2.4 LPA TO 12 LPA)
KRIKA CHOUDHARY	CS	TALENTSERVE (2.4 LPA TO 12 LPA)
ASHUTOSH SHARMA	EE	TALENTSERVE (2.4 LPA TO 12 LPA)
MIHIR MANOJ	CS	WIPRO (3.5 LPA)
ROHIT KUMAR VERMA	ME	WIPRO (3.5 LPA)



Name of Student	Branch	Company
GUDDU KUMAR	ECE	VERTEXPLUS (1.8 LPA TO 2.4 LPA)
TARUN KUMAR KUMAWAT	EE	QUIRINUS SOLUTIONS (2.5 LPA)
ARUSHI GUPTA	ECE	V7 INFOTECH (1.5 LPA TO 3.5 LPA)
UTSAV SHARMA	ECE	HAWKSCODE (1.3 LPA)
ROHIT SHARMA	CS	PROVIS TECHNOLOGIES (3.2 LPA)
VIKAS SUTHAR	IT	CODESTORE TECHNOLOGIES (3 LPA)
LAKSHAY MITTAL	ME	DESIGN2OCCUPANCY (2.64 LPA)
MD SHARIQUE AHMAD	IT	VERTEXPLUS (1.8 LPA TO 2.4 LPA)
REENA KOHLI	CIVIL	STONE AGE GROUP (2.4 LPA TO 3 LPA)
MANAN BHARGAVA	CS	STONE AGE GROUP (2.4 LPA TO 3 LPA)
SARVESH YADAV	ECE	THE JUDGE GROUP INDIA (4.42 LPA)
SARTHAK JOSHI	EE	THE JUDGE GROUP INDIA (4.42 LPA)
MANOKAMNA SINGH	CIVIL	RINEX TECHNOLOGIES (8 LPA)

## STUDENTS OFFERED 10 LACS & ABOVE PACKAGE



**TANISHA AGARWAL**



**YOGITA TAK**



**ROJ KANWAR**



**SALONI JAIN**





## Message

I am happy to know Poornima College of Engineering is launching its annual magazine **Poornima Winners** for session 2021-2022 on the theme Science, Technology and Innovation.

At Poornima, we strive to improve the academic atmosphere, learning and teaching environment for our students and teachers. We believe in producing a new generation of global professionals by curating a feasible atmosphere for them through innovative education programs.

Our alumni have constantly played a significant role in revealing and reinforcing Poornima via their successes. Our actual delegates are our graduated generation, who have attached themselves to students and directed them from time to time.

Poornima Alumni Societies formerly known as Poornima Alumni Association has consistently proven its commitment to strengthen frail links and forging new "partnerships via the workplace of graduated cohort" corporate relationships.

My congratulations to the editors and best wishes to all the graduates for a successful professional and personal life.

**Smt. Renu Singhi**  
Advisor  
Poornima Alumni Societies





## Message

I consider it an honor and an opportunity to introduce you to a group of young, dynamic individuals who are ready to face the challenges that lay before them in the industrial and corporate world at large. This is the era of technological innovation. The modern world of education has reverberated with waves of innovation around the world. In this dynamic environment, it is mandatory that the young minds of our country are nurtured and supported to place themselves at the highest pinnacle of success. Poornima College Of Engineering is one of the institutes that have evolved over time to be at par with the global educational world. The intelligence, high energy and motivation of our students, as well as their challenging work environment, ensure that they bring an extra level of maturity and knowledge to the classroom. The interaction between students and professors greatly enriches the learning experience for all. The combination of bright, dedicated students and expert professional faculty results in a great learning environment.

Our current batch of young budding engineers are working hard to be a part of a large dynamic industry. The intensive training and stimulating learning environment of our institute has made them proficient in both basic and specialized areas. The various value added courses provided in the institute have given adequate exposure to our students. In addition to basic technical skills, our students are also competent in soft skills. Poornima College Of Engineering has provided a perfect environment to develop the overall personality of the students. We are confident that these young men and women will be an asset to your organization with their technical and managerial skills and talent for innovation. Our goal is to actively assist you in sourcing and identifying the individuals who best suit your needs and in creating a successful recruiting relationship.

I also express my sincere thanks to all the organizations that actively cooperated with the union in the successful fulfillment of its efforts. It is truly an honor to introduce our students to your esteemed organizations and I look forward to your cooperation in the placements of our students.

With warm regards

**Ms. Dipti Lodha**

Director Corporate Relations

Placements & Training

Alumni Relations



# POORNIMA

## COLLEGE ALUMNI SOCIETY

**ABOUT PCAS:** With the objective to bring all the alumni of the college together, Poornima College Alumni Society (PCAS) was set up in the year 2006. The association provides a platform for interaction and sharing the thoughts by organizing different learning sessions. The alumni of the college are the real ambassadors who tie a strong bond with the juniors. The main focus areas of the PAA is to draw alumni into continuing life of their Alma mater and providing them with programs and encouraging their support. With the hope to make a difference, the PAA believes in characterization by vision, passion and courage providing a platform for exchange of ideas and experiences with Poornimites across the world.

**MISSION:** To develop and maintain a strong relation with Alumni and Poornima family, to develop faster networking and communication among Alumni and other stakeholders.

**VISION:** To become a must join organization by better informing, organizing and engaging alumni, students, staff members to strengthen the Poornima Group of Colleges as renowned organizations around the world.

### FOUNDER MEMBERS



**Mr. Sudhanshu Goyal**  
2005, Information Technology  
Founder & Director,  
Health Gennie



**Mr. Arvind Balan**  
2004, Computer Engineering  
Madcap Adventure Xperience Pvt. Ltd.  
Proprietor, Fresh & Fast Food  
Vice President, Hotel MKK Hospitality.



**Mr. Ashok Kumar Jain**  
2004, Electrical Engineering  
Proprietor, Deshna Buildhome





## ALUMNI MEET 2022

On 13th March 2022, Sunday the annual 'Alumni Meet' was organized at Poornima College Of Engineering which saw the participation of 200+ Alumni from various sectors. The event was graced by Dr. S. M. Seth (Chairman, Emeritus, Poornima Group), Mrs. Renu Singhi (Advisor Poornima College Alumni society), Ar. Rahul Singhi (Director Poornima Group), Dr. Mahesh Bunde (Director and Principal Poornima College of Engineering), Mr. Amit Gupta (Chief Proctor), Dr. Narayan Lal Jain (Vice Principal Poornima College of Engineering) and Dr. Rekha Nair (Dean 1st Year). Mr. Arvind Balan and Mr. Sudhanshu Goyal, founding members of Poornima College Alumni society, enlightened and guided us throughout the event.

The event began with registration and traditional welcome from 2:00 pm onwards. A tour to campus for the Alumni was arranged that focused on the advancements in the campus since the time they graduated. They were then asked to give their interview, enlighten their juniors with their experience and guidance. The Alumni were then led to the PCE garden where different activities like musical chairs, tug-of-war, box cricket, paper mask dance, ping pong, etc. were held to rekindle the zest for the rest of the evening. There were various selfie props and a photo booth that complemented the 'Rainbow of Culture' theme of the event followed by refreshments. There was a polaroid hanging booth that was a collection of memories of past years captured and sewn together, this increased the engagement time and interaction of Alumni.

The evening was made mesmerizing by dances, solo music performances, and band performances which were accompanied by dinner. The event was made a memorable one by the gracious words of the dignitaries. They spoke about the initiatives Poornima College is taking for strengthening Alumni relations and appreciated the efforts of Alumni whose presence made this event possible. They also thanked the management of the Poornima Group of Colleges and the organizing team whose hard work and support made this event a success. This was followed by felicitation of the iconic Poornimaite and Distinguished Poornimaite of the year. Mr. Ajar Mathur, the newly elected President of Poornima College Alumni Society spoke about his vision to take alumni relations to a new extent and he also shared the stage with the music band and added colors to the evening. The eve was concluded by captivating fireworks signifying a successful meet.







## ALUMNI ELECTION 2022

The election for the post of Office Executive of Poornima College Alumni Society has been concluded in fair and equitable way. The various steps of electoral process are:

As per the MOA of the PCAS, the following criteria was applicable for filling up the vacancies of the office bearers:

- President: Minimum 15 years of standing (Pass out: 2007 or before).
- Vice President: Minimum 12 years of standing (Pass out: 2010 or before).
- General Secretary: Minimum 10 years of standing (Pass out: 2012 or before).
- Finance Secretary: Minimum 8 years of standing (Pass out: 2014 or before)
- Academy Secretary/ Cultural Secretary/ Joint Secretary (2 Nos): Minimum 5 years of standing (Pass out: 2017 or before).

The Electoral has comprise the General Body of PCAS i.e., all registered alumni of Poornima College of Engineering and Poornima School of Business Management, subject to expressing their interest/ intention to cast the vote at the time of preparation of voter list.

The process of nomination was that the candidates have to fill the online nomination form, providing the name of their proposer and seconder, alongwith the office bearer position they want to run for, after that the candidates should have mailed to [election.pcas2022@poornima.org](mailto:election.pcas2022@poornima.org) with a video of their motive to introduce themself.

Voting was done via google form shared with the alumni with them through email, one Alumni have casted one vote through a unique voting code.

The candidates who have been selected for office bearers after successful electoral process are following:

NAME	POSITION
Ajar Mathur	President
Abhishek Sanghi	Vice President
Parul Tolani	General Secretary
Ravi Sharma	Finance Secretary
Vipul Kumar Jain	Cultural Secretary
Alka Singh	Academic Secretary
Megha Garg	Joint Secretary
Madhav Dadhich	Joint Secretary



## 7<sup>th</sup> CONVOCATION CEREMONY

The Poornima College of Engineering, Sitapura, Jaipur conducted the 7th convocation ceremony for the 2016-2020 batch on 5th March. Our chief guest Dr. Arvind Shaligram, director ISRO-SPPU space technology center and CEO-SPPU Research Park Foundation honored the event and motivated the students with their kind words of wisdom. The event commenced with the lighting of lamp by our chief guest and our respected dignitaries followed by a beautiful Ganesh Vandana performance by our student coordinators. Students from different branches graced the event along with their parents and received the degree with great enthusiasm. Our Respected dignitaries Mr. M. K. M Shah, Director General, Poornima Group, Jaipur, Dr. Mahesh M. Bunde, Director, PCE, Jaipur, Dr. Narayan Lal Jain, Vice Principal, PCE, Jaipur, Dr. Garima Mathur, Faculty Advisor, Students' Council, PCE, Jaipur granted the degree to the recipients along with their branch HODs. After the degree distribution, our respected chief guest Dr. Arvind Shaligram imparted the words of blessings to the students and epilogued the ceremony. Sh. Devendra Somwanshi, Registrar, PCE proposed the vote of thanks and imparted their heartiest thanks to all the faculty and students who made this event a great success. Succeeding the vote of thanks, Poornima Gaan and national anthem was sung by our brightest student coordinators. The event ended with the group photographs of students with their branch mates and branch HODs respectively.







## HEAR THEM SPEAK



Poornima Group has been the opportunity of a lifetime and has meant so much to all of us. I will say Thank You Poornima Group for building the right character and the cognitive skills that I need to keep expanding. I will treasure my memories with Poornima group for the rest of my life.

**Yogendra Singh**  
Alumni, Batch 2013-17  
(BSF, Sub Inspector)



First of all, I must acknowledge Poornima Group and its staff. They have been the source of my education and knowledge. The professors not only educate the students here but also teach a lesson about life. I am able to compete with this world over the years, only with the support and the knowledge that I have enhanced in Poornima.

**Ram Kishan Maheshwari**  
Alumni, Batch 2009-13  
(Sub Inspector, Delhi Police)



I enjoyed every minute of lectures delivered to me by my professors. Without my professors, I would not have been able to complete my engineering course with such ease and perfection. We were provided with exposure to practical aspects in labs as well as the theoretical aspects of all the subjects through classroom teaching. My deep gratitude to the Poornima group for their efforts in crafting my life.

**Harshita**  
Alumni, Batch 2017-21  
(VGL Group)



Getting enrolled in Poornima Group was the opportunity of a lifetime. It has meant so much to me. Highly grateful to this institution for building the right character and the cognitive skills that I need to keep growing life long.

**Laxman Singh Gujjar**  
Alumni, Batch 2000-04  
(IRS, Additional Commissioner)



Thank You to every person who has helped, supported, and guided me throughout my tenure. My colleagues and professors have offered me words of advise, love, and encouragement. All of which have propelled me forward to this point, where I would not be, without their guidance. I will forever hold each of you and the memories of Poornima Group.

**Bhagraj Choudhary**  
Alumni, Batch 2009-13  
(Wheatherford International)



## LANDMARKS

### INTER COLLEGE STUDENT EXCHANGE PROGRAM

SEPTEMBER 3-7, 2022

### SITM, GUWAHATI STUDENTS & TEACHERS VISIT TO PCE, JAIPUR

**Guest Institute:** Scholars Institute of Technology and Management, Guwahati, Assam

**Host Institute:** Poornima College of Engineering, Jaipur, Rajasthan

पद्मारोम्हर्देश



Coordinator(s) : Dr. Raj Kumar Satankar (8561995290), Mr. Balwan Sheshma (9079245861) • E-mail: rajkumar.satankar@poornima.org

Poornima College of Engineering organized 5 days INTER COLLEGE STUDENT EXCHANGE PROGRAM with the fraternity of SITM, GUWAHATI to promote a sustained and structured cultural connection in the areas of language learning, entrepreneurship, traditional knowledge, tourism & music, local sports, and sharing of best practices of Rajasthan and Assam State. It was coordinated by Dr. Raj Kumar Satankar, Mr. Balwan Sheshma and Ms. Appoorva Bansal. On 3rd Sep 2022, PCE organized the Inaugural session for the event. There were 14 students and 4 faculty members arrived in the morning as a Guest from SITM, Guwahati and approximately 100 people were attended the inaugural session. Firstly, the Head Coordinator of the event Dr. Raj Kumar Satankar briefed the audience about the complete outline of the Event along with the positive note to organize visits to local places, Students Interaction, cultural events, open mic sessions, entrepreneurship-based workshops, and expert talks to make the Guest Members familiar with the beauty of Rajasthan. During the session, the Chief Guest of the session Mr. Bijendra Kumar Sharma Joint Registrar, Cooperative Department, Government of Rajasthan Jaipur-Chief Guest enlightens us the culture of India along with the importance of discipline required in youth. Along with this Dr. Manoj Gupta, Pro-President, Poornima University appreciate the opportunity for the students by getting the chance to know about the diverse culture of Rajasthan and Assam. The Guest Faculty of SITM Mr. Nirangkush Das, Event Coordinator, Guest Institute, SITM Guwahati felicitated the Director of Poornima College of Engineering with Japi and Gamosa, the traditional hat and shawl of Assam. Mr. Kalpit Jain, Assistant Professor of PCE have beautifully describe the beauty of Rajasthan, starting from the historical icons, architecture and religions to eminent personality of Rajasthan, from Folk Music and Dance to the Food and Cuisine of Rajasthan. The same about the Assam culture, the students of SITM have given the presentation to make the audience aware about the history, dance style, food and cuisines of Assam. Later in the evening students of SITM and PCE have an interactive session. On 4th Sep 2022, the Jaipur were organized for the guest member. Visit were started from Albert Hall. Students of Poornima university were explained the importance of historic art and picture, idols and creatures of the museum. On 5th Sep 2022, early morning guest were taken to the Nahargar Fort for the morning heritage walk. Later in the noon Valedictory session were organized, the guest members of SITM felicitate Mr. Rahul Singhi with the token of respect. Number of traditional culture performance were performed by the students of PCE and SITM. From the Rajasthani dance to Bihu of Assam, from Shankar Dev Skit to the state cultural dance performance. Every performance added the shines in the event.





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## REPUBLIC DAY

Republic Day of India is celebrated on 26th January every year to mark the historic day when our country came into its own as a sovereign republic. The Indian Republic Day marks the successful attainment of the goal of 'Sampoorna Swaraj'. The Indian Constitution officially came into force on 26 January, 1950. As a republic, the constitution provides for an elected government and lays stress on political equality. Republic Day is celebrated on 26 January every year to mark the glorious event of India becoming a sovereign republic. Dr. Rajendra Prasad taking oath as the first President of free India is chronicled in the history of independent India. Each year Poornima Group also celebrates the day by hoisting the flag, singing National Anthem and Poornima Gaan and remembers the remarkable achievements and amendments made in the country and follows the tradition of the Group by singing.



## INDEPENDENCE DAY

One of the most memorable days in Indian history is 15th August 1947. It's the day on which the Indian subcontinent got independence after a long struggle. India only has three national festivals that are celebrated by the whole nation as one. Each year Poornima Group also celebrates the day with the feeling of martyrdom and hoists the flag with the members.











# POORNIMA WOMEN WELFARE ASSOCIATION & WOMEN IN SCIENCE AND ENGINEERING



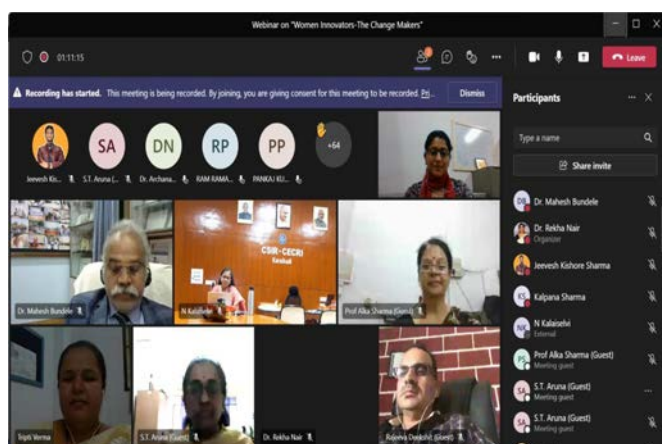
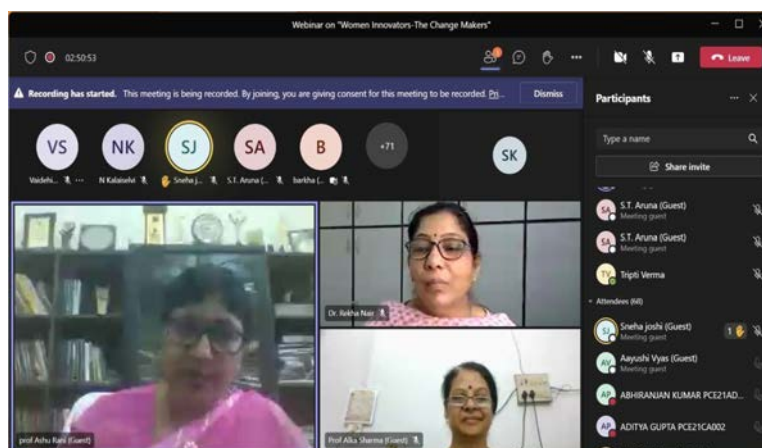
**ABOUT PWWA & WISE AT PCE:** AICTE has made it mandatory for all the institutions to set up a women welfare association cell to ensure well being and safety of women present there. Following these norms, our organization has modeled PWWA. The cell focuses on creating awareness among girls and women staff, promoting their well-being. Women are the foundation of every society. Women can do a lot in society, what is needed; she herself should identify her strengths and work on it to build a strong society. A woman can not only change anything but also can change everything. “Women are the real Architect of Society”. So, women at PCE have clasped and formed a club called Women in Science and Engineering (WISE) to propagate the importance and relevance of women education in science and engineering. Every year activities of WISE have been organized with the coordination of the concerned department to encourage the maximum participation of girls in various activities and to promote their overall development. For the motivation a poster competition on the topic, “Girls are the Spirit of our Nation” has been organized by the entity to promote the girl students and female members and an exhibition is promoted on this virtual platform. It stands for Women in Science and Engineering that formally aims to strengthen the technological scenario in which women are going to play a key role. As women are the foundation of every society they need strength & a strong identity to build a strong society for which WISE was established. Various social programs like visits to hospitals, slum houses, and orphanages, etc. are organized at regular intervals under WISE.

## VISION :

To improve the status of women in our society and to make them aware of their rights.

## MISSION :

- To evolve and develop skill based systems in PCE showcasing different activities to groom their overall personality.
- To increase the number of women pursuing and graduating in science, technology, engineering and to promote the recruitment and advancement of women who have chosen engineering as their career.







## **National Webinar on International Women's Day WOMAN INNOVATORS- THE CHANGEMAKERS :**

Poornima Women Welfare Association, Poornima College of Engineering, Jaipur with Electrochemical Society of India, IISc Campus, Bengaluru jointly organized a National Webinar on the topic, "WOMEN INNOVATORS -THE CHANGEMAKERS" to celebrate International Women's Day on 8th of March 2022. On the occasion of International Women's Day we had the empowered women who were from different divisions Dr. S. T. Aruna Hon. President, ECSI, IISc campus, Bengaluru & Senior Principal Scientist, Surface Engineering Division, CSIR-NAL, Bengaluru, Prof. Alka Sharma, Vice President, ECSI, IISc campus, Bengaluru, Dr. N. Kalaiselvi, Director, CSIR-CECRI, Karaikudi, Prof. Ashu Rani, Director Research, Dean, Science & HoD, Department of Pure and Applied Chemistry, University of Kota, Kota, – Dr. Rekha Nair, Chairperson, PWWA & Women in Science & Engineering (WISE), Dean-Academics, Poornima College of Engineering, Jaipur. The event started with the welcome words and about ESCI by Dr. S.T. Aruna, continued with the blessings of Dr. Mahesh Bunde Director, Poornima College of Engineering, Jaipur. The session was followed with the words of wisdom and encouragement of the eminent speakers on the themes based on 'Electrochemistry for Green Energy' and 'Happy Woman as Scientist'. The session was preceded with Virtual Exhibition of Selected Poster made by PCE students on the theme "Girls – The Spirit of Our Nation". In the next session an interactive session had taken place with the ECSI and PCE dignitaries for the queries by the students. In the last the Words of Gratitude was proposed by Dr. Rekha Nair, Chairperson, PWWA & Women in Science & Engineering (WISE) club, Dean-Academics, Poornima College of Engineering, Jaipur. Dr. Rekha Nair has also announced the achievement of Mrs. Renu Singhi, Advisor, Poornima Alumni Society and first Lady of Poornima Family as Dainik Bhaskar Women of the Year and shared the milestones earned.



**Celebration of Basant Panchami, February 05, 2022:** The Poojan and Hawan Ceremony " was organized by all the Female Faculty and Student Coordinator PCE under the banner of PWWA-WISE. Saraswati, the deity of knowledge, wisdom, learning, music and art symbolizes creative energy. Worship of 'Goddess of Learning' holds special meaning in schools and colleges. WISE Club of PCE organized Saraswati Pooja with Hawan Ceremony in the temple of Goddess Saraswati at the college compound. All the teachers wearing yellow colored dress offered their prayers to Maa Saraswati and worshiped for the progress of all the students and college as well. Prasad was distributed at the end of the ceremony. The faculty coordinator for the session was Mrs. Kalpana Sharma, Assistant Professor, Member-WISE, Department of ECE, PCE and Student coordinators are Perna Pandey and Saumya Tripathi, student, I year, Department of Computer Science and Engineering .







**Female Health Awareness Day, February 11, 2022:** PWWA and WISE, PCE in collaboration with Swasthya Kalyan Homeopathic Medical College and Research Centre organized a health related awareness programme in the institution on the occasion of "Female Health Awareness Day". This Programme was scheduled especially for female students and faculty members to be aware of female health related issues. So, for this purpose, all the female students and faculty members were invited to attend this event.

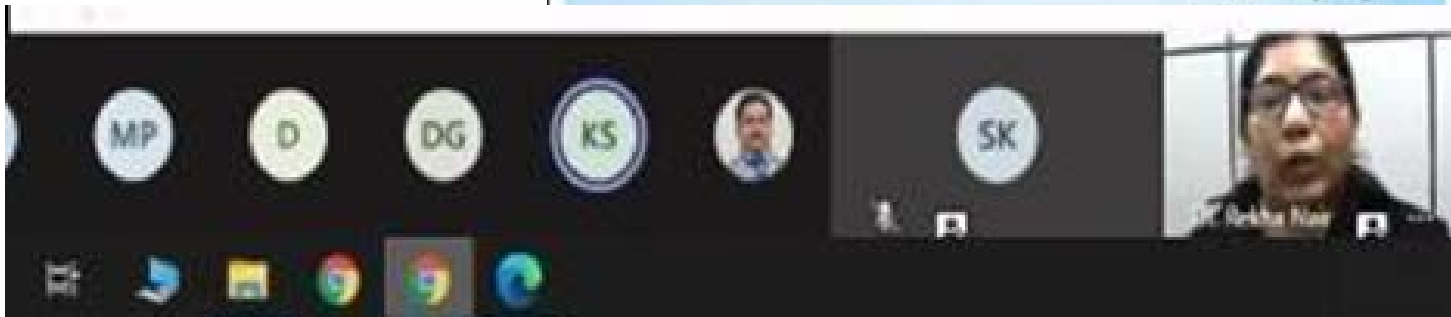




## SESSIONS CONDUCTED AT DEPARTMENT LEVEL

### Department of First Year:

A Webinar on “Intellectual Property Rights: Patent, Designs, Trademarks, Copyright and Geographical Indications” 6th January, 2022. The celebration of "Azadika Amrit Mahotsav" with the theme of 'Creative India, Innovative India' by the Government of India is being celebrated. Under this flagship NIPAM (A National Intellectual Property Awareness Mission) with its ambitious programme is spreading awareness on intellectual property so that a more environment of innovation and creativity can be established in the country. To inculcate the spirit of creativity and innovation among the students of higher education and ignite and inspire the students of college/Universities to innovate and protect their creations, a webinar on Intellectual Property Rights: Patent, Designs, Trademarks, Copyright and Geographical Indications was organized in online mode at Poornima College of Engineering, Jaipur on Thursday, 6th January, 2022. The webinar was attended by 138 participants where 244 registered for the same. The Guest Dr. D Usha Rao, Controller of Patents and Designs, Patent Office, Delhi, Dr. Mahesh Bundeale, Director & Principal, PCE, Dr. Komal Choudhary, Examiner, Patent & Designs, Patent Office, Delhi, Dr. Manoj Balan, Examiner, Patent & Designs, Patent Office, Delhi, Mr. Pankaj Dhemla, Vice Principal, PCE, Dr. Rekha Nair, Dean, First Year, PCE and Mr. Shailendra Kasera, Head, First Year, PCE motivated the students and faculty members with their gracious presence on online platform. Dr. Mahesh Bundeale, Director & Principal, PCE felicitated the Guests, with E-Memento. The speaker of the session Dr. Komal Choudhary, Examiner of Patent & Designs, NIPAM officer in Chemical Division, Patent office Delhi, CGPDTM Department for promotion of Industry and Internal Trade Ministry of Commerce & Industry, Govt. of India talked about different aspects related to patents such as Property, Property Rights, Patent and Necessity of Patents. She emphasized on the importance of the role of a strong IPR ecosystem in the advancement of a country and how IPR is an important tool for the IP holder to become a "Job giver rather than job seeker". She motivated the audience to create an IP culture and to enhance knowledge & competencies in tune with the global environment. The session ended with the questions and queries of the audience where they satiate their minds with loads of knowledge.







## Department of Computer Science Expert Lecture

December 23, 2021

Cloud Computing and Innovation Faculty Member: Dr. Neelam Chaplot



On December 23, 2021, Computer Engineering Department, Poornima Innovation and Incubation Cell (PIIC) and Women Science and Engineering (WISE) jointly conducted an Expert session on Cloud Computing and Innovation for students of Poornima College of Engineering in order to motivate young students for entrepreneurial spirit and various innovations taking with the use of Cloud Computing. Mr. Akhilesh Laddha, VicePresident, Tech Mahindra (USA) was the key speaker of the program. At the start of the session, Dr. Mahesh Bun-dele, Director, PCE welcomed the guest of honor with a bouquet and a memento. Mr.Laddha is responsible for driving cloud business (AWS/Azure/GCP/IBM/Oracle) across industry verticals in America & Canada. He is accountable for providing cloud consultancy to enterprises for cloud adoption; defining best suited solutions leveraging cloud technologies, designing cloud native application architecture and developing accelerators across cloud layers for rapid cloud adoption and leading application transformation pursuit end - 2- end. He has 21+ years of IT .Experience across different streams- Creating Public cloud & Cloud migration practice from grounds-up & growing at scale, leading technical sales in USA ,heading Practice, leading Solution Architecture team ,pre-sales, delivery & application development. He is multi-cloud (AWS, Azure & GCP) certified architect and author of multiple technology business papers. During his talk, Mr. Laddha, shared his journey with cloud computing and how it helped him throughout his career leading him to become the vice president. All the obstacles he faced, his achievements, his goals all were told by him patiently. He also mentioned how this technology is helping people throughout the world in their startups and what is the future in this industry. He expressed about various startups using this technology namely, OLA and SWIGGY and how they manage such an enormous number of users on their server.





## "A RHYTHM TO YOUR SOUL, A SOJOURN TO BEHOLD, ANOTHER SPLENDOR FOR YOU TO ADORE"

Poornima College of Engineering had organized "Poornima Aarohan 2022" - The Annual College fest, which blends a series of fine arts, social - cultural and technical, unique opportunities to blaze the talent and skills creating a memorable event for all the participants. A mix of soulful voices, flashy lights, and excited screams, that binds the crowd together as we set into the night. Crowd founded themselves waving hands in the AIR with the happiest smile etched on their faces, as they were singing along, sharing the excitement and love for the moment as everyone else.

We had celebrated the spirit of adventure and exploration and immersing others in the magic of Poornima Aarohan and gratify this fest by invoking the spirit of enthusiasm and zeal.

A colorful extravaganza, Aarohan-2022 is a three-day festival jam-packed with exciting events and competitions. It will feature a fantastic concoction of music, dance, creative arts, and some phenomenal technical contests while exhibiting rich crafts and other side shows.



**• Technical      • Sports      • Club Activities      • Cultural      • Recreational**

Cherishing the joyous vibe, celebrity nights were scheduled at the end of each day which further added the entertainment quotient to the event.

It is noteworthy that in this three-day festival, various competitions were organized in technical, club and sports categories. The fest was inaugurated by Renu Singhi, advisor of Poornima Alumni Association by lighting the lamp. During the fest, various activities were organized in which students participated with energy. Both boys and girls showed sportsmanship in various sports activities like volleyball, arm wrestling, Kabaddi, Box Cricket, Badminton and Table Tennis. There was a glimpse of unity in diversity in the various activities of the fest. Various types of food stalls were also set up in the campus. This fest was really nothing less than a festival for everyone.











# POORNIMA MANTHAN 2021

**AN INTERNATIONAL LEVEL DEBATE COMPETITION**



**THIS HOUSE BELIEVES THAT  
TECH HAS MADE LIVES MORE MEANINGFUL**

**Date: October 23, 2021**  
**Venue: Arbuda Convention Centre, PCE**



## INTRODUCTION

Poornima Manthan is an international-level debate competition, organized every year in September & October, in American Parliamentary Style. It is a style in which a round of debate features two teams of two debaters each: the Government team, including the Prime Minister and the Member of Government, and the Opposition team, including the Leader of the Opposition and the Member of the Opposition. A judge listens to the round and provides quantitative and qualitative assessments of the round as a whole and of the individual speakers.

## TOPIC OF THE DEBATE

The house believes that tech has made lives easier.







## SUMMARY

Poornima College of Engineering conducted Poornima Manthan 2021 - An International Level debate competition on October 23rd, 2021, in Arbuda Convention Centre, in collaboration with Yi Yuva Jaipur.

Parliamentary debate is an off-topic, extemporaneous form of competitive debate which stresses rigorous argumentation, logical analysis, quick thinking, breadth of knowledge, and rhetorical ability over preparation of evidence. It is patterned after the style of platform debate first made famous at Oxford University. The format pits two two-person teams against each other in a contest of argument, wit and rhetoric which roughly simulates debate in a House of Parliament.

Poornima Manthan 2021 had a remarkable way to deal with banter that gave a casual yet exceptionally thorough discussion experience for all included. The occasion brought forward the critical concerns of today's society and assisted the students in expanding their perspectives and horizons of thoughts.

The inaugural ceremony was presided over by eminent dignitaries that lend the occasion with a genuine sparkle. The event started with lightning of lamp, and garlanding of Maa Saraswati, proceeded over by felicitation of the judges and the chief guests.

A total of 12 teams participated physically and 24 teams participated in an online manner and 2 teams were from outside India (Malaysia & Brazil). A qualifier's round was conducted for online participants and top 2 teams competed with offline teams. The debate was presided by Mr. Arpit Patni, Chair, Yi Jaipur. Mr. Vinay Modi and Ms. Malti Jain were the jury members for the debate. The winners were Harshit Baweja & Tridivendra Mohanta from JNU, Jaipur and the Runners up were Navreen Kaur & Yashovardhan Tiwari from St. Xavier's College, Jaipur

The chief guests and the jury members appreciated Poornima Manthan 2021, and said that it was wonderful seeing students deal with banter in a strategical manner.

Organizing Manthan 2021 was a truly overwhelming experience for the whole team. Conducting such a big event in hybrid mode was definitely a challenge, but receiving the startling amount of participation was like a cherry on top.





## DEPARTMENT OF I YEAR

### About the Department

The First Year Engineering Department, PCE is committed for imparting the students the basic knowledge required to pursue their engineering education. Established in 2000, from the very inception of the college, the department takes pride in educating over 582 students spread among 10 sections of CS, IT, EC, EE, Civil, Mechanical, Artificial Intelligence and Data Science branches of engineering. The framework of the department provides ample opportunities to the students to train and excel themselves as researcher, thinker, job-seeker, entrepreneur or innovator based on their passion. We focus on quality of teaching, learning and innovation to develop competent engineers with professional, analytical skills and ethical values. To strengthen the graduate attributes we have designed the curriculum in line with the staff of 36 faculties with the supporting staff of 8. 15 numbers of laboratories along with the 8 lecture halls having the sitting of 50+ students at a time and 2 tutorial classes are provided to the students of the first year department.

Club activity is an integral part of First Year which comprises 2 clubs namely Literary Club and Zircon Club. These Clubs are coordinated by young and Energetic student Coordinators. First Year students also participate in Club activities that are targeted to provide overall personality development in order to make them Industry ready.

The First Year department is an indispensable part of PCE. It has always played the role of foundation and building block of PCE which prepares the neophytes to cope with the atmosphere of an Engineering institution by including a scientific temperament in them. Like Ever the department has played an essential role and shown the zeal and efforts to uplift the nation builders. Here the faculty members are gal oriented and completely dedicated towards their aim. The First year department is very strict in terms of Uniform, attendance, mid-term exams and all other special activities. Beyond the academics, the Department also emphasizes Non-Syllabus Projects which helps the students to expand not only non-technical skills, but also professional attributes like team work, communication skills, critical thinking, presentation skills, and also most importantly, the hands-on experience with the project based environment.

The discipline shown by the faculty members helps the budding technocrats to prepare themselves to be good future engineers. The department has organized many activities for the whole year for the complete development of the students. The department organizes many competitions after a certain interval to raise the talent of the students and make them compete in this global world. We also organize many activities to make the students aware about the personality. The communication lab also takes great care of the students. Here the students rigorously practice on spoken English and do various workouts to groom their personality. Thus the first year department works well to give its contribution in form of Better Future Engineers

*A great bridge is a great monument which should serve to make known the splendour and genius of a nation; one should not occupy oneself with efforts to perfect it architecturally, for taste is always susceptible to change, but to conserve always in its form and decoration the character of solidity which is proper.*

**– Jean Peronnet**





## Message From Dean

*“Coming together is beginning, Staying together is progress,  
Working together is success”*

I felt overwhelmed while congratulating the Department of First Year, Poornima College of Engineering for successfully conducting an offline session after the pandemic. As the quote prefers the importance of teamwork, I show my gratitude to each and every member of my team who has left no stone unturned in effective delivery of classes as well as in implementation of various activities from time to time. This odd semester has certainly been full of exciting activities and outstanding achievements and it makes us feel more enthusiastic when we see every nook and corner of the campus filled with budding technocrats.

The most basic aspect of an engineer is ‘Innovation’. The innovative ideas pave the path for further developments and improvements. Today the world around us has many social, environmental and health issues which need to be addressed carefully. Being an innovator it is the duty of every young mind to be creative enough to come up with innovative ideas and analytical enough to link knowledge from different areas to solve problems. On the other hand we as an educational institution, have the responsibility in promoting activities which give students the awareness and the exposure to deal with and solve issues. We have always been successful in molding young minds into good citizens and this time too we have done our part. It gives me immense pleasure in saying that we have successfully completed another academic session.

Looking back every student and every faculty member with their unique talent has contributed to the success of the department. Hoping the same for the future!



**Dr. Rekha Nair**  
Dean, First Year  
Poornima College of Engineering

## From The Desk of HOD

First-Year Engineering plays a pivotal role in ushering the students to be prospective engineers. By the grace of the almighty and dedicated efforts of our team, we have played our role pretty well even in the ups and downs of Covid. As our college has the distinction of being known as one of the pioneers in the field of technical education and our aim is to remain at the forefront of learning, teaching, and research; we have been putting our sincere efforts and striving hard to promote academic excellence. I believe that these efforts could become fruitful because of teamwork. Great things are rarely achieved by just one person. Usually, they are accomplished by a group of people, and when everyone is committed to the overall goal, teams move faster, are more innovative, and are more successful. Successful teamwork is essential for anyone attempting to complete projects successfully.

Appreciating the efforts put in by all of us and hoping the same for the future.



**Shailendra Kasera**  
HOD, First Year  
Poornima College of Engineering



## About Induction Programme

The induction programme was brought in with a view to uplift the level of the entrants to an elevated stage, promote all-round development and exposing learners' stigmas to minimize and to maximize their learning. Learners come from diverse thoughts, backgrounds & perceptions and it is important to help them adjust to the new environment & inculcate the ethos of the institution with a sense of larger purpose. Poornima College of Engineering, Jaipur, has organized a three-week induction programme with an objective to provide ample of time and a platform for the transition of students from school to the hard-core engineering. An induction programme is a harbinger of various in-campus & off-campus activities specially designed for entrants to fill the gap.

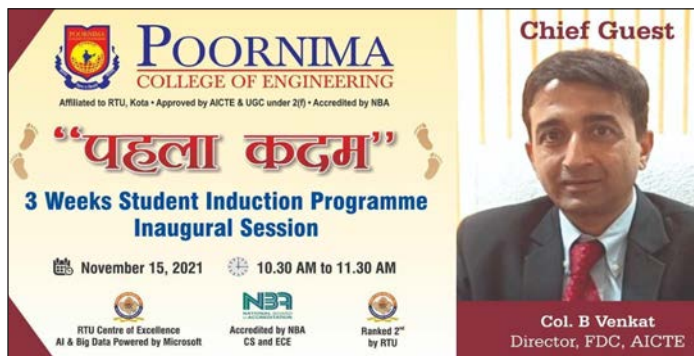
## Pre-Orientation Programme

A Pre-orientation program of the First Year 2021-22 batch was conducted from October 26-29, 2021 which involved various activities from interaction to individual presentation. It was initiated with the registration and welcome of students at Arbuda Convention Center, PIET. The initiation of orientation was conducted with the lamp lighting ceremony executed by students. The Heads of I year departments also made the students know about their departments and its sanctity. Further, to provide a platform to interact with the placement scenario of Poornima College of Engineering, students interacted with the placed students of high package. This boosted their enthusiasm and made them know the importance of placement and their academics. After this, some other interactions were organized so that they may feel cheered up and show their talent on the platform provided. First day of pre-orientation ended with the zeal and enthusiasm in students and positive feedback from them as they showed their excitement to attend their college for academic and non-academic purposes.

The second day of Pre-orientation started with a lot of excitement and curiosity which could be satisfied only after they had visited Jaipur City and Poornima University and interacted with the students of members of the students' council. At first, they were made aware of the visit plan. Later, visits to PU and Jaipur city gave them a platform to be acquainted with each other and the Poornima Group also. It included the campus visit and visit of historical places under the guidance of respective faculty coordinators. The students participated in the activities related to lab tools, MS-Office learning, and Proficiency module, functioning, and achievements of PU, sports, etc. On the third day of Pre-orientation, the activities were organized as per the group assigned to a particular faculty member. It also included interaction activities for budding engineers like visits, Hobby Team Building, and classroom activities for the enhancement of their knowledge and their participation. The third day ended with enthusiasm and motivation for students in the First year.

The fourth day of Pre-orientation continued with the visit to Jaipur and interactive activities for students who didn't remain aloof from participation. They showed their talent and learned from subjective faculty members as per the assigned schedule for them. On 29 October 2021, Pre-orientation took place with the conduction of various activities which were organized for students' understanding of various subjects and their concepts. This included sessions from tutor interaction to various creative and learning sessions: Creative Arts, Industrial Visit, Sports Activities, and so on. These activities were conducted in the respective classrooms, lab, and seminar halls. The students took part in them and became familiar with many aspects related to academic and non-academic. At the end of the day, the students gave their feedback for the activities and events which were organized for the students since the inception of the orientation program. The pre-orientation period witnessed the presence of faculty members as coordinators of the program under the guidance of respective Heads of the First Year department. The visits and other activities were organized under the guidance of Dr.Rekha Nair and Dr.Sama Jain along with the faculty members of PCE and PIET as a team for the smooth conduction of the program. The faculty coordinators also gave their best and made these days memorable and interactive for the budding engineers.





Inaugural Session



Welcome of the new comers



A Visit to Poornima University & Sports Activity



Jaipur Visit





## Induction Programme: Opening Ceremony of Main Induction Programme

The Orientation Program of 2021 with the name of "PehlaKadam" for the newly admitted students of B. Tech. First year and was initiated on October 26, 2021 in 'Arbuda Convention Centre', the main three weeks Induction Programme continued from November 10, 2021. The session started with a heart-warming attitude to welcome the new members of Poornima College of Engineering. Followed by the 'Tilak Ceremony' by students onwards 2nd year, an interactive session was conducted by Kuldeep Sharma which proceeded with different game activities to indulge students more and more. The session ended with the zeal and enthusiasm in students and positive feedback from them as they showed their excitement to attend their college for academic and non-academic purposes. The inaugural ceremony happened on November 15, 2021 which featured Col.B-Venkat (Director, FDC-AICTE) as our chief guest initiated with GANESH VANDANA, featuring first-year students. Following that, dignitaries lit the lamp, which was followed by Dr. Mahesh Bunde (Director of PCE) felicitation of the chief guest with a bouquet & memento. Then, Dr. Rekha Nair (First-Year Dean) informed students about the student induction program, including the rules and regulations, as well as the outcomes obtained through this induction program. Ar. Rahul Singhi (Director Poornima Group) began his story with the past, how his father started this institute with a stone and now this Poornima group is at its peak, he also told about the featured programs and values that will be focused throughout the entire course of this B.Tech degree, He congratulated and welcomed all the students to Poornima group. Dr. Mahesh M. Bunde was the session's next speaker (Director PCE) who addressed the crowd and encouraged them.



The next event of the session was addressed by our chief guest, Col.B-Venkat, who began his speech by saying how grateful he was to be a part of the induction program as a chief guest. He then welcomed the students to the new phase of their lives, instructing them to be motivated, disciplined, passionate, and focused on their goals. He discussed national awareness and current events, and as an army officer, he advised students to learn from the good and ignore the bad citing Aryan Khan as an example and cautioning students not to learn anything from these types of personalities.

As the Director of AICTE, he informed students about the various programs that are in place for their benefit; he advised students to concentrate on their studies because the number of unemployed engineers is growing by the day; and he encouraged students and teachers to visit the website on the AICTE portal in order to gain access to them.

"Learn to live within your means"

One of the most important points he made was to encourage students to be alone with them. At the end of his speech, he advised students to make friends in college and learn from them, because when we look back over the years, we cherish the memories we shared a long time ago. He also stated that he will attend his batch mates' reunion. Mr. Pankaj Dhemla (Vice Principal, PCE) conducted the oath taking ceremony following the speech. Mr. Shailendra Kasera, (HOD First Year PCE), gave the vote of thanks at the end of the session.

This warm session enlightened the students on a variety of major goals to be pursued in the future. The outcome of the activity was that students came to know about the past of the Poornima group, and about its foundation pillar. Also, the students interacted with the dignitaries including our chief guest.





## FACULTY ACHIEVEMENTS

### DR. REKHA NAIR

- Convener, “Technovation 2021 – National Level Student Technical Paper and Model Contest”, organized at Poornima College of Engineering, Jaipur, 21-22 January 2022, Conference Proceedings with ISBN Number: 978-93-5593-541-0
- Convener, National Webinar on “Women Innovators-The Challengemakers” in collaboration with Electrochemical Society of India, IISc, Bengaluru, 8 March 2022
- Organized AADHAR, Technical Project Competition, Poornima College of Engineering, Inaugurated by Dr. Balbir Singh Bisht, Regional Director, WR & Scientific Officer –H, Atomic Minerals Directorate for Exploration and Research, Department of Atomic Energy, Govt. of India, 15 February 2022,
- Project Exhibition in collaboration with Rajasthan Patrika, 1 April 2022
- Convener, Student Induction Programme for I Year as per AICTE guidelines, Poornima Group Attended Inaugural programme on “Three days residential awareness workshop on plastic waste management” as guest at CIPET and initiated Collaboration with CIPET for waste management projects

#### Trainings & Workshops attended

- Attended 5 days AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Wastewater Treatment Recycle and Reuse" at NetajiSubhas University of Technology West Campus from 06-10 September 2021.
- Attended 5 days AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Green Technology" at SantLongowal institute of Engineering and Technology, Longowal., from 23-27 August 2021

Dr. Rekha Nair was invited as Guest of honor for Inaugural programme on “Three days residential awareness workshop on plastic waste management” at CIPET. She along with Director, CIPET visited the labs and discussed the possibility of Collaboration with CIPET for waste management projects.





### Dr. Meena Tekriwal

- Assistant Professor, Department of Chemistry published a paper entitled, ‘Synthesis and application of cobalt and vanadium complexes for quantitative estimation of anticancer drug, Mesna’ in International Materials Today Journal, Vol. 42, part-4, 2021(Pages 1718-1722).
- She has completed successfully four FDP’s organized by ATAL, AICTE on the topics:
- Inculcating Universal Human Values in Technical Education
- Novel Material Future trends in green energy technologies for sustainable development Renewable Energy Technologies
- Future trends in green energy technologies for sustainable development

### Kalpana Sharma

- Assistant Professor completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Emotional Quotient, Intelligent Quotient and Social Quotient” at Sagar Institute of Research and Technology Pharmacy, Bhopal from 18 October 2021 to 22 October 2021
- FDP on “Research Methodology on Applied Econometrics” at National Institute of Industrial Engineering from 22 November 2021 to 26 November 2021
- FDP on “Social Enterprise Management” at Institute of Management Studies, Banaras Hindu University from 23 October 2021 to 27 October 2021

### Dr. Kuldeep Sharma

- Received PhD degree in this session
- Received certificate for his contribution as “Moderator” and “Resource Person” in online live session(s) of "GyansudhaProgramme" organized by the Commissionerate of College Education, Jaipur from 16th June – 31st Aug.21. He enlightened the participants on the topic “Understanding of General English for Administrative Services Exams”.
- Published research paper titled Tussle between the Right and the Wrong (Tale-Danda and Fire and the Rain), IJRHAL (IMPACT), Jan 2022, ISSN (2347-4564).
- Published research paper titled English Language and Society in Socio-cultural Environment, DRSR UGC Care, Jan 2022. ISSN (2347- 780).
- Attended conference English Language and Society, 15th International and 51st Annual Conference of ELTAI, Nov. 2021

### Amarjeet Bharti

- FDP Attended on "Productivity Enhancement through Effective Stress Management" organized by ATAL.
- A FDP attended on Entrepreneurship Development & Managing Start Ups organized by ATAL
- FDP Attended "Electric Vehicle Engineering" organized by ATAL.
- FDP Attended "Data Sciences" organized by ATAL.
- A FDP attended on GEOINFORMATICS AND WEB TECHNOLOGIES organized by ATAL Online FDP on LaTeX organized by Poornima University in association with IIT Bombay, Spoken Tutorial organized by Poornima University





### Dr. Piyusha Somvanshi

- Associate Professor was certified with Certificate of Participation at Education Track of Digital Technology Senate 2021

### Mr. Dhananjay Kumar

- Gave expert talk on the future of work and work of future: A view through artificial intelligence Lecture was about how AI will impact the society and technology. Also emphasized the influence of AI on the development of various equipment

### Riddhi Shrivastav

- A Paper Published on “Agro-wastes sustainable materials for wastewater treatment: Review of current scenario and approaches for India”. In Material’s Today on 12 February 2022.
- A Book Chapter on Emerging techniques for urban resource restoration: Bioremediation, Phytoremediation, Habitat enhancement of various ecosystems in Wiley on 25oct 2021.
- FDP attended on FUTURE TRENDS IN GREEN ENERGY TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT, 25 - 29/10/2021 organized by ATAL
- FDP attended on Implementation of Emerging Waste-To-Energy Technologies - An Opportunity and The challenges On Energy Recovery Systems, 15-19/11/2021 organized by ATAL
- FDP attended on Role of green technologies in Sustainable development , 22-26/11/2021 organized by ATAL

### Sugreev Choudhary

- Attended FDP on PCB Design, Soldering, Assembly and Enclosure Development Using a PCB Milling Machine, Laser Cutter and 3D Printer at PIET from April 19-22, 2022









## STUDENTS ACHIEVEMENTS

Students participated in Aarohan and Aadhaar X enthusiastically. They performed well and secured prizes. Outside the campus participation- Students of First year participated in many activities outside the campus. The details are given below-

S.No.	Students Name	Activity Name	Venue
1	Prakash Sirvi	Infosys Interactive Skills	Jaipur
2	Parthivi Thakore	English Idioms	Knudge.me
3	Parthivi Thakore	Learning Korean Language from Duolingo	Duolingo
4	Devesh Soni	Poem Competition in SAGA 21	Google Meet
5	Ashish Agrawal	The Fundamentals of Digital Marketing	Online platform
6	Ashish Agrawal	The Fundamentals of Digital Marketing	Online platform
7	Kailash Pal Singh	The Fundamental of digital marketing	Google digital garage
8	Ayush Kumar	Selected as in internship in graphic designing	Internship
9	Jaswant singh	Basic of business communication	Infosys springboard
10	Kanishk Pamecha	Course on introduction to cyber security	Online course
11	KUNAL ARYA	C++ Online Course	Great Learning Online Examination
12	Ritesh Kumar Samdani	Introduction in programming c	Swayam online portal
13	Divyansh Johari	Co-ordinated _and participated in IIT BHU MUN	IIT BHU
14	Kailash pal	Interactive skills	Infosys springboard
15	Pranjal jain	Android kotlin	Online
16	Aayush Sharma	Codestellation	Jecrc University
17	Mohit Raj Purohit	Neo education ambassador	Online
18	Megh Shah	Ignite Treasure Hunt	Online
19	Animesh Kumar Garg	AR ATELIER Workshop	NIT Durgapur (online)
20	Ashish Agrawal	The Fundamentals of Digital Marketing	Online Platform
21	Muskan Rehwani	Html and css course with JavaScript	Great Learning
22	Prasant Gupta	Solution architect virtual experience program by AWS	Online
23	Deependra Sharma	Internship (Event Management)	Online
24	Prasant Gupta	AI aware by Intel or Digital India	Online platform
25	Prabal Jain	Diploma in Computer Application	ALMA
26	Sanyam Jain	Tcs-ion Career Edge Young Professional	Online Platform
27	Harsh Kukreja	Wings for life world run by Redbull Attended C/C++ & DSA workshop	poornima university Online platform



S.No.	Students Name	Activity Name	Venue
28	Bhaves choudhary	Basic of business communication	Infosys springboard
29	Kailash Pal Singh	Interactive skills	Infosys springboard
30	Kunal Arya	Python Programming Online Course	Great Learning Online Examination
31	Kailash pal	The fundamental of digital marketing	Google digital garage
32	Laveena Chetwani	Junior Manager Incoming Social Sector	AIESEC In India
33	Megh Shah	Artha-neeti	Online
34	KhushiKhandelwal	Tug of words war	Online on Google Meet
35	Uttam	Interactive Skills	Infosys Springboard
36	Sudhanshu Tiwari	Community Intern at crio	Virtual
37	Harsh sharma	7day workshop on basics of c/c++ data structure and algorithm	Online mode
38	Devansh Khanduja	Campus ambassador internship of NEO	Online mode
39	Prabal Jain	Flutter and Dart	Udemy
40	Meenal Sharma	Introduction to C++ course by SkillUP (by Simplilearn)	Online Mode
41	Prakash sirvi	Communicating to succeed	Infosys springboard
42	Rohit Kabra	Ethical Hacking course from nptel	Swayam online portal
43	Kavya Yadav	Mobile development Quiz	Itronix Solutions
44	Meenal Sharma	Introduction to C++ course by SkillUP (by Simplilearn)	Online mode
45	Prabal Jain	Learning Python for Machine learning	Udemy
46	Himanshu Patidar	Training programming in artificial intelligence	Mstems
47	Satyam	BlockChain Essentials by Cognitive Classes	Online
48	Hemant Goutam	Team Everest internship	Online
49	Ramawatar Bhambu	JavaScript for beginners	Skillup android app
50	Vansh Jakhetia	roadmap to GSOC	coding blocks
51	Sudhanshu Tiwari	Conducted a webinar for engineering students	Zoom
52	Ramawatar Bhambu	Busineee Analytics with Excel	SkillUP all
53	Manish Sharma	AI for all	Intel
54	kartikey garg	Intro To Graphic Design With Photoshop Special Mention in Women in Tech Group Discussion, Completed basics of Android Development through Kotlin ,	Great Learning
55	Charul Tongaria	Certified for 2 NPTEL courses	online





## Activities in the Department

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	4th National Level Student Technical Paper & Model Contest	Jan 21-22, 2022	Dr. Rekha Nair
2	Session on Critical Thinking and Problem Solving	Oct. 27-29, 2021	Mr. Dinesh Sharma
3	Workshop on OEM and ODM Development	July 17, 2021	Mr. Amitesh Kumar
4	Yoga as Exercise	Nov. 17-19, 2021	Mr. Vedanshu Vashistha
5	Language and Communication Skills Workshop	Nov. 10-13, 2021	Mr. Divya Joshi
6	A Webinar on "Intellectual Property Rights: Patent, Designs, Trademarks, Copyright and Geographical Indications"	Jan. 06, 2022	Mr. Shailendra Kasera
7	Seminar on Importance of Communication	Feb. 01, 2022	Mr. Prince Dawar
8	AADHAR 2021-22	Feb. 15, 2022	Dr. Sunil Kumar Gupta
9	Session on AIDS Awareness and Prevention	Dec. 01, 2021	Dr. Jyotsna Pareek
10	Seminar on Gender Issues	March 11, 2021	Dr. Mansi Mathur
11	Orientation Program	Oct. 26 to Nov. 27, 2021	Dr. Rekha Nair
12	International Women's Day	March 08, 2022	Ms. Kalpana Sharma
13	Session on Universal Human Values	Nov. 12 to 04 March, 2022	Mr. Kuldip Sharma
14	Session on Professional Ethics	Nov. 11, 2021	Dr. Sudhi Rajiv

### FRESHER'S PARTY (December 4, 2021) :

**"Fresher's Day"** in any college is an event which every student eagerly awaits from their time of admission. The main purpose of **"PRABHAV 2K21"** was to welcome new students in a friendly atmosphere and to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college. The 4th December, 2021 was a remarkable day in the life of First- and second-year Students at Poornima College of Engineering. **PRABHAV 2K21** was filled with excitement, joy, music, enthusiasm, laughter and happiness. Theme dress code for the Day fresher's party was **"Bollywood Retro"** and for the night DJ party the theme dress code was **"Hollywood Glamour"**. The celebration was started at sharp 1 PM at the PCE campus by our anchors Tripti Agrawal and Raj Singh Naruka with the warm welcome of all the dignitaries and the judges present in the function. This was followed by a beautiful poem by our anchors titled **"Ek Nayi Shuruaat"**. Events started with **"THE TALENT SHOW"** of participants of Mr. & Ms. Fresher of both 2nd and 1st year. Around 30 students (combinedly 1st and 2nd) were shortlisted for this round. Everyone participated and showed their unique talent in front of the amazing audience one by one. After this, an audience activity **"OPEN STAGE"** was held in which there were chances for the audience to showcase their talent.

Then participants of this great event came up with their unique ramp walk in pairs. There were about 30 participants in which 1 year came up with a solo Ramp walk and the second year was a pair Ramp walk. All of them were impressive in their own way. In the end, the last round for MR & MISS freshers was **"RAPID FIRE"** round in which some quick and crisp questions were asked to them. They introduced themselves one by one and then they gave quick and correct answers. All of them enjoyed it a lot. At the end of afternoon's event Ms. Aashika Chaturvedi, Chair, Students' Council, PCE proposed a vote of thanks and the anchors announced to join the DJ Night at 6:00 pm at Open Air Theatre (OAT). The evening function began with a floral welcome of Chief Guest **Mr. Ramavtar Singh Jakhar**, Chairperson, and Volleyball Federation of India & **Mr. Murari Chaturvedi**. The Lamp Lightning ceremony was done by Mr. Ramavtar Singh Jakhar, Chairperson, and Volleyball Federation of India & Mr. Murari Chaturvedi. Dr. Mahesh Bunde, Director, PCE, Ar. Rahul Singhi, Director, PG, Dr. Pankaj Dhemla, Vice-Principal, PCE, Dr. Rekha Nair, Dean, I Year, PCE, Dr. Neeraj Jain, Director (Admission), PCE, Mr. Ashwini Lata, Director (Student Welfare), PG, Ms. Dipti Lodha, Director (Corporate Relations), PCE which was followed by the motivational words of wisdom by the Director Ar. Rahul Singhi Sir. Then Chief Guest Mr. Ramavtar Singh Jakhar in his speech wished good luck to the students for their future.



## Workshops & Webinars

### WORKSHOP ON “PHYSICS CONCEPTS: SEEING IS BELIEVING”:

Department of Computer Engineering and Department of First year, Poornima College of Engineering, Jaipur organized a workshop on “Physics Concepts – Seeing is Believing” for their first-year students on 15 December, 2021. The workshop started with the welcome of the guest Prof. G. S. Menaria from Director and Principal Prof. (Dr.) Mahesh M. Bunde. As the name of the workshop “Physics Concepts – Seeing is Believing”, Prof. G. S. Menaria in his whole lecture followed the same and demonstrated many physics concepts practically with innovative instruments to explain topics like centrifugal force, Electromagnetic force, Light reflection, Gravity force, Faraday's Laws of Electromagnetic Induction and many more topics in the same innovative way. Dr. Rekha Nair, Dean first year department, Dr. Surendra Kumar Yadav Professor and Head of computer engineering department, workshop coordinator Mr. Manish Dubey, Deputy Head Computer Engineering department and workshop coordinator Mr. Manish Choubisa, Assistant Professor, Computer Engineering Department and student volunteers organized this workshop very efficiently. Around 250 students enhanced their knowledge in Physics through this workshop. The students actively participated in the event by interacting with experts and asking interesting questions on Physics. The Expert Lecture concluded at 12:55 PM, with a vote of thanks by Mr. Manish Dubey, Deputy Head Department of Computer Engineering.



### A WEBINAR ON “INTELLECTUAL PROPERTY RIGHTS: PATENT, DESIGNS, TRADEMARKS, COPYRIGHT AND GEOGRAPHICAL INDICATIONS”

The celebration of "Azadi Amrit Mahotsav" with the theme of ‘Creative India, Innovative India’ by the Government of India is being celebrated. Under this flagship NIPAM (A National Intellectual Property Awareness Mission) with its ambitious program is spreading awareness on intellectual property so that a more conducive environment of innovation and creativity can be established in the country. To inculcate the spirit of creativity and innovation among the students of higher education and ignite and inspire the students of college/Universities to innovate and protect their creations, a webinar on Intellectual Property Rights: Patent, Designs, Trademarks, Copyright and Geographical Indications was organized in online mode at Poornima College of Engineering, Jaipur on Thursday, 6th January, 2022. The webinar was attended by 138 participants where 244 registered for the same. The Guest Dr. D Usha Rao, Controller of Patents and Designs, Patent Office, Delhi, Dr. Mahesh Bunde, Director & Principal, PCE, Dr. Komal Choudhary, Examiner, Patent & Designs, Patent Office, Delhi, Dr. Manoj Balan, Examiner, Patent & Designs, Patent Office, Delhi, Mr. Pankaj Dhemla, Vice Principal, PCE, Dr. Rekha Nair, Dean, First Year, PCE and Mr. Shailendra Kasera, Head, First Year, PCE motivated the students and faculty members with their gracious presence on online platform. Dr. Mahesh Bunde, Director & Principal, PCE felicitated the Guests, with E-Memento. The speaker of the session Dr. Komal Choudhary, Examiner of Patent & Designs, NIPAM officer in Chemical Division, Patent office Delhi, CGPDTM Department for promotion of Industry and Internal Trade Ministry of Commerce & Industry, Govt. of India talked about different aspects related to patent such as-





- Property
- Property Rights
- Patent
- Necessity of Patents
- How to file a patent?
- How long does it take?

She emphasized on the importance of the role of a strong IPR ecosystem in the advancement of a country and how IPR is an important tool for the IP holder to become a "Job giver rather than job seeker". She motivated the audience to create an IP culture and to enhance knowledge & competencies in tune with the global environment. The session ended with the questions and queries of the audience where they satiate their minds with loads of knowledge.

## Technical Events

### TECHNOVATION-2021

Poornima College of Engineering, Jaipur and IEEE Student Chapter organized 2 days programme TECHNOVATION 2021: the 4th National Level Student Technical Paper and Model Contests on 21-22 January, 2022. It was organized in association with ASHRAE Rajasthan Chapter, ACM Student Chapter, ISTE, ISLE, and Poornima Innovation and Incubation Cell. With the aim of providing a platform to budding engineers, technocrats and research scholars for interaction and discussion on current thrust areas of various disciplines of engineering it has been organized by PCE every year.



On 21st January, 2022, the Inaugural Ceremony was graced by Padmashri Dr. D B Phatak, Emeritus Professor, Computer Science & Engineering, IIT Bombay as the Chief Guest. The programme started with Ganesh Vandana, Followed by the felicitation of the chief guest by Dr. Mahesh Bundeale, Director, Poornima College of Engineering. Thereafter a welcome address and overview of the programme was delivered by Dr. Rekha Nair, Convener, Technovation 2021. In her address, she emphasized on the need for research and highlighted the objective of Technovation 2021. She explained the competition of Technical Paper Presentation and Model Contests under 3 track chairs. This contest consists of oral presentation of selected quality papers and demonstration of models to showcase the original contributions and innovations of Undergraduate Students, Post Graduate Students and Doctoral Research Scholars from various institutions all over the nation. Ar. Rahul Singhi (Director, Poornima Group) replenished his divination on Poornima Group and wished the participants for their efforts and added the need to become tech-savvy as it is the need of the hour. Dr. Bundeale in his address said that an academicians should be research oriented as it makes one enthusiastic and passionate towards the profession. The Chief Guest Padmashri



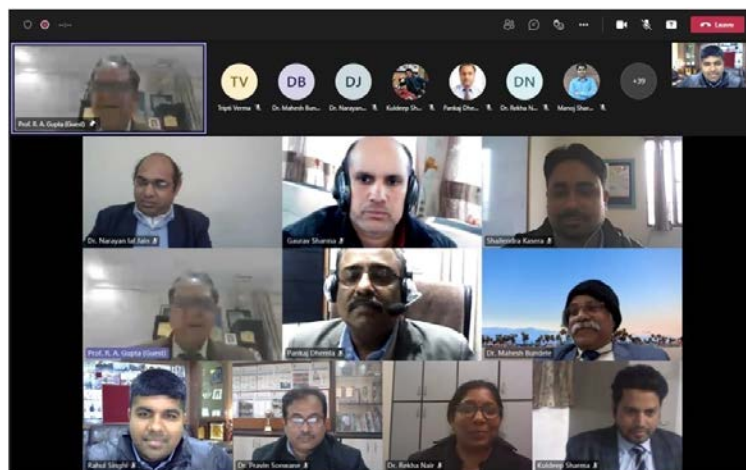


Dr. D B Phatak enchanted the audience with his research ideas and added that we should keep improving our communication skills, perform to the best of our abilities and also work hard, smart and focused. At the end, vote of thanks was proposed by Mr. Pankaj Dhemla (Vice-Principal, PCE).

After the inaugural ceremony, the sessions under 3 track chairs started which continued for 2 days. The participants from various institutions and universities all across the nation competed for Technical Paper Presentation and Model Contests.

The Valedictory Function of Technovation – a blend of technique and innovation was celebrated with great zest and brio on 22nd January 2022. It was graced by Prof. R. A. Gupta, Vice-Chancellor, Rajasthan Technical University, Kota as the Chief Guest. In his address, he motivated the participants for further innovation and appreciated Poornima College of Engineering for providing a platform to bring forth new innovations in the field of technology.

Dr. Pravin Sonwane, Track Chair, EE & EC, Technovation 2021, Dr. Narayan Lal Jain, Track Chair, CS & IT, Technovation 2021 and Dr. Pran Dadhich, Track Chair, CE & ME, Technovation 2021 read their reports and told that the overwhelming response of budding engineers, technocrats and research scholars took it to the new heights this year also. Mr. Rahul Singhi, Director, Poornima Group congratulated the winners and emphasized on the need of research and innovation. Dr. Mahesh Bunde, Director & Principal, PCE, in his address motivated the students for research and guided some paths for future research investments. He felicitated the winners with awards. Total 233 papers and 57 models competed for the first and second prize respectively. Cash prizes of INR 5100 and 3100 were awarded to the first and second prize winners of Technical Paper Presentation, whereas a cash prize of INR 4100 was awarded to the first prize winner of the model contest. At the end, vote of thanks was proposed by Mr. Pankaj Dhemla (Vice-Principal, PCE). The event parted the bid with the hope of meeting next year with more zeal, enthusiasm, research and innovation.







## Clubs @ First Year

### ZIRCON CLUB

Zircon Club is nurturing technical knowledge for students. The club focuses on enhancing technical skills, practical knowledge of science and technology of students along with team work, leadership and harmony. Club's motive is to establish a clear understanding of theoretical knowledge through transformation of the same into practical working prototypes.

#### Faculty Coordinator:

Mr. Sugreev Choudhary, Technical Assistant

**Activities under Club:** Non- Syllabus Projects, Aadhar- X



### LITERARY CLUB

The Objectives of the club includes exposure to new vocabulary. To enhance public speaking skills and to improve communication skills. To develop learning, speaking, reading and writing (LSRW) skills, Getting rid of stage fear and developing self-confidence, and Enhancing creative skills and overall personality.

#### Faculty Coordinator:

Dr. Kuldeep Sharma, Assistant Professor

#### Activities under Club:

- **Poster Competition**

The Department of First-year organized Poster Competition on the occasion of National Science Day on 28 February, 2022. Ms. Kalpana Sharma, Assistant Professor coordinated the activity. The competition invited all the students of Poornima College of Engineering to participate in the competition through a google form. The students were required to upload the posters on the form. The theme for the poster competition was 'Innovations of the 21st Century'.

The celebration of this special day aimed at commemorating the contribution of Shree C.V. Raman Sir, who was bestowed with the Nobel prize in Science in 1930 for discovering the 'Raman Effect'. Therefore the day is very significant for the people of India. The Poster completion enabled the students to know about the latest development in the area of science and technology. The competition was judged by Mr. Dhananjay Kumar, Assistant Professor, PCE. Meena Ashwini, Student, II year, Department of Electronics and Communication Engineering, PCE, was declared winner for the competition. Following participants received consolation prizes: Parthvi Mathur, II year student, Aparna, II year student, ECE,,Ritesh, student,I year, PCE.





- **PPT Presentation Competition:** In today's competitive scenario the Engineers are expected to be innovative and communicate effectively to diverse audiences. To emphasize the value of an ability to deliver clear, concise and effective oral presentations, particularly pertaining to some sphere in which an engineer is or should be involved, a PPT Presentation Competition was organized for the students of B.Tech. I year on 25th February, 2022. Ms. Tripti Verma, Assistant Professor



coordinated the event. The students presented their analysis and opinion on the topic, 'Video Games and Its Impact on Cognitive Skills' or 'How Social Media Lowers Self-esteem'. Prof. Rekha Nair (Dean, Dept. of First Year) appreciated the spirits of the students and motivated them to continuously take up such opportunities that would help them in becoming more rational, logical and improve their presentation skills. Ms. Charul Tongaria and Ms. Arya Sethi were the winners of the competition.

- **Daily News:** It is one of the efforts for students to inform about the events that are around them and to make them feel connected too. In this, Daily news related to science, sports, entertainment, commerce & trade and an inspirational quote has been written on the board. This inculcates and also enhances reading habits in students. Ms. Tripti Verma, Assistant Professor is the coordinator for the same.
- **Creative Corner:** A wall magazine is the concept prevalent in the department of First year to provide a platform to the creativity of the students. Young minds showcase their diverse creative skills through artistic sketches, paintings, poems, quotes and articles. In order to provide the opportunity to display their skills, talent, the corner is updated every fortnight.

**Faculty Coordinator:** Ms. Nikita Gautam, Assistant Professor, Ms. Tripti Verma, Assistant Professor

## ISTE CLUB

ISTE (Indian Society for Technical Education) club works for providing quality technical training programs to the students to update their knowledge and skills and to assist them in becoming top quality professional engineers and technicians needed by the industry and other organizations.

### Faculty Coordinator:

Dr. Peeyush Vats, Associate Professor

### Activities under Club:

- Technovation,
- Aadhar- X







## WISE @ First Year

WISE (Women in Science and Engineering) formally aims to provide a safe teaching and working experience in the campus of PCE, rules for prevention and redressal of ragging/ harassment and to strengthen the technological scenario. As women are the foundation of every society they need strength & a strong identity to build a strong society for which WISE was established. Various social programs like visits to hospitals, slum houses, and orphanages, etc are organized at regular intervals under WISE. Its vision is to improve the status of women in our society and to make them aware of their rights and mission is to evolve and develop skill based systems in PCE showcasing different activities to groom women's overall personality.



### Faculty Coordinator:

Dr. Meena Tekriwal, Assistant Professor

### Activity under Club: Interactive Session

An interactive session was organized by WISE on 16/12/2021 for female students of First year where they interacted with the female teachers and got to know about WISE, its working and motto.







## Social & Human Values Activity

### A Visit to PAATHSHALANGO

Poornima College of Engineering organized an interactive visit to Paathshala Trust for its first year students on March, 4th, 2022. The visit was planned under the curriculum of Human Values activities and sports lab.

Education is not just about holding a degree. It is all about to evolve the capacity of human intelligence so that they can be socially answerable and can be a part of a nation's development. Incultation of human values augment academic achievement along with infusing social and relationship skills that helps in making the overall personality of a student. Human values help a person to perceive the world in a wider perspective and to make the perspective of our students wider. Being kind and having an attitude of gratitude are the most important key values and to show the thankfulness to God, helping its other creatures which are under privileged is the kindest gesture.

All the Poornimites, fully dedicated and responsible towards society, met with the children, distributed clothes, toys, biscuits and stationary items to the kids of Paathshala. Mr. Om Prakash Gurjar, is the caretaker of Pathshala NGO, who is the winner of International Child Peace 2006, acting as a guardian and working in the area to uplift underprivileged children who are deprived of their fundamental right to education. Students of Poornima College of Engineering along with the faculty members of first year Ms. Kalpana Sharma, Ms. Tripti Verma and Mr. Gunjan Dandotiya organized several activities for the children. Children studying in Class 1 to 5 were engaged in Art and sports (Music, Drawing, games etc.) and for Class 6 & above studied Vedic Math and simple computer applications. Poornimaites created the best fit to their skills with NGO students' interests and played games, danced, and enjoyed with these children to put a smile on their faces. The day was well spent and utilized by all.







## DEPARTMENT OF COMPUTER ENGINEERING

### VISION

Evolve as a center of excellence with wider recognition and to adapt the rapid innovation in Computer Engineering.

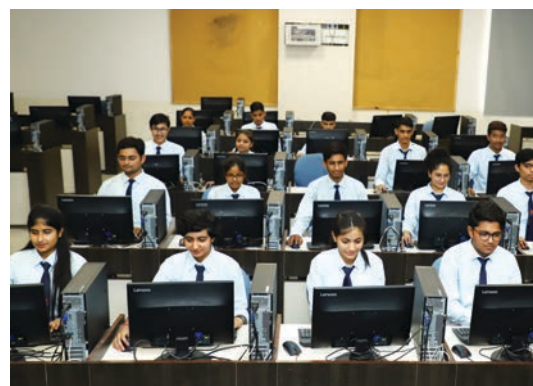
### MISSION

- To provide a learning-centered environment that will enable students and faculty members to achieve their goals empowering them to compete globally for the most desirable careers in academia and industry.
- To contribute significantly to the research and the discovery of new arenas of knowledge and methods in the rapid developing field of Computer Engineering.
- To support society through participation and transfer of advanced technology from one sector to another.

### ABOUT THE DEPARTMENT

The Department of CSE was established in July 2000. It administers bachelor's programs in Computer Engineering, as well as master's degree programs in Computer Science and Engineering. The department is accredited by National Board of Accreditation (NBA) for quality and outcome based education and strengths include its high faculty-to-student ratio, state of the art facilities, renowned faculty, and strong focus on undergraduate education balanced with leading-edge research, and emphasis on leadership, service and ethics. It aims at imparting quality education and strives to quench the thirst for knowledge and its emphasis on theoretical and practical aspects of subjects taught viz. Computer Technologies, DS, Machine Learning, AI, Information Security, Programming Languages, Networking, Database Management, OS.

The curriculum inculcates industrial summer training after I, II, and III year which enables students to get acquainted with work culture and in turn help them groom themselves. International conferences, Symposiums, workshops, and seminars of national and international levels are organized by departments in close liaison with renowned professional societies such as TEQIP, IEEE, CSI, IEI, ISTE, and ACM-W etc. Moreover, experts with hands-on experience regularly share their domain knowledge with the department. Most of the students passed out are well placed or have opted for higher studies. Top IT companies like Infosys, TCS, Capgemini, and IBM are major recruiters. The department focuses on development and strengthening systems thinking, problem solving, analysis, design, research, team work, communication skills, and readiness for lifelong learning in areas of AI, Machine Learning, Deep Learning, Cloud Computing, Business Intelligence and Internet of Things.





## PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- Graduates will work productively as skillful engineers playing the leading roles in multifaceted teams.
- Graduates will identify the solutions for challenging issues inspiring the upcoming generations leading them towards innovative, creative, and sophisticated technologies.
- Graduates will implement their pioneering ideas practically to create products and the feasible solutions of research-oriented problems

## PROGRAM OUTCOMES (PO's)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## PROGRAM SPECIFIC OUTCOMES (PSO)

- The ability to understand and apply knowledge of mathematics, system analysis & design, Data Modeling, Cloud Technology, and latest tools to develop computer-based solutions in the areas of system software, Multimedia, Web Applications, Big data analytics, IOT, Business Intelligence and Networking systems.
- The ability to understand the evolutionary changes in computing, apply standards and ethical practices in project development using latest tools & Technologies to solve societal problems and meet the challenges of the future.
- The ability to employ modern computing tools and platforms to be an entrepreneur, lifelong learning and higher studies.





## MESSAGE FROM HEAD OF DEPARTMENT

I am very pleased to offer my warmest regards to the readers of College Magazine. The department's major force is a team of well-qualified and dedicated faculty members that permanently support students for their academic excellence and instill a spirit of Team-Work in them. It is our major responsibility to keep our students committed not only to technical education but also to their self-Reflection and Critical Thinking.

The department boasts excellent IT infrastructure and facilities and offers an environment conducive to the promotion of academic excellence and research. We signed up the MOU with the Professional Industries as Automation Anywhere, IBM, Infosys, Red hat Academy, Celebal Tech, RAPIDOPS, Teampreneur, and Coding Ninjas in fostering the excellence of academic and technical competence within the department. For research and development purposes, we have established a Center of Excellence in Artificial Intelligence and Big Data. We also inspired students to take a variety of courses offered by NPTEL, Swayam, Microsoft, Coursera, etc. and already many students are certified. We are pleased with the lengthy and sustained placement records of our Bachelorette Students in different multinational software industries and government sectors.

I firmly believe that the department's students would justify the department's credibility by demonstrating a high level of professional competence. I wish that success keeps following you in everything that you do. Dream new dreams, embark on who you are, embrace life with passion, and keep reaching for the stars. Shine on and go for it!

“Jai Jai Poornima Sansthan”



Dr. Surendra Kumar Yadav

## ACTIVITIES HELD IN THE DEPARTMENT

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Training on Microsoft Team	September 27, 2021	Mr. Sumit Kumar
2	Expert Lecture on workshop on A Fast Guide on Writing LaTeX	October 4, 2021	Mr. Pushpendra Mudgal Mr. Vikram Khandelwal
3	Expert Lecture on Human Values and Ethics	October 11, 2021	Mr. Vishal Choudhary Mr. Pawan Patidar
4	Expert Lecture on Soft Skill for Corporate World	October 19, 2021	Dr. Neelam Chaplot Ms. Neha Shrotiya
5	Training on Google Meet Use	November 2, 2021	Ms. Nikita Jain Ms. Reena Sharma
6	Workshop on Turnitin	November 8, 2021	Mr. Arvind Singh Rajpoot Mr. Jay Prakash Singh
7	Teacher's Day Celebration	September 5, 2021	Dr. Shalini Puri
8	Expert talk on A Vision Towards Optimization of Ontological Cloud Computing World	July 17, 2021	Dr. Surendra Kr. Yadav Ms. Archika jain
9	Teacher's Day Celebration	September 6, 2021	Ms. Neha Shrotiya Mr. Manish Dubey
10	Expert talk on Objects and Human Faces detection using Machine Learning	September 11, 2021	Dr. Surendra Kr. Yadav Mr. Amitesh Kumar
11	Engineer's Day Celebration	September 15, 2021	Dr. Neelam Chaplot
12	STTP report on Cloud Infra and Blockchain	November 15 -19, 2021	Mr. Vishal Choudhary



S.No.	Full Name of the Activity	Date	Coordinator of Activity
13	ICRAIE 2021	December 1-3, 2021	Dr. Mahesh Bunde Mr. Sanjay Kumar Gupta
14	Expert Lecture on Physics Concepts: Seeing is Believing	December 15, 2021	Dr. Neelam Chaplot Ms. Neha Shrotiya
15	Expert Lecture on "Cloud Computing and Innovation"	December 23, 2021	Ms. Neha Shrotiya Ms. Reena Sharma
16	Expert Lecture on Soft Skill for Corporate World	February 8, 2022	Dr. Neelam Chaplot Ms. Neha Shrotiya
17	Training on Microsoft Team	February 15, 2022	Dr. Madanlal Saini Mr. Nimish Arvind
18	Workshop on Microsoft Publisher	February 22, 2022	Mr. Sumit Kumar Ms. Archana Soni
19	workshop on A Fast Guide on Writing LaTeX	April 2, 2022	Dr. Mithlesh Arya Mr. Bhanu Parashar
20	Expert Lecture on Growth Mindset v/s Fixed Mindset	February 11, 2022	Dr. Shiv Agarwal Ms. Reema Rani
21	Female Health Awareness Day	February 11, 2022	Dr. Ajay Kumar Khunteta Mr. Shirish Mohan Dubey
22	International Women's Day Celebration	March 8, 2022	Ms. Archana Bhardwaj Mr. Suresh Vyas
23	Industrial Visit to Bhamashah Techno hub	April 21, 2022	Mr. Gaurav Sharma Mr. Deepak Baberwal
24	Hands on session on Programming with Python	February 15, 2022	Ms. Archana Soni Dr. Mithlesh Arya
25	Recent Trends of AI with ML	February 3, 2022	Dr. Madan Lal Saini Mr. Nimish Arvind
26	Security and Thrust in Internet of Things	February 4, 2022	Mr. Ravi Kumar Mr. Bhanu Parashar
27	Growth Mindset Vs. Fixed Mindset	February 11, 2022	Dr. Shiv Agarwal Ms. Reema Rani
28	Hands on session on Programming with Python	February 15, 2022	Dr. Geeta Gandhi Dr. Sunil Gupta
29	Cryptography & Network Security Concepts	February 23, 2022	Ms. Renuka Jain Mr. Sanjay Kumar Gupta
30	Alumni Interaction	February 24, 2022	Mr. Ghanshyam Singh Mr. Sumit Kumar
31	Mini SIH , 2022	March 5, 2022	Mr. Amitesh Kumar Mr. Pushpendra Mudgal
32	Alumni Interaction Build your Image online & offline	March 11, 2022	Mr. Ghanshyam Singh Mr. Vikram Khandelwal
33	Placement Guidance	March 12, 2022	Dr. Veena Yadav Mr. Vishal Choudhary
34	The Hello World of Machine Learning : Hands on	April 6 -7, 2022	Ms. Archika Jain Mr. Pawan Patidar





## Workshop on “Physics Concepts: Seeing is Believing” December 15, 2021

This workshop enriched subject knowledge of the first-year students about basic fundamentals of physics and general laws with the help of experiment learning. The workshop started with the welcome of the guest Prof. G. S. Menaria from Director and Principal Prof. (Dr.) Mahesh M. Bundele. As the name of the workshop “Physics Concepts – Seeing is Believing”, Prof. G. S. Menaria in his whole lecture followed the same and demonstrated many physics concepts practically with innovative instruments to explain topics like centrifugal force, Electromagnetic force, Light reflection, Gravity force, Faraday's Laws of Electromagnetic Induction and many more topics in the same innovative way.



## Expert Lecture on “Cloud Computing and Innovation” on December 23, 2021

The main objective of this Expert Session was to provide an exposure to students about Advances in Cloud Computing and Innovations taking place in world and also to understand the role of cloud computing in innovations through interaction with Mr. Akhilesh Laddha, Vice President, Tech Mahindra, USA. During his talk, Mr. Laddha, shared his journey with cloud computing and how it helped him throughout his career leading him to become the vice president. All the obstacles he faced, his achievements, his goals all were told by him patiently. He also mentioned how this technology is helping people throughout the world in their startups and what is the future in this industry. He talked about various startups using this technology namely, OLA and SWIGGY and how they manage such an enormous number of users on their server.



## Expert Talk on “Recent Trends of AI with ML” on Feb 3, 2022

The main objective of this Expert Session was to provide an exposure to students about Advances in AI applications and Innovations taking place in world and also to understand the role of ML in innovations through interaction with Ms. Pinky Budania, R&D Engineer, Amelia Global Services private limited.

**POORNIMA COLLEGE OF ENGINEERING**  
Affiliated to PCTE, Kalyan - Approved by AICTE & UGC under 201 - Accredited by NBA

**Expert Talk on  
RECENT TRENDS OF  
AI WITH ML**

Organized by:  
Department of Computer Engineering

**Thursday, February 03, 2022**  
**TIME 09:30 AM to 10:30 AM**

Virtual platform: Microsoft teams

RSVP:  
Prof. (Dr.) Surendra Kumar Yadav  
Head of Department, CSE, PCE

Coordinator:  
Ms. Neha Shrotriya  
neha.shrotriya@poornima.org  
 ☎ : +91-7357733397

**Ms. Pinky Budania**  
 (M.Tech., IISc, Bangalore)  
 R&D ENGINEER  
 Amelia Global Services  
 Private Limited





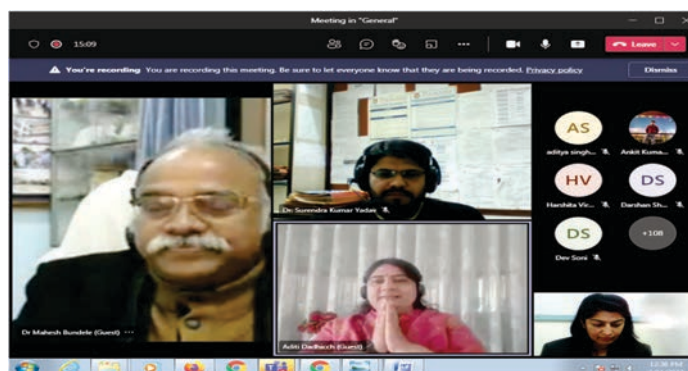
## Expert Lecture on “Security and Thrust in Internet of Things” on February 4, 2022

The main objective of this Expert Session was to provide an exposure to students about Advances in Internet of Things and Innovations taking place in world and also to understand the role of IoT in innovations through interaction with Dr. Avani Sharma, Assistant Professor, Manipal University, Jaipur. During her talk, Dr. Avani , shared her journey with IoT and how it helped her throughout his career leading him to become a good researcher. She also mentioned that how this technology is helping people throughout the world in their startups and what is the future in this industry. During the program many students asked various questions and query and all were addressed well by the expert. The session was very nice and informative and we are all looking forward for the positive outcomes of the learning and evolutionary new era of education for the younger generation.

**Dr. Avani Sharma**  
Assistant Professor, Manipal University

## Expert Lecture on “Growth Mindset vs Fixed Mindset” on February 11, 2022

The main objective of this Expert Session was to provide guidance to the students on how to achieve goals. When one has the growth mindset, one can achieve the goals. The session expert was Ms. Aditi B. Dadhicch, Leadership and Life Coach, Managing Director, Treuli Felt, A Training and Development Firm. During her talk, Ms. Aditi Dadhicch mentioned that contrary to your common sense and belief, one’s attitude is more important than one’s intelligence. There are two core mindsets that determine one's attitude - fixed and growth. If one has a fixed mindset, one is likely to believe that one cannot grow intellectually and will remain limited by failure. The real problem arises when one is faced with a challenging scenario that appears to be more than one can handle, one is bound to feel hopeless and overwhelmed.



## Hands-on session On “Programming with Python” on Feb15, 2022

The main objective of this Expert Session was to provide an exposure to students about Python and its applications and Innovations taking place in world and also to understand the role of Python in innovations through interaction with Mr. Gajendra Badra. As the productivity improvement and return on investment on Software becoming the growing focus, this program is pinpointed to deliver adequate Skill education with screwing up the design sense and trigger out the knowledge from the out of the box to the students and professionals to reconnoiter and worth all the features available with the software in their day-to-day work environment.







### Expert Lecture On “Cryptography & Network Security Concepts” Feb 23, 2022

The aim of this expert lecture is to introduce the student to the areas of cryptography and cryptanalysis. This expert lecture develops a basic understanding of the algorithms used to protect users online and to understand some of the design choices behind these algorithms. The expert Mr. Jai Bhaskar is Assistant Professor in University College of Engineering & Technology, Bikaner with more than 10 years of experience.

### Alumni Interaction on Technical, Communication and life skills on February 24, 2022

Mr. Nitin Pamnani is an alumnus of Department of Computer Engineering, Poornima College of Engineering. He has been an all rounder student of Batch 2012-2016 in the Computer Engineering Department of Poornima College of Engineering. Mr. Nitin Pamnani started with how to adjust in different stages of life. He advised how to manage workload to manage time and stress. He also mentioned the importance of communication in the growth of work life. He took himself as an example and explained how he dealt with failure during switching between companies. He took examples of when he was trying to get a job in Microsoft and where he made mistakes and also shared his experience with students related to preparation for technical giants. He gave suggestions to students on how to make their technical knowledge sound, what are the latest skills on demand and some online options to enhance them to the current scenario of global requirements.

### Mini Smart India Hackathon on March 5, 2022

Poornima Innovation and Incubation Cell (PIIC) in collaboration with DST NIMAT Project organized its first mini SIH at college level (or the internal hackathon) on 5th March 2022. In the hackathon, there were 21 teams from all the years and the total number of students participated were 121. All the participants were told to prepare a presentation on the problem statement to be chosen from the SIG 2022 website and were given 10 minutes to present it wherein 7 minutes were for actual presentation and 3 minutes were for doubts and queries and questions from judges.

### Workshop on “The Hello World of Machine Learning: Hands-on” April 6-7, 2022

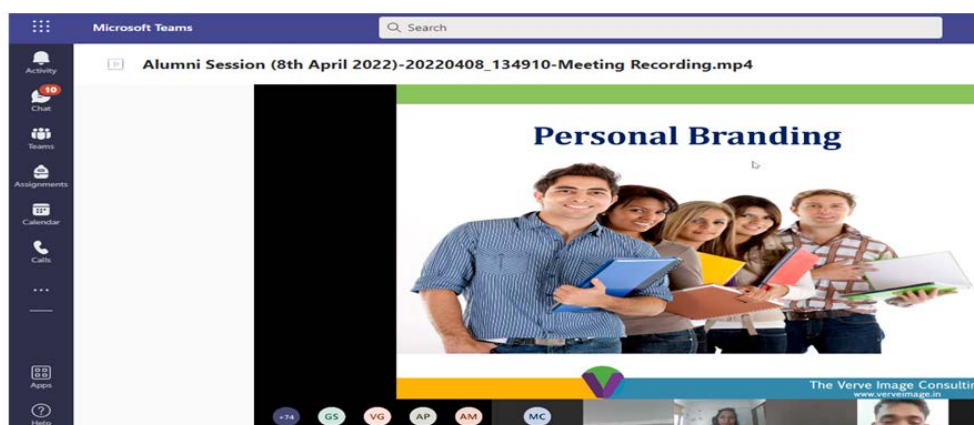
The Department of Computer Engineering, Poornima College of Engineering, Jaipur organized a Workshop on “The Hello World of Machine Learning: Hands-on” at 6 to 7 April for Smart India Hackathon participants. The aim of this workshop to introduces the problem-solving skill for the participation in hackathon event and general introduction to Machine Learning methods for real life problem solution. It covers an overview of machine learning algorithms and their applications. The training comprises a series of lectures and practical exercises.





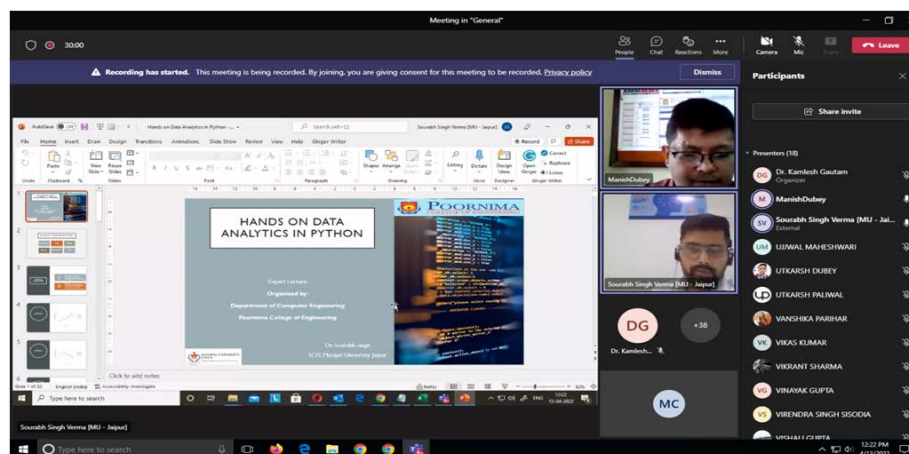
## Alumni Interaction On “Build your image online & offline” on Friday, April 08, 2022

Ms. Akansha Agrawal is an alumna of Department of Computer Engineering. She has been an all-rounder student of Batch 2001-2005 in Computer Engineering Department of Poornima College of Engineering. Akanksha Agrawal is a Software Engineer turned Image & Etiquette Coach with over 15 years of industry experience. She is a LIMCA Book of Records holder and has been featured in FEMINA, Pune Mirror, Sakal Times for her distinguished work.



## Expert Lecture on “Hands on Data Analytics in Python” April 13, 2022

This Expert Lecture's main objective was to provide students with exposure to data analytics in Python and Innovations taking place in the world. So that students may understand the role of Data Analytics in Python for innovations through interaction with Dr Sourabh Singh Verma. As the productivity improvement and return on investment for Software become the growing focus, this program is pinpointed to deliver adequate Skill education without screwing up the design sense and trigger out the knowledge from the out of the box to the students and professionals to reconnoiter and worth all the features available with the software in their day-to-day work environment.



## Entrepreneurship Awareness Camp (EAC-5) session On “Innovation: A Key for Successful Entrepreneur” on April 19-21, 2022

To start with the Fifth activity of Entrepreneurship Awareness Camp, on behalf of Department of Computer Engineering, organized a three-Day offline session on “Innovation: A Key for Successful Entrepreneur” from April 19th, 2022 to April 21st, 2022. The camp of 3 days duration is being conducted with the aim of creating awareness among students about various facets of Entrepreneurship as a career option. In each entrepreneurship awareness camp (EAC), students will be exposed to different aspects of Entrepreneurship, including opportunity guidance, services offered by support agencies etc. A visit to the industries located in the area is also being arranged to bring the students in direct touch with existing entrepreneurs.





### Industrial Visit to Bhamashah Techno hub for third year students

An industrial visit was organized to Bhamashah Techno hub, Sansthan Path, Jhalana Gram, Malviya Nagar, Jaipur by the Computer Science department, PCE, Jaipur on April 21, 2022. Country's largest startup incubation hub in Jaipur having 700-seat capacity went live on Thursday lending a major fillip to entrepreneurial ecosystem in Rajasthan. Built in 15 months with an investment of about Rs 72 crore, the 7-story Bhamashah Techno hub provides startups free use of its plug-and-play workstations, conference facilities, cafeteria, tinkering labs, gym etc. The incubation center will not charge any kind of fee from startups as well as entrepreneurs and will provide free facilities unlike T-Hub in Hyderabad which charges a fee for different facilities. It is bigger than the biggest T-Hubs operational in India.



### Workshop On Penetration Testing Monday, May16, 2022

Department of Computer Engineering, Poornima College of Engineering hosted a workshop on May16, 2022 from 8:30 AM to 11:30 AM on "Penetration Testing". Expert Ms. Ruchika opened the session by stressing the importance of penetration in personal life as well as in corporate life. Ms. Ruchika then explained to the students about technicality related to different standards of IT as Development types and network/hardware final product requirements. After that she turned towards the core topic of the workshop and explained to the students about cybercrime. She also described in detail about broken window theory in cybercrime, ethical and unethical hacking, Denial of Service attack (DoS), software piracy, IRC crimes, credit card skimming, phishing etc relevant topics of cybercrimes.





## FACULTY ACHIEVEMENTS

### DR. SURENDRA KUMAR YADAV

- Published Paper entitled “Predictive Hybrid Approach Method to Detect Heart Disease” in the journal of Mathematical Statistician and Engineering Applications Published by: Philippine Peso Scopus Index in Jan 2022.
- Published Paper entitled “Hybrid Software Development Model Outcomes for In-House IT Team in the Manufacturing” in the journal of International Journal of Information Technology Insights & Transformations (Eureka Journals).
- Presented a Paper entitled “Handwritten Character Segmentation in Various Epochs” in the International Conference on Advanced Materials in Innovative Technology (AMITY-2022).
- Presented paper entitled “Comparative Analysis for the prediction of various lungs diseases through chest X-ray images” in the International Convention on Green Environment, Technology & Entrepreneurship through Innovation (ICEGATE-2022) held at Amity University, Jaipur, Rajasthan
- Presented paper entitled “Comparison of NITI Aayog Responsible AI Framework with Global AI Ethics Frameworks (US/ UK/ China/Europe/ Africa) and its implications on Image Recognition Softwares Development, Deployment and Citizen Concerns” in the AICTE Sponsored IMS Ghaziabad International Conference on Technology, Social, Economic Innovations Through Artificial Intelligence, Data Science, Cyber Security.
- Attended AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "IoT & Cyber Security" Organized by Institute of Engineering & Management.
- Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Artificial Intelligence and Geospatial Technology In Surveillance For Infectious Disease" Organized by KCG College of Technology.
- Attended in Six Day AICTE recognized Short Term Course on Digital Media Tools for Effective Teaching Learning through ICT conducted by Electronics and Communication Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh Ministry of Education, Government Of India.
- Worked as a reviewer for “International Convention on Green Environment, Technology & Entrepreneurship through innovation” held at Amity University, Rajasthan.
- Worked as a reviewer for “International Conference on Intelligent Systems and Computing (ICISC 2022)” of Poornima College of Engineering, Jaipur held from 6 to 7 May 2022.
- Chaired a session in “International Convention on Green Environment, Technology & Entrepreneurship through innovation” held at Amity University, Rajasthan.
- Microsoft Certified as an Azure AI Fundamentals
- NPTEL certificate awarded with the titles ‘Elite Silver’ from IIT Bombay.
- Participated in AI for ALL program and Awarded by AI Appreciate Badge and AI Aware Badge from Digital India program, Govt. of India organized by Central Board of Secondary Education (CBSE).

### GHANSHYAM SINGH

- Published SCIENCE Paper entitled “A cross-layer based optimized feature selection scheme for intrusion detection in wireless sensor network” in the Journal of Intelligent and Fuzzy Systems Published by: IOS Press.
- UGC-NET qualified for Assistant Professor on 19/02/2022.





### MANISH DUBEY

- Published paper entitled “Financial Models for Indian Stock Prices Prediction Using LSTM and Bi-Directional LSTM Model” in the journal of IITM Journal of Management and IT Published in Dec 2021.
- Presented paper entitled “Comparative Analysis for the prediction of various lungs diseases through chest X-ray images” in the International Convention on Green Environment, Technology & Entrepreneurship through Innovation (ICEGATE-2022) held at Amity University, Jaipur, Rajasthan
- Presented a paper entitled “Handwritten Character Segmentation in Various Epochs” in the International Conference on Advanced Materials in Innovative Technology (AMITY-2022).
- Published paper entitled “A Review of Linguistic Recognition using Machine Learning” in Technovation-2021 Proceedings – ISBN No.—978-93-5593-541-0
- Attended AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "IoT & Cyber Security" Organized by Institute of Engineering & Management.
- Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Artificial Intelligence and Geospatial Technology In Surveillance For Infectious Disease" Organized by KCG College of Technology.
- Attended Five Day Faculty Development Programme on “NBA Accreditation and Teaching-Learning Process in Engineering” Organized by SKIT.
- Attended Program entitled AZ-900: Microsoft Azure Fundamentals organized by Microsoft and further sponsored by the Association of Indian Universities (AIU).
- Attended in Six Day AICTE recognized Short Term Course on Digital Media Tools for Effective Teaching Learning through ICT conducted by Electronics and Communication Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh Ministry Of Education, Government Of India
- Worked as a reviewer for “International Conference on Intelligent Systems and Computing (ICISC 2022)” of Poornima College of Engineering, Jaipur held from 6 to 7 May 2022.
- Microsoft Certified as an Azure AI Fundamentals
- NPTEL certificate awarded from IIT Bombay.
- Participated in AI for ALL program and Awarded by AI Appreciate Badge and AI Aware Badge from Digital India program, Govt. of India organized by Central Board of Secondary Education (CBSE).

### DR. NIKITA JAIN

- Complete the Ph.D. degree in 2021.
- Attended FDP on Internet of Things from 13.09.2021 to 17.9.2021 from Atal Academy
- Attended an ATAL FDP on Introduction to software robots and automation from 7.6.2021 to 11.6.2021 from Bharathiar Govt Womens Polytechnic College.
- Attended the FDP from 2021-1-4 to 2021-1-8 at Swami Keshvanand Institute of Technology, Management & Gramothan from Atal Academy.
- Publish a Book Chapter on Analysis of Medical Images using Machine Learning Techniques, with Taylor and Francis group, 2022
- Publish a Paper on A Comparative Study On Face Recognition Using Deep Learning with Taylor and Francis Group, 2022.
- Publish a paper in International Journal on Wireless, Networking and Mobile Communication Innovations titled Vehicle to any communication using Virtual Cell, 2022.
- Microsoft Certified as an Azure AI Fundamentals 2021
- NPTEL certificate awarded for effective teaching 2022



### DR. MITHLESH ARYA

- Guest Speaker in FDP organized by Anand International College of Engineering, Jaipur on “Recent Trends in Artificial Intelligence”.
- Expert Talk on “AI and Its Future” at Dr. BhimRao Ambedkar Polytechnic College, Gwalior.
- Session Chair in ICETCE-2022, organized by SKIT, Jaipur.
- Session Chair in CINTSA 2022, organized by JECRC, Jaipur.
- Reviewer in “Hindawi” and “Computer in Biology & Medicine, Elsevier”.
- Reviewer in ICCSEA 2022 at GIET University, Odisha.
- Paper entitled “Machine Vision Techniques towards Cervical Cancer Screening using Pap-smear Images: A Comprehensive Survey, Approaches, and Future Perspectives” communicated in SCI Journal Evolving System, Springer.
- AICTE ATAL 5 days FDP on "Computer Genomics Tools for Next Generation Sequencing and Biomedical Data Analysis" from 07/03/2022 to 11/03/2022 at Bharathiar University.
- Attend 3 days of Microsoft Certified FDP on Azure AI Fundamentals.

### SONAM GOUR

- Published Paper entitled “Enhanced Performance of Metamaterials Loaded Substrate Integrated Waveguide Antenna For Multiband Application” in the 2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC)
- Presented Paper entitled “Shorted Pin Reconfigurable Patch Antenna For Cognitive Radio And Wireless Communication Applications” in the 3rd International Online Conference on Emerging Trends in Multidisciplinary Research (EMDR- 2022)
- Presented Paper “Conical Shaped Frequency Reconfigurable Antenna using Defected Ground Structure for Cognitive Radio Applications” in the international conference on advanced computing and communication system ICACCS 2022 at Sri Eshwar College of Engineering, Coimbatore Tamilnadu.
- Published Paper entitled “Octagonal Shaped Annular Ring Pattern Reconfigurable Antenna Designs for Cognitive Radio Application” in the journal WSEAS Transactions on Communications, May 2022.
- Write a book chapter entitled “Design and Analysis of an On-Body Microstrip Patch Antenna for Biomedical Application” in the book Multifunctional MIMO Antennas: Fundamentals and Application in the book Real time application of CPS published by Scrivener Publishing.
- Attended Workshop on “Sensors based Innovations and Start-ups- Opportunities and Challenges” for 2 days organized by IEEE Sensors Council.
- Attended ATAL Sponsored FDP on “Electric Vehicle: challenges in charging and their impact on power grid” organized by College Of Engineering Thalassery.
- Attended a workshop of five days on “Flexible Hybrid Electronics- Manufacturing Process and application” organized by KL University, Andhra Pradesh.
- Attended a Faculty Training Program “L4 series talk on Surface Electromagnetics: Physics Exploration and engineering application” organized by IEEE MTTTS Kerala.
- Microsoft Certified as an Azure AI Fundamentals
- NPTEL certificate awarded.





## MANISH CHOUBISA

- Published Paper entitled “Predictive Hybrid Approach Method to Detect Heart Disease” in the journal of Mathematical Statistician and Engineering Applications Published by: Philippine Peso Scopus Index in Jan 2022.
- Published Paper entitled “A Simple and Robust Approach of Random Forest for Intrusion Detection System” in the IEEE International Conference on IoT and Blockchain Technology (ICIBT-2022) at Birla Institute of Technology Mesra, Ranchi.
- Published Paper entitled “Financial Models for Indian Stock Prices Prediction Using LSTM and Bi-Directional LSTM Model ” in the journal of IITM Journal of Management and IT Published in Dec 2021.
- Published Paper entitled “Background Intelligence for Games: A Survey ” in the journal of Global Journal on Innovation, Opportunities and Challenges in AI and Machine Learning in May 2022.
- Presented a Paper entitled “Handwritten Character Segmentation in Various Epochs” in the International Conference on Advanced Materials in Innovative Technology (AMITY-2022).
- Write a book chapter entitled “Crop Protection Using Cyber Physical Systems and Machine Learning for Smart Agriculture” in the book Real-Time Applications of Machine Learning in Cyber-Physical Systems published by IGI Global publisher.
- Attended AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "IoT & Cyber Security" Organized by Institute of Engineering & Management.
- Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Artificial Intelligence And Geospatial Technology In Surveillance For Infectious Disease" Organized by KCG College of Technology.
- Attended Five Day Faculty Development Programme on “NBA Accreditation and Teaching-Learning Process in Engineering” Organized by SKIT.
- Attended in Six Day AICTE recognized Short Term Course on Digital Media Tools for Effective Teaching Learning through ICT conducted by Electronics and Communication Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh Ministry Of Education, Government of India.
- Participating in India International Science Festival organized by the Ministry of Earth Science, Ministry of Science & Technology and Vijnana Bharti.
- Worked as a reviewer in IEEE World Conference on Applied Intelligence and Computing.
- Attended Program entitled AZ-900: Microsoft Azure Fundamentals organized by Microsoft and further sponsored by the Association of Indian Universities (AIU).
- Participated in AI for ALL program and Awarded by AI Appreciate Badge and AI Aware Badge from Digital India program, Govt. of India organized by Central Board of Secondary Education (CBSE).
- Microsoft Certified as an Azure AI Fundamentals
- NPTEL certificate awarded with the titles ‘Elite Silver’ from IIT Bombay.



## DR. KAMLESH GAUTAM

- Had the privilege of being associated as a Visiting Faculty Member of Technical Training Institute, Hindustan Aeronautics Limited, Vimanapura PO, Bangalore – 560017, INDIA.
- Published Indian Innovation Patent with the title “A Low Cost E-Learning System and Method Theory” Application number: 202111060448.
- Published Paper entitled "Enhancement in the Reliability of Vehicular Communication System for Road Side Area," in 2022 International Mobile and Embedded Technology Conference (MECON), IEEE Conference.
- Published Paper entitled "Hybrid Software Development Model Outcomes for In-House IT Team in the Manufacturing," in International Journal of Information Technology Insights & Transformations (Eureka Journals).
- Published Paper entitled "Handwritten Character Segmentation in Various Epochs," International Conference on Advanced Materials in Innovative Technology (AMITY 2022), IET Conference.
- Published Paper entitled "Temperature Measurement Using Fiber Bragg Grating Sensor for Industrial Applications," in International Journal of Current Research in Embedded System & VLSI Technology (Eureka Journals).
- Published Paper entitled "Background Intelligence for Games: A Survey" in Global Journal on Innovation, Opportunities and Challenges in AAI and Machine Learning (Eureka Journals).
- Published Paper entitled "Vehicular Communication Strategy using Machine Learning & Image Processing to Enhance Observations and Control on the Road Side Area," in International Conference on Recent Trends in Machine Learning, IoT, Smart Cities & Applications (ICMISC 2022), Springer Conference -March 2022.
- Worked as a sub-reviewer for “International Conference on Innovative Advancements in Engineering & Technology (IAET 2022)”.
- Worked as a sub-reviewer for “International Conference on Artificial Intelligence: Advances and Applications (ICAIAA 2022)”.
- Worked as a sub-reviewer for “International Conference on Intelligent Systems and Computing (ICISC 2022)”.
- Delivered Keynote Section titled “Cluster Head Unit Strategy Algorithm for Data in Network” in International Conference on "Space Data Analytics and Startups-2022 (ICDAS-2022)" on 6 May 2022 at Jayoti Vidyapeeth Women's University (JVWU), Jaipur, Rajasthan.
- Delivered Expert Section titled “Intellectual Property Rights” in five days Faculty Development Program held from 14 to 18 February 2022 at ACEIT, Jaipur, Rajasthan.
- Delivered Expert Section titled “CHUS Clustering Algorithm in Machine Learning” in five days Faculty Development Program held from 18 to 22 January 2022 at AIETM, Jaipur, Rajasthan.
- Chaired a session in the "International Conference on Recent Advancements in Computer Science and Communication Technology (RACIST-2022)" on 9 April 2022.
- Conducted Expert Lecture as a coordinator on “Hands-on Data Analytics in Python” organized by the Department of Computer Engineering of Poornima College of Engineering, Jaipur.
- Participated in AICTE recognized Short Term Course from “National Institute of Technical Teachers Training and Research, Chandigarh" on “Digital Media Tools for Effective Teaching Learning Through ICT”.





- Participated in FDP on "Green Technology Applications and its effect on the modern world".
- Participated in FDP on "Research Funding Opportunities in Engineering Field across the Globe".
- Participated in AICTE-ISTE approved Orientation/Refresher Programme on "Advances in Power Generation from Renewable Energy Sources".
- Participated in AICTE-ISTE approved Orientation/Refresher Programme on "Energy Conservation and Sustainability".
- Participated in AICTE-ISTE approved Orientation/Refresher Programme on "Applications of Artificial Intelligence using Machine Learning & Deep Learning".
- Participated in AICTE-ISTE approved FDP on "Shape Memory Alloy Modeling, its Applications to Wearable Devices and Smart Structures".
- Participated in AICTE-ISTE approved FDP on "Artificial Intelligence & Deep Learning".
- Participated in AICTE-ISTE approved Orientation/Refresher Programme on "Artificial Intelligence in Cooperative Nema (5G) Network".
- Participated in IEEE Webinar on "Bioinspired Design for Next-Generation Composites".

#### ARCHIKA JAIN

- Published Paper entitled "Information Retrieval using Data Mining" in International Conference on Machine Vision And Augmented Intelligence (MAI-2022), hosted by National Institute of Technology, Jamshedpur, India.
- Published Paper entitled "Data Mining based Disease Classification" in the International Conference on Intelligence System (ICIS-2022), Organized by Uttaranchal University, India.
- Published Paper entitled "Hybrid Layered Classification Model for Heart Disease Diagnosis" in the International Conference on Intelligent Engineering and Management (ICIEM 2022) organized by Amity University, London.
- Published Paper entitled "A Review Data Mining Classification Techniques" in the International Conference on Intelligent Engineering and Management (ICIEM 2022) organized by Amity University, London.
- Published Paper entitled "Artificial Intelligence based Software Cost Estimation" in the international Conference on Innovation Development in Virtual and Rapid Prototype (IDVRP-2022), Organized by Uttaranchal University, India.
- Attended AICTE and ATAL Sponsored Faculty Development Program on "Block Chain & Its Application" Organized by Poornima Institute of Engineering & Technology, Jaipur.
- FDP on "Recent Trends in Computer Science" technically sponsored by the Ministry of Electronics and Information Technology (MeitY), organized by Computer Science & Engineering, GL Bajaj Institute of Technology & Management, Greater Noida.
- Five Days Short Term Training Program on "Cloud Infra and BlockChain" organized by RTU Recognized Center of Excellence in AI and Big Data, Poornima College of Engineering.
- Five-day Faculty Development Program on "The Emerging Era of Data Science", at "Vivekananda Institute of Technology, Jaipur"
- Microsoft Certified as an Azure AI Fundamentals.



### REENA SHARMA

- Presented Paper entitled “A Review Paper on Facial Recognition Technique” in the 2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC).
- Attended AICTE and ATAL Sponsored Faculty Development Programme on “Deep Learning and Computer vision” Organized by Manipal University Jaipur.
- Attended Management Development Program on “Role of Data Science in Management” Organized by Manipal University Jaipur.
- Attended AICTE and ISTE Sponsored Faculty Development Programme on “Artificial Intelligence in Cooperative Nema (5G) Network” Organized by Poornima College of Engineering, Jaipur.
- Program Committee member and Reviewer in International Conference on Artificial Intelligence: Advances and Applications, 2022.
- Published a book chapter on “Analysis of Medical images using Machine Learning Techniques” with Taylor n Francis Group 2022.
- NPTEL certificate awarded with the titles ‘Elite’ IIT Madras.

### VISHAL CHOUDHARY

- Program Committee member and Reviewer in the International conference on Artificial Intelligence advances and applications, April 23-24, 2022
- Conducted five days Short Term Training Program (STTP) on cloud Infra and BlockChain from Nov. 15-19, 2021
- Presented a Paper in "An Intrusion Detection Technique Using Frequency Analysis for Wireless Sensor Network," 2021 International Conference on Computing, Communication, and Intelligent Systems (ICCIS), 2021
- Published Paper entitled “Comparative Analysis of Security Issues and Trends in IoT and WSN” SAMRIDDHI Volume 14, Issue 2, 2022
- Participated in One week Faculty Development Program on "Role of IPR in Innovation & Research" from 19-23 July 2021.

### GAURAV SHARMA

- Attended AICTE and ATAL Sponsored Faculty Development Programme on Deep Learning and Computer vision Organized by Manipal University Jaipur.
- Contributed as a Speaker in Faculty Development Programme on “Recent Trends in Artificial Intelligence and Machine Learning” Organized by Arya Institute of Engineering Technology & Management, Jaipur (Raj.) India.
- Attended Faculty Development Programme on Advanced Trends of Computer and Electronics” Organized by Arya Institute of Engineering Technology & Management, Jaipur (Raj.) India.
- Attended Faculty Development Programme on Green technology applications and its effect on the Modern World” Organized by Stani Memorial College of Engineering and Technology, Phagi Jaipur (Raj).
- Published Paper entitled “Review on Deep Learning Techniques for Medical Image Processing” in the International Journal of Multimedia, Image Processing and Pattern Recognition Published by: Eureka Journals 2022, ISSN: 2581-625X.
- Microsoft Certified as an Azure AI Fundamentals.





### HARSHITA VIRWANI

- Attended Program entitled AZ-900: Microsoft Azure Fundamentals which was organized by Microsoft and further sponsored by the Association of Indian Universities (AIU).
- Presented paper entitled “Comparative Analysis for the prediction of various lungs diseases through chest X-ray images” in the International Convention on Green Environment, Technology & Entrepreneurship through Innovation(ICEGATE-2022) held at Amity University, Jaipur, Rajasthan
- NPTEL Certified in ‘Python for Data Science’.

### BARKHA NARANG

- Attended ATAL FDP on IOT from 10/01/2022 to 14/01/2022 at VIT , Pune.
- Attended ATAL FDP on Quantum Computing from 17/01/2022 to 21/01/2022 at DTU.
- Attended One Day National Webinar on Women Innovators- The Changemakers.
- One Conference Paper in River Publications, Uttaranchal University in February.

### DR. ABHISHEK SHARMA

- Microsoft Innovative Educator 2022, BADGE May 24, 2022
- Windows 10 for education, BADGE May 23, 2022





## STUDENT ACHIEVEMENTS

- Proud to announce that 109 students got Certificates from National Programme on Technology Enhanced Learning (NPTEL) with the titles 'National Toppers, Discipline Star, Elite Gold, Elite Silver, Elite and Successfully Completed'
- Proud to announce that 168 Students are Microsoft Certified in different modules of Microsoft Azure certification in the session 2021-22.
- Final Year Student, Maneesh Kumar (Gate Rank:3006) qualified GATE Exam 2022.
- Final Year Student, Deepak Kumar (Gate Rank:7235) qualified GATE Exam 2022.
- Third Year Student, Udit Parihar (Gate Rank:8028) qualified GATE Exam 2022.
- Second Year Student, Amar Singh won the Tic-tac-toe event, organized by Ram Lal Anand College Delhi University.
- Fourth Year Student, Bhavesh Kumar Agrawal Got 2266 rank in Tech Big Code Gladiators 2021, organized by Tech Big Code Gladiators.
- Fourth Year Student, Hardik Khanchandani Got 2 runner up prize in Hack out Hackathon, organized by Hackathon.
- Third Year Students, Rishi Goyal, RidhviKulshrestha, Richa Garg, Ishan Jain, Priyansh Sharma, Got 2 Rank in Fourth National Level student Technical Paper and Model Contest TECHNOVATION- 2021, organized by Poornima College of Engineering.
- Second Year Student, Khushi Sharma Got Runner up prize in TUG OF WAR sports AAROHAN 2021, organized by Poornima College of Engineering.
- Second Year Student, Kshitij Kannaujiya Got Runner up prize in BGMI e-sports AAROHAN 2021, organized by Poornima College of Engineering.
- Second Year Student, Naman Chaudhary Got Runner Up prize in Badminton, AAROHAN 2021, organized by Poornima College of Engineering.
- Second Year Student, Nikhil Sharma Got 9th position in cloud track quiz, in DevFest-India-2021, organized by Google.
- Second Year Student, Nishant Malhan team Got Runner Up prize in Box Cricket League sport in AAROHAN 2021, organized by Poornima College of Engineering.
- Second Year Student, Mudit Agarwal won Treasure Hunt Sport in AAROHAN 2021 event, organized by Poornima College of Engineering.
- Second Year Student, Mudit Agarwal won Runner up Prize in Tug of War Sport in AAROHAN 2021 event, organized by Poornima College of Engineering.
- Third Year Student, Lovish Tater won Hackout 2.0 International Hackathon, organized by Headout.
- Third Year Student, Lovish Tater won incentives for Top relevant idea submissions in SAP Semicolon; Hackathon 5.0, organized by SAP.
- Third Year Student, Manish Motwani won Hackout 2.0 International Hackathon, organized by Headout.





- Third Year Student, Manish Motwani won incentives for Top 100 idea submissions in SAP Semicolon; Hackathon 5.0, organized by SAP.
- Third Year Student, Himanshu Singh won Runner up prize in RTU Hackathon 2021, organized by Rajasthan Technical University.
- Third Year Student, Mohd Rashid Meraj won incentives for top relevant idea submissions in SAP Semicolon, Hackathon 5.0, organized by SAP.
- Third Year Student, Lovish Tater Got rank AIR - 156, Global Rank– 894 in Google Hash Code, organized by Google.
- Third Year Student, Lovish Tater Got rank AIR - 151, Global Rank– 4532 in Google Code Jam, organized by Google.
- Third Year Student, Mukul Kumar Tiwari Got AIR-158, Rank -899 in Google Hash Code, organized by Google.
- Third Year Student, Rishi Goyal Got Global Rank - 8423, Google Kickstart, organized by Google.
- Third Year Student, Rishi Goyal cleared Infosys Certification Round, organized by Infosys.
- Third Year Student Manish Motwani Got rank AIR - 156, Global – 894, Google Hash Code, organized by Google.
- Third Year Student Manish Motwani Got global rank-705, in CodeX2.0, organized by Scalar Academy.
- Third Year Student Manish Motwani Got global rank-136, in the Job-A-Thon 7 Hiring Challenge, organized by Geeks for Geeks.
- Second year student Ayush Baluni, has got 5 stars on code chef and has secured global rank 22 in code chef starters 30 out of 3286.
- Second year student Harsh Agarwal has been offered the position of 'Ninja Entrepreneur' at Coding Ninja.
- Final year student Rahul Sharma won the Infosys HackWithInfy competition and placed in Infosys.
- Final year student Saket Sharma won the Infosys HackWithInfy competition and placed in Infosys.
- Final year student Abhinav Goyal won the Infosys HackWithInfy competition and placed in Infosys.
- Final year student Rohit Garg won the Infosys HackWithInfy competition and placed in Infosys.
- Final year student Tarun Mittal won the Infosys HackWithInfy competition and placed in Infosys.
- Final year student Prashant Sharma won the Infosys HackWithInfy competition and placed in Infosys.
- Final year student Kashish Singh won the Infosys HackWithInfy competition and placed in Infosys.
- Final year student Rohit Kumar Singh won the Infosys HackWithInfy competition and placed in Infosys.
- Final year student Ankit won the Infosys InfyTQ competition and placed in Infosys
- Final year student Deepak Kumar won the Infosys InfyTQ competition and placed in Infosys
- Final year student Mohit Singhal won the Infosys InfyTQ competition and placed in Infosys.



# ELECTRONICS & COMMUNICATION ENGINEERING

## VISION

To establish an acknowledged department of academics in the field of Electronics and Communication Engineering.

## MISSION

- To equip students with strong foundations for continuing education in the field of EC.
- To provide quality education & to make the students entrepreneur and employable.
- To undertake research and development in the field of Electronics and Communication Engineering.

## About The Department

- Electronics and Communication Engineering has gained importance in recent years due to its versatile application in every facet of engineering. It mainly deals with the principles of electronic devices and communication technologies along with the basic electronic components, design of circuits and systems. The branch also has a very close link with the computer field.
- The core academics are blended with necessary beyond the syllabus programs to give an extra edge to students, providing an ample scope for value based learning and result oriented inter disciplinary approach to students. In the field of Electronics Engineering, Engineers Design and Test Circuits that use the electromagnetic properties of electrical components such as resistors, capacitors, inductors, diodes and transistors to achieve a particular functionality. In designing an integrated circuit, electronics engineers first construct circuit schematics that specify the electrical components and describe the interconnections between them. When completed, VLSI engineers convert the schematics into actual layouts, which map the layers of various conductor and semiconductor materials needed to construct the circuit, for this purpose the department motivates the students to learn the beyond the syllabus programs and courses, since they are a part of electronics engineering.







## PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- The graduates will be competent enough to apply knowledge and skills to solve the real time problem.
- Graduates will work as a team in a diverse field and gradually move into leadership positions.
- Graduates will understand current professional issues, apply latest technologies and come out with innovative solutions for the betterment of the society.

## Program Outcomes (PO)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## Program Specific Outcomes (PSO)

- Graduates possess the ability to understand and apply basic knowledge of core Electronics & Communication Engineering for the benefit of society.
- Graduates will be proficient to apply electronic modern IT tools for the design and analysis of complex electronic systems in furtherance to research activities.
- The ability to be adaptable to the multidisciplinary nature at the workplace, develop excellent Interpersonal Skills & Leadership qualities that benefits the individual & organization.



## MESSAGE FROM HEAD OF DEPARTMENT

A hearty welcome to the Department of Electronics and Communication Engineering at Poornima College of Engineering, Jaipur. The department is NBA accredited. Department has applied for the Centre of excellence under RTU, Kota. The department's vision is to be excellence in value based on Electronics & Communication Engineering Education. The department has well qualified and dedicated faculty. The department strives to impart knowledge and training of the highest standard. The objective of the department is to prepare students for a successful career in Industry, Research and Academics to meet the needs of growing technology. Our efforts are to develop the ability among students to synthesize data and technical concepts for application to product design. We provide an opportunity for students to work as members of a team on multidisciplinary projects. Students are placed for training in the industry as per the curriculum of Rajasthan Technical University Kota. The student learns industrial practices and also professional ethics. For the overall development of the student; department of Electronics engineering is associated with memberships of professional bodies such as IEEE, IETE and IET. We conduct various activities of these chapters to gain knowledge and interact with students and staff of other colleges/universities as well as Industry Engineers. Students have taken part in various competitions and won prizes. Students of the Electronics department also bagged prizes in academics as well in co-curricular activities. Students secured a gold medal at university level examinations. Students showcase their talent in various sports and intercollegiate technical events and bag prizes.



Our graduates are working in Multinational Companies, Defense Services, and Academic Institutions in India and abroad. Last but not least our Technical supporting staff is unique in its own way. Students, as well as visitors, find them very friendly, amicable and highly intelligent!

Best wishes

Dr. Garima Mathur

## MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1.	Expert Session on Application of MATLAB in Engineering	July 15, 2021	Mr. Tarun Mishra
2.	Workshop on VLSI Circuit Design using Xilinx & Mentor Graphics Tools	July 29 to Sep. 06, 2021	Mr. Trimesh Kumar
3.	Workshop On PCB Design & Simulation using PROTEUS Software	Aug. 06 to Sep. 21, 2021	Mr. Amit Kumar Jain
4.	Celebration of Independence Day & Faculty Felicitation Program	August 15, 2021	Ms. Garima Mathur
5.	National Webinar on Advancement in Electronics	August 18, 2021	Mr. Manish Sharma
6.	An Expert Talk on 5G Technology	November 17, 2021	Ms. Kavita Kuntal
7.	Expert Lecture on Smart Antenna's	November 22, 2021	Mr. Sushil Jain
8.	Teachers Day Celebration	September 06, 2021	Mr. Mukesh Chand
9.	Engineers Day Celebration	September 15, 2021	Mr. Ajmeet Singh
10.	Annual Day KALANIDHI' 2018 & Prize distribution ceremony	October 02, 2021	Mr. Mayank Sharma
11.	Unity Day Celebration	October 31, 2021	Dr. Payal Bansal
12.	IETE foundation Day	November 2, 2021	Dr. Jitendra Gupta
13.	Hindi Diwas celebration	September 14, 2021	Ms. Urooj Sultana
14.	AICTE Sponsored STTP on Artificial Intelligence in Cooperative Noma (5G) Network	December 21-27, 2021	Mr. Amit Kumar Jain





## An Online Hands on Session On “Industrial Internet of Things (IIOT) with Arduino-IOT” July 10, 2021

An online session on Industrial Internet of Things organized by the Department of Electronics and Communication Engineering. The session was conducted successfully and was a great chance for students who want to automate things around them and work on different applications by using Arduino microcontroller boards. It was an amazing session by Bhawani Singh and Deepanshu Pathak. We had learnt a lot from us. The session was successfully taken by Bhawani Singh and Deepanshu Pathak. They covered each and every topic in detail, also a good discussion on queries asked by attendees.



**BHAWANI SINGH**  
Snr. Operational Manager  
Vision Automation Solutions, Jaipur



**DEEPANSHU PATHAK**  
Automation Engineer  
Vision Automation Solutions, Agra



**POORNIMA**  
COLLEGE OF ENGINEERING  
Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA

An online Hands-on-session  
on  
**Industrial Internet of Things (IIOT)  
with Arduino-IoT**

Organized by:  
**Department of Electronics &  
Communication Engineering**

 **SATURDAY, JULY 10, 2021**  
 **TIME 10:30 to 12:00 PM**

  
Virtual platform: Microsoft teams

RSVP:  
**Dr. Garima Mathur**  
✉ : drg.mathur@poornima.org  
☎ : 9829393517

## Three Day DST-Sponsored National Implementing & Monitoring Agency for Training (NIMAT) Project:

Three Day DST-Sponsored National Implementing & Monitoring Agency for Training (NIMAT) Project organized by Poornima College of Engineering, Jaipur in association with Entrepreneurship Development Institute of India, Ahmedabad Entrepreneurship Awareness Camp (EAC) On April 11-13, 2022.

Day-1 (April 11, 2022)

### SESSION-1

#### Personal Branding for Career Success by Garima Mathur (Curominds)

Personal Branding is the vital part of your career and its effect is long-term to success in your life. It is nothing but how to brand yourself in terms of authentic, consistent, leader, proactive, etc. Personal Branding helps individuals become conscious of their differences, ultimately allowing them to position themselves in a way that makes them stand out in the pack among potential job applicants.



### SESSION-2

#### Opportunities and Challenges for Indian Startups in 21st Century by Mr. Sumit Gupta (Core Team Lead in L4O.in)

With the launch of Prime Minister's ambitious Startup India mission on 16th January at Vigyan Bhawan auditorium in New Delhi, it seems that India is progressing to become the next big startup nation. Startups do not exist in a vacuum but are part of a broader business environment. Thus, the growth drivers of the Indian startup ecosystem need to be understood in the context of various factors: earlier economic reforms and current market trends, as well as the impact of technological change and changing attitudes on the part of government, large companies, and society overall. This section describes the five key opportunities and growth drivers which were identified in the interviews.



**Talent is inclined to work with startups:** India is all set to break away the traditional career paths as a lot of talent is tending towards working with the Indian startup space. Challenging assignments, huge funding that brings huge compensation packages and an associated cool quotient are making startups a very lucrative place and attractive value proposition.



**Talent is inclined to work with startups:** India is all set to break away the traditional career paths as a lot of talent is tending towards working with the Indian startup space. Challenging assignments, huge funding that brings huge compensation packages and an associated cool quotient are making startups a very lucrative place and attractive value proposition.

**Indian and Foreign Investors making huge investments in startups:** The startup ecosystem is getting substantial support from foreign and Indian investors, who have shown more faith in the industry and have provided funds to help these companies to grow leaps and bounds.

**Make in India Initiative:** "Make in India" has not only encouraged the manufacturer, but also the Indian buyer to trust and invest in the domestic brands.

**Startup India initiative:** Launched by the honorable Prime Minister of India, Mr. Narendra Modi, Start-Up India initiative is a great relief for start-up firms that will give them a final break from the conventional License Raj of India. The program includes three-year tax and compliance breaks intended for cutting arduous government regulations and red tapism.

### SESSION-3

#### Challenges in Digital Image Processing and its Future aspects by Manisha Kumawat (Assistant Professor, ECE Department)

The field of digital image processing refers to processing digital images by means of a digital computer. It helps to improve images for human interpretation. Information can be processed and extracted images for machine interpretation. The pixels in the image can be manipulated to any desired density and contrast. Images can be stored and retrieved easily. An image is represented by its dimensions (height and width) of pixels. For example, if the dimensions of an image are 500 x 400 (width x height), the total number of pixels in the image is 200000.



Day-2 (April 12, 2022)

#### INDUSTRIAL VISIT On Rajasthan of Electronics and Instruments limited (REIL)

Rajasthan Electronics & Instruments Ltd. (REIL) has a prominent place amongst the electronics industry of Rajasthan. The Company is a joint venture between the Government of India & the Government of Rajasthan, through their respective institutions. The Company was conferred the status of a "MINI RATNA" by the Department of Public Enterprises, Ministry of Industry, Government of India in 1997 on account of its good all round performance and excellent products. The Company has added another feather in its cap by establishing a Quality Management system for its operations and has been certified as an ISO 9001 firm i.e. 31st July, 1998. The area of business extends to manufacturing and marketing of electronic products/ services in the following areas:

- Agro-Dairy Sector
- Solar Photovoltaic Sector
- Industrial Electronics Sector
- Information Technology

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Department of Electronics & Communication Engineering

**INDUSTRIAL VISIT**  
TUESDAY, APRIL 12, 2022  
RAJASTHAN ELECTRONICS & INSTRUMENTS LIMITED  
Under  
Entrepreneurship Awareness Camp (EAC)  
DST-Sponsored National Implementing & Monitoring Agency for Training (NIMAT) Project  
Entrepreneurship Development Institute of India, Ahmedabad

SAVE WATER SAVE GREENERY SAVE EARTH





Industrial visit was carried out at Rajasthan electronics & instruments limited (REIL) on 24th August, 2018 especially for 5th semester students. The main objective behind the visit was to make students aware about Dairy Electronics, Renewable Energy, Information Technology applications and New Projects in REIL. Two Faculty Coordinator and 60-students left for visit at 12:30 p.m. and it took about one and half hours to cover the distance. The Industry is located in the Kanakpura Industrial area about 12 Kms from the heart of Jaipur city and is spread over a sprawling campus of ten acres, amidst lush green surroundings, with over 2700 Sq. Meter area of covered space. Other offices include the corporate office within the city and Field maintenance centers (FMCs) and Sub-FMC's spread over most of the regions of the country. As we reached company, we were guided by Rakesh Chopra, General Manager (Electronics & IT) to give the information Milk analysis and automation solutions including Electronic Milk Testers (EMT), Electronic Milk Adulteration Tester (EMAT), Milk Analyzers, Auto-EMT, Automatic Milk Collection Units (AMCU), DPU based MCU Raw Milk Reception Dock (RMRD), Vehicle tracking systems, Software for Inventory Management of Veterinary drugs and Medicine for Department of Animal Husbandry, Govt. of Rajasthan.



### Day-3 (April 13, 2022)

#### Workshop on Arduino and Embedded Systems by Upflairs Pvt Ltd

Embedded means something that is attached to another thing. An embedded system can be thought of as a computer hardware system having software embedded in it. An embedded system can be an independent system or it can be a part of a large system. An embedded system is a microcontroller or microprocessor based system which is designed to perform a specific task. Microprocessor is the heart of computers and Microcontroller is the heart of embedded systems. In Microprocessor Memory and I/O components is connected externally but in Micro-controller it is connected internally and it is cheaper than microprocessor. In this workshop on Arduino and Embedded Systems we have learned about what is embedded systems, difference between microprocessor and micro-controller, some basic components like resistors and capacitors, DC motor, Arduino programming and Arduino development board. By gaining the knowledge of all components, Arduino and embedded systems and DC motor we have built one project named two wheeler robot controlled car

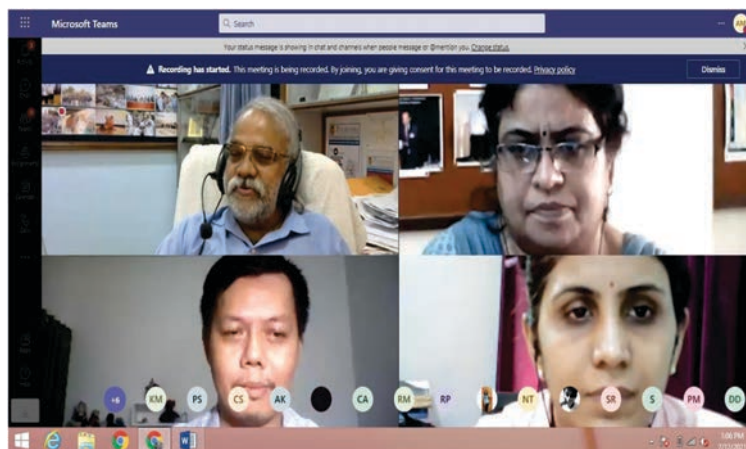




## ICAIAA-2022 (April 23-24, 2022)

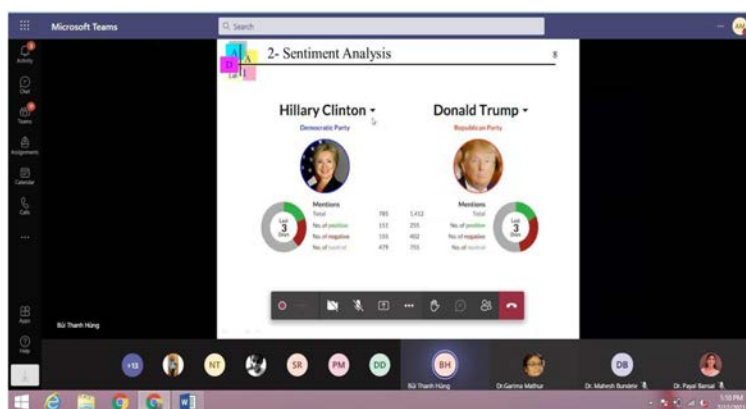
Poornima College of Engineering, Jaipur and Rajasthan Technical University Kota in association with Soft Computing Research Society (SCRS) jointly organized the 3rd International Conference on Artificial Intelligence: Advances and Applications (ICAIAA-2022) in Virtual Format during April 23-24, 2022.

ICAI AA-2022 (International Conference on Artificial Intelligence: Advances and Applications-2022) is a two-day conference which aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Engineering Applications of Artificial Intelligence. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Engineering Applications of Artificial Intelligence. This conference covers research works carried out by various students such as bachelor, master and doctoral scholars, faculty and industry persons in the area of Artificial Intelligence, Machine Learning, and Deep Learning applications in Healthcare, Agriculture, Business, and Security etc. It will also cover research in core concepts of Computer Networks, Intelligent System design and deployment, Real time systems, WSN, Sensors and Sensor nodes, SDN, NFV etc. Each book chapter shall emphasize on specific sub domains of AI and Deep Learning. It will be useful for students, faculty and industry working on AI applications. AI is an emerging technology that shall be used in almost all applications / technologies/ systems in one or other form. Thus, the conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.



## International Expert Talk on “Sentimental Analysis in Intelligent Information Systems” July 12, 2021

International Expert Talk Session on ‘Sentimental Analysis in Intelligent Information Systems’ witnessed by the presence of Dr. Mahesh M. Bunde, Director & Principal, Poornima College of Engineering, Jaipur; Dr. Garima Mathur, Head & Professor, Department of Electronics & Communication Engineering, Poornima College of Engineering, Jaipur; Dr. Payal Bansal, Associate Professor, Department of Electronics & Communication Engineering, Poornima College of Engineering, Jaipur.



Dr. Garima Mathur addressed the participants about the International Expert Talk & Its area of learning and its content. In the welcome address Dr. Mahesh M. Bunde, director, PCE, updated the participants about the benefits & techniques related to Sentimental Analysis, Data Analytics, & Data Science. In the end the session concluded by vote of thanks delivered by Dr. Garima Mathur.





## EXPERT LECTURES

### Advancement of Technology: Good or Bad?

AI will test the outer limits of human reason & understanding and challenge the very nature of human identity. The technology has brought humanity on the brink of consequential (DESTRUCTIVE) moment, yet one that is diffuse and unpredictable and less widely acknowledged. The increasing power of AI can be put to an astonishing array of civil and military uses such as killer robots and spreading disinformation — is already scrambling centuries-old conceptions of national security and state sovereignty. One benign face of AI is its use in weather prediction.



### Quiz on Light Based Technologies on 12th May 2022

PCE, the pioneer institute of PGC was established in 2000 with the aim of imparting pragmatic technical education. In its magnificent journey of 18 years, PCE has set benchmarks and reached new pinnacles in engineering education with dedication, perseverance and devotion. PCE is spearheading its outstanding voyage with the motto as 'Success is not a destination, it's a journey in CE, EE & ECE department established PCE as a leading institution of National repute. On the Occasion of 75 years of Azadi ka Amrit Mahotsa, Department of Electronics and Communication Engineering of Poornima college of Engineering, Jaipur in Collaboration with IEEE Prakash Bharati India organized a Quiz competition on “Light Based Technology” on 12th May 2022. Mr. Nitesh Mudgal and Dr. Garima Mathur were the institute coordinators while Dr. Mahesh Bundeale was the Institute patron for this event. More than 20 undergraduate students of the different streams participated in this quiz competition. The event was successfully held.



## FACULTY ACHIEVEMENTS

### DR. GARIMA MATHUR

- “Surface Charge Based Modeling of TIPS-Pentacene TFT”, 8th International Conference on Smart Computing and Communications (ICSCC), Kochi, Kerala (2021).
- “Mobile Charge Carrier Based Modeling of 4H–21 DNTT and Structure Analysis of OTFT”, IEEE 2nd International Conference on Technology, Engineering, Management for Societal impact using Marketing, Entrepreneurship and Talent (TEMSMET) (2021)
- “Modified Rectangular Patch Antenna for WLAN and WiMAX Application”, International Conference on Communication and Computational Technologies (2021)
- GarimaMathur, Vaibhav Beniwal, Tarun Mishra, and Amit K. Jain “Bluetooth-Based Smart Sensor Networks”, Intelligent learning for computer vision, Publisher Name Springer (2021)
- GarimaMathur, Prachi Shah, Amit Kr. Jain, Tarun Mishra, “IoT-Based Big Data Storage Systems in Cloud Computing”, Intelligent Systems, Publisher Name Springer (2021)
- GarimaMathur, Sanjeev Yadav, Amit K. Jain “Monitoring and Detection of Blood Flow based on Internet of Things”, ICRAIE, IEEE (2020) 5th IEEE International Conference (Virtual Mode) on Recent Advances and Innovations in Engineering (ICRAIE 2020) IEEE Conference Record # 51050 DECEMBER 1-3, 2020.

### DR. ANILA DHINGRA

- “Finger Tracking in Real-Time Human–Computer Interaction”, Information Management and Machine Intelligence. ICIMMI-20 Lecture Notes in Networks and Systems Publisher Name-Springer, Singapore (2021)
- “Access Control of Door and Home Security System”, Smart Energy and Communication. Algorithms for Intelligent Systems. Publisher Name Springer, Singapore (2021)
- “Computerized paper evaluation using neural network”, Dogo Rang sang Research Journal, UGC Care Group (2021)
- “Phased Array Radar”, Journal of Advances in Shell Programming (2021)
- “A Reference Model for Internet of Things Middleware”, 33rd National Convention of Computer Engineers, Institutions of Engineers, India. NCCE, Book Chapter (2020-21)
- “NodeMCU based power monitoring system using IoT”, 33rd National Convention of Computer Engineers, Institutions of Engineers, India. NCCE, Book Chapter (2020-22)

### DR. PAYAL BANSAL

- “An Analysis of Dual Band pass Filters using with Arbitrary Band Ratios”, International Journal of Trends in scientific Research & development
- “Design a Model with Dual Band Frequency Selective Surface (FSS) & Impedance Modeling Assumptions”, International Journal of Emerging Technologies in Engineering Research
- Dr. Payal Bansal, Manisha Kumawat “Edge Computing with Different Techniques and their Application Challenges”, International Journal of Research in Engineering, Science and Management, International (UGC) (2020)





### DR. SUCHI DAVE

- “Smart Lady e-wearable security system for woman working in the field”, Intelligent learning for computer vision, Publisher Name Springer, (2021)
- “WOMEN SHIELD”, Intelligent Systems, Publisher Name Springer, (2021)
- “Statistical Analysis on Survey Report of Women Security Device for Rural Women in Bagru and Bassi”, International Journal of control and Automation, Publisher Name Scopus, (2020)
- “WOMEN SAFETY DEVICE BASED ON GPS & GSM”, International Journal of Engineering Applied Sciences and Technology, Publisher Name UGC, (2020)

### AMIT KUMAR JAIN

- Amit K. Jain, Vaibhav Beniwal, Tarun Mishra, and Garima Mathur “Bluetooth-Based Smart Sensor Networks”, Intelligent learning for computer vision, Publisher Name Springer (2021)
- Amit Kr. Jain, Garima Mathur, Prachi Shah and Tarun Mishra, “IoT-Based Big Data Storage Systems in Cloud Computing”, Intelligent Systems, Publisher Name Springer (2021)
- Amit Kr. Jain, Rupesh Acharya, Saroj Jakhar and Tarun Mishra “FIFTH GENERATION (5G) WIRELESS TECHNOLOGY”, IEEE Xplore. (2021)
- Amit Kumar Jain, Gaurav Gupta, Tarun Mishra, Manisha Kumawat “LI-FI – “WIRELESS DATA FROM EVERY NETWORK”, Publisher Name UGC care, (2020)
- Amit K. Jain, Garima Mathur, Sanjeev Yadav, “Monitoring and Detection of Blood Flow based on Internet of Things”, ICRAIE, IEEE (2020)
- Amit K. Jain, Tarun Mishra, “Modified Rectangular Patch Antenna for WLAN and WiMAX Application”, International Conference on Communication and Computational Technologies
- Amit K. Jain, Tarun Mishra, “Monitoring and Detection of Blood Flow based on Internet of Things”, 5th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE), PCE Jaipur

### TARUN MISHRA

- Tarun Mishra, Garima Mathur, Vibha Beniwal and Amit K. Jain “Bluetooth-Based Smart Sensor Networks”, Intelligent learning for computer vision, Publisher Name Springer (2021)
- Tarun Mishra, Garima Mathur, Prachi Shah, Amit Kr. Jain, “IoT-Based Big Data Storage Systems in Cloud Computing”, Intelligent Systems, Publisher Name Springer (2021)
- Tarun Mishra Amit Kr. Jain, Rupesh Acharya, and Saroj Jakhar, “FIFTH GENERATION (5G) WIRELESS TECHNOLOGY”, IEEE Xplore. (2021)
- Tarun Mishra, Amit Kumar Jain, Gaurav Gupta, Manisha Kumawat “LI-FI – “WIRELESS DATA FROM EVERY NETWORK”, Publisher Name UGC care, (2020)
- Tarun Mishra, Amit K. Jain, “Monitoring and Detection of Blood Flow based on Internet of Things”, 5th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE), PCE Jaipur
- Tarun Mishra, Amit K. Jain, “Modified Rectangular Patch Antenna for WLAN and WiMAX Application”, International Conference on Communication and Computational Technologies



## DURGESH KUMAR

- Durgesh Kumar, Garima Mathur, Rupesh Acharya, Saroj Jakhar, **“Revolution in Telecommunication”**, Springer Nature Singapore PTE Ltd. (2021)
- Durgesh Kumar, Garima Mathur, Rupesh Acharya, Saroj Jakhar, **“An Overview of Smart Identity Cards for Educational Institutions”**, Lecture Notes in Electrical Engineering 546 (2021)
- **“Design and Analysis of UltraHigh Speed 16 Channel Cascaded EDFA-DWDM Network with Post Dispersion Compensations Using Optimization of Fiber Bragg Grating”**, International Conference on Recent Advances and Innovations in Engineering 2020, Book Chapter (2020-23)

## MANISHA KUMAWAT

- **“Wireless Charging Solution of Mobile Phone Batteries using Microwaves via Cellular Communication”**, International Journal of Trend in Scientific Research and Development, International UGC (2020)
- **“Study of MSPA in Aspect of design & Parameter with Three Different Substrate Materials”**, ICRAIE 2020, Publisher name IEEE (2020)
- Manisha Kumawat, Dr. Payal Bansal, **“Edge Computing with Different Techniques and their Application Challenges”**, International Journal of Research in Engineering, Science and Management, International (UGC) (2020)
- Manisha Kumawat, Tarun Mishra, Amit Kumar Jain, Gaurav Gupta, **“LI-FI – “WIRELESS DATA FROM EVERY NETWORK”**, Publisher Name UGC care, (2020)







## DEPARTMENT OF ELECTRICAL ENGINEERING

### VISION

To be a model of excellence in Professional Education and Research by creating electrical engineers who are prepared for lifelong engagement in the rapidly changing fields and technologies with ability to work in a team.

### MISSION

- ❖ To provide a dynamic environment of technical education wherein students learn in collaboration with others to develop knowledge of basic and engineering sciences.
- ❖ To identify and strengthen current thrust areas based upon informed perception of global societal issues in the electrical and allied branches.
- ❖ To develop human potential with intellectual capability who can become a good professional, researcher and lifelong learner.

### About The Department

The Journey of Department of Electrical Engineering was started in 2000 with Poornima College of Engineering, Jaipur. The department contributes to the entire Poornima Group with a total of 400 students. We are providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. The department is strengthened with 30 faculty members, technical officers and technical assistants. The department has organized various workshops, seminars, expert lectures in this session i.e. workshop on PLC SCADA, MATLAB, Renewable Energy, Industrial Automation, etc. The department of Electrical Engineering has renowned scholars as the faculty members for imparting knowledge. The department organizes industrial visits for all students during every semester to core industries. The department has been taking initiatives for versatile enhancement of the students through technical, cultural and sports fests since the establishment. Most of our final year students have been placed in Infosys, Capgemini India Ltd., FACE, Gram Power, Adani Power, KSTPS, Pinnacle Infotech solutions, etc.



### PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- PEO 1:** Graduates will have the ability to formulate, analyze and apply the design process using the basic knowledge of engineering and sciences to solve complex electrical engineering problems.
- PEO 2:** Graduates will exhibit quality of leadership, teamwork, time management, with a commitment towards addressing societal issues of equity, public and environmental safety using modern engineering tools.
- PEO 3:** Graduates will possess dynamic communication and have successful transition into a broad range of multi-disciplinary career options in industry, government and research as lifelong learner.



## PROGRAM OUTCOMES (PO)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge & research methods including design, interpretation of data, & synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## PROGRAM SPECIFIC OUTCOMES (PSO)

- PSO1:** Graduate possesses the ability to apply fundamental knowledge of basic sciences, mathematics and computation to solve the problems in the field of electrical engineering for the benefit of society.
- PSO2:** Graduate possesses the ability to professionally communicate and ethically solve complex electrical engineering problems using modern engineering tools.
- PSO3:** Graduates possess sound fundamental knowledge to be either employable or develop entrepreneurship in the emerging areas of renewable and green energy, electric and hybrid vehicles and smart grids and shall be susceptible to life- long learning.





## MESSAGE FROM HEAD OF DEPARTMENT

The department of Electrical Engineering under Poornima college of Engineering, Jaipur was established in the year 2000. The department runs under graduate program B.Tech(Electrical Engineering) to cater to the ever challenging needs of technical excellence in all areas of electrical engineering. The department has well qualified and committed faculties with specialization in the areas of Power Systems, Power Electronics, Electric Drives, Renewable Energy and Smart Grid Automation etc. to guide and mentor the students' community. The Department of Electrical Engineering is well equipped with state of the art equipment and Laboratories. Conducive environment exists in the department for both staff and students. Department is bound to impart knowledge in electrical engineering to develop professionals and leaders to meet the global challenges and to be socially responsible. For the encouragement of research and personal development of students, IEEE (USA) student chapter is established. The department provides high quality placements with the maximum salary package reaching to 12 LPA.



The department equips the students with the required technical skills and knowledge required to face the real time professional challenges and also works on their overall personality development through various Professional Body activities and extra and co-curricular activities. The world is open for all the electrical engineers to pursue a career of their choice specifically in Govt. and Public sector. Collaboration with faculty members from other disciplines, both within and outside the institute, is encouraged. The research activity of the department includes fundamental research, sponsored and consultancy projects are carried out with active participation of the students, faculty, staff and research engineers.

The curriculum of the department is more students centric and focused on outcome based education (OBE) pattern, with a flexibility of modifying and updating the syllabi of the courses as per the need and requirements of the society/industry standards by informing the RTU Academic section. The infrastructure and lab facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate. In the changing scenario, nowadays expectations of industries are ever increasing. To bridge this gap and cater the needs of industries as well as make the students employable and industry ready, the department in its curriculum has introduced minor courses and or MOOC Courses. We also encourage our students to learn foreign languages. This not only will help for the holistic development of the students, but also will bring an avenue to build-up a professional career in the corporate world. Department also has a 200KW "Solar Power Plant" in operation. "Center of Excellence" in the institute is the most attractive place for the students who are interested in innovation and to showcase their skill. Department of Electrical Engineering is bound to organize workshops, FDP's, tutorial sessions, Industry expert talks for the exponential development of our Poornima Students. In-order to gain industrial exposure, internship to the students is made mandatory which definitely will prepare the students to be industry ready.

Only one piece of advice I would like to share: Success in life is not measured against having a hefty pay package, it is also in having a lovable family, faithful friends and a warm social circle. We should practice to live life sincerely and not seriously. With this, I would like to extend my heartfelt gratitude and best wishes to the entire fraternity and request every individual to be a part of our Poornima family.

Best wishes,

**Dr. Pravin M. Sonwane**



## ACTIVITIES HELD IN THE DEPARTMENT

- A Workshop on “Mathematical Modelling and Design Optimization of Solar Photovoltaic System and Electric Vehicles” Coordinated by Dr. Pravin Sonwane, Mr. Mayank Sharma on August 16-17, 2021
- A Seminar on “Toyota Hybrid System” coordinated by Dr. Pravin Sonwane on August 31, 2021.
- A Seminar on “Teacher's Day” coordinated by Dr. Pravin Sonwane, Mr. Ajit Singh Rajawat on Sep 6, 2021
- A Seminar on “Opportunities of Higher Education in Germany” coordinated by Dr. Pravin Sonwane, Dr. Pankaj Gakhar on Sep. 14, 2021
- A Seminar on “Art of Living for Engineer's: Engineer's Day Program” coordinated by Dr. Pravin Sonwane, Dr. Gaurav Jain on Sep. 15, 2021.
- A Webinar on “Trends in IOT” coordinated by Dr. Pravin Sonwane, Dr. Gaurav Jain on Oct 20, 2021
- A Refreshers Programme on “Advances in Power Generation from Renewable Energy Sources” coordinated by Dr. Pravin Sonwane on Dec. 06-11, 2021
- A Webinar on “Higher Education: Challenges and Opportunities” coordinated by Dr. Pravin Sonwane, Dr. Pankaj Gakhar, Mr. Mayank Sharma on February 5, 2022.

### Industry Expert Session on Toyota Hybrid System Tuesday, Aug 31, 2021

Session was based on advances in vehicles, especially in the Toyota industry. Speaker focused on the comparison of hybrid, Electrical vehicle and IC engine-based vehicles. Nowadays Hybrid vehicles are more beneficial than electrical and IC engine-based vehicles. Speaker also compares all these three types of vehicle. From this lecture, most of the researchers, academicians, and professional engineers can undergo how the vehicles are manufactured in the Toyota industry.



### Webinar On “Trends In Iot” October 20, 2021

Rohini Bansilal Khanderay Embedded Project Trainer, Bansi Electronics Workshop Delivered A Webinar On “Trends In Iot” October 20, 2021

Project – Manufacturing of practical kits required for colleges and schools. And 8051 Programming, 8051 based developing Board which has many modules like UART, Motor, LCD, KEYPAD interface, etc. This board is generally designed for training and testing purposes. Conducting hands-on training of programming 8051 input output ports, Timer and counter, Interrupts, UART serial communication. Manufacturing of practical kits required for colleges and schools. PCB designing and manufacturing, Designing PCB layout using eagle software. Also manufacturing prototype PCBs using Ultraviolet machinery, PCB coater, thinning machine, FeCl3 etching machine, tinning machine, Drilling of PCB and mounting various components on it. Soldering components on PCB, testing and troubleshooting PCB.

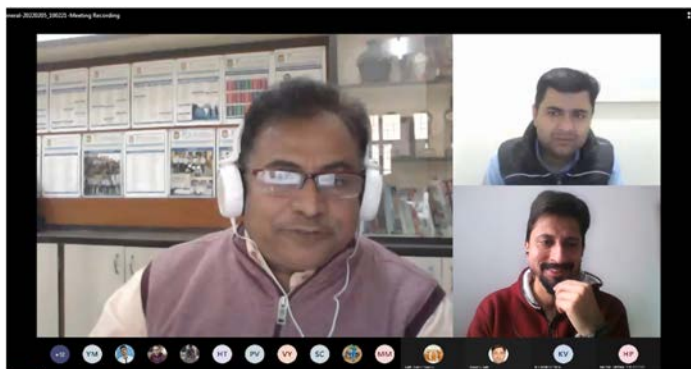






## Webinar on “Higher Education: Challenges and Opportunities” Feb 05, 2022

Session was based on advances in vehicles, especially in the Toyota industry. Speaker focused on the comparison of hybrid, Electrical vehicle and IC engine-based vehicles. Nowadays Hybrid vehicles are more beneficial than electrical and IC engine-based vehicles. Speaker also compares all these three types of vehicle. From this lecture, most of the researchers, academicians, and professional engineers can undergo how the vehicles are manufactured in the Toyota industry.



**SUMIT KUMAR**

PhD Research Scholar, IIT, Delhi  
PCE-Alumni (EE, Batch 2013-17)

Joining Link:  
<https://tinyurl.com/4cmcj34y>



**POORNIMA**  
COLLEGE OF ENGINEERING

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA

National Webinar on  
**Higher Education:  
Challenges and Opportunities**

Organized by:



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Delivery of NMC Initiative)

PIIC, Poornima College of Engineering  
&  
Department of Electrical Engineering, PCE



Saturday  
Feb. 05, 2022



10 -11 AM



Virtual platform: Microsoft teams

RSVP:

Dr. Pravin Sonwane  
☎ : +91-8805868462

Dr. Pankaj Gakhar  
☎ : +91-7737764255

Mr. Mayank Sharma,  
☎ : +91-6350644933







## FACULTY ACHIEVEMENTS

### DR. PRAVIN SONWANE

- Presented paper on “A Double-Ended Scheme for Fault Identification and Phase-Type Categorization in Fixed Series Compensated Transmission Line during Distorted Signals” 2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE) Dec.,2021 10.1109/ICRAIE52900.2021.9703834
- Presented paper on “Optimal Allocation of Distributed Generator placement: An Optimal Approach to Enhance the Reliability of Micro-Grid”2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE) Dec.,202110.1109/ICRAIE 52900.2021.9703971
- Presented paper on “Power Management and Voltage Regulation of Self- Governed Hybrid RE-Source Microgrid System for Distribution Load” 2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE) Dec.,2021 10.1109/ICRAIE52900.2021.9704030
- Organized a AICTE-ISTE(STTP) on “ Advances in Power generation from renewable energy Sources” at Poornima College of Engineering, Jaipur for 6 days dated 06/12/2021 to 11/12/2021
- DST-NIMAT PROJECT Entrepreneurship Programme PCE and EDII, Ahmedabad for 15 days dated 4/4/2022 to 28.04.2022
- ATAL FDP Academic Leadership in Higher Education Central University of Rajasthan for 5days dated 2021-05-17 to 2021-05-21

### DR. PANKAJ GAKHAR

- Presented paper on “A Double-Ended Scheme for Fault Identification and Phase-Type Categorization in Fixed Series Compensated Transmission Line during Distorted Signals “ 2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE) Dec.,2021 10.1109/ICRAIE52900.2021.9703834
- Presented paper on “ Optimal Allocation of Distributed Generator placement: An Optimal Approach to Enhance the Reliability of Micro-Grid”2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE) Dec.,202110.1109/ICRAIE 52900.2021.9703971
- Attended AICTE-ISTE(STTP) on “ Advances in Power generation from renewable energy Sources” at Poornima College of Engineering, Jaipur for 6 days dated 06/12/2021 to 11/12/2021
- Completed Two Days Workshop on LATEX & ZOTERO on 9th & 10th February, 2022, organized by Department of Electrical & Electronics Engineering, Poornima University, Jaipur.
- AICTE recognized Short Term Course on “Digital Media Tools for Effective Teaching Learning through ICT” conducted by Electronics and Communication Engineering Department from 21.03.2022 to 25.03.2022 (One Week) at Poornima College of Engineering, Jaipur (Rajasthan).
- Participated in Online Two Week Multidisciplinary Faculty Development Program on “Advancement in Engineering Applications” organized by Department of Electrical Engineering, Engineering College, Jhalawar during 14th to 25th March, 2022.

### DR. MONIKA VARDIA

- Published a paper “Imaging Time-Series technique with CNN for Power Quality Disturbances Classification”, in 4<sup>th</sup> International Conference on Energy, Power and Environment (ICEPE-2022), NIT Meghalaya, India, 2022.
- A book chapter named as “Augmentation of PV-Wind Hybrid Technology with adroit Neural Network, ANFIS and PI Controllers indeed precocious DVR system”, accepted as chapter to Book titled “Artificial Intelligence-based Smart Power Systems”. (Publisher: Wiley-IEEE Press)
- Attended a AICTE-ISTE(STTP) on “ Advances in Power generation from renewable energy Sources” at Poornima College of Engineering, Jaipur for 6 days dated 06/12/2021 to 11/12/2021





## DR. GAURAV JAIN

- Jain, G., Rawat, K., Agarwal N., Sharma, V., (2021), “Hybrid SPV & Fuel-Cell power optimization by Battery Storage System for utility network load with & without Grid”, Proceedings of 6th IEEE International Conference on Recent Advances and Innovations in Engineering- ICRAIE 2021 (01-03 Dec. 2021), Universiti Teknologi MARA (UiTM) Kedah, Malaysia.
- Jain, G., Katal, N., Verma P., Jayaswal, K., (2021), “Global Maximum PowerPoint Tracking methods for Multi-Peak Power versus Voltage Curve Photovoltaic: A review”, Proceedings of 6th IEEE International Conference on Recent Advances and Innovations in Engineering- ICRAIE 2021 (01-03 Dec. 2021), Universiti Teknologi MARA (UiTM) Kedah, Malaysia.
- Jain, G., Sonwane, P., Gakhar P., Varshney, T., Garg, N., (2021), “Optimal allocation of Distributed Generator placement: An optimal approach to enhance the reliability of micro-grid”, Proceedings of 6th IEEE International Conference on Recent Advances and Innovations in Engineering- ICRAIE 2021 (01-03 Dec 2021), Universiti Teknologi MARA (UiTM) Kedah, Malaysia.
- Jain, G., Kumawat, R., Gothania, B., (2022), “A Novel Fuzzy Direct Control of Induction Motor Drive”, Proceedings of 2nd International Conference on Sustainable Energy, Environment and Green Technologies (ICSI GT 2022), 24, 25 June. 2022, Poornima College of Engineering, Jaipur. (Accepted for Publication)
- G. Jain, P. Singh, R. Choudhary, S.S. Bisht, T. Chand, “Analyze the Effects of Partial Shading Conditions on Solar Photovoltaic Panels”, Proceedings of International Journal for Research in Applied Science & Engineering Technology, vol.9, no.6, pp.4156-4161, July 2021. (ISSN 2321-9653 (Online) <https://doi.org/10.22214/ijraset.2021.35972>).
- G. Jain, D. Chouhan, M. Yadav, “Application of Quad rotor drone to Combat COVID-19: A Review”, International Journal of Research in Engineering and Science (IJRES), vol.10, no.2, pp.13-20, Feb 2022. (ISSN 2320-9364 (Online)).
- G. Jain, K. Pareek, H. Shringi, “A Review on Weather forecasting with smart security system solar based street light”, International Journal of Advances in Engineering and Management (IJAEM), vol.4, no.2, pp.226-232, Feb 2022. (ISSN 2395-5252 (Online)). DOI: 10.35629/5252-0402226232.
- G. Jain, D. Chouhan, G. Srivastava, “Design and Simulation Analysis of 100 KWP Solar Plant: A Comparative Analysis of Various Photovoltaic Technologies”, Strad Research, vol.9, no.1, pp.162-174, Jan 2022. (ISSN 0039-2049 (Online)). <https://doi.org/10.37896/sr9.1/018>.
- G. Jain, V. Kulshreshtha, D.K. Palwalia, N. Garg, “Fault Control with Smart Circuit Breaker for Deregulated System”, International Journal of Advances in Engineering and Management (IJAEM), vol.4, no.6, pp.784-786, June 2022. (ISSN 2395-5252 (Online)). DOI: 10.35629/5252-0406784786.
- Gaurav Jain, Prof. Bhanu Pratap Soni, Neeraj Kumar Garg, “An Integrated Hybrid Energy System’s Techno-Economic Feasibility Analysis”, Shineeks Publications, USA, Feb 2022.
- One Month course on “Electric Vehicle Matlab Design” organized by Pentech Solutions Bangalore, From 17 Oct 2021 th-16th Nov 2021
- Two week short term course on “Digital Tools for Writing, Authoring and reviewing manuscripts” organized at Malaviya National Institute of Technology Jaipur & EDICT from 12th-23th July 2021.
- Five day AICTE Training and Learning (ATAL) faculty development program on “Recent Advances and Application of IOT in Renewable Energy Technologies” organized at School of Engineering and Technology, IGNOU, New Delhi from 23th-28th Aug 2021.
- One week online short term course on “Power System Restructuring and Renewable Energy Integration (PSRREI) 3.0” organized at Bharati Vidyapeeth College of Engineering, New Delhi from 6th-10th Sep 2021.
- Five day faculty development program on “Techno-Economic Assessment of Flexibility Competency in Deregulated Power System” organized at Swamikeshvanand Institute of Technology, Jaipur from 20th-24th Sep 2021.



- Five day National Workshop on “Present scenario and recent trends in engineering and Technologies phase-I” organized at Modi Institute of Technology, Kota from 01st-05th Feb 2022.
- One week faculty development program on “Recent Advancements in Electrical Transportation Technologies” organized at Vivekananda Institute of Technology, Jaipur from 07th-11th Feb 2022.
- One Day Workshop on “Advancement and innovation in Hybrid Vehicle Technology” organized at Poornima College of Engineering Jaipur from 4 August 2021.
- Two week faculty development program on “Advancement in Engineering Applications” organized at Government Engineering College Jhalawar from 14th -25th Mar 2022.

#### MAYANK SHARMA

- Vivaldi Antenna for UWB Applications: A Review, Mathematical Statistician and Engineering Applications ISSN: 2094-0343 2326-9865 <https://doi.org/10.17762/msea.v71i1.41> Vol. 71 No. 1 (2022) <http://philstat.org.ph69>
- Experimental evaluation of a long still with galvanised iron sheet as condensing cover at different basin water flow rate: study of heat and mass transfer, International Journal of Ambient Energy, 2021

#### DR. JYOTI SHUKLA

- Published a paper “Imaging Time-Series technique with CNN for Power Quality Disturbances Classification”, in 4th International Conference on Energy, Power and Environment (ICEPE-2022), NIT Meghalaya, India, 2022.
- Published a paper , “Detection of Fault Disturbances in a DG Integrated Hybrid Power System using H-S Transform and Wavelet Transform” in EPREC-2022 at NIT Jamshedpur, India, 2022.  
Book Chapter: A book chapter named as “Augmentation of PV-Wind Hybrid Technology with adroit Neural Network, ANFIS and PI Controllers indeed precocious DVR system”, accepted as chapter to Book titled “Artificial Intelligence-based Smart Power Systems”. (Publisher: Wiley-IEEE Press)
- Expert lecture delivered on “Issues in Distribution system Reconfiguration” at Institute of Technical Education and Research, Bhubaneswar
- Attended an AICTE-ISTE(STTP) on “Advances in Power generation from renewable energy Sources” at Poornima College of Engineering, Jaipur for 6 days dated 06/12/2021 to 11/12/2022.

#### PANKAJ VERMA

- Presented paper on “A Double-Ended Scheme for Fault Identification and Phase-Type Categorization in Fixed Series Compensated Transmission Line during Distorted Signals “ 2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE) Dec., 2021 10.1109/ICRAIE52900.2021.9703834
- Published a paper on “Global Maximum Power Point Tracking methods for Multi-Peak Power versus Voltage Curve Photovoltaic: A review”, Proceedings of 6th IEEE International Conference on Recent Advances and Innovations in Engineering- ICRAIE 2021 (01-03 Dec. 2021), Universiti Teknologi MARA (UiTM) Kedah, Malaysia.
- Attended a AICTE-ISTE(STTP) on “Advances in Power generation from renewable energy Sources” at Poornima College of Engineering, Jaipur for 6 days dated 06/12/2021 to 11/12/2021
- DST-NIMAT PROJECT Entrepreneurship Programme PCE and EDII, Ahmedabad for 15 days dated 4/4/2022 to 28.04.2022





## AJIT SINGH RAJAWAT

- Robust Control Techniques for Four-Area System with DFIG System 2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE) Dec., 2021.
- Online Workshop on PRESENT SCENARIO AND RECENT TRENDS IN ENGINEERING AND TECHNOLOGIES PHASE-I (PSRT, FEB - 2022) Modi Institute of Technology, Kota 5 01/02/2022 to 05/02/2022. The Institution of Engineers (India) & ICT Academy (FDP) at Vivekananda Institute of Technology, Jaipur & Vivekananda Global University, Jaipur 5 07/02/2022 to 11/02/2022
- AICTE-ISTE(STTP) Application of Artificial Intelligence using Machine Learning and deep learning Poornima Institute of Engineering & Technology, Jaipur 6 18/12/2021 to 24/12/2021
- STTP Writing and Publishing of Quality Research Articles and Ethics of Research Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur 5 days on dated 21/02/2022 to 25/02/2022
- Attended an AICTE-ISTE(STTP) on “Advances in Power generation from renewable energy Sources” at Poornima College of Engineering, Jaipur for 6 days dated 06/12/2021 to 11/12/2021.



## STUDENT ACHIEVEMENTS

- Yashshvi Meena, Nidhi Singh Bunker, Mayank Yadav & Saney Thakur presented a paper on Application of Quad rotor drone to Combat COVID-19: A Review in IJRES Journal Publication.
- Kanak Pareek, Harshvardhan Shringi, Harshit Kumar Meharchandani & Ankit Mali presented a paper on A Review on Weather forecasting with smart security system solar based street light IJAEM Journal Publication.
- Mohit Joshi, Nidhi Singh Bunker, Mayank Yadav, Khushi Verma & Jatin Agarwal presented a model on Scenario Making Using IPG Carmaker Technovation 2021 Model Presentation competition & got First Position (1st).
- Mayank Yadav & Nidhi Singh Bunker participated in National Level Project Competition TECH EXPO 2022 Avi Aero Cisear Aircraft.
- Mayank Yadav participated in Avi Aero Cisear Aircraft Technical Event at JU Rhythm 2022 (JECRC Jaipur) & he got First Position (1st).
- Hariom Choudhary participated in Webinar on titled “Objects and Human Faces Detection using Machine Learning”
- Hariom Choudhary participated in Two day Workshop on “Mathematical modeling and Design optimization of solar photovoltaic System and Electrical Vehicle”
- Achal Singhal participated in a webinar on Basics of Research Paper Writing.
- Ashutosh Dashora 4th year Electrical Engineering cleared the GATE exam.



## DEPARTMENT OF INFORMATION TECHNOLOGY

### VISION

To attain distinction in education to enable students for their establishment as globally competent professionals and empowering them with proficiency, knowledge and research ability required to be successful in the field of Information Technology.

### MISSION

- To provide state-of-the-art facilities with modern IT tools to students and faculty thereby enabling them to develop sustainable solutions for real world problems.
- To create and propagate knowledge in the field of Information Technology through research, teaching and learning for meeting societal challenges.
- To inculcate analytical, leadership and team working skills with ethical behavior in students and provide an environment for continuous learning.

### About The Department

Department of Information Technology was established in year 2001. In terms of results and placements, the department is regarded as one of the college's most vibrant departments. The study of Information Technology basically deals with application of computational technologies for storage, retrieval, transmission and manipulation of the information which is a processed data. Both software and hardware sectors are parts of Information Technology. The Department caters to the current needs of undergraduate engineering program (B. Tech.) in Information Technology by providing state of art infrastructure.

The Department's goal is to provide its students with both theoretical and practical knowledge in order to make them employable and ready for industry entry. Department has produced excellent IT engineers who are working in various reputable organizations and pursuing higher education at prestigious institutes.

Some of the demanding courses offered by the B. Tech in IT program include Machine Learning, Artificial Intelligence, Information Security, Big Data Analytics, and Internet of Things. To enhance the interdisciplinary knowledge of the students the program encompasses different open elective courses which are offered by other engineering branches. The class lectures, laboratory experiments and student projects prepare the students for a career in software industry and for future post graduate studies.

Department has very close interaction with local and national industries and their inputs are taken into consideration to give value additions to our programs such as seminars, projects, various workshops and training programs. Different syllabus and non-syllabus activities like projects, seminars, educational visits, expert lectures, technical workshops etc. are regularly organized by the department for continuous growth of its students.

We are also involved in a number of external collaborations, which keep our faculty members up to date on industry requirements and allow us to deliver the most relevant lectures/practical and tutorials. Faculty members participate in workshops/seminars and training programmes organized within and outside the college on a regular basis to improve their knowledge and keep up with the pace of global competition. Faculty and students are earning credits for various curriculum-oriented courses through professional certifications such as NPTEL, Swayam, Coursera etc.

Faculty members are also actively engaged in research and regularly publish their findings in prestigious national and international conferences and indexed journals. Students have also chosen their technical focus areas and are expanding their knowledge and expertise in those areas by attending relevant workshops, seminars, and conferences, as well as developing small projects under faculty supervision. The students also undertake quality projects and publish papers at various prestigious conferences, paper presentation and design contests under the guidance of faculty members.





Students of the department have excelled in their assignments in different organizations over the years. This fact is substantiated by the excellent placement records and the fact that large numbers of prestigious multinational companies are visiting the college for placements.

The department has strong alumni network, many of whom are serving on influential positions in multinational IT industry, academia, Govt. and public sectors.

## PROGRAM OUTCOMES (PO)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- Graduates will perform effectively as individuals and team members of multidisciplinary projects to create innovative and sustainable solutions for societal problems, meeting with global challenges and emerging trends.
- Graduates will possess core competence in Information Technology and allied engineering fields thereby maintaining the leading positions in industry and/ or excel in higher studies.
- Graduates will exhibit professionalism, ethical attitude, communication ability, spirit of entrepreneurship and adapt to current advancements through research ability and lifelong learning.



## PROGRAMME SPECIFIC OUTCOMES (PSO)

- Analyze, design and develop efficient algorithms and software applications to deploy in a secure network enabled environment meeting ever changing societal needs in economically acceptable terms.
- Comprehend and apply knowledge of contemporary areas in Information Technology viz. Cloud based technologies, Machine Learning, Data Analytics, IOT and Network and Cyber Security to develop creative software solutions for automation of various industrial requirements.
- Exhibit familiarity and practical competence in modern programming languages and open source platforms so as to develop innovative projects related to business applications.

## MESSAGE FROM HEAD OF DEPARTMENT

Welcome to the Department of Information Technology at Poornima College of Engineering, Jaipur.

The department aims to provide its students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs. Since its inception, the department has had a track record of excellent university results and placements. Department provides a platform for the students to enhance their employability skills through various training programs and industry-institute collaboration.

During the pandemic time, the faculty members promptly adopted the online delivery mode without compromising the quality of the delivery. Students also showed their disciplined efforts to learn in online mode in the best possible ways.

Faculty members are engaged in research and development activities and regularly participate in conferences, seminars, and faculty development programs within and outside the college through a well-supported system.

The Department is proud to be a part of a strong alumni network, with many alumni holding influential positions in the IT industry and academia at both the national and international levels.

I am confident that the department's students would uphold the department's credibility by demonstrating a high degree of professional competence in their respective fields.



**Dr. Gajendra Singh Rajawat**

## ACTIVITY HELD IN DEPARTMENT

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1.	Alunimi session by Diksha Gupta - Replicon, Software Engg. Diksha Kejriwal - IBM India, Associate S/W Engineer	March 05,2022	Shazia Haque
2.	WISE Activity - Placement Process and preparation for placement interviews	March 05,2022	Sita Gupta
3.	A seminar on SAP AppGyver Platform	April 20, 2022	Shirish Nagar
4.	Teacher's Day Celebration	September 06, 2021	Amol Saxena
5.	Engineers' Day	September 15, 2021	Dr. Nitesh Kaushik
6.	Orientation programme	September 20-25, 2021	All Faculty Members
7.	Manthan- Inter-college Debate Competition	September 21, 2021	Shazia Haque
8.	Alumni Session by Siddharth S. Nehra, Working as Lieutenant commander, Indian Navy, Kochi	November 25, 2021	Dr. Nitesh Kaushik





### Session Highlights:

- Shared experience as an engineering student at PCE.
- Discussed about the career options in Indian Navy and other defense services for engineers.
- Asked students to focus on communication skills and GDs as these are very important from placement perspectives.
- Motivated students to be active in technical learning like programming and problem solving abilities.



### Alumni Details

Name of Alumni	: Diksha Gupta and Diksha Kejriwal
Pass-out Year & Branch	: 2020, IT (Both)
Educational Qualification	: B. Tech IT
Current Employer & Position	: Diksha Gupta - Replicon, Software Engineer Diksha Kejriwal - IBM India, Associate S/W Engineer
Ph. No. & Email-Id	: 9166699740, dikshag497@gmail.com and 7231972592, dkejriwal5@gmail.com



### Session Details

Venue	: AG-03
Date & Time	: 5.3.2022, 10:30 AM to 12:00 PM
Student Beneficiaries	: II Year IT(30)



### Session Highlights:

- Discussed about new technologies like ML, AI, web development GraphQL etc.
- They discussed about the importance and need of projects during B.Tech.
- They also discussed about the Placement Process (Basic criteria, different rounds of placement process etc.) along with the roadmap to a good Placement (Platforms for competitive programming, its importance, Personality development, Non technical qualities)
- Guided students regarding various Internships/Trainings (How to get internship-like platform and basic skills required, effective ways to grab internship/training)
- Both alumni also highlighted the importance of MOOC courses, time management and extracurricular activities during student life.
- Some other points about Companies and Jobs that were discussed during session like Different types of Companies (Product based and Service based), Cross field opportunities (Jobs in Tech and Non-Tech companies) and how to have career oriented preparation (focused approach).





## Engineer's Day

Engineer's Day was celebrated in online mode on 15th September, 2021 from 9:45 am to 11:10 am. On this occasion a session on "Recent Trends in Software Industry" was arranged which was delivered by Mr. Ayush (Alumnus 2018 Batch, IT) and Ms. Rupal Jhalani (Alumnus 2018 Batch, IT). The program was attended by the students of II, III & IV Years. The detail of activities is given below.

### Activity Details

- Ms. Khushi Sharma (III Yr student) welcomed all faculty members and students and read the Engineer's day message which included significance of Engineer's day, why it is celebrated on 15th September and brief biography of Sir Mokshagundam Visvesvaraya.
- A session on "Recent Trends in Software Industry" was delivered by Mr. Ayush (Alumnus 2018 Batch, IT) and Ms. Rupal Jhalani (Alumnus 2018 Batch, IT). The outline of the session is as follows.
  - Experience Sharing in industry – Overview about current Companies in which they are working
  - Projects on which they have worked and working currently.
  - What is DevOps? What is the role of a Dev Ops Engineer?
  - How Dev Ops model has sped up the software development process?
  - Source Code Management (SCM) Tools like git, CVS, AWS CodeDeploy, AWS CodeCommit, AWS CodePipeline etc.
  - Relevance of the knowledge of Software Engineering steps.
- Ms. Khushi Sharma (III Year student) proposed the vote of thanks in the end.

# POORNIMA

## COLLEGE OF ENGINEERING

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302 022 (Rajasthan) • Telefax : +91-141-2770790, 91, 92  
E-mail : [info@poornima.org](mailto:info@poornima.org) • Website : [www.pce.poornima.org](http://www.pce.poornima.org)

### Department of Information Technology

**Engineer's Day Celebration**  
(15<sup>th</sup> September-2021, Wednesday)

A guest lecture on "Recent Trends in Software industry" by 2018 IT Batch Alumni:  
 • Mr. Ayush, Software Development Engineer (SDE-2), Sporta Technologies Pvt. Ltd., Mumbai.  
 • Ms. Rupal Jhalani, System Engineer, TCS.

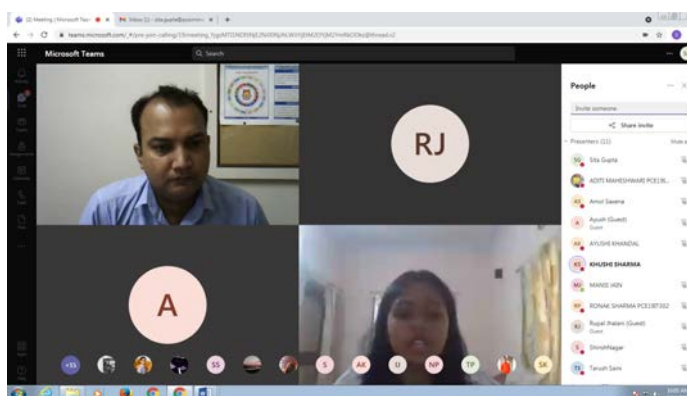
**Time: 9:45 to 11:10 AM**

*Scientists dream about doing great things. Engineers do them.*

*Happy Engineer's Day*

MS Teams Link:  
<https://tinyurl.com/r7vduay9>

SAVE WATER      SAVE GREENERY      SAVE EARTH







## Awardees of Manthan-2021

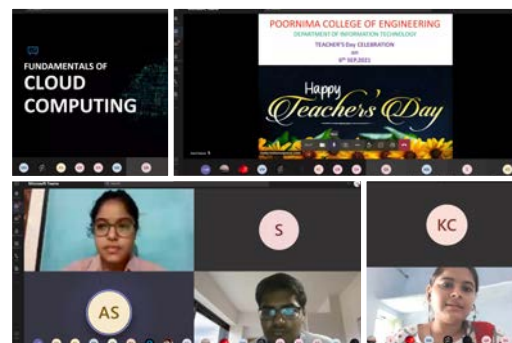


## Teacher's Day Celebration

**Teacher's Day** was celebrated in online mode on **6<sup>th</sup> September, 2021** from 11:00 am to 12:15 pm. On this occasion different technical and non-technical activities were organized by the students. The program was attended by total 70 students of II (20), III (38) & IV (12) Years. The detail of activities is given below.

### Activity Details

- Ms. Kajal Lal Chandani (III Yr) welcomed all faculty members and students and gave an introduction of different activities planned by the department on Teacher's Day.
- Ms. Sakshi Agrawal (III Yr) read the teacher's day message which included significance of teacher's day, why teacher's day is celebrated on 5<sup>th</sup> September and brief biography of Dr. Sarvepalli Radha Krishnan
- A technical session on "Cloud Computing" was delivered by Mahesh Rathi (III Yr). The outline of the session is as follows.
  - Cloud Computing (why it is important)
  - Types of clouds (Public, Private, Hybrid)
  - Cloud providers (Google, Microsoft, Apple etc.)
- A technical session on "App Development" was delivered by Naman Khamesra (III Yr). The outline of the session is as follows.
  - App Development (why it is important)
  - Types of APPs (Android, ios etc)
  - Development Tools
- Ms. Vartika Jain (III Yr) presented a small speech on the significance of Teacher's Day. She also appreciated the continuous efforts made by faculty members and college management in conducting all academic activities including regular classes in online mode so that studies do not get hampered in this current pandemic situation.
- In the end Dr. Gajendra Singh Rajawat (HoD-IT) thanked student coordinators for organizing different activities, all other students for their participation and faculty members for guiding the different activities.





## SAP AppGyver platform

### Introduction

A 3-hours session on “SAP AppGyver platform” was organized by Department of Information Technology under the aegis of ‘RTU Centre of Excellence in Artificial Intelligence and Big Data’ on Wednesday, 20th April-2022 from 10:00 AM to 01:00 PM at RTU COE Labs, PCE.

SAP AppGyver platform is a visual programming environment where developers can build enterprise ready customer software without writing code for the Web and for native mobile use.

The session was conducted in hybrid mode where one of the experts Mr. Rahul Sachdev Director, SAP University Alliances India Subcontinent interacted with the students in offline mode.

The other two experts Mr. Gopal Anand and Mr. Vipin VijayKumar joined virtually using the Google Meet platform.

### Session Objectives

1. To introduce students to the new innovations taking place in the software industry.
2. To give an overview visual programming environment where developers can build enterprise ready customer software without writing code.
3. To make students aware about various certification courses initiated by SAP.

### Profiles of Resource Persons/ Experts

The session will be conducted by the following experts from SAP India Pvt. Ltd.

**Mr. Rahul Sachdev:** Director, SAP University Alliances India Subcontinent, SAP India Pvt. Ltd.

**Mr. Gopal Anand:** Software Developer with over 5 years’ experience on the SAP Business Technology Platform. Tech Evangelist, Expertise in technologies like Nodejs, UI5, Low Code - No Code platforms and Application runtimes like Cloud Foundry and Kyma.

**Mr. Vipin VijayKumar:** Application developer with over 5 years of experience on the SAP Business Technology. Passionate about open-source technologies and cloud.

### Inauguration session highlights

The inaugural ceremony of the event witnessed the presence of Dr. Mahesh Bunde Principal & Director-PCE, Mr. Rahul Sachdev Director, SAP University Alliances India Subcontinent, SAP India Pvt. Ltd., Mr. Gopal Anand expert from SAP (joined virtually), Mr. Vipin Vijay Kumar expert from SAP (joined virtually) and Dr. Gajendra Singh Rajawat HoD-IT & event coordinator.

In the beginning of the inaugural session, Dr. Gajendra Singh Rajawat event coordinator and HoD-IT welcomed dignitaries and participating students. In his opening address he briefed about the session, its objectives and outcomes. He said this session will give an overview of visual programming environment where developers can build enterprise ready customer software without writing code for the Web and for native mobile use. Mr. Amol Saxena thanked Mr. Rahul Sachdev, Mr. Gopal Anand and Mr. Vipin VijayKumar for being present to conduct the session for the students of the Poornima Group. Two of the experts Mr. Gopal Anand and Mr. Vipin VijayKumar conducted the session virtually.

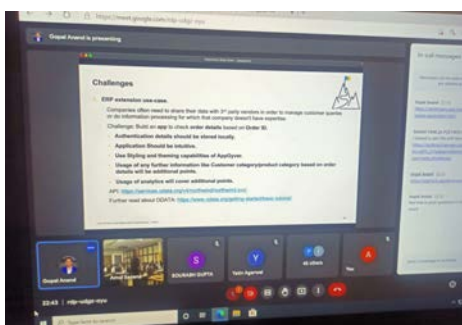
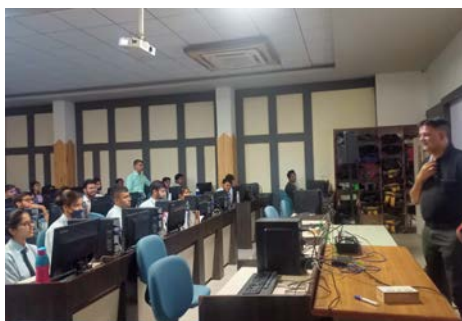
Dr. Gajendra Singh Rajawat then invited Dr. Mahesh Bunde to welcome Mr. Rahul Sachdev by presenting a bouquet and memento. Dr. Mahesh Bunde in his address welcomed Mr. Rahul Sachdev and thanked him for conducting the session on this new SAP platform for the benefit of the students. He said that we are looking forward to have more such interactions, training programs and certification courses to be initiated by SAP under its University Alliance program for the benefit of our students and faculty members.





## Session Highlights

- The first session was conducted from 10:00 am to 11:00 am in which Mr. Gopal Anand and Mr. Vipin VijayKumar conducted an enablement session on SAP AppGyver platform. The experts demonstrated the platform virtually with the help of different case studies and use cases. They showed how web and mobile apps can be developed without writing the code. Videos were also played for the better understanding of the features of AppGyver platform.
- The inaugural session was held from 11:00 am to 11:15 am. The highlights of the same are given above in section 4 of the report.
- The third session was conducted from 11:20am to 1:00pm. In the beginning of the third session Mr. Rahul Sachdev informed students regarding various certification courses available for engineering students under the SAP University Alliance program. He further said that very soon students will receive updated information from Training & Placement Cell of Poornima Group on various SAP certification courses and how they can pursue these courses.
- The second part of the third session was conducted in online mode on Google Meet by the experts Mr. Gopal Anand and Mr. Vipin VijayKumar and the session was based on how to develop apps using the AppGyver platform. The experts demonstrated practically how to use this platform to develop applications. Then, students were divided into the teams of 4-5 students and each team was assigned 2-3 use cases. All teams were supposed to develop a small app/ prototype based on the given use cases on the AppGyver platform. The technical issues faced by the students while working on the AppGyver platform were resolved by the experts in online mode during the session.





## ALUMNI SESSIONS

### Alumni Details

Name of Alumnus : Siddharth S. Nehra  
 Pass-out Year & Branch : 2010, IT  
 Educational Qualification : B. Tech.  
 Current Employer & Position : Lieutenant commander, Indian Navy, Kochi  
 Ph. No. & Email-Id : 9995904894, snehra700@gmail.com

### Session Details

Venue : AG-03  
 Date & Time : 25.11.2021, 11:30 AM – 12:15 PM  
 Student Beneficiaries : III Year IT (50)



## Workshop, Conference & FDP

**Name of Faculty** : Amol Saxena  
**Type of Program** : FDP  
**Title of the Program** : Application of Machine Learning to Software Engineering  
**Organized by** : E&ICT Academy, NIT Warangal & Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar, Odisha  
**Sponsored by** : Ministry of Electronics and Information Technology, Government of India

**Name of Faculty** : Seeta Gupta  
**Type of Program** : FDP  
**Title of the Program** : Applications Of Artificial Intelligence Using Machine Learning & Deep Learning  
**Organized by** : Poornima Institute of Engineering & Technology, Jaipur.  
**Sponsored by** : AICTE

**Name of Faculty** : Seeta Gupta  
**Type of Program** : STTP  
**Title of the Program** : Cloud Infra and BlockChain  
**Organized by** : Poornima College of Engineering, Jaipur  
**Sponsored by** : RTU Recognized Centre of Excellence in AI and Big Data





<b>Name of Faculty</b>	Shazia Haque
<b>Type of Program</b>	FDP
<b>Title of the Program</b>	Applications Of Artificial Intelligence Using Machine Learning & Deep Learning
<b>Organized by</b>	Poornima Institute of Engineering & Technology, Jaipur.
<b>Sponsored by</b>	AICTE

<b>Name of Faculty</b>	Shazia Haque
<b>Type of Program</b>	STTP
<b>Title of the Program</b>	Short Term Training Program on Writing and Publishing of Quality Research Articles and Ethics of Research
<b>Organized by</b>	SKIT Jaipur
<b>Sponsored by</b>	-

<b>Name of Faculty</b>	Shazia Haque
<b>Type of Program</b>	Short Term Course
<b>Title of the Program</b>	Digital Media Tools for Effective Teaching Learning through ICT
<b>Organized by</b>	Poornima College of Engineering, Jaipur
<b>Sponsored by</b>	NITTTR, Chandigarh

<b>Name of Faculty</b>	Dr. Gajendra Singh Rajawat
<b>Type of Program</b>	FDP
<b>Title of the Program</b>	Research Art icles and Ethics of Research
<b>Organized by</b>	SKIT Jaipur
<b>Sponsored by</b>	AICTE

<b>Name of Faculty</b>	Shazia Haque
<b>Type of Program</b>	FDP
<b>Title of the Program</b>	Computer Vision and Image Processing
<b>Organized by</b>	SKIT Jaipur
<b>Sponsored by</b>	-

<b>Name of Faculty</b>	Shirish Nagar
<b>Type of Program</b>	NPTEL Course
<b>Title of the Program</b>	Python for Data Science
<b>Organized by</b>	IIT Madras
<b>Sponsored by</b>	AICTE



**Name of Faculty** Shirish Nagar  
**Type of Program** FDP  
**Title of the Program** Deep Learning and Computer Vision (CV)  
**Organized by** EduxLabs (ESOIR Business Solution)  
**Sponsored by** E-Cell , IIT Hyderabad

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**Name of Faculty** Shirish Nagar  
**Type of Program** FDP  
**Title of the Program** Digital Media Tools for Effective Teaching Learning through ICT  
**Organized by** Poornima College of Engineering, Jaipur  
**Sponsored by** NITTTR, Chandigarh

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**Name of Faculty** Shirish Nagar  
**Type of Program** STTP  
**Title of the Program** Data Analytics Using Artificial Intelligence  
**Organized by** Centre of Excellence - AI & Big Data  
**Sponsored by** Poornima College of Engineering

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**Name of Faculty** Shirish Nagar  
**Type of Program** Training Program  
**Title of the Program** Innovation Ambassador Training  
**Organized by** Ministry of Internal Affairs and Communications  
**Sponsored by** Government of India

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**Name of Faculty** Shirish Nagar  
**Type of Program** Faculty Enablement Program  
**Title of the Program** Python Programming through INFYTQ  
**Organized by** Infosys Ltd.  
**Sponsored by** Infosys Ltd.





## Faculty Achievements

### Journal Publication

Title of paper	Name of the author(s)	Name of journal	Category of Journal
Search Engine Optimization for websites	Dr Gajendra Singh Rajawat	Journal of Analysis and Computation	UGC Care
Implementation of IOT for Smart Cities	Dr Gajendra Singh Rajawat	Journal of Analysis and Computation	UGC Care

### Conference Publication

Title of paper	Name of the author(s)	Name of Conference
Comparative Analysis for the Prediction of Various Lung Diseases through Chest X-Ray Image	Ms. Harshita Virwani, Dr. Gajendra Singh Rajawat	2nd International Convention on Green Environment Technology & Entrepreneurship through innovation - 5th
Review on Enhancement of Multilayer Microstrip Antenna Parameters by modifying ground plane for L Band Application	Mr. Saurabh Anand	International Conference on Advances in Electrical, Computing Communication and Sustainable Technology (AECCST-2021) organized by RTU Kota & Arya Institute Engg. & Technology, Jaipur
Search Engine Optimization for websites	Dr Gajendra Singh Rajawat	3rd International Conference on Information Technology & Security Applications (NCITSA 2021) JECRC Jaipur .ISSN 0973-2861
Implementation of IOT for Smart Cities	Dr Gajendra Singh Rajawat	3rd International Conference on Information Technology & Security Applications (NCITSA 2021) JECRC Jaipur .ISSN 0973-2861



## DEPARTMENT OF MECHANICAL ENGINEERING

### VISION

To be recognized for quality education in the field of Mechanical Engineering and identified for its innovation & excellence.

### MISSION

- To provide education that transforms students through rigorous teaching and thought process to fulfill the needs of the society and industry.
- To collaborate with leading industry partners and other academic & research institutes around the world to strengthen the education and research ecosystem.
- To prepare students with life-long learning for their career by fostering in them the ethical & technical capabilities pertinent to mechanical & allied engineering.

### About the Department

The Department of Mechanical Engineering of PCE came into existence in the year 2004 with an alignment of the department's evolution with key events and technological advances for the betterment of society and nation. At present, it has an intake of 30 students providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. Poornima believes that Mechanical Engineering is an evergreen branch in the engineering profession. Therefore, the Department of Mechanical Engineering has renowned scholars as the faculty members for imparting the knowledge. The department organizes various workshops, seminars, expert talks and presentations at national and international level. It has been taking initiatives for the versatile enhancement of the students through the technical, cultural and sport fests since its establishment.

### PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- PEO 1:** Graduates will have Fundamental & multidisciplinary knowledge with an ability to analyze, design, innovate and handle realistic problems.
- PEO 2:** Graduates will possess ethical conduct, a sense of responsibility to serve society and protect the environment.
- PEO 3:** Graduates will have a strong foundation in academics, leadership qualities and lifelong learning for a prosperous professional career.

### PROGRAM SPECIFIC OUTCOMES (PSO)

- PSO1.** Design, analyze and innovate solutions to technical issues in Thermal, Production and Design Engineering.
- PSO2.** Exhibit the knowledge and skills in the field of Mechanical & Allied engineering concepts.
- PSO3.** Apply the knowledge of skills in HVAC&R and Automobile engineering.







## PROGRAMME OUTCOMES (PO)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## MESSAGE FROM HEAD OF DEPARTMENT

The Department of Mechanical Engineering of PCE came into existence in the year 2004 with an alignment of the department's evolution with key events and technological advances for the betterment of society and nation. At present, it has the intake of 30 students providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. Department of Mechanical Engineering comprise 22 Faculty Members and 5 Technical Assistants.

Students of the Department of Mechanical Engineering are showing impeccable performance. Students are getting placements in various companies i.e. Pinnacle Infotech Solution, TCS, Wipro, Cognizant, Adani Group, Design2Occupancy Service LLP etc. Department is successfully running the various professional societies chapter i.e. ASHRAE, ISHRAE, SAE. The department conducted various conferences, workshops, seminars, expert talks and RTU TEQIP-III funded FDP.



**“JAI JAI POORNIMA SANSTHAN, JAI HIND”**

**Dr. Narayan Lal Jain**



## ACTIVITIES HELD IN THE DEPARTMENT

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1.	National Webinar on Computer aided drug designing tools	July 17, 2021	Dr. Mohammad Israr Dr. Narayan Lal Jain
2.	Energy Efficiency and The Electric Car	August 12, 2021	Dr. Mohammad Israr Mr. Buddhi Panwar
3.	An Expert Talk on Toyota Hybrid System	August 31, 2021	Dr. Narayan Lal Jain
4.	India's Strides in Space	July 10, 2021	Dr. Surendra Kumar Saini
5.	Advancement and Innovation in Hybrid Vehicle Technology	August 4, 2021	Dr. Surendra Kumar Saini Mr. Ankit Tygi
6.	Digital Manufacturing Evolutions for Smart Industries	August 20, 2021	Dr. Surendra Kumar Saini Mr. Devesh Kumar
7.	Role of CFD in Manufacturing Processes	September 18, 2021	Dr. Surendra Kumar Saini
8.	Basics of CNC Machines and its programming	November 26, 2021	Dr. Surendra Kumar Saini
9.	Industrial Visit at CIPET, Jaipur	December 2, 2021	Dr. Surendra Kumar Saini Mr. Bhavesh Devra
10.	National Webinar on Journey from Engineering to Medical Healthcare Startup	December 21, 2021	Dr. Surendra Kumar Saini Mr. Ankit Tygi
11.	Second International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022)	June 24-25, 2022	Dr. Raj Kumar Satankar
12.	Career in Aviation-The World of Flying Machines	February 11, 2022	Mr. Kalpit Jain Mr. Sanjay Kumawat
13.	Innovative Research proposal: Grant to Technology Readiness level	February 10, 2022	Dr. Surendra Kumar Saini
14.	Industrial Visit at Bhamashah technohub, Jaipur	February 8, 2022	Dr. Surendra Kumar Saini
15.	Design Tools for Value Added Engineering	February 14, 2022	Mr. Kalpit Jain Mr. Sanjay Kumawat
16.	Entrepreneurship Awareness Camp-1 on "Introduction of Entrepreneurship in Development of Society"	April 4-6, 2022	Mr. Kalpit Jain
17.	Two days Boot Camp on Startup Ecosystem Digifest visit at Birla Auditorium Jaipur	August 20, 2022	Dr. Surendra Kumar Saini Mr. Prashant Mishra
18.	Opportunities for Students and Faculties: Early Stage Entrepreneurs & Plastic Waste to Wealth: Indigeneous Manufacturing of Momentous	August 9, 2022	Dr. Surendra Kumar Saini
19.	Workshop on Enterpreneurship and Startup	March 28, 2022	Dr. Surendra Kumar Saini
20.	Industrial Visit at Jaipur Foot, Jaipur	February 20, 2022	Dr. Surendra Kumar Saini Mr. Sourabh Mathur
21.	Two Days Workshop on Programming and Practicse on CNC & VMC Machines		December 9-10, 2021 Dr. Surendra Kumar Saini
22.	National Webinar on Journey from Engineering to Medical Healthcare Startup	December 21, 2021	Dr. Surendra Kumar Saini
23.	Industry Expert Lecture on Basics of CNC Machines and its programming	November 26, 2021	Dr. Surendra Kumar Saini
24.	Industrial Visit at Tarun International Limited, Jaipur	November 26, 2021	Dr. Surendra Kumar Saini
25.	Industry Expert Session on Metallography Principles and Practices by MetaTech Industry Pune	July 3, 2021	Dr. Surendra Kumar Saini

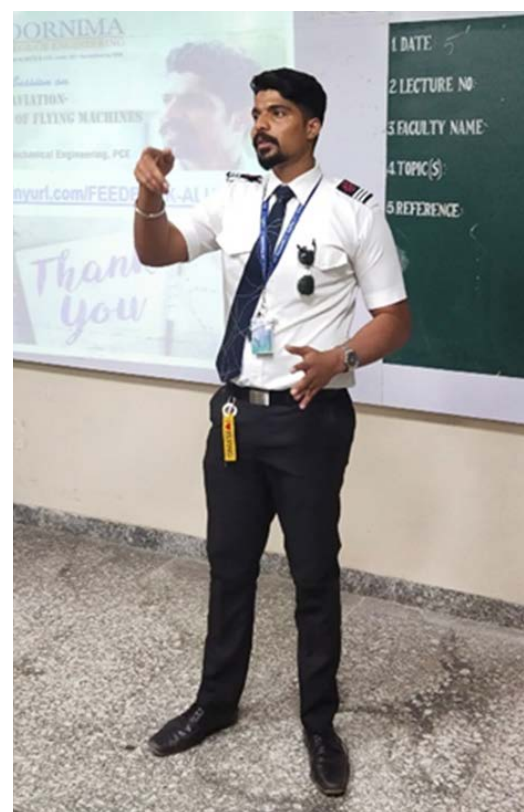




S.No.	Full Name of the Activity	Date	Coordinator of Activity
26.	One week FDP on Digital Manufacturing Evolutions for Smart Industries	August 16-20, 2021	Dr. Surendra Kumar Saini
27.	Celebration of Engineers Day	September 15, 2021	Dr. Akshay Jain
28.	Celebration of Vishwakarma Jayanti	September 17, 2021	Dr. Raj Kumar Satankar
29.	An Expert Lecture on "Introductory Session by Siemens Centre of Excellence", with NIT, Kurukshetra, India	August 11, 2021	Mr. Ashwani Kapoor
30.	Love Chaturvedi, Tech Lead, Infoysis	November 23, 2022	Mr. Kalpit Jain Mr. Sanjay Kumawat
31.	Celebration of Vishwakarma Jayanti	September 17, 2022	Dr. Raj Kumar Satankar
32.	Industrial Visit at Universal Autofoundry Ltd. Jaipur	September 28, 2022	Dr. Surendra Kumar Saini
33.	Celebration of Engineers Day	September 15, 2022	Dr. Amit Mandal
34.	Toyota Hybrid Awareness Drive	September 28, 2022	Mr Sanjay Kumawat
35.	Celebration of Vishwakarma Jayanti	September 17, 2022	Dr. Raj Kumar Satankar
36.	Teachers Day Celebration	September 5, 2018	Dr. Surendra Kumar Saini

### Alumni Session on “Career in Aviation-The World of Flying Machines” Friday; Feb11, 2022:

Department of Mechanical Engineering, PCE organized an alumni session on the topic “Career in Aviation-The World of Flying Machines” on February 11, 2022. It was delivered by Mr. Madhav Dadhich, Cadet Pilot, Indigo Airlines. The main objective of this session is to get students with the concept of Aviation. Mr. Madhav Dadhich discusses that the aviation industry, an integral part of society, needs qualified people for an array of aviation careers. The aviation industry provides careers requiring various analytical and thinking skills. He elaborates that the concept of aviation, many of the entry-level aviation jobs include extensive customer service contact requiring strong communication and interpersonal skills. Mr. Madhav Dadhich explained the criteria for a career in aviation. He discusses that some aviation careers require certification from the Federal Aviation Administration, such as pilot and air traffic control specialist. Some aviation careers, including an aviation business manager, may require a college degree. Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur welcomed the alumni with a memento and all the participants in session. Mr. Kalpit Jain, Assistant Professor, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur introduced the guest and spoke about the session. Thereafter, Mr. Madhav Dadhich, clarified the concept of aviation as a course and career profile is only for those who are passionate about this field. He simplifies that aviation is the ability to identify with people and relate to them in a way that increases your influence with them. After the presentation, students raised the query regarding aeronautical and aerospace engineers. The session ended with the vote of thanks by Mr. Sanjay Kumawat, Assistant Professor, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur.





## Industrial visit at Techno-Hub Jaipur on December 2, 2021

Department of Mechanical Engineering and Poornima Innovation and Incubation Cell, Poornima College of Engineering (PCE), Jaipur organized an Industrial visit at Bhamashah Technohub Jaipur. Technohub mainly associated with Startup and innovation related activities which strengthen the new ideas of students. The basic purpose of this visit is to make the students acquainted with the concept of entrepreneur, startup, digital loan and different innovation related projects. Forty four (44) students of first year, second year and third year of mechanical branch and others branches of Poornima College of Engineering, Jaipur visited the same along with faculty coordinator Surendra Kumar Saini of Mechanical Department, PCE. On this occasion, Mr. Rakesh Singh, Staff of TechnoHub Jaipur welcomed the students & faculty members and coordinated the entire visit. Students visited various sections and department i.e. Battery zones and project labs respectively.



## Expert Session on Basics of CNC Machine

Department of Mechanical Engineering, PCE organized an Industry Expert Session on the topic "Basics of the CNC Machine" on Friday, Nov 26, 2021 at 11:00 AM-02:00 PM. It was delivered by Er. E. Venkatramanan is an instructor in CIPET Jaipur.

The main objective of this session is to get students with the concept of a computer numerical control machine. The Er. E. Venkatramanan, Dr. Mahesh Bunde, Director, Poornima College of Engineering, Jaipur, Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering and Dr. Surendra Kumar Saini, Department of Mechanical Engineering were the panelist of this session.

The session starts with a welcome address of Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering. Dr. Jain shares their views on the current scenario of CNC in manufacturing industries.

Dr. Mahesh Bunde, Director, Poornima College of Engineering, Jaipur discussed with Er. E. Venkatramanan, Senior Technician, CIPET Jaipur about the internship of the students in industry.

The session was based on basics of CNC, programming & working of CNC. From this lecture, most of the researchers, academicians, and professional engineers can learn how the CNC machines work for the different operations.

The session ended with the vote of thanks by Dr. Surendra Kumar Saini, Associate Professor, Department of Mechanical Engineering, Poornima College of Engineering Jaipur. Fifty students benefited by this session.







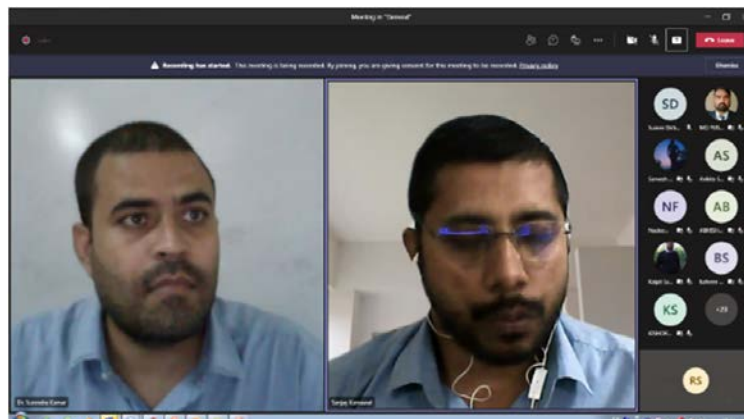
## Workshop on Entrepreneurship and Startup

Department of Mechanical Engineering, PCE organized a workshop on the topic “Entrepreneurship and Startup” on Monday, March 28, 2022 at 11:00 AM- 1:00 PM. It was delivered by Mr. Rakesh Rao and Mr. Dhawal Singhal are both working at Technohub Jaipur.

The main objective of this session is to get students with the fundamentals of entrepreneurship and Startup. Mr. Rakesh Rao and Mr. Dhawal Singhal, Technohub Jaipur, Dr. Mahesh Bunde, Director, Poornima College of Engineering, Jaipur, Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering and Dr. Surendra Kumar Saini, Department of Mechanical Engineering were the panelist of this session.

The session starts with a welcome address of Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering. Dr. Jain shares their views on the different activities of entrepreneurs and startups.

The session was based on Introduction of business idea, entrepreneurship and startup have discussed in detail. Different business entrepreneurs and their successful journey have been discussed. From this lecture, most of the students can learn how to get loans from the government. organization. The session ended with the vote of thanks by Dr. Surendra Kumar Saini, Associate Professor, Department of Mechanical Engineering, Poornima College of Engineering Jaipur. Sixty students benefited from this session.



## Expert Session on Indian Strides in Space

Department of Mechanical Engineering, PCE organized an Industry Expert Session on the topic “Indian Strides in Space” on Saturday, July 10, 2021 at 12:00 AM- 01:00 PM. It was delivered by Er. Priyanka Sharma is Scientist in ISRO, Govt. of India.

The main objective of this session is to get students about the milestones of ISRO. Er. Priyanka Sharma, Scientist, ISRO, Dr. Mahesh Bunde, Director, Poornima College of Engineering, Jaipur, Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering and Dr. Surendra Kumar Saini, Department of Mechanical Engineering were the panelist of this session.

The session starts with a welcome address of Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering.

Dr. Mahesh Bunde, Director, Poornima College of Engineering, Jaipur discussed with Er. Priyanka Sharma, Scientist, ISRO about the career opportunities of the students in ISRO.

The session was based on a glimpse of Indian space programmes, launch vehicles, Indian communication satellites, regional navigation systems.

The session ended with the vote of thanks by Dr. Surendra Kumar Saini, Associate Professor, Department of Mechanical Engineering, Poornima College of Engineering Jaipur. One hundred students benefited from this session.





### Expert Session on Journey from Engineering to Medical Healthcare

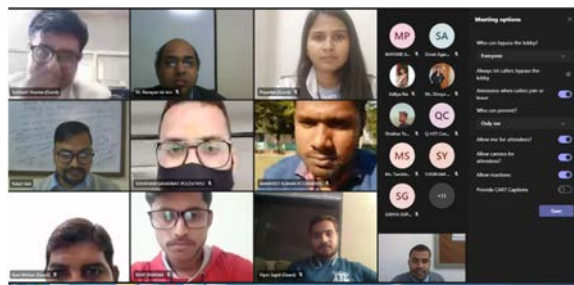
Department of Mechanical Engineering, PCE organized an Industry Expert Session on the topic “Journey from Engineering to Medical Healthcare ” on Tuesday, December 21, 2021 at 1:30 - 04:00 PM. It was delivered by Er. Abhishek Mukhija is Founder of Q-HET consultant, Er. Vipin Jagrit is co-founder of Q-HET consultant and Dr. Arnika Mukhija is medical practitioner and also co-founder of Q-HET consultant.

The main objective of this session is to get students with the transformation of ideas. Er. Abhishek Mukhija, Er. Vipin Jagrit, Dr. Arnika Mukhija, Q-HET consultant, Dr. Mahesh Bundeale, Director, Poornima College of Engineering, Jaipur, Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering and Dr. Surendra Kumar Saini, Department of Mechanical Engineering were the panelist of this session.

The session started with a welcome address from Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering. Dr. Jain shares their views on the current scenario and future need of engineers in industries.

The session was based on introduction and Session was begun from basic introduction of engineering industry, innovative idea, design concepts and startup. Speakers spoke about their journey and how they started their startup. How they formed their team and distributed work. How they got funds from different resources. From this lecture, most of the researchers, academicians, and professional engineers can learn how the engineering background professionals can cope up with others and provide good opportunities in the health sector.

The session ended with the vote of thanks by Dr. Surendra Kumar Saini, Associate Professor, Department of Mechanical Engineering, Poornima College of Engineering Jaipur. One hundred students benefited from this session.



### Expert Session on Toyota Hybrid System

Department of Mechanical Engineering, PCE organized an Industry Expert Session on the topic “Toyota Hybrid System” on Tuesday, Aug 31, 2021 at 10:00 AM- 12:00 PM. It was delivered by Mr. Rajesh Kumar Sharma and Mr. Gurupreet Singh, both are instructors in Toyota.

The main objective of this session is to get students with the concept of Hybrid and Electric Vehicle. Mr. Neeraj Sharma, Deputy General Manager, Toyota Hybrid Vehicle and Mr. Rajeev Kumar, Manager, Toyota Hybrid Vehicle, Dr. Mahesh Bundeale, Director, Poornima College of Engineering, Jaipur, Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering and Dr. Praveen Sonwane, , Professor & Head, Department of Electrical Engineering were the panelist of this session.

The session started with a welcome address from Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering. Dr. Jain shares their views on the current scenario of hybrid and electrical vehicles. He discussed the comparison of pollution levels by the HEV and ICEV.

Dr. Mahesh Bundeale, Director, Poornima College of Engineering, Jaipur discussed with Mr. Neeraj Sharma, Deputy General Manager, Toyota Hybrid Vehicle and Mr. Rajeev Kumar, Manager, Toyota Hybrid Vehicle about the internship of the students in industry.

The session was based on advances in vehicles, especially in the Toyota industry. The experts of the session focused on comparison of hybrid, Electrical vehicle and IC engine-based vehicles. Nowadays Hybrid vehicles are more beneficial than electrical and IC engine-based vehicles. Speaker also compares all these three types of vehicle. From this lecture, most of the researchers, academicians, and professional engineers can undergo how vehicles are manufactured in the Toyota industry.

The session ended with the vote of thanks by Dr. Praveen Sonwane, Professor & Head, Department of Electrical Engineering, Poornima College of Engineering, Jaipur. Two hundred fifty students benefited by this session.







## RESEARCH PUBLICATIONS

- HemwaniJitendra, Satankar R.K., BhagatYatna, and Deshmukh Y. P., Analysis of Parameters Affecting Effectiveness of Industrial Cooling Towers in the Proceedings of International Conference on Futuristic Advancements in Materials, Manufacturing and Thermal Sciences 2022, January 20-22, 2022, Organized by Institute Of Infrastructure Technology Research And Management, Ahmedabad, India.
- Kalpit Jain, Dr. Yashpal, Dr. Jayant K Purohit, “An Analysis of BlockChain Technology Influence on Supply Chain Management: A Review” Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 6, July 2021: 5618-5625.
- Sharma, R., &Sen, R. (2022). Synthesis and Investigation of Mechanical Behavior of Aluminum Oxide/Silicon Carbide Filled Bi-directional Woven E-glass Fiber Reinforcement Epoxy Polymer Composites. In Recent Advances in Industrial Production (pp. 1-12). Springer, Singapore.
- Sharma, R., & Gupta, P. K. (2022). Synthesis and chemical resistance of aluminum oxide and silicon carbide (1: 1) filled Bi-Directional woven E-glass fiber reinforcement epoxy polymer composites. Materials Today: Proceedings.

## PATENT PUBLICATION

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2. Patent has been Registered and Published in Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India, on 03, December, 2021 as entitled “Performance improvement of ZEER pot (Pot in pot refrigerator) by insertion of metallic particles in sand”, authored by Lakshit Singh Sankhla, Dr. Amit Kumar Mandal, Dr. Narayan Lal Jain, Prof. (Dr.) Mohammad Israr. Patent Application Number- 202111050632 Journal No. 49/2021, Page Number-57617.
3. Patent has been Registered and Published in Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India, on 03, December, 2021 as entitled “Performance improvement of Savonius turbine by application Floating Pontoon Hydrostatic Bearing (FPHB)” authored Shiv Kumar Lodwal, Dr. Amit Kumar Mandal, Dr. Narayan Lal Jain, Prof. (Dr.) Mohammad Israr Patent Application Number- 202111050640 Journal No. 49/2021, Page Number-57618.
4. Patent has been Registered and Published in Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India, on 31, December, 2021 as entitled “Design of Smart Dustbin” authored by Yash Kumawat, Sanjay Kumawat, Dr. Narayan Lal Jain, Prof. (Dr.) Mohammad Israr Patent Application Number- 202111058879



5. Patent has been Registered and Published in Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India, on 19-11-2021: Wind Turbine, Manoj Gattani, Dr. Mahesh Bunde, Pankaj Dhemia, Dr. Pran Nath Dadhich, Dr. Narayan Lal Jain, Dr. Raj Kumar Satankar, Ashwani Kapoor, Smrutirekha Mishra, Himanshu Rajput, Satya Vart Gupta, IPR  
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6. Patent has been Registered and Published in Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India, on 31, December, 2021 as entitled “Low-Cost DIY Ceiling Fan Cooling Enhancer Accessory”, authored by Puneet Suthar, Waqar Qureshi, Sanjay Kumawat, Prof. (Dr.) Mohammad Israr.
7. “Design of a Hybrid Floating Solar System” Radhey Shyam Meena, Dr. Mohammad Israr, Dr. Payal Bansal, Dr. Vinita Mathur, Dr. Parul Tyagi. Dr. Neha Singh, Dr. Hitesh Panchal, Dr. Neeraj Kumar Garg, Dilip Nigam, Intellectual Property Australia, Australian Government.  
[Patent Number-2020103119, Filing Date: 29-10-2020, Expiry Date: 29-10-2028]  
<http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2020103119>  
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8. “Power Back Up Enable Low Cost & Small Size Portable AC with Coolant Liquid Technology” Dr. Mohammad Israr, Asik Rahaman Jamader, Ladu Ram Kumawat, Dr. Neeraj Kumar Garg, Dr. Md Tabrez Nafis, Dr. Vikas Kulshreshtha, Dr. Jai Kumar Maher chandani, Puja Das, Dr. Hitesh Panchal, Radhey Shyam Meena, Intellectual Property Australia, Australian Government.  
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9. “Portable Mask with Mini Ventilation Process” Dr. Mohammad Zubair Khan, Dr. Ravi Shankar Shukla, Aijaz Ahmad Reshi, Mohd. Helmy Abd Wahab, Dr. Radzi Ambar, Dr. Mohammad Israr, Puja Das, Dr. L. Rajesh, Dr. K. Martin Sagayam, Asik Rahaman, Australia, Australian Government.  
[Patent Number-2020103839, Filing Date: 02-12-2020, Expiry Date: 02-12-2028]  
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10. “Filament Glue for 3D printer industry (FDM)” Dr. Mohammad Israr, Hadi Erfani, Dr. Md Shibli Rahmani, Dr. Muhammad Arif, Dr. Mahfuzul Huda, Aijaz Ahmad Reshi, Intellectual Property Australia, Australian Government.  
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11. “Smart and portable long distance security system without using laser light” Dr. Ravi Kumar Goyal, Prof. M. Afshar Alam, Dr. Dinesh Yadav, Dr. Farheen Siddiqui, Dr. Lokesh Sharma, Dr. Mohammad Israr, Asik Rahaman Jamader, Puja Das, Dr. Md Tabrez Nafis, Intellectual Property Australia, Australian Government.  
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12. “Small Portable & Low-Cost Electric Appliance Control System without Arduino Uno” Dr. SameenaNaaz, Dr. Mohd Abdul Ahad, Dr. Md Tabrez Nafis, Dr. Samar Wazir, Dr Md Shibli Rahmani, Dr. Gun SagarYadav, Dr. Mohammad Israr, Asik Rahaman Jamader, Dr. Ravi Kumar Goyal and Puja Das, Intellectual Property Australia, Australian Government.  
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15. “Multilayer Reusable activated Carbon face Mask for Preventing Viral Infection”Dr. K. Martin Sagayam, Puja Das, Prof. (Dr.) Mohammad Israr, Dr. Vinita Mathur, Asik Rahaman Jamader, Dr. Osamah Ibrahim Khalaf, Dr. Theyazn H. H. Aldhyani, Dr. Mosleh Hmoud Al-Adhaileh, Dr. Ghaida Muttashar Abdulsahib, Digvijay Pandey and Binay Kumar Pandey, Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.  
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## DEPARTMENT OF CIVIL ENGINEERING

### VISION

To become a globally recognized centre of civil engineering through excellence in technical education, interdisciplinary research and innovation.

### MISSION

- To develop professional skills with outstanding knowledge.
- To enhance research & development in emerging areas of civil engineering.
- Enhancing linkages with alumni and industry.
- To produce ethically able, humane and creative global leaders.

### About the Department

The Department of Civil Engineering of PCE came into existence in the year 2011 with an alignment of the department's evolution with key events and technological advances for the betterment of the society and nation. At present, it has an intake of 60 students providing all the amenities of infrastructure related to knowledge, research, experiments and training. Poornima believes that Civil Engineering is an evergreen branch in the engineering profession. Therefore, the department of Civil Engineering has renowned scholars as the faculty members for imparting the knowledge. It has been taking initiatives for the versatile enhancement of the students through the technical, cultural and sports fests since its establishment.

### MESSAGE FROM HEAD OF DEPARTMENT

Civil Engineering is a broad field of Engineering that deals with the planning, construction, and maintenance of fixed structures, and public works all are related to earth, water, or civilization and their processes. It gives me immense pleasure to lead the Department of Civil Engineering. The department was established in the year 2011 to cater the ever increasing demand of Civil Engineers in industry and academia and has served all concerned to their fullest expectations. The students are groomed to be thorough professionals with blend of up-to-date technical knowledge and field experience gained during Internship. The Department has highly qualified and dedicated faculties who strive to produce competent professionals who are abreast with the latest technology and are equipped with enterprising skills necessary for a designer and also for a site engineer. Most civil engineering today deals with power plants, bridges, roads, railways, structures, water supply, irrigation, the natural environment, sewer, flood control, transportation and traffic. In essence, Civil Engineering may be regarded as the profession that makes the world a more agreeable place in which to live. The laboratories of the Department are well equipped such as Fluid Mechanics, Environmental Engineering, Survey, Concrete Technology and Material Testing. The Department has been regularly conducting number of short term training programs, Workshops, National and International Conferences to encourage research among student and faculty members of technical institutions and working professionals. The Department is also actively engaged in R&D, testing and consultancy activities.



**DR. PRAN NATH DADHICH**





## **PROGRAM EDUCATIONAL OBJECTIVES (PEO)**

- Graduates will be able to apply fundamental principles of science, mathematics and engineering using modern tools to solve societal and environmental problems.
- Graduates will be able to use their practical, field survey, computer and analytic skills to build industry ready engineers to solve multi-disciplinary sustainable projects.
- Graduates apply innovative ideas to improve the technical competency in engineering decisions, lifelong learning, to equip leadership qualities in diverse teams, promote and practice appropriate ethical moral to become professional engineers.

## **PROGRAM OUTCOMES (PO)**

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## **PROGRAMME SPECIFIC OBJECTIVES (PSO)**

- The graduates will have the ability to apply technical skills and modern engineering tools to analyze and design the solution of civil engineering problems.
- The graduates of the civil engineering program will have the ability to take up employment, entrepreneurship, research and development of society and nation.
- Graduates will be able to provide sustainable solutions to civil engineering problems while maintaining a professional ethic in their behavior.



## MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1.	2nd International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022)	June 24-25, 2022	Dr. Pooja Gupta Mr. Divya Vishnoi
2	One day Workshop on Application of Total Station in Civil Engineering	December 30, 2021	Mr. Prateek Sharma Dr. Pran Nath Dadhich
3	Workshop on "Basics of Cost Estimation and Cost Analysis of Building"	February 09, 2022	Dr. Pooja Gupta Mr. Divya Vishnoi
4	Webinar on Road & Safety Audit	February 15, 2022	Mr. Laxmikant Saini Dr. Pran Nath Dadhich
5	A Site Visit to SEWAGE TREATMENT PLANT and CRID	December 15, 2021	Dr. Manoj Gattani
6	Survey Camp	February 23-25, 2022	Mr. Laxmi Kant Saini
7	Earth Day	April 22, 2022	Dr. Pooja Gupta
8	World Environment Day	June 05, 2022	Mr. AKASH PANWAR
9	Importance of Software approach in Civil Engineering	Sep. 20, 2021	Mr. Divya Vishnoi
10	Alumni Session Report'	Sep. 20, 2021	Mr. Balwan Sheshma
11	Career opportunities in Civil Engineering'	Sep. 21, 2021	Mr. Divya Vishnoi
12	Career Prospects for Engineering Students in New Era of Atmanirbhar Bharat	Sep. 21, 2021	Dr. Pooja Gupta
13	Presentation Preparation MS Point	November 16, 2021	Dr. Manoj Gattani
14	Introduction of REVIT Architecture	Jan. 19, 2022	Mr. Sonu Kumar
15	Amazing Water: Thriving Towards Sustainability	March 11, 2022	Mr. Divya Vishnoi

### Webinar on Road & Safety Audit

The Poornima College of Engineering, Department of Civil Engineering, Jaipur welcomes you to attend a webinar on "Road and Safety Audit. This Webinar is conducted by the blessings of Dr. Mahesh Bunde, Director & Principal Poornima College of Engineering Jaipur. It is organized under the umbrella of Mr. Pankaj Dhemla, Vice-Principal Poornima College of Engineering Jaipur & Mr. Rahul Kumar Singh, CSRBOX, Project Associate. Ms. Nisha Singh, Master Facilitator, CSRBOX, Wrong Side of the Project India addresses the participants and share the importance of Road Safety. On this occasion she highlights the course content, objective, outcome and benefits of webinar to all the participants. College motivated the participants for serious participation in this program and carry back the learning's to percolate further. Dr. Pran Nath Dadhich, HOD and other faculty members from the institution were present in the program. Total 74 participants from our college have participated in the webinar.

#### About the Webinar

A Road Safety Audit is a formal assessment of the potential road safety problems for new highway schemes and highway improvement schemes. The audit is carried out at various stages during the design process and following construction.

The Road Safety Audit independently assesses proposals to minimize the number and severity of situations where road users are at risk of injury whilst on the highway. The assessment considers the safety of all road users, particularly vulnerable users such as pedestrians and pedal cyclists.

#### Detail of Webinar

The following topics covered in the presentation include:

- Road Traffic facts
- Common road safety audit problems
- A background to Road Safety Audit
- An interaction video of accident affected user





## A Seminar on Importance of Software approach in Civil Engineering

### Objective

- To encourage the Students for learning Civil Engineering Software's.
- To let students know the importance of the software in various Civil Engineering works.
- To give opportunity to students for learn the software training courses, so as to make the student as expert in particular software of his/her own interest.

### About the Speaker

Mr. Hitesh Lahoti (B.E. Civil, ME Structure, founder of Civil Engineering Software Academy)

Associated with Pune Municipal Corporation. He works on international software for analysis and design of project. Poornima College of Engineering (PCE), Jaipur organized a distinguished Seminar on Importance of Software approach in Civil Engineering

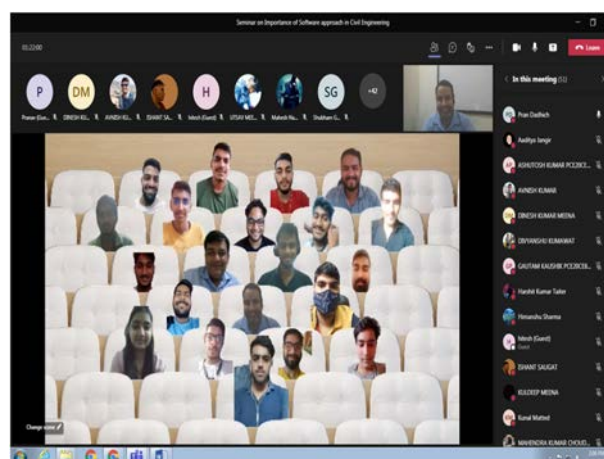
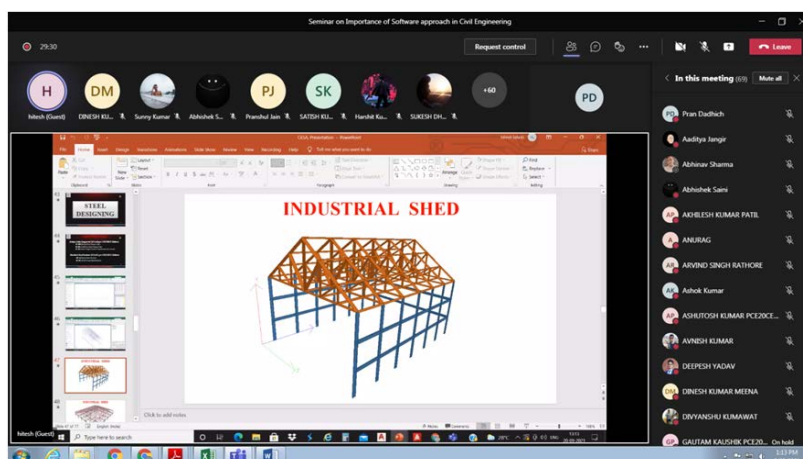
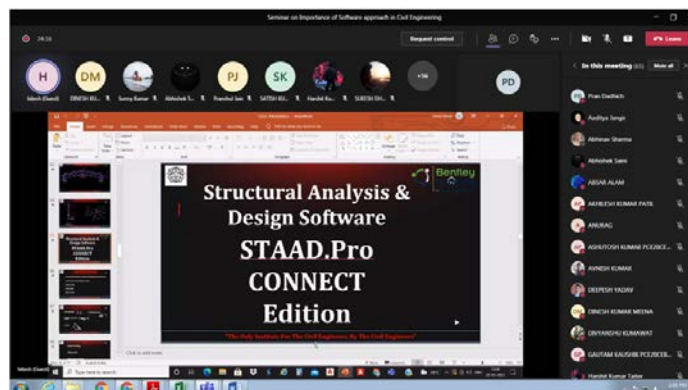
On Monday i.e. September 20, 2021 at 12:30 PM for two hours, More than 70 participants have attended the session. Dr. Pran N. Dadhich, HoD, Department of Civil Engineering (Poornima College of Engineering) introduce about topic and speaker. He also mentioned that this seminar will be helpful for students to make a direction in their career. During the session Mr. Hitesh Lahoti focused about the scenario of Civil Engineering Design software's in market. He discussed about the quality of education and demand of Software in the market. Mr. Hitesh Lahoti suggested student to choose career as per their interest and skills and how to enhance their software skills for getting the design oriented jobs. He also gives examples that without proper planning, students cannot achieve success in their career. At the end of session, Mr. Hitesh Lahoti suggested students not to wait for completion of engineering for starting preparation for job.

### Key learning:

Autocad 2D and 3d, Revit and 3Ds max software use and explain how it is use full in civil engineering field in detail. Software has the capacity to help Plan, Organize and manage resources tools and develop resource estimate.

**PARICIPANTS:** All Civil Engineering students of II, III and IV year participated in this Seminar on "Importance of Software approach in Civil Engineering"

Dr. Pran N. Dadhich, HoD, Department of Civil Engineering (Poornima College of Engineering) proposed the votes of thanks to the speaker and mentioned about developing advanced software's skills to participants.





## A Seminar on Career opportunities in Civil Engineering

### About the Speaker

Mr. Ram Niwas Choudhary, Senior Faculty, Zone Tech Institute, Jaipur

Mr. Ram Niwas Choudhary completed his graduation and Post-Graduation from MNIT, Jaipur. Currently, He is working as a Senior Faculty and Counsellor in Zone Tech Institute, Jaipur. Mr. Choudhary is an Educationist with over more than 8 Years of Experience in teaching and counselling of students for their career. He qualified GATE examination three times and various national level competition exams. He delivered many lectures on career opportunities.

### Brief Report

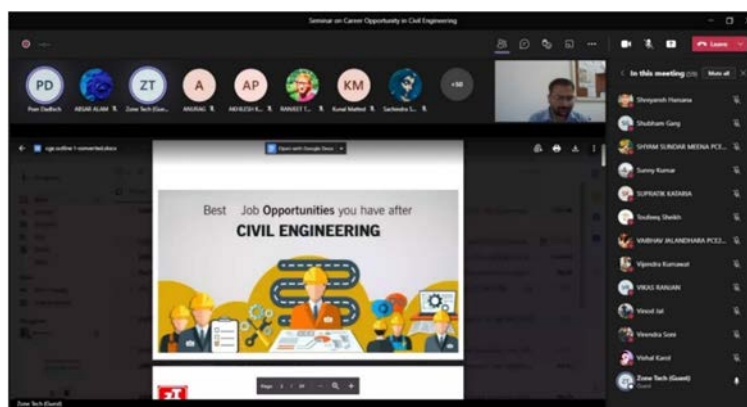
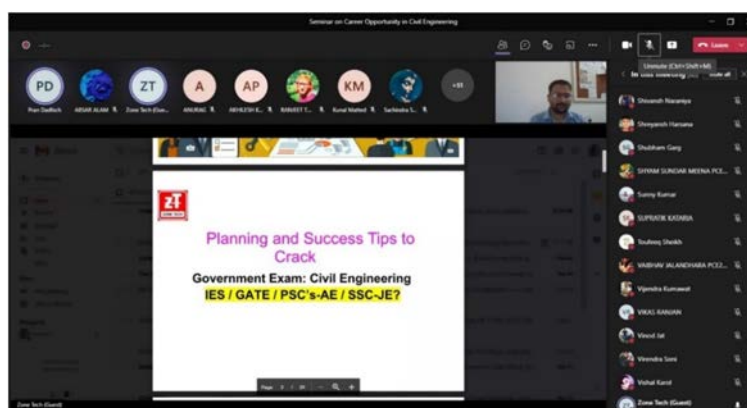
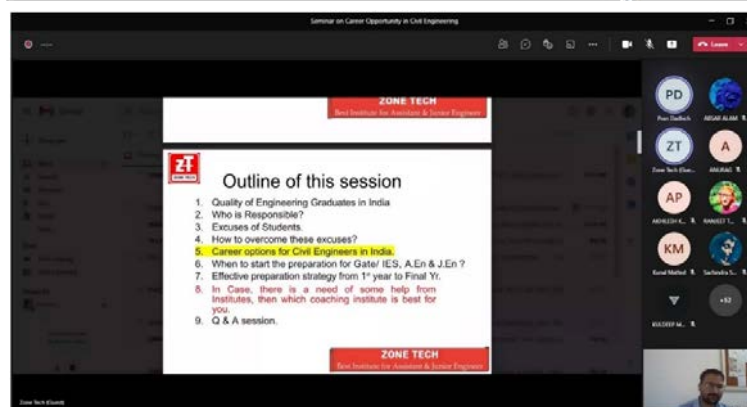
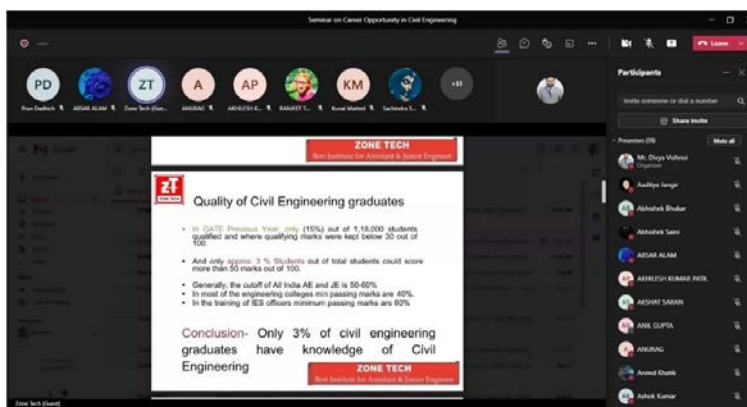
Poornima College of Engineering (PCE), Jaipur organized a distinguished Seminar on Career opportunities in Civil Engineering on Tuesday i.e. September 21, 2021 at 12:30 PM. More than 50 participants have attended the distinguished Lecture.

Mr. Divya Vishnoi, Assistant Professor (Department of Civil Engineering) introduced about the topic and speaker. He also mentioned that this seminar will be helpful for students to make a direction in their career.

During the session Mr. Choudhary focused about the scenario of Civil Engineering in the market. He discussed about the quality of education and demand of the market. Mr. Choudhary suggested students to choose a career as per their interest and skills and how to enhance their technical skills for getting the skill-based jobs. He also gave examples that without proper planning, students cannot achieve success in their career. At the end of the session, Mr. Choudhary suggested students not to wait for completion of engineering for starting preparation for a job.

Dr. Pran N. Dadhich, HoD, Department of Civil Engineering (Poornima College of Engineering) proposed the votes of thanks to the speaker and mentioned about developing the skills as per industries' need to participants.

Glimpses of Webinar







## Alumni Session

**Session Highlights:** Mr. Hariom Soni (alumnus of 2018 Batch-CE, Currently working with Indian Railways, Guwahati) interacted with approx 160 students of II, III & IV Year - CE on 20th September, 2021 by online platform on Microsoft Teams.

The session witnessed the presence of Dr. Prannath Dadich HoD-CE, Mr. Balwan and other faculty members.

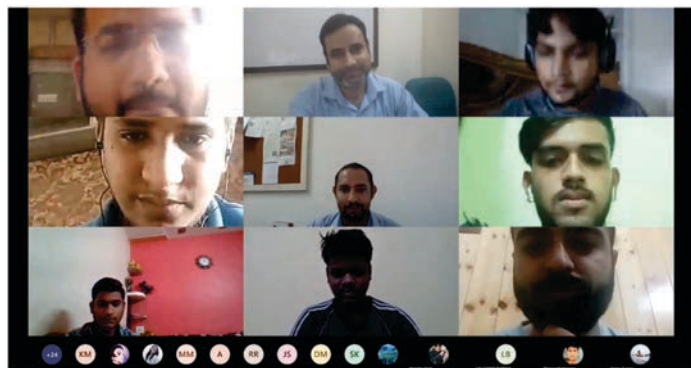
The session started with the opening and welcome address by Dr. Prannath Dadich HoD-CE. Mr. Balwan, Mr. Hariom Soni (Alumnus of 2021 Batch-CE) by presenting a memento digitally. The session ended with the Vote of Thanks to the guest speaker and all dignitaries present. The Vote of Thanks was proposed by Mr. Balwan.

Mr. Hariom Soni motivated the students to crack the competitive exams. He talked about latest trends and technologies that are demanding in current market. He advised the students that they must have awareness and basic understanding of emerging technologies and trends like cad, revit, stadd etc. He also shared his experiences of college life at PCE. He shared his experience about preparation for govt. jobs. He also motivated the students for Gate examinations. He briefed the working structure in the Indian Railways with the students.

In the question answer session he nicely replied all the queries of students.

**Summary:** The key points of the interaction session were:

- Shared his work experience of 1 years in Indian Railways. He shared his experiences as a part of trainee to JE in railways.
- Importance of learning drafting and designing software during the course of B Tech. He urged that, students must learn basic knowledge of laboratories in depth.
- He talked about emerging trends and technologies in the Civil Engineering.
- Focused on the importance of project development during the college. He said that students can include the details of the projects in their resumes and it given an additional advantage during the placement interviews.
- He said that the students of core branches should prepare for software companies because nowadays most of the campus placement drives are based on software/ IT companies. He said that only basics of computer science and IT are required for software companies but analytical and basic aptitude skills are very important.



## Workshop on “Basics of Cost Estimation and Cost Analysis of Building”

**Date & Time:** February 9, 2022, 09:30 AM to 3:30 PM • **Platform used:** Microsoft Teams (Online)

**Session-1 :** Introduction to design home with cost estimation using Software

Expert: Mr. Denis Jangeed, Assistant Professor, Department of Civil Engineering, Geetanjali Institute of Technical studies, Udaipur Rajasthan India.

**Session -2 :** Basics of Estimation, Bar Bending Schedule and Rate analysis

Expert: Mr. Sunil Sharma, Mohan Enterprises, Sr Project Manager, P-11 Prestige Apartment Sahdev Marg, C-Scheme Jaipur.

He had Over 10 years of cross-cultural experience in projects planning and monitoring of resource, cost, material, and machinery for various construction projects using Project management tools. Working Experience with Career Point Kota, CFCL Kota, ACC Cement H.P., SDC Group Jaipur, ARG Group Jaipur, Felicity Group, Jaipur.

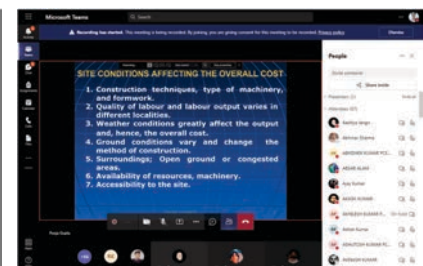
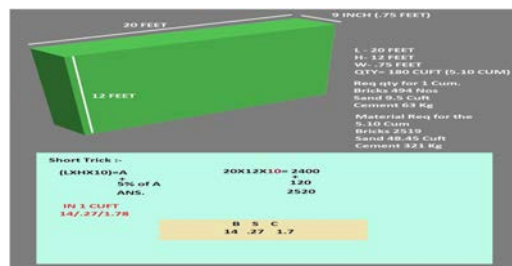
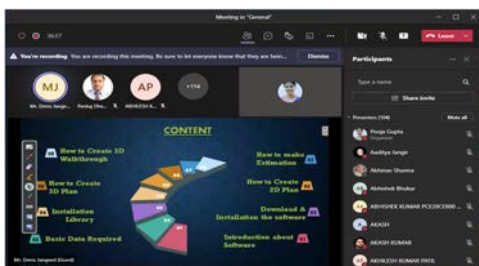


### Session 3:

Estimation of components of a residential building

Expert: Mr. Divya Vishnoi, Assistant Professor in the Department of Civil Engineering Poornima College of Engineering, Jaipur. He had done graduation from Rajasthan Technical University in year 2012 and later acquired his M. Tech in Structural Engineering in 2019.

Currently, he is pursuing Ph.D. from Poornima University. He had credited more than 15 research papers in reputed international and national journals and conferences. His area of interest is earthquake Disaster management and Structural design. He has 8 years teaching experience and also has experience in the planning and designing field.



## 2nd International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022) (HYBRID MODE) June 24-25, 2022,

The conference on Sustainable Energy, Environment, and Green Technologies (ICSEEGT 2022) is the second International Conference organized at Poornima College of Engineering, Jaipur, India. This conference aims to bring researchers from academia, government agencies, research laboratories, and the corporate sector together to present their research work in sustainable and renewable energy, environment, and green technologies. Since Green growth is the pursuit of economic development in an environmentally sustainable manner. If the development goal is to improve living standards, access modern energy services, and use energy more efficiently, green growth must play a key role. For this aim, the conference ICSEEGT 2022 can be a great platform to promote research in the subject area and exchange new ideas in these fields among academicians, engineers, scientists, and practitioners across the world.

The Conference began with its Inaugural Session seeking the blessings of Lord Ganesha and Goddess Saraswati. The session witnessed addresses of dignified persons, Professor S.A Sherif,

Department of Mechanical and Aerospace Engineering, University of Florida, USA, Professor L.M. Das, DR. L. N. Thakural, Senior Scientist, Surface Water Division, National Institute of Hydrology, Roorkee, India, Former Professor, Centre for Energy Studies, Indian Institute of Technology, Delhi, India, Dr. Herb S. Rhee, Managing Director, Innovative Technology and Energy Centre (ITEC), Tanzania, Dr. Anand K. Plappally, Head, Center for Emerging Technologies for Sustainable Development (CETSD), IIT Jodhpur, India, Dr. Perumalla Janaki Ramulu, Director, Centre of Excellence for Advanced Manufacturing Engineering, Adama Science & Technology University Adama, Ethiopia.







## FACULTY ACHIEVEMENTS

### DR. PRAN NATH DADHIGH

- Lecture Delivered in Workshop on “Disaster Resilience in urban planning” Organized by IIT Indore.
- Keynote Addresses in Faculty Development Program on Analytics of GIS and Remote Sensing: Assessment & Monitoring organized by Uttaranchal University.
- Consultation to IIT Indore and NIDM project “Multi-hazard Disaster Risk and Resilience: Practical Learning and Step-by-Step Guide to Improve Disaster Resilience at City Levels”
- Consultancy to DST sponsored project of Department of Civil Engineering, MNIT Jaipur
- SCI paper published in Journal of Environmental Science and Pollution Research (Impact Factor-4.3)
- Two International Conference Papers published
- Six SCI Paper Reviewed
- One International seminar organized on Amazing Water: Thriving Towards Sustainability
- Two Patents published
- Guiding 6 PhD students

### DR. MANOJ GATTANI

- Trained PCE students (35 std) for 20 days on industrial product design with ANSYS software (Sep-oct 21).
- Working with PIIC as convener and organized 40+ activities/ events under PIIC (from Oct 21 to May 22).
- Filed a patent on innovative wind turbine. Simulation results shows around 18% more efficient than traditional turbines.
- Authored and published Book based on research work on brain and human behavior - जिंदगी ऊंची उड़ाने या संघर्ष की पोटली. Successfully sold out 1600 copies in last 5 months.
- Completed 3 weeks advance certificate course on CFD from CORNELL University, USA.

### PRATEEK SHARMA

- Successfully Completed N.P.T.E.L Certification course on “Repair & Maintenance of Concrete Structures” of 12 weeks from January to April 2022.
- Attend one week F.D.P Course by Poornima College of Engineering under NITTTR Chandigarh from 21 March to 25 March 2022.
- Participated in 5 days (17 Jan -21 Jan) FDP organized by S.K.I.T College.

### DR. POOJA GUPTA

- NPTEL course on Expansive Soil : with 82% (Elite)
- One Patents granted and one under review
- One Journal Paper Published
- One paper in International Conference
- Received Sir Arthur Cotton Memorial Award for best paper.
- Three FDP, one NITTTR Chandigarh short term course and one workshop attended
- Conducted one international conference and workshop



### BALWAN SHESHMA

- Participated in 5 days(17 Jan -21 Jan) Fdp organized by S.K.I.T College on “Ecological and Eco Efficient Construction Practices.”
- Successfully Completed N.P.T.E.L Certification course on “Repair & Maintenance of Concrete Structures” of 12 weeks from January to April 2022.
- Appoint as a Reviewer in International Conference Recent Advances in Sustainable Environments- 2022 (25-26 Feb , 2022) organised by Shobhit University, Gangoh, U.P.

### DIVYA VISHNOI

- Participated in 5 days(5 July-9 July, 2021) ATAL FDP organized by College of Engineering , Pune on “Earthquake Response and Vibration Control of Lifeline Structures”
- Participated in 5 days(19 July-23 July, 2021) ATAL FDP organized by IIT Palakkad on “Digital Transformation in Architectural Engineering and Construction”
- Lecture Delivered on topic "Idea Generation Techniques" In workshop of "Problem Solving and ideation" on December 29, 2021 organised by PIIC, PCE, Jaipur
- Participated in 5 days (17 Jan -21 Jan) FDP organized by S.K.I.T College on “Ecological and Eco Efficient Construction Practices.”
- Lecture Delivered on topic "Estimation of components of a residential building" In workshop of “Basics of Cost Estimation and Cost Analysis of Building” on February 15, 2022 organized by Department of Civil Engineering, PCE, Jaipur
- Appoint as a Reviewer in International Conference Recent Advances in Sustainable Environments- 2022 (25-26 Feb , 2022) organized by Shobhit University, Gangoh, U.P.
- Attend one week F.D.P Course on Digital Media Tools for Effective Teaching Learning through ICT conducted by Electronics and Communication Engineering Department Poornima College of Engineering under NITTTR Chandigarh from 21 March to 25 March 2022.







# STUDENTS' COUNCIL



**CHAIR**

**CO CHAIR**



**KHUSHI AGARWAL**  
Captain  
(Coding Club)



**ASHIKA CHATURVEDI**  
Students' Council



**TILAK ATRI**  
Students' Council



**ASHUTOSH UPDHYAY**  
Captain  
(Cultural Club)



**ARUN SHARMA**  
Captain  
(Designing Club)



**RISHABH DEORA**  
Captain  
(Google Developers Student Club)



**SHIVANG BHARDWAJ**  
Captain  
(Helping Hands Club)



**TRIPTI JAIN**  
Captain  
(IETE)



**RAGHAV SHARMA**  
Captain  
(IEEE)



**JEEVESH KISHORE SHARMA**  
Captain  
(ISTE)



**SHASHANK SINGH**  
Captain  
(Joshiley Drama Club)



**RAJ SINGH NARUKA**  
Captain  
(Literary Club)



**TRIPTI AGRAWAL**  
Captain  
(PCAS)



**DIVYANSHI CHOUDHARY**  
Captain  
(PIIC)



**NISHANT SINGH**  
Captain  
(Sports Club)



**SACHIN YADAV**  
Captain  
(Team Hayagriva Racing)



**LAKHAN SINGH**  
Captain  
(Udaan Aero Modelling Club)



**SHIVAM PATIL**  
Captain  
(Zircon Club)



**KARTIK KHANDEWAL**  
Vice Captain  
(Coding Club)



**SEJAL SHARMA**  
Vice Captain  
(Codechef Club)



**SAUMYA TRIPATHI**  
Vice Captain  
(Cultural Club)



**KANIKA BANSAL**  
Vice Captain  
(Designing Club)



**PRABAL JAIN**  
Vice Captain  
(Google Developers Student Club)



**JHALAK BORA**  
Vice Captain  
(IETE)



**LATIKA DEVJANI**  
Vice Captain  
(IETE)



**KUNAL UPADHYAY**  
Vice Captain  
(ISTE)



**SHREYA SHARMA**  
Vice Captain  
(Literary Club)



**BHAVIK LOUNGANI**  
Vice Captain  
(PIIC)



**PRATHAM CHAUHAN**  
Vice Captain  
(Sports Club)



**HARSHITA JOSHI**  
Vice Captain  
(Team Hayagriva Racing)



**SANDEEP KUMAWAT**  
Vice Captain  
(Udaan Aero Modelling Club)



**NISHANT MUDGAL**  
Vice Captain  
(Zircon Club)



As it's said 'Youth is the future of the country and empowering them molds them into good leaders. Poornima College of Engineering has always given its students a fair opportunity to stand out and represent themselves with confidence as future leaders. Therefore, built a student body named the Students' Council which works for the welfare of students to achieve the goal of student empowerment, development of leadership skills, and community feeling. The currently appointed council has worked a lot giving rise to new opportunities for the students where they can showcase their talents outside the four walls of the classroom. The selection procedure of this student body began with the selection of the Chair from the 3rd year after multiple rounds of interviews followed by the selections of two Co-Chairs from the 2nd year. Later the opted team of three conducted a selection process for the captains from 2nd year and the Vice-Captains from 1st year. Just like the parliament, the Students' Council worked in the same way. After a lot of group discussions and personal interviews, the final team of 37 and 15 clubs was formed. This team later conducted new events such as Fresher's Party and Farewell this year. Different club activities took place offline this time creating an interactive aura in the college campus. An online gaming tournament was held by the Sports Club of Students' Council, PCE to grab the hidden gamers from the college. The college fest AAROHAN POORNIMA 2022 was also conducted in offline mode in which different celebs fired up the stage with their songs. A new initiative took place by the Students' Council Chairs which was the hostel excursion. Council planned a hostel excursion to Pushkar where the students enjoyed and made a lot of memories they will remember for the rest of their lives.

### **Overview:**

- To encourage the student in discovering their inherent interests, skills and talents.
- To provide a proper channel for the student to nurture his discovered areas of interests in addition to academics.
- To provide a smooth platform for the students to showcase his nurtured skills, abilities and interests.
- To organize various activities and events that shall ignite the students' cognitive skills and convert them into viable start-up ideas.
- To identify and nurture various talented students in their respective domains of interest and prepare them to represent the college in various competitions at state, national and international levels.
- To inculcate a team spirit and a spirit of oneness amongst the student community and to create an ambience for the student that shall enhance his pride for his college.

### **Objectives of Students' Council:**

- Holistic development of its students – A democratic student body in the form of a Student Council.
- The council – A team of self-governing office bearers guided by a faculty advisor.
- The canvas – Officially includes various technical and non-technical societies and clubs of the college.
- The activities and events - Technical and Non-Technical knowledge and skill enhancement
- Ensure overall personality development and enhance technical, managerial and entrepreneur skills.
- Composition - Chair and Co-Chair and Captain and Vice-Captain (Clubs/Societies).



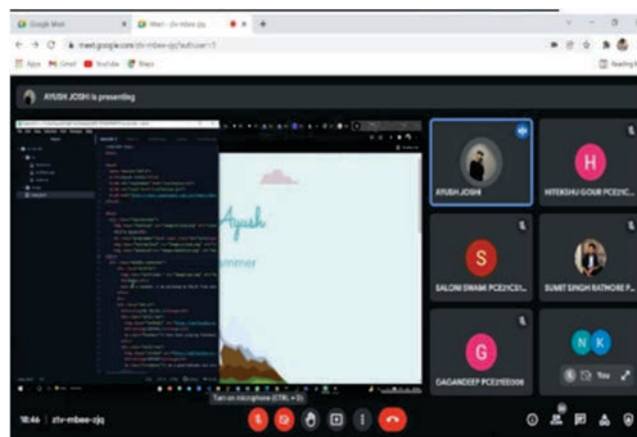
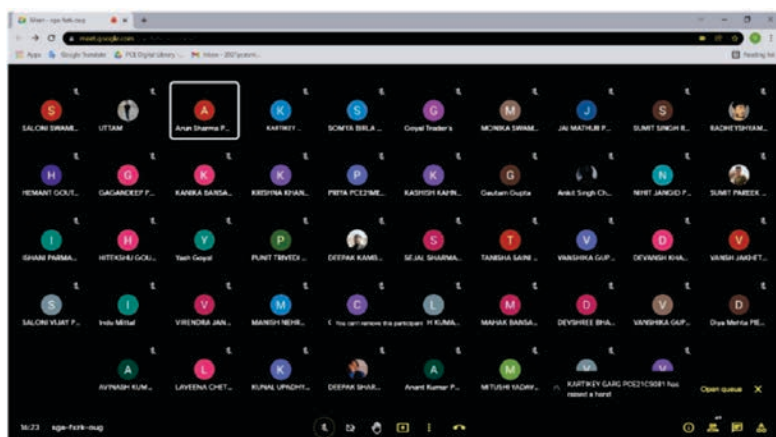


## ACTIVITIES BY STUDENTS' COUNCIL PCE

### 4 Days Bootcamp, Designing Club :

In the first two days we taught web designing which explained how to make a website from scratch or starting. More than 50 people were present on both days of the web designing session.

In the last two days we taught graphic designing which explained how to make a poster from scratch or starting. More than 50 people were present on both days of the graphic designing session.



### QUIZZARD 2K22, Literary Club

The intra college literature quiz event "QUIZZARD 2K22 " organized by literary club under the supervision of student council,PCE conducted at OAT,PIET on 7th January 2022. The event was organized with the objective to provide a platform for the students where they can try out and test their knowledge related to different genres of literature. "QUIZZARD 2K22 " a literature quiz competition where the students participated in a team of four members each. Total of five teams were selected for the final round. Quiz was unfolded in five rounds i.e.,lyrico, kathan-kavita, dhun, knock ye brewed brain and guess the snap.

- **Lyrico:** the participants had to guess the name of a song from their English-translated lyrics.
- **Dhun:** in this round questions were asked related to different quotes and the poems.
- **Dhun:** teams had to guess the song name on the basis of the played tune.
- **Knock ye brewed brain:** this round was designed with the questions related to the novel, biographies, their characters and the authors.
- **Guess the snap:** A series of pictures having various authors and well-known personalities was shown in this round and the participants had to guess them.

Taking the entertainment quotient of the event to another level, performances had been scheduled after each round like open mic and storytelling. Participants showcase exceptional talent and competitive spirit.

The winners were acknowledged with certificates and trophies.





## Webinar of RoadMap of Programming, Coding Club

It organized a webinar in collaboration with Coding Blocks under the mentorship of Mr. Monu Kumar (Head of Department of JAVA ,CODING BLOCKS) on the topic “ROADMAP TO PROGRAMMING AND DSA “. The session was conducted for an hour. In the session the mentor discussed with us the importance of DSA and from where we can start our programming journey. He shared with us some tactics through which we can ace our programming skills. He also talked about how we can manage our time in college while strengthening our coding skills. He also discussed with us which language we should start our programming journey with and took interesting examples to explain the same. He discussed important topics for DSA and topics one should cover for a strong base. He took doubts from all the students and also gave tips on how we can stand out as there is increasing competition in Computer Science.



## Park X Hunt, Cultural Club

On December 24th, the music competition 'Par-X-Hunt' sponsored by Park Avenue was held for college students who were questing for talent. Each year, 150 colleges across the nation compete in this competition. Our college got an opportunity to participate this year. Students from Poornima College of Engineering participated in order to qualify for the next level of the competition.

The students showed remarkable talent in all the four categories: Group song, Band, Solo song, and Instrumental.

Shailesh Nakrani (Lead Marketing ParX Hunt), Pooja Dhruva (Social Media Strategist ParX Hunt), Mukund Gaud (V.G. Corporate Events) were the dignitaries of the event. The event's sponsor was Park Avenue India with the idea of promoting India's budding talent and finding the best one. In this college-level event, there were participants from Poornima college of engineering and technology, Poornima College of Engineering, and Poornima University.

On December 22nd, the auditions were held at mb05, Poornima College of Engineering. There was a lot of enthusiasm among the students during the duration. The auditions were judged by Kuldeep Sharma (Faculty First year Department ), Nikunj Maheshwari (Fourth year PIET, previous Chair PIET) and Abhinav Sharma (Third Year PCE, previous Captain, Cultural Club) of the 106 students among who came to showcase their talent from Poornima Group of Colleges. In addition to it Red Bull sponsored the auditions, the energy drinks were provided to each participant during the auditions. After the completion of the auditions even the coordinators were too been conferred with the red bulls for the praise.

This event was organized by The Cultural Club, PCE in ARBUDA. It was done under the supervision of the captain and the club Members and supported by the faculty team.





## PATRIKA GATE EXHIBITION, UDAAN Aeromodelling Club

On the day of 12/03/2022, an exhibition was held at PATRIKA GATE JAIPUR. This was the exhibition where our teams from Poornima Institute of Technology and Poornima College of Engineering displayed a variety of aircraft models as well as a variety of other projects that demonstrated our technical abilities and creativity. We went there with a variety of models and teams, and the titles of all the projects are listed here –

1. Daffy Duck
2. Thunder Bolt
3. FPV 450 Drone
4. Yak 55
5. Engine Plane
6. Kaiser Rc plane
7. 3D plane
8. Fighter Jet
9. Hover Craft

Rajasthan Patrika covered our exhibition and interviewed some of its respected members. The RJs of 95FM Tadka also raised the morale of everyone by interviewing them and appreciating everyone. Our projects attracted a large number of members of the general public, and by telling them about our efforts and the technology we used, we were able to educate them about a new sector.

## spotlight plus पाई की ओर से पत्रिका गेट पर टेक शो एग्जिबिशन की शुरुआत फेस रिकग्नेशन सिस्टम पता लगा रहा ह्यूमन इमोशंस, हाथ के इशारे से चल सकेगी व्हीलचेयर

शहर के विभिन्न इंजीनियरिंग कॉलेजों के स्टूडेंट्स ने डिस्प्ले किए प्रोजेक्ट



### दिले कई तरह के इन्वेंशन

एग्जिबिशन में स्टूडेंट्स ने रोबोट, ड्रोन, इलेक्ट्रिक मोटर, जेनरेटर, ड्राइव सिस्टम, आरसी कार और जेट प्लेन जैसे इन्वेंशंस को डिस्प्ले किया। व्हीलर कंट्रोल ऑटोमैटिक डोर, मोबिलिटी सेंसर, फ्लैटबल हाउस मॉडल, विलड योर ऑन ग्लाइडर, हाउ टू फ्लाई एंड कंट्रोल ए ड्रोन सहित कई एडिटेड वीडियो हैं। इसमें पूर्णिमा इंस्टीट्यूट, एएनएमआईटी, एएनएमआईटीआर, पूर्णिमा कॉलेज, एएनएमआईटी, टिकरी, टीआ एएस एडवांस्ड टेक्नोलॉजी सहित कई संस्थानों के प्रोजेक्ट वाता रहे।

### गेट का आर्डर पहुंचाएगा रोबो

एएनएमआईटीआर के शिव प्रकाश दास, मनीष सिंह, उदयवीर सिंह और सतीश यादव ने ऑटोमोबिलिटी रोबो तैयार किया है। यह एडवांस्ड रोबोट है, जो रेसिंग में यूज करने के लिए बनाया है। यह रोबो पथ के इंटरवर्क पर चलेगा और वाई-फाई के थ्रू कनेक्टेड रहेगा। किन्तु से ऑर्डर लेकर गेट तक पहुंचाएगा और वापस अपनी जगह आ जाएगा। इसे एलेक्ट्रिक में तैयार किया है, जो पांच किगो तक का वजन उठा सकता है इसे 15 हजार रु. में तैयार किया है।

### वॉर में यूज हुआ थंडर बॉल्ट

रघुल रानी, मयंक यादव, रविव कुमार अक्कल और गौरव सिंह ने थंडर बॉल्ट डिजाइन किया है। यह वॉर में यूज हो चुके थंडर बॉल्ट का प्रोटोटाइप है, जिसमें बम को रखने के अलावा अन्य इस्तेमाल रखे जाते हैं।

### इसे ड्रेमनेन चुरर कम्पेस सेंसर पर बनाया गया है। इसे डेड ह्यूमन के समय में तैयार किया गया है। इसे सीमियर की गार्डिंस से बनाया गया है। इसका माकअप देश को सुरक्षित बनाने के लिए सेवा को मजबूत बनाता है।





## INTER COLLEGE FLYING COMPETITION, UDAAN Aeromodelling Club

It was an R.C plane air flying competition organized by JECRC University. In which Udaan club participated with our best six teams. In which the different kinds of flying and stunts were performed.

And we are glad to mention that we won the prize of winners and runner-up. Mayank Agarwal & Vishal Sharma stood winners and the proud runner-ups were Akshay Kumar & Rahul Sharma.



## Poster-Making Competition, UDAAN Aeromodelling Club

A poster-making competition was organized for the First year students by online mode, during the celebrations of republic day. In this competition, students prepared a digital posters on the topic of the Indian Air Force by their own creative skills and the club got many excellent posters with the winner being Jassi Singh from PIET.



## SKYMAGIC WITH AIRSHOW, UDAAN Aeromodelling Club

In AAROHAN 2022 on 17th February 2022, a sky magic Airshow was organized on the PCE campus.

The airshow started at 4 pm There was a lot of audience surrounding us with excitement. It was very high on the audience and us.

Rahul Singhi sir was invited as chief guest. We started our airshow at 5pm. There were many aircraft of different different types and a drone that was ready for the airshow.

We started for the first airshow and it was a fantastic airshow. After it we flew another advanced aircraft which also were amazing with the noise of the crowd with excitement. Here we can see the real view of the day in these pictures.







## Android Study Jams, GDSC

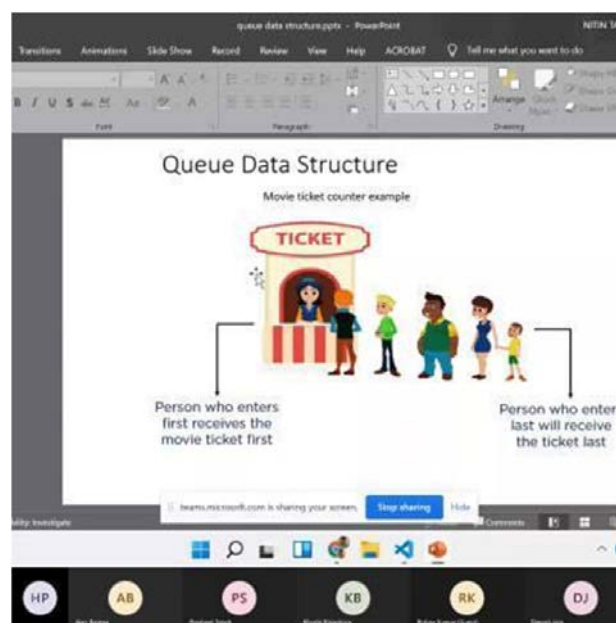
With a motive to develop the zeal of android development, Android Study Jams are organized every year by the GDSC in collaboration to provide the best of the guidance. It is organized every year by the team of Google and GDSC of several colleges that promote it through their resources. All the documentation and tutorials are provided by Google to help benefit students. With a participation count of 400+, the event was a success. Many students benefited through the event as they got to learn the basics of Kotlin and got to know about how the things work while developing an app. They were excited and pleased to learn from the sessions as well as from the documentation provided by Google.

## DSA Week Workshop, GDSC

With a motive to develop the zeal of DSA, DSA week was organized this year by the GDSC in collaboration with Code chef to provide the best of guidance. All the documentation and tutorials are provided by the GDSC Core Team to help benefit students. This was a week-long Bootcamp that includes hands-on sessions and at the end, we test their knowledge with a coding test/competition.

## Flutter Festival, GDSC

Flutter Festivals is a community-led event series where developers can join to learn the fundamentals of Google technologies. - featuring Flutter, Firebase, and Google Cloud content. There were hands-on sessions that included interactive forums with Flutter and Firebase. Also, there were certificates for those who completed the milestone, that is, created the app and submitted it as a project along with some eligibility criteria. There were 2 sessions wherein an expert Ms. Renuka Kelkar was called who is also the Co-lead of GDG London and also the founder of TechPowerGirls. Also there were 2 hands on workshops as well to guide the students.







## Tech-quizite, GDSC

With a motive to develop the zeal of Technology among the students, Tech-Quizite is organized by the GDSC Poornima college of engineering in Collaboration with AAROHAN.

There were 30 questions and all questions were rapid fire questions, all the questions were based on Coding languages.



## An Entrepreneurial Motivation Session on Cloud Computing and Innovation by Mr. Akhilesh Laddha, Vice-president, Tech Mahindra, USA, PIIC



On December 23, 2021, Poornima Innovation and Incubation Cell (PIIC) under the flagship of IIC conducted an entrepreneurial motivational session on Cloud Computing and Innovation for students of Poornima College of engineering to motivate young students for entrepreneurial spirit. Mr. Akhilesh Laddha, Vice president, Tech Mahindra (USA) was the key speaker of the program. At the start of the session, the President of the PIIC & Vice Principal, PCE, Professor Pankaj Dhemla welcomes the speaker with a bouquet and memento. Mr. Laddha is responsible for driving cloud business (AWS/Azure/GCP/IBM/Oracle) across industry verticals in America & Canada. He is accountable for providing cloud consultancy to enterprises for cloud adoption; define best suited solutions leveraging cloud technologies, design cloud-native application architecture and develop accelerators across cloud layers for rapid cloud adoption and leading application transformation pursuit end-2-end. He has 21+ years of IT Experience across different streams- Creating Public cloud & Cloud migration practice from ground-up & growing at scale, leading technical sales in USA, heading Practice, leading Solution Architecture team, pre-sales, delivery & application development. He also mentioned how this technology is helping people throughout the world in their startups and what is the future in this industry. He talked about various startups using this technology namely, OLA and SWIGGY and how they manage such an enormous number of users on their server. Mr Laddha mentioned that when you dream big and have a dedication to achieve these dream goals, barriers.







## An Entrepreneurial Motivation Session on Waste to Wealth by Dr. Vijai Singhal, CEE, RSPCB, PIIC

On December 14, 2021 Poornima Innovation and Incubation Cell (PIIC) under the flagship of IIC conducted an entrepreneurial motivational session on Waste to Wealth for students of Poornima College of engineering to motivate young students for entrepreneurial spirit. Dr. Vijai Singhal, CEE, Rajasthan State Pollution Control Board was the key speaker of the program. At the start of the session, the President of the PIIC & Vice Principal, PCE, Professor Pankaj Dhemia welcomes the speaker with a bouquet and memento.

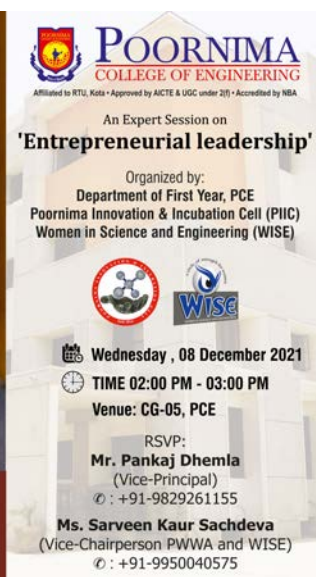


Presently, technical head of Rajasthan State Pollution Control Board and is engaged in implementation of various Acts and Rules related to Air & Water and various rules framed under Environmental Protection Act, 1986. Earlier, headed the solid waste management division of the State Board. Extensive work experience in governance of various regulations related to air and water pollution, biomedical waste, hazardous waste, municipal waste, plastic waste, C & D waste and e-waste. Undersigned has been a catalyst in promotion of utilization of hazardous waste for co-processing in cement industries in the state and in preparation of climate Change Action Plan for the state of Rajasthan. During his talk, Dr Singhal talked about various ways how waste can be recycled and how this is effective as a startup.

## An Entrepreneurial Motivation Session on Entrepreneurial Leadership by Hitesh Ramchandani, PIIC

On December 8, 2021, Poornima Innovation and Incubation Cell (PIIC) under the flagship of IIC conducted an entrepreneurial motivational session on Entrepreneurship Leadership for students of Poornima College of engineering to motivate young students for entrepreneurial spirit. Mr Hitesh Ramchandani, founder of BTN Physio Hub was the key speaker of the program. At the start of the session, the President of the PIIC & Vice Principal, PCE, Professor Pankaj Dhemia welcomed the speaker with a bouquet and memento.

Hitesh Ramchandani was the speaker of the day for the session hosted on 8th December 2021. During the session he talked about the struggles he faced throughout his entire life, how people had given up on him because of his underlying condition, Cerebral Palsy, how he fought with all the circumstances and how he rose and proved himself to everyone who doubted him. Nearly everyone, be his friends, teachers or batchmates had given up on him but the only ones who always supported him and still support him were his parents. To support his statement, he told a story about his secondary school when he couldn't even walk properly. So, all this motivated him to support all the physically disabled people with his startup BTN Physio Hub. This is one of the biggest physiotherapy clinics in the world. He has also written a book named "BETTER THAN NORMAL". For becoming an entrepreneur, he stated that one should have problem solving skills as a passion. He has a never giving up attitude which makes him stronger in every aspect. Throughout his life he had read several books, novels and had learnt something from almost everyone in his life and had applied their teachings in his life.





## Intellectual Property Rights: Patent, Design, Trademarks, Copyright, PIIC

On January 6th 2022, Poornima Innovation And Incubation cell (PIIC) in collaboration with Ministry of commerce and Industry, Government of INDIA under the flagship of IIC & NIPAM conducted a virtual session on Intellectual Property Rights for students of Poornima College of engineering to create awareness among students on intellectual property rights. NIPAM (National Intellectual property awareness mission) aims to provide awareness on intellectual property and rights to 1 million students and to inculcate the spirit of creativity. At the start of the session, Dr. Mahesh Bunde, Principal and Director, PCE, Dr. Rekha Nair, Dean, academics Chairperson, welcomed the Speaker with a virtual memento.

Dr. Komal Chaudhary, NIPAM Officer, Patent Office Delhi, was the speaker of the day for the session hosted on 6th January 2022. During the session she started with explaining about the types of property and then explained the Intellectual Property i.e., patents, designs, trademarks, copyrights, SICLD, etc. She briefly described patent, design, trademark, copyright, and geographical indication. And also gave the difference between them. and how to file a patent application in India and the points to be remembered before filling a patent.



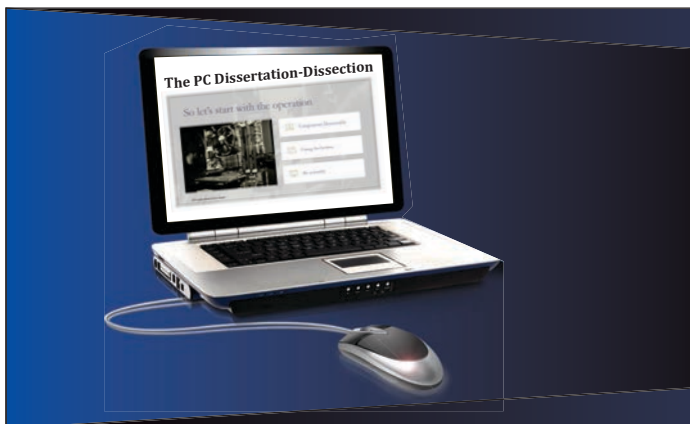


## The PC Dissertation-Dissection, ISTE



On December 17, 2021, the Indian Society of Technical Education, Student Chapter PCE held a one-hour offline induction cum technical seminar at seminar hall CG05 on the Poornima College of Engineering, Jaipur campus with the primary goal of making students aware of the society and its works and benefits provided by them hosted, organized & anchored by Jeevesh Kishore Sharma "Captain ISTE".

The session began with the students being informed about the society's introduction, which included an explanation of some of the society's benefits as well as its objectives. The audience also had some questions, which were answered. The technical session then moved on to the PC postmortem section of the session, where students were shown live dissection and assembly of a personal computer and its parts were explained using today's technological advancements. All of the components were thoroughly explained while the procedure and students' in-between questions were solved/answered. Students were taught about the fundamental operation of all computer components, such as the Central Processing Unit "CPU," complementary metal-oxide semiconductor "CMOS," and many others. Various common system errors, such as the BSOD error "Blue Screen of Death" and the press F1 to continue error, were discussed, as well as the causes of them.



## AADHAR

Aadhar is an initiative taken by the Zircon Club that intends to flourish the overall skills of an individual. Every talent needs a platform and to provide such a platform the club conducts AADHAR every year. It was started back in 2007 by students of Poornima to develop harmony and teamwork among students so as to showcase their talent. It's a great workspace and a comprehensive inventory.

This is the platform where the students of the first year get a chance to implement their theoretical knowledge in the practical arenas. The zeal and passion of the Zircon Club make this fest a gifted asset for the students of Poornima.

**CHIEF GUEST**



**Dr. Balbir Singh Bisht**  
Regional Director, WR & Scientific Officer-II  
Atomic Minerals Directorate for Exploration and Research  
Department of Atomic Energy



**POORNIMA**  
COLLEGE OF ENGINEERING

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA

**AADHAR-X** 

February 15, 2022

In Association with
















## LIST OF EVENTS

- Robo-War:** Each team will have a dominating technique, either defending or attacking and the bots are made accordingly. Each team had a maximum number of 5 participants. The duration of each match was decided to be 5 minutes. Teams were allowed to relocate their bots during timeouts of only 30 seconds with a maximum of 2 timeouts. Striking was allowed only on the body parts, cables and motors were forbidden to be attacked. If cables got entangled and both bots can't move then a timeout was given to both the teams to straighten the wires and bots were placed in the same position.
 
- Robo-Soccer:** A soccer robot is a specialized autonomous robot, controlling your bots to get as many goals as you can is the main objective of this game. Both wired and wireless bots can give tough competition to the bots of the opponent team. Each team had to defend the goal on its side as well as score the goal on the opposite side. Each team had a maximum of 4 participants. A team can make either one robot or at maximum 2 robots taking into consideration that the total weight of 1 or 2 robots the controller and batteries should not exceed 5 kg. In case of a jam of the robots for more than 30 seconds the robot will have to kick off again at the order of the referee. The robots were not allowed to use grippers or actuators which are intended to harm the opponent's robot.
 
- Robo-Race:** Autonomous or wired racing robots are the focus of the competition. The goal of the competition is to increase robot driving skills by creating more realistic race circumstances and reducing the scope of perception problems. There will be no stop signs or traffic signals, and all cars will be obliged to halt safely at the end of each race and to operate without injuring or endangering other robots during the race. The event was marked by the fastest and the most balanced bot.
 
- Line Follower:** Line Follower is a machine that can follow a path. These robots are used in semi as well as fully autonomous plants. The line follower is a self-operating robot that detects and follow a line that is drawn. The line can be black on white or vice-versa. Line follower robots were one of the earliest automatic target-hunting robots. This line following robot are made using the Infrared Sensors or the IR sensors. These sensors are an electronic instrument that is used to sense characteristics of its surroundings. In case of line follower, it senses the black or white line and hence moves forward sensing the same line.
 
- Circuitry:** Circuitry is the detailed plan or arrangement of an electric circuit or it is the science of designing electronic or electric circuits. The circuitry is the most important part of electronics. Circuitry not only helps us to make and test the circuits available but also to try different arrangements to get a different result every time. Circuitry brings a world of new opportunities and research within it. An event organized with the aim to minimize human labor and to plow new lanes of automation.
 





- **Machine-O-Mania:** A hand on an opportunity to explore and expand your imagination. design the machine you desire. This competition not only challenges your skills but your ingenuity and innovation along with the efficiency of your model persists. The very spirit of engineering is creation. Take your inspiration from the wide scope of existent phenomena and create something spectacular. Bring your thoughts and ideas into this robot and make something that fantasizes about you real. Since fantasies are the upcoming realities.
- **Spud Gun:** A toy gun that fires a plug of potato by compressing the air in the barrel, forcing the potato projectile out at speed. A spud gun is a small toy gun used to fire a fragment of potato. To operate, one punctures the surface of a potato with the gun's hollow tip and pries out a small pellet that fits in the muzzle. Squeezing the grip causes a small build-up of air pressure inside the toy which propels the projectile. The devices are usually short-range and low-powered.







## What If?, JDC

Joshiley Drama Club organized the first activity of the club, which was a video making competition to challenge people to look around them, come out of their world and to think outside the box for ideas. The main theme of the activity was to create a video based on the things that could only happen in a parallel universe. The procedure we have followed for the participation in the competition: Potential students registered their names via a Google form (which has been made available on JDC's social media and through Official E-mail Id). The participants were then sorted into a five-member team by the organizing committee. From the second year on, each team has been assigned a mentor. The mentors were there just to coach the teams and will not take part in the competition. Students wrote a script according to their idea, acted in the video, edited it, and then submitted the final video using a Google Drive link which was provided to them via Google form.

All the entries have been shared on our social media platforms and the best two has been shared on insta story in which there was a poll for both the teams and then they have shared their content on insta story with their friend and ask them to vote for their team, and scores of polls was taken into consideration before the result preparation in the end.

Our judges then choose the winners, which has been revealed on the PIET, PCE Students' Council and JDC official social media pages. There were some rules which have been prepared for better transparency in the procedure of judgment and the rules were:

The Organizing Committee will divide the participants into a five members team. Each of which must work together to write a script, act in the film, and complete the final editing of the video. The final edited video must be related to the theme "WHAT IF..." and show the things that could possibly happen in a parallel world. There will be extra points for creativity of the team.

A maximum of 2 Minute and Minimum of 1 Minute video is allowed.

A minimum of 5 seconds of camera time is required for each participant.

This is a requirement that will be strictly observed.

The timeline of competition was as follows

- 21th Jan - 27th Jan: Registration, Team Allotment and Mentor Allotment.
- 27th Jan - 31st Jan: video preparation time.
- 31st Jan: Last date to submit final edited video.
- 1st Feb: Socialmedia posting and result Declaration.

The activity saw the participation of First-Year Students from PIET & PCE in a very good amount. 2nd year JDC Members played a crucial role as Mentors and helped the participants in guiding their products to perfection. Participants came up with very interesting ideas and products and showcased their Acting, Direction, and Video Editing skills in the competition. The judges of the competition were students from 3rd year from PIET (Yuvraj Dagur) and PCE (Yashasvi Pandey), accompanied by Student Mentors from 2nd year

The competition was won by Team 13 with their Topic - "(When a college boy enters in parallel universe)", consisting of team members Gaurav Prajapat, Deepti Dwivedi, Harshit Upadhyay, and Deepanshu Singh Bhadoriya. Closely followed by the runners up Team - 1 with their topic "what if...? College has reels as a subject", having team members Ankit Singh Chauhan, Ishan Jain, Harshita Jain, Raj Mehta, Aunsh Gupta.

**Joshiley Drama Club**  
Presents  
**A Parallel-verse  
What If...?**

**TIMELINE**

Registration, Team Allotment & Mentor Allotment	21st Jan-24th Jan
Video Preparation Time	25th Jan-30th Jan
Last date to submit final edited video	30th Jan
Social Media Posting and Result Declaration	31st Jan-1st Feb

A PLACE WHERE YOU CAN SHOW YOUR CREATIVITY,  
A PLACE WHERE IMAGINATION MEETS REALITY.

JDCsociety @joshileyDrama JOSHILEYDRAMACLUB





## AAGAAZ, JDC

There can be a thousand reasons to stop but when the reason to do it is your passion, nothing can stop you. Some laughed, some ignored, some waited to watch the play, and some appreciated the cause and understood the message. Joshiley Drama Club members performed a Nukkad Natak (Aagaaz) on 18th February 2022 in Aarohan 2022. The theme of the Nukkad Natak was 'Kuch Toh Log Kahenge' and the play was focused on

"LGBTQ" issues pointing out the stereotypes engraved in the society against the community. Lesbian, Gay, Bisexual and Transgender. Over the past decade, LGBT people have gained more and more tolerance and acceptance in India, especially in large cities. Nonetheless, most LGBT people in India remain closeted, fearing discrimination from their families, who might see homosexuality as shameful. Discrimination is still present in rural areas, where LGBT people often face rejection from their families and forced opposite-sex marriages. People in the LGBT community are fighting for equal rights and acceptance. Trans people, especially, face a lot of difficulty in finding acceptance. People in the LGBT community are looked down upon all the time. This is a major issue because discrimination against the LGBT community is highly prevalent. Our play was focused on how to educate people about LGBTQ community problems and how they are affected by it, but in a humorous way. The play was performed in PCE Arjun Garden.

There were members from 1st, 2nd, and 3rd year. There were two scenarios that were depicted in the play, the first one included in which Tansen was having a gay relationship with Salim (Akbar's Son) and Akbar didn't know about it at all, so he was praising to have relationship like Tansen's but when he came to know that Tansen was having gay relationship with his son. He punished them and said to the whole society that these types of relationships should only exist in opposite-gender people only, and this would never be accepted in our royal family. This act depicts that when people get to know about any LGBTQ relationship they might not worry or have a second thought about it, but when it comes to their known ones', they have a serious problem with it. The second one included an act in which parents take their girl to baba for curing her from so called being lesbian disease. This act depicts how society treats LGBTQ people as a disease and finding their cure from fraud Baba's and doctors. The powerful performances of artists were quite remarkable, they touched the audience emotionally and made them laugh also because of the good humor in the Nukkad Natak. The play was led under the guidance of Yuvraj Dagur, Yashasvi Pandey and Raghav Ojha.



## HotRods, TEAM HAYAGRIVA RACING

The whole event was based on the above-mentioned 4 levels. The group who are able to cross all 4 levels would get the opportunity to drive a Go - kart. The group would be of 4 members and 4 of them would be given 4 different individual tasks and once they clear their task they will unlock a tool and then will use these four tools to remove the tyres of the Go-kart and then they will have to put it on again. Then a member of that team who has a license will drive the Go-kart from one point to another and the team that does this whole procedure in the least time would be the winner. After the event one of the teams scored 1st position in all three matches continuously and was given appreciation from everyone. At the end of day 1 RedBull was distributed and served to all the participants to cheer them up and then they were dispersed.







## Human Rights Day Activity, Helping Hands

Human Rights Day is marked annually on December 10 around the world. The day is marked to raise awareness about cultural, social, and physical rights and to corroborate the welfare of society in all possible contexts. The day commemorates the United Nations General Assembly adoption of the Universal Declaration of Human Rights (UDHR) in 1948. To increase and develop awareness about Human Rights, the Helping Hands Group of Poornima Group of Colleges had organized activities for the students of PGC. Activities are Poster Awareness, Video Awareness, Instagram Polls, and Quiz. The entries were accepted from 7 December to 9 December (12 PM) 2020 through Google forms. We got a good number of responses from the students. All the responses were posted on our Instagram page (@thehelpinghandsjaipur). On 10th December Instagram polls were started that contain various information regarding questions. Our team members did a great job and made this activity successful. The purpose of this day was to raise awareness among people to fight for their rights and to stop those who are violating human rights.

## SHARED BIRTHDAY 3.0, Helping Hands

The event started by contacting the sponsors Shivanjali, GVD, Chandra Sounds, Garima Flowers for food, cakes, music, decoration. The event was held on 27 Feb on Akshay Patra. We have collaborated with Shivanjali Ngo to celebrate 300 children for their birthday. The activities held as follows: -

- Paper crafting
- Sketching
- Lemon race
- Dancing

In paper crafting we divide 30 students for each group then we teach them many things. In sketching, we gave them simple paper or printed paper sample paper for drawing something and printed paper to color it. In the lemon race, we divide 10 students for each group then we provide the necessary material required in-game. We gave gifts to the winners.

At last, we had dinner and the event ended on a happy note and the most important was the smile which we saw on their faces.







## Blanket Drive Report, Helping Hands

The world continues to suffer another year of a dreaded pandemic, but that does not stop us from watching out for you. The Helping Hands group in collaboration with shivanjali NGO with the same motto, organized a Blanket Donation Drive at Manna Children's Home Jaipur, on 24th January, 2022. Our team went among those beautiful little smiles, and distributed 50+ blankets and food packets, along a schedule full of some fun activities like, Games, painting activity and interaction session for the whole day!!

The blanket drive was held on the occasion of republic day, hence during the painting competition the title of the painting was Republic day itself, so as to build their skills along with creating a sense of respect for our country as well as to make them understand the meaning of patriotism.

Our team reached The Home at 12:30pm, the little smiles greeted them on the door and hence after some interaction, the painting competition was held and the rest of the schedule followed accordingly. The team returned from the Home around 4pm, bidding adieu to the twinkling little eyes, and fulfilling what we took upon us, as our duty.

## Amrit Activity, Helping Hands

Helping Hands Group organized the activity "Amrit 2.0" on Tuesday, May 24, 2022

In this activity, we installed water pots for birds in nearby areas. We will also take an oath to take care of these pots by refilling and cleaning them every day. The activity was to set up more than 100 water pots in different localities and to increase awareness about,

the Helping Hands Group of Poornima Group of Colleges. Students of PGC took part in this activity and played an important role in making this activity successful. We installed more than 100 pots and made necessary arrangements for daily filling and cleaning of pots so that pots can be used in a fruitful way. Our team members also did a great job in management and cleared every huddle.

The purpose of this day was to raise awareness among people for birds who are dying because of the rapid rise in temperature.

## Crimson Crew, Sports Club

On 5,6,7 February 2022, a BGMI, Free Fire, COD, Valorent competition was organized in the seminar hall of the PCE campus with a total of approximately 30 teams. Active participation was seen in the event.

In this event there were 6 rounds. The event was started by dividing the total teams into the given slots and the set was shared with the respective teams by coordinators under the supervision of judges. After all the teams make the ready for the tournament, we started the event set by set

After the intense pick up of energy and introduction of skills the winners qualified for next round, we started with the 2nd giving a break of 20 mins. After the event, one of the teams scored 1st position in 2 rounds continuously and was given appreciation from everyone. At the ending of the event lemon juice was served to all the participants to cheer them up and then they were dispersed.

The star of all the 4 event of is given below:

- BGMI
- Valorent
- FreeFire
- COD

## 100M BOYS RACE

In AAROHAN 2022 on 18th February 2022, a 100m boys 'race was organized at the PCE campus with a total of approximately 30 athletes. Active participation was seen in the event.

Stars of the 100-meter race are as follows:

- Preetam Singh(1st)
- Sanjeeban Banerjee(2nd)



**100M GIRLS RACE:** In AAROHAN 2022 on 18th February' 2022, a 100m girls' race was organized in the front ground of the PCE campus with a total of approximately 12 athletes. Active participation was seen in the event.

The stars of the event are given below:

- Arya Sethi(1st)
- Chiya Jamwal (2nd)

**VOLLEYBALL (GIRLS):** In AAROHAN 2022 on 18th February 2022, a volleyball girls' competition was organized in the front ground of the PCE campus with a total of approximately 9 teams. Active participation was seen in the event.

The stars of the event are given below:

- Tisha Shaad & Team(1st)
- Pinki & Team(2nd)

**BOX CRICKET:** In AAROHAN 2022 on 18th February 2022, a Box Cricket boys' competition was organized at the ground of the PCE campus with a total of approximately 30 teams. Active participation was seen in the event.

**KABADDI:** In AAROHAN 2022 on 18th February 2022, a kabaddi boys' competition was organized in the front ground of the PCE campus with a total of approximately 15 teams. Active participation was seen in the event.

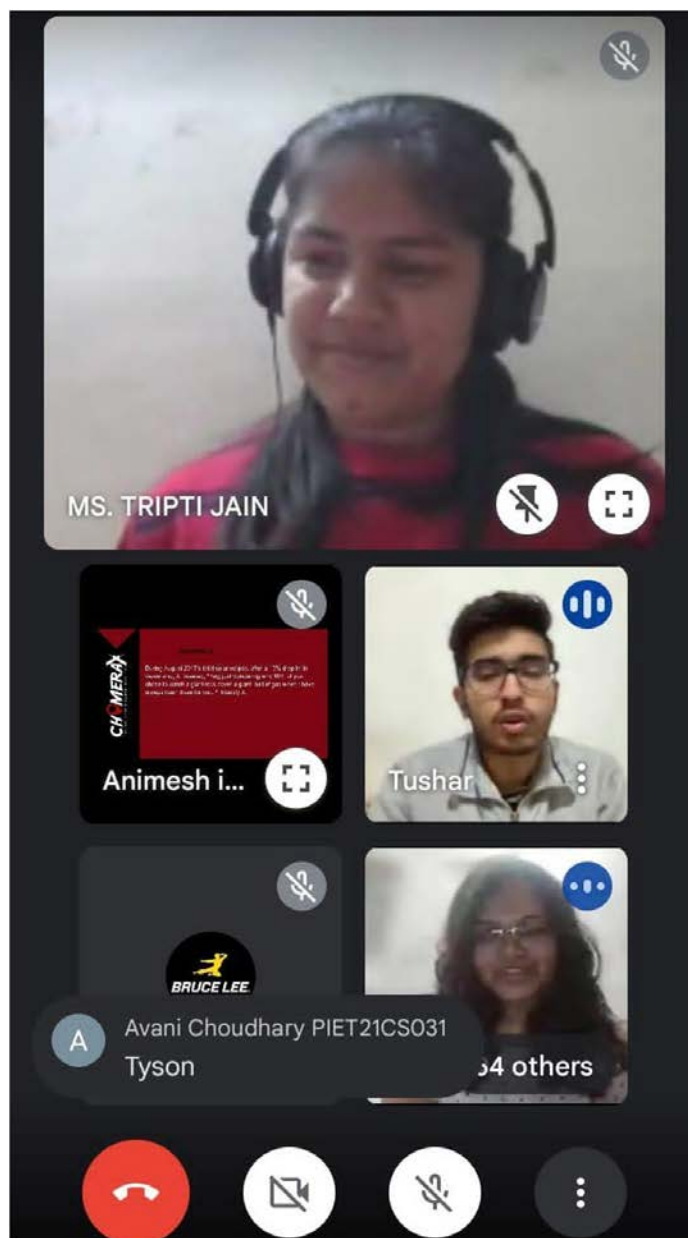
The stars of the event are given below:

- Alok Kumar & Team(1st)
- Vartesh Raj Singh & Team(2nd)

**BADMINTON:** In AAROHAN 2022 held on 17th February 2022, With a total of 200 and more students, participated in badminton. The matches were divided for girls and boys respectively.

**TABLE TENNIS :** In AAROHAN 2022 held on 17th February 2022, the Table Tennis match was organized in the PIET campus which had a total participation of 30 students. A sports in which two players hit a lightweight ball with solid rackets.

**TUG OF WAR:** In AAROHAN 2022 on 17th February 2022, we conducted this event to know the strength of students, we see unity with strength in each of the teammates.







**CHIMERA-X, IETE:** It is one of India's oldest NITs. ISTE SC MANIT is a renowned technical society of MANIT with an impactful national presence. ISTE SC MANIT conducted the annual students' conclave CHIMERA 22. It was an ONLINE EVENT due to the rising cases of COVID-19. The list of events conducted under CHIMERA are:

- CHIMERA X-the multicity quizzing competition
- MEGATREDZ -the online cryptic hunt
- CODEATHON-the inter NIT coding contest
- ANUBHUTI-the talk show

CHIMERA X is the annual event of ISTE SC MANIT with an exclusive reach of over 40 cities. It is a national - level quizzing contest providing an incredible opportunity to imbibe and showcase your knowledge. The event has an enormous CASH PRIZE of Rs. 30,000 coupled with exhilarating goodies at a minimal registration fee of Rs. 100

On January 23 ,2022, the Institution of Electronics and Telecommunication Engineering , Student Chapter PCE held a one-hour online session at Google meet. Maulana Azad National Institute of technology with Poornima College of Engineering organized the Biggest technical event Chimera-x.

An interactive session was conducted with the host of CHIMERA-X – “Animesh Nayak” and “Danisha Sharma” and co-ordinated by Captain “Tripti Jain” and vice captain “Jhalak Bora”.

They explained poornimites about the registration process of CHIMERA.

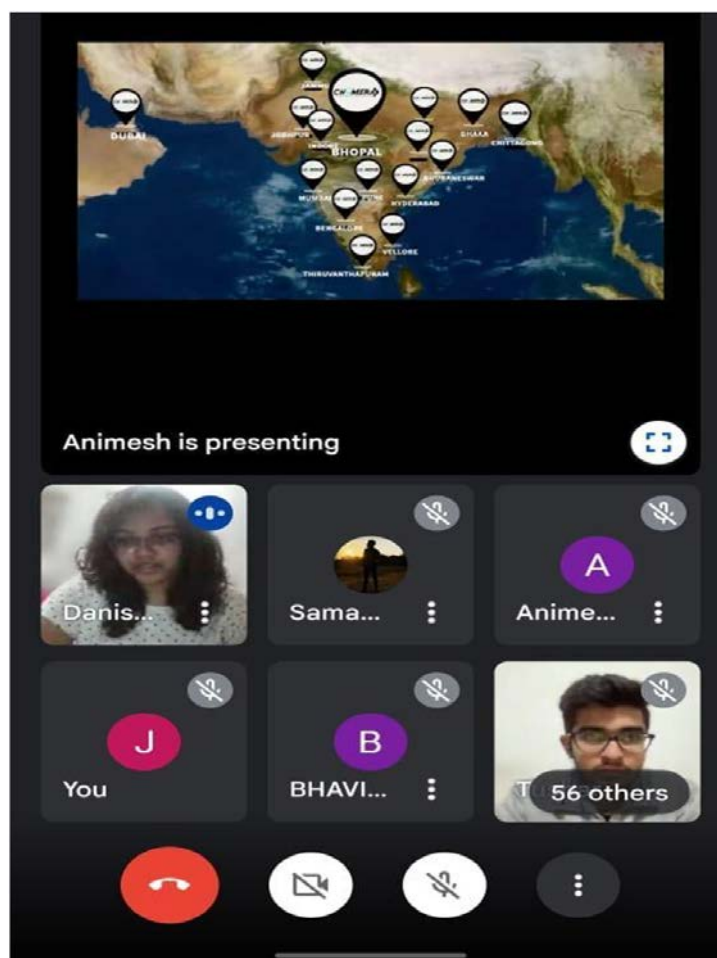
It was a session to make students understand the rules of the quiz and answer their queries regarding the same.

They gave a brief in the events taking place : CHIMERA, the multicity quizzing event , the MEGATRONUS, CODEATHON – the biggest international level coding event and ANUBHUTI-The talk show.

To make this session even more fun and lively, a quiz prototype was played with general questions based on entertainment,sports, Politics and various several fields which took the students interest in each quiz . It was to hype the students for the upcoming quiz event .

Animesh Sir and Danisha Ma’am also talked about Poornima Group and their enthusiastic participation and also enlightened us about ISTE MANIT, BHOPAL.They gave their guidance about the upcoming future events also.

They also presented their gratitude to IETE Student’s Chapter, PCE and poornima group of colleges for the same.





## VIEWS OF STAKEHOLDERS

### Parents of Charul Tongaria

Poornima College of Engineering, Jaipur is a great hub for both curricular as well as extracurricular activities. It provides the student with technical training, and interaction to various known personalities in the field by seminars, technical fests etc. as well as college fests, sports activities, trips, etc. in order to refresh children.

The infrastructure, management, teaching staff, and environment is great which help the students to grow with each passing moment. We are proud to be a part of the extended Poornima family and hope for the best future for all of its children.

I thank sincere and dedicated faculty members for putting their efforts to enhance the knowledge of students.

Best wishes to the Poornima Group. Thank you!



**Charul Tongaria**  
PCE21CS037

### Parents of Harsh Kukreja

We are very happy after enrolling our child in Poornima college of engineering. We see our child participate in different types of activities be it technical, cultural, physical, etc. PCE is a place for children to explore themselves in a better way. We feel very obliged that our child is a part of Poornima college of engineering. Here the campus is very Warm and bright. Faculties and management are very kind and supportive.

Best Wishes to Poornima Sansthan!

With Regards

Mrs. Neelam Kukreja & Mr.Ramesh kukreja



**Harsh Kukreja**  
PCE21CA023



## Parents of Divyansh Johari

Our heartfelt thanks to the faculty and the management of Poornima College of Engineering for providing an enabling environment for our child to thrive and develop the required skills to be triumphant in every aspect of his future life

Life in Poornima is different from all the other institutions. Here students are provided with regular opportunities to excel in both curricular and extracurricular activities with the advent of non-syllabus projects and rigorous evaluations of one's progress.

Not to forget the coding culture on the premises. The college hosts various coding clubs and activities to enhance the coding skills of the students and make them industry ready by hosting I-3 days once a week for improving soft and reasoning skills.

In the end, we would like to thank our child's tutors for always being there for him and guiding him to become a better version of himself

Best wishes to the Poornima Foundation.



**Divyansh Johari**  
PCE21CA020

## Parents of Aman Mudgal



**Mr. Pawan Mudgal and Mrs. Neha Mudgal**

It's our immense pleasure to say that our child has undergone tremendous positive change in his attitude and behavior. All thanks to sincere and dedicated faculties and of course Poornima College environment and decorum. We have heard about the reputation of college at the time of counseling and with the development implanted in our son, we undoubtedly can say it holds to its standard. We are satisfied with our decision of getting our son enrolled in Poornima College of Engineering.

**Aman Mudgal**  
III Year, EC



## INTRODUCTION OF HOSTELS AT POORNIMA



**Mr Ashwini Lata**  
Director, Student Welfare

The cost of discipline is always less than the price of Regret; so self-discipline is the biggest investment for success in life. It gives us mammoth inclination to welcome you all to be a part of PCE family that strives to provide students a homely and healthy atmosphere with complete Safety and security in the hostel. At the hostels of PCE, we not only take efforts to provide its students a neat and clean environment and a comfortable place to live in, but encourage them to live in discipline. We understand discipline is the key to success and career building; hence we promote self-discipline among students. We know hostel life is a union of diverse cultures and different upbringings, which blends into a harmony for a rich and memorable experience. We provide atmosphere where they can learn, laugh and live to the fullest. The Wardens and caretakers ensure that the students get a clean, green and

relaxed atmosphere. We promote green sustainability inside the hostel premises. PCE hostel infrastructure is fastened with amenities like 24 hour power supply, cold and hot water availability, Wi-Fi connectivity, clean and hygienic environment, spacious and comfortable rooms, central air conditioning cooling system, clean toilets, periodic disinfection of building, mess with dedicated staff, nutritious menu with variety, laundry support, activity room, playgrounds, 24 hours medical facility and many more things inside hostel campus and 24-hour security and well-equipped gym. Comforts are important but they are not enough. Talent shows, dramatics and literary events are organized from time to time. The inmates of hostel are encouraged to live in harmony, alike one big family, offering each other a helping hand whenever required. Mutual cooperation is to make hostel life a rich and fruitful experience. Living in a hostel presupposes high degree of integrity, mindfulness, cooperation, open-mindedness and hard work for a bright future and good image of the institution. It also becomes the highest obligation & responsibility of all residents that they must keep the University hostel free from Polythene, Alcohol, Smoke etc. to ensure pollution free environment and refrain themselves to be part of any unlawful act including ragging to avoid any severe disciplinary action from the college.

### Life at Poornima Hostels and its advantages at a glance:

It is said that home is sweet. But even then life at home cannot be compared to the life in a hostel. The greatest blessing of hostel life is independence. Apart from the general rules and regulations, which are to be followed necessarily by everyone, one is his/her own master. Here, life is full of opportunities and amusement. One is constantly in touch with young person of one's age. One can make friends with one's hostel fellows who have varied tastes and aptitudes. He/she may choose friends according to their own liking. In a hostel, a student comes in contact with a number of other students. He acquires many good qualities from them. When a student sees his/her next door neighbor daily taking morning exercise, he/she also gets inspiration for trying to be healthy. One good student may become an example for other 25 hostlers. When one is ill, all his hostel fellows try their best to serve him/her. Mutual cooperation, sympathy, and love are characteristics of hostel life.

In nutshell it will not be an exaggeration to say that 'only a hostel is the place where an all-round development of personality is possible'.







### **Apart from it following are the characteristics features of hostels at Poornima Group:**

- Congenial atmosphere for study
- Students learn many good things in hostels
- There is a fixed time for everything making students habitual
- Students lead a disciplined life
- Students learn regularity and punctuality
- Students can get help from the bright students
- Increased aesthetical, cultural and intellectual values
- Students can also borrow books from one another
- Students have the opportunity of reading newspapers
- Students learn many useful lessons of life
- Students have to do everything for themselves
- Student creates in them the habit of self-reliance
- Festivals are celebrated
- Great opportunity to develop social skills
- Much better records of attendance, results & placements as compared to non-hostellers
- Increased opportunity for students to become team leader for various fests of institutions as well as hostel
- Free Internet in Internet Lab
- Mentorship Program
- Special lectures by expert teachers under mentorship program
- Various activities for skill enhancement
- Various activities for placement preparation
- Separate Hostel Library
- Opportunity to actively participate in many Intra & Inter hostel competitions
- Learning experience to manage monthly expenses
- Negligible commute time from hostel to institution, thus saving time for other activities
- Hostellers get preference for attending campus sponsored events
- Huge academic support from friends & faculty members available 24x7
- Regular Alumni interactions
- Hobby oriented programs available
- Full access to all sports facilities
- Tuition Shuttle Service
- Regular housekeeping & maintenance
- Hot water through solar water heater available throughout winters
- Purified & Chilled RO water (available only in PF hostels)
- Variety of items available at subsidized rates @ canteen and provision store
- 100% Secured campus
- 24x7 electricity backup
- 24x7 Medical facilities and Ambulance
- 24x7 Wi-Fi facilities (for all Wi-Fi enabled gadgets)
- Complete Gymnasium with ultramodern equipment
- Laundry Facilities
- Guest house facility for parents
- TV room, Seminar Halls & Arbuda Convention Centre for watching movies and cricket matches.



In the past eighteenth years PF hostels has shown a tremendous growth rate in every aspect and has produced a successful team of techno-gurus. PF hostels has not only focused on academics but also on the overall personality growth of every student residing in hostels. PF hostels has an aim of "stepping towards perfection". To fulfill this aim we trying from heart. For this purpose we are going to implement a lot of new ideas in hostels. We will also have a lot of non-academic activities to provide a better environment for perfection which leads PF hostels closer to its aim.









## MENTORSHIP PROGRAM:

**Art and Craft Club:** Art and Craft club is the club which brings out the creativity from the students. This club is basically for the hostellers and especially for those who are interested in learning some new skills related to art and craft. In this club the students are aware of many new things like paper craft, clay modeling, writing fonts in calligraphy and many more things. The club activities related to art and craft helps the student to develop their interest and passion in a particular field.

**Dance, Drama and Music Club:** Dance, drama and music is a performing art form consisting of purposefully selected sequences of human movement. This movement has aesthetic and symbolic value, and is acknowledged as dancer by performers and observers within a particular culture. Drama is the specific mode of fiction represented in performance like a play opera. In this club, we aim to enhance a person's skills for dance, drama and music. It supervises every moment for a person to reach high in dance, drama and music.

**Media and Marketing Club:** We humans are social animals. We stack ourselves up against an established social hierarchy. Likeminded people get together and form a small social group. In the era of internet, it is 100 times easier to connect with likeminded people. As a club, we bring together some of the brightest minds, interested in exploring the ever changing dynamics of marketing. The club aims at keeping members abreast with the latest on marketing while integrating the vast experience of its members across functions and industries such as advertising, research, sales, branding communication and digital marketing to name a few.

**Personality Development Club:** "The only person you are destined to become is the person you decide to be"

Personality development makes you a confident individual who is appreciated and respected wherever he goes. Our personality is developed over the years and hence it is important to make sure that we imbibe positive traits in ourselves right from a young age. That is why the personality development classes come into the picture. As it will help the individual to set goals and reach to the potential.

**Poornima Pathshala Club:** We are a group of dedicated students who aim to use the club to provide a wide range of activities to broaden students. Poornima pathshala is the social welfare community of Poornima foundation. It educates society by providing quality education to the young ones regardless of their social and economic status. To ensure overall development of the child to make him self-reliant and a responsible member of the society. Hence, this movement has been initiated to educate the underprivileged children and bring the light of knowledge in their darkness of poverty.

**TATVA TORQUE- Hostel fest:** Hostel fest is the best part of hostel life. No studies, no strictness over fun, no boundations over attire. This is the time when all the girls enjoy together rather she is senior or junior. Every year, hostel fest held in March for three days. Overall theme of Tatva Torque is O 'WOMANIYA. Every day has specific themes .Every girl has to dress up according to respective theme. Events are the big part of fest. There were more than 20 events this year comprising of technical, sports, club and cultural. Decorations attract every new junior and students make efforts to decorate the hostel as best they can. The biggest event was Facet diva. One girl has been crownd as Facet diva. Final year is the organizing team. Overall, students can make more memories by taking part in hostel fest.





**Mehndi:** Mehndi is a paste used to apply on hands on auspicious occasions in Indian culture. Girls or women used to decorate their hand by mehndi as a temporary form of skin decoration. Mehndi can prevent too much stress because it cools the body and keeps the nerves from becoming tense.

**Rumal Jhapatta:** Rumal Jhapatta is the kind of an outdoor game organized in three rounds. First round was the selection of teams out of the total registered teams. In this game a handkerchief is used and placed inside the center circle. The players of both the team should remain outside the circle. The players of both the teams have to rotate around the circle atleast once and then only they can take the handkerchief from center

**Open Mic:** An open mic a live show at a coffeehouse, comedy club or institution at which audience members who are amateur performers or professionals who want to try out new material or plug an upcoming show are given the opportunity to perform onstage. Typically, as the name suggests, the performer is provided with a microphone which is plugged into a PA system, to make the individual's performance loud enough for the audience to hear. Often the performers sign up in advance for a time slot with the host or master of ceremonies, typically an experienced performer or the venue manager or owner. The master of ceremonies may screen potential candidates for suitability for the venue and give individuals a time to perform in the show.

**Let's make a page:** Let's make a page is the competition for making the best web page.. The participants has to make a web page which consists of a registration form with the given requirements. It was organized in the Net Lab on 15th March.

**Solo/Duet Dance:** Dance is a performing art form consisting of purposefully selected sequences of human movement. This movement has aesthetic and symbolic value, and is acknowledged as dance by performers and observers within a particular culture. ]Dance can be categorized and described by its choreography, by its repertoire of movements, or by its historical period or place of origin. Solo/Duet dance competition organized in two rounds. First round was the audition round, wherein the teams had to show the dance routine and submit the songs to the coordinators. The main stage event was on 15th & 16th March, 2019.

**Beg Borrow Steal:** Beg Borrow Steal is organized in two rounds. It is a group event in which each team have two participants. First round was the registration round, where the interested person registers itself on the given website. The main round held on Hostel gate on 15th march, 2019.

**Crazy Selfie:** Crazy Selfie is the kind of fun activity where people have to make different type of funny faces or make the video of the respective task. This is an individual task and done with the help of crops (broom, whistle etc).

**100m Race:** The 100-meter sprint is an exciting event. One of the truest forms of human competition, sprinters must run in a straight line as fast as possible. The winner of the 100-meter sprint is the first runner to cross the finish line.

**Tug of War:** Tug of war is a sport that pits two teams against each other in a test of strength: teams pull on opposite ends of a rope, with the goal being to bring the rope a certain distance in one direction against the force of the opposing team's pull.

**Facet Diva:** Facet Diva is a event in which girls participate and undergo various rounds, being tested on the basis of strength, intelligence, physical appearance and personality. This is conducted by the fourth year student. And finally judges are smaller for final assessment.

**Flash Mob:** A flash mob is a group of people who assemble suddenly in a public place, perform an unusual and seemingly pointless act for a brief time, and then quickly disperse, often for the purposes of entertainment, satire, and artistic expression.



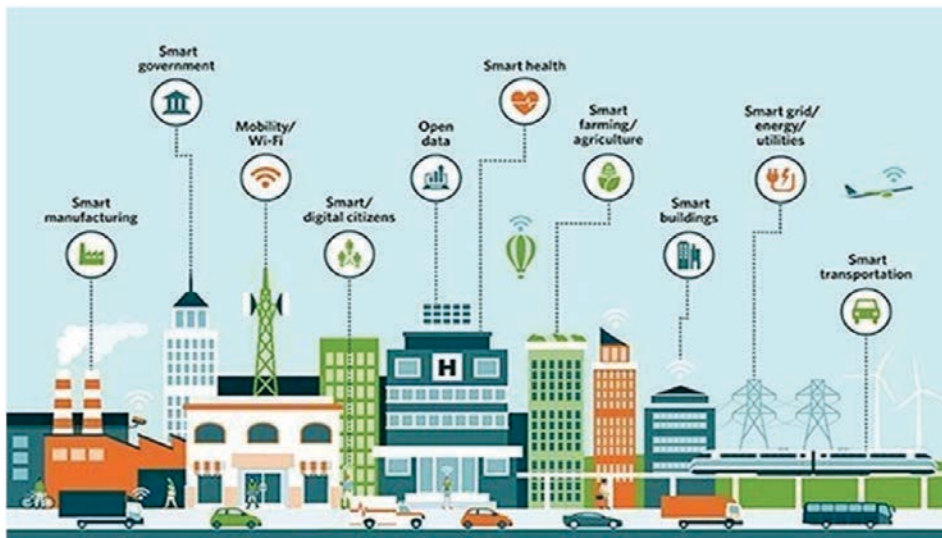




## STUDENTS' ARTICLES

### THE DIGITAL TRANSFORMATION OF BUSINESS MODEL INNOVATION

The phenomenon of digital transformation has become very popular in recent years. Digital transformation or “digitalization” is “the integration of digital technologies into business processes”. The exploitation of digital technologies offers opportunities to integrate products and services across functional, organizational, and geographic boundaries. Digital technologies have substantially transformed the business and society, bringing fundamental changes through the new emerging approaches of the circular and sharing economy. The new digital environment requires firms to use digital technologies and platforms for data collection, integration, and utilization, to adapt to the platform economy and to find growth opportunities to remain competitive. From a theoretical perspective, this study contributes to these digitally-enabled types of Business Models Innovations, which make the emergence of Business Models a promising unit of analysis for undertaking innovation strategies. It also responds to the knowledge gap in the literature and enriches our understanding in the digital transformation of Business Models.



#### Objectives of digital transformation

- To improve service-Service improvement is one of the cornerstones of digital transformation. Any internal enhancements cannot be for the sake of themselves. Customers must enjoy a better service and their needs must be met faster and more fully.
- To create new business models- Every business operates through a series of repeated processes. Digital transformation allows competencies to be refined to improve processes.
- To create new business models-The digital revolution has opened several new business models. Improvements in technology mean that old business models can be usurped and taken over in no time.
- To reduce costs- Cost-reduction is highly-desired in business. Since the days of the industrial revolution which mechanized hand-driven processes, cost reduction has been the difference between business survival and failure.
- To improve employee performance-Digital transformation can create a work environment where employees can improve productivity in their daily work lives.

**-Sejal Jain**  
CSE, First Year





## INNOVATION VS. TRANSFORMATION: THE DIFFERENCE IN A DIGITAL WORLD

One of the major differentiating factors between transformation and innovation is speed—or lack thereof. Transformations take time—moving from one state to another is a process. Innovation, on the other hand, usually refers to a sudden spark of creativity, and the incipient actions that lead to implementing that spark into a company's strategy. Innovation requires encouragement, collaboration, and communication, but it typically implies clear steps that must be taken—it's the start of something great. What happens after is transformation—the implementation process following that first spark of innovation. It also suggests an eventual end once the transformation has been completed. Digital transformation is a clear example of the difference between innovation and transformation. Essentially, digital transformation describes the process by which a company forms a strategy to implement technology to improve business and meet the ever-changing demands of the consumer. The goals of a digital transformation can include broadening the company's reach, improving operational efficiency, transmuting the company's culture and image, or all the above. Traditional business practices are consistently put to the test in the face of evolving technology, and it's important for modern companies to recognize technology's potential and accept when the time for change has come.

**-Jasmine Chillar**  
CSE, First year

## EGO : Catch me if you can

The Sanskrit word vinayam means "humility" or "modesty". When we are humble, we are open to learning because we understand how much we don't know. It follows that the biggest obstacle to learning is being a know-it-all. The false self confidence is rooted in the ego.

The Bhagwad Gita draws a distinction between the ego and the false ego. The real ego is our very essence - the consciousness that makes us aware and awake to reality. The false ego is an identity crafted to preserve our sense of being the most significant, the most important, the one who knows everything. When you trust the false ego to protect you, it's like wearing armor that you thought was made of steel but it is actually made of paper.

EGO is a mask : An unchecked ego harms us. In our eagerness to present ourselves as the greatest and smartest, we hide our true natures.

Most importantly, "EGO is an obstacle to growth" and it also isolates us.

**-Harsh Kukreja**  
AI, First Year



## Life's like a flute!



It may have many holes and emptiness but if one works on it carefully it can play magical melodies. It is one of the many ways to connect to the almighty and feel empowered.

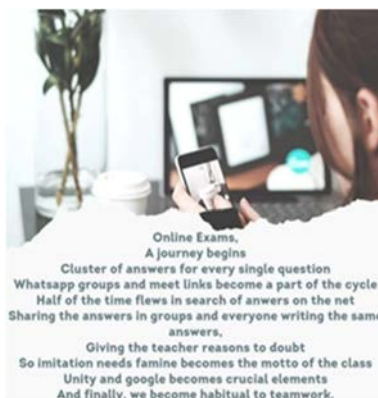
KRISHNA JAIN, a student of Computer Science and Engineering, PCE has an amazing Flute player in the whole Poornima Group. He is a self-made artist who's put his heart and soul into learning and playing the flute. Every year Poornima endures gems like Krishna and many more that encourage others that nothing is impossible to achieve if one has the dedication and true intentions to achieve it.

## स्वाब

एक स्वाब के लिए नींदों से लड़ता रहा मैं,  
मेहनत का हथियार लेकर किस्मत से जघड़ता रहा मैं,  
मैं एक पंछी हूँ जिसने उड़ना अभी सीखा कहा है,  
मेरे स्वाबों में वो आसमान है, जहां से दिखता जहान है,  
जितनी बार भी उड़ता हूँ, हर बार गिर जाता हूँ,  
पर जिस स्वाब ने निंदे उड़ाई है,  
उसके लिए संभल जाता हूँ  
100 में से कोई एक है जो हौसला बढ़ाता है,  
बाकी लोगो का एक ताना फिर नीचे खींच लाता है,  
फिर वो आसमान जेहन में आता है,  
उसे देखता हूँ तो फिर हौसले का एक पर आ जाता है,  
सोचता हूँ अब सिर्फ नभ की सुनूं,  
सिर्फ स्वाब की सुनूं,  
लोगो के लिए बहरा सा हो जाऊं,  
फिर उड़ान भरू एक खूबसूरत सवेरा सा हो जाऊं,  
यही तो जिंदगी है,  
मैं चलूँ, गिरूँ, फिर उठ जाऊं,  
जितनी बार भी ठोकर लगे संभल जाऊं,  
जेहन में आसमान का स्वाब जो रखा है,  
सोचता हूँ स्वाब के भी पंख लगाऊं,  
और अंतरिक्ष तक ले जाऊं,  
सोचता हूँ अब दुनिया की ना सुनूं  
स्वाब का पीछा करूँ,  
और इस दुनिया को स्वाब की ताकत दिखलाऊं,  
एक बार आसमान की सैर कर आऊँ...  
एक बार आसमान की सैर कर आऊँ३

-ASHUTOSH UPADHYAY

II Year, CS







## बचपन

रोता था तो सवाल नहीं,  
 सोता था तो ख्याल नहीं,  
 अब रोता हूँ तो सवाल खड़े होते हैं,  
 अब सोता हूँ तो ख्याल बड़े होते हैं,  
 वक्त के साथ न जाने कहा खो गये,  
 हम बच्चे, बच्चे थे तो अच्छा थे।  
 जिन्दगी का भार नहीं,  
 वक्त की परवाह नहीं,  
 अब जिन्दगी पर भार पड़े,  
 वक्त के है मार बड़े,  
 वक्त के साथ न जाने कहा खो गये,  
 हम बच्चे, बच्चे थे तो अच्छा थे।

AMAN MUDGAL  
 III Year, ECE

## बदलाव जिंदगी का

जिंदगी के सफर में सब बदल गए,  
 बस, एक मां बाप थे जो वही रह गए !!  
 हर पड़ाव पे बदला रूप जिंदगी ने,  
 चेहरे वही रहे, पर शक्स बदल गए!!  
 बचपन ने बदला रूप जवानी का,  
 छाया एक नया मंजर हर तरफ रवानी का,  
 खुले हाथों में आई थीं खुशियां हजार,  
 सब कुछ फिसला और हाथ फिर खुले रहे गए!!  
 चेहरे वही रहे पर शक्स बदल गए...  
 जवानी ढली और बुढ़ापा आ गया,  
 चेहरे का नूर फिर लकीरों में छा गया,  
 उड़ती हवाओं के संग बहने लगी जिंदगी,  
 पर वो रास्ते बहुत पीछे रहे गए!!  
 चेहरे वही रहे पर शक्स बदल गए३

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HARSH JAIN, I Year, CS



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## PCE IN NEWS

### 1 लाख रुपए मासिक स्टूडेंट्स पर इंटरनेशनल आंचल का फिलपकार्ट रनवे प्रोग्राम में चयन

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जयपुर, पूर्णिमा कॉलेज ऑफ इंजीनियरिंग की बीटेक स्टूडेंट आंचल अस्तानी का ऑनलाइन शॉपिंग कंपनी- फिलपकार्ट के रनवे प्रोग्राम में चयन हुआ है। इसके तहत उन्हें एक लाख रुपए मासिक के स्टूडेंट्स पर इंटरनेशनल करने का अवसर मिला है। छह माह की यह सॉफ्टवेयर डवलपमेंट इंटरनेशनल जनवरी मध्य में शुरू हो चुकी है, जो 30 जून तक चलेगी, इसमें उनकी परफॉर्मंस देखकर कंपनी आगे काम करने का अवसर देगी। फिलपकार्ट की ओर से महिलाओं के लिए पहली बार रनवे प्रोग्राम शुरू किया गया है, जिसके तहत थर्ड ईयर इंटरनेशनल के लिए आंचल सहित देशभर से सिर्फ चार गर्ल्स का चयन किया गया है।



इसके अलावा कुछ गर्ल्स को सेकंड ईयर इंटरनेशनल के लिए भी चुना गया है। आंचल ने बताया कि गत वा कॉलेज की प्लेसमेंट सेल के जरिए इस इंटरनेशनल की सूचना मिली इसके लिए करीब 14 हजार स्टूडेंट्स ने रजिस्टर कर ऑनलाइन टेस्ट दिया, जिसमें 30 मिनट में 30 सवाल हल करने थे। इसके आधार पर 15 स्टूडेंट्स को इंटरव्यू के लिए शॉर्टलिस्ट किया गया।

### आरोहण में टेक्निकल व क्लब एक्टिविटीज का संयोजन

♦ जस मानक की परफॉर्मंस के साथ होगा फेस्ट का समापन

जयपुर (कांस.)। पूर्णिमा ग्रुप ऑफ कॉलेज के एनुअल फेस्ट 'आरोहण-पूर्णिमा 2022' के दूसरे दिन शुक्रवार को क्लब



व टेक्निकल एक्टिविटीज का संयोजन देखने को मिला। इनकी प्रतिभागी टीमों ने जीत के लिए हरसंभव प्रयास किया। सिंगर जस मानक की लाइव परफॉर्मंस के साथ शनिवार को फेस्ट का समापन होगा। रोबो रेस एनएफएस 2.0 के साथ दूसरे दिन



की गतिविधियों की शुरुआत हुई। इसमें स्टूडेंट्स के बनाए रोबोट के बीच कॉम्पिटिशन कराया गया। इसी प्रकार रोबोटिक सॉकर गेम में भी वर्ल्ड 2.0 भी आयोजित किया गया।

टीम हायाग्रीवा रेसिंग की ओर से आयोजित गोकार्ट रेस में स्टूडेंट्स की टेक्निकल स्किल देखने को मिली। ईडीएम नाइट में स्टूडेंट्स ने स्टेज पर डांस व सिंगिंग की प्रतिभा को बखूबी

दशाया। बैंड व ग्रुप सिंगिंग की प्रस्तुतियां भी हुई। स्पेडर्स एक्टिविटीज में 100, 200 व 300 मीटर रेस, रिले रेस, शॉट पुट, लॉन्ग जम्प, टग ऑफ वार, फ्री स्टाइल फुटबॉल व वेत लिफ्टिंग के मुकाबले हुए। पूर्णिमा ग्रुप के जोशीले ड्रामा क्लब द्वारा प्रस्तुत नुक्कड़ नाटक में एलजीवीटीक्यू कम्प्यूनिटी द्वारा सामना की जा रही चुनौतियों को प्रभावी तरीके से पेश किया गया।

### इंटर स्टेट स्टूडेंट एक्सचेंज प्रोग्राम आयोजित असम के स्टूडेंट्स ने जानी राजस्थान की संस्कृति



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जयपुर, पूर्णिमा कॉलेज ऑफ इंजीनियरिंग की ओर से स्कॉलर्स इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड मैनेजमेंट (एसआईटीएम), गुवाहाटी के साथ मिलकर पांच दिवसीय इंटर स्टेट स्टूडेंट एक्सचेंज प्रोग्राम आयोजित किया गया। इसके तहत एसआईटीएम के 14 स्टूडेंट्स व चार फैकल्टी मेंबर्स को जयपुर में राजस्थान की स्थानीय भाषा,

संस्कृति, पर्यटन, संगीत व स्थानीय खेलों से अवगत कराया गया। पूर्णिमा कॉलेज के डॉ. राज कुमार सतनकार, बलवान शेषमा और अपूर्वा बंसल के संयोजन में मेहमान स्टूडेंट्स को जयपुर के पर्यटन स्थलों की विजिट कराई गई। समापन में दोनों कॉलेजों के स्टूडेंट्स ने अपने-अपने राज्यों के प्रसिद्ध नृत्यों की रंगारंग प्रस्तुतियां दीं। कार्यक्रम के अतिथि सहकारिता विभाग के जॉइंट रजिस्ट्रार बिजेन्द्र कुमार शर्मा थे।

### इंटरनेशनल कॉम्पिटिशन में विजेता रहा सीबीडब्ल्यूटी

ब्यूरो/नवज्योति, जयपुर। पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के सिविल इंजीनियरिंग के अंतिम वर्ष के स्टूडेंट्स ने इनोवेटिव विंड टरबाइन डिजाइन किया है।



इनके इस प्रोजेक्ट ने इंटरनेशनल इनोवेशन कॉम्पिटिशन टेक्नोलॉजी इन्फ्यूजन ग्रांट चैलेंज में एयूडी 200 पुरस्कार जीता है। यह चैलेंज ला ट्रोब्ज सेंटर ऑफ टेक्नोलॉजी इन्फ्यूजन और ला ट्रोब यूनिवर्सिटी मेलबर्न, ऑस्ट्रेलिया द्वारा कराया गया था। स्टूडेंट हिमांशु राजपूत और

अनिल गुप्ता ने डिपार्टमेंट के प्रोफेसर डॉ. मनोज गढ़ानी के मार्गदर्शन में यह कर्वड ब्लेड विंड टरबाइन (सीबीडब्ल्यूटी) डवलप किया है। उन्होंने बताया कि यह पारंपरिक पवन टरबाइन की तुलना में 18 से 19 प्रतिशत अधिक कुशल साबित हुआ है।





## स्टूडेंट्स ने जाने एविएशन में रोजगार के अवसर

**जयपुर।** पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के एविएशन डिपार्टमेंट की ओर से एयरपोर्ट मैनेजमेंट और एयरलाइन बिजनेस के 2013-17 बीच के एयरपोर्ट मैनेजमेंट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की। एविएशन में एयरपोर्ट के विकास एविएशन एंटीनियुटिवेशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की। एविएशन में एयरपोर्ट के विकास एविएशन एंटीनियुटिवेशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की।

## आरटीयू के टॉप श्री में पूर्णिमा ग्रुप के दो कॉलेज

**जयपुर।** आरटीयू की ओर से इसके संबद्ध इंजीनियरिंग कॉलेजों को दी गई क्वालिटी इंडेक्स वैल्यू में पूर्णिमा ग्रुप के दो कॉलेज टॉप-3 में रहे हैं। इसमें 901 क्यूआईवी के साथ पूर्णिमा कॉलेज ऑफ इंजीनियरिंग राज्य के कॉलेजों में दूसरे स्थान पर और पूर्णिमा इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी 886 क्यूआईवी के साथ तृतीय स्थान पर रहा है। पूर्णिमा ग्रुप के

**मैकेनिकल लेबल पर कोर्स डिजाइन**

ऑफ़: मशीनरी युनिटों के एंटीनियुटिवेशन एविएशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की। एविएशन में एयरपोर्ट के विकास एविएशन एंटीनियुटिवेशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की।

**एमएनसीज का एक्सपोजर**

एविएशन एंटीनियुटिवेशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की। एविएशन में एयरपोर्ट के विकास एविएशन एंटीनियुटिवेशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की।

**अकोर्डेबल फीस, बेहतर क्वालिटी**

एविएशन एंटीनियुटिवेशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की। एविएशन में एयरपोर्ट के विकास एविएशन एंटीनियुटिवेशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की।

## ब्लॉकचेन तकनीक के प्रयोगों की मिली जानकारी

**जयपुर।** पत्रिका प्लस, पूर्णिमा कॉलेज ऑफ इंजीनियरिंग एंड टेक्नोलॉजी की ओर से ब्लॉकचेन एंड डेटा साइंस एविएशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की। एविएशन में एयरपोर्ट के विकास एविएशन एंटीनियुटिवेशन एविएशन का एयरपोर्ट का सीनरिओ इन एविएशन-द ग्लोब ऑफ चलाएंगे मशीन विषय पर आयोजित की।

**रीजनल लैंग्वेज में बीटेक कराने की मिली अनुमति हिन्दी में बीटेक कर सकेंगे छात्र**  
पत्रिका PLUS रिपोर्टर

## आधार में प्रदर्शित किए गए इनोवेटिव प्रोजेक्ट

**जयपुर।** पूर्णिमा कॉलेज ऑफ इंजीनियरिंग में मंगलवार को प्रोजेक्ट एंटीनियुटिवेशन व कॉम्पिटिशन 'आधार' का दूसरा संस्करण हुआ। अशरे राजस्थान चैप्टर, आईएसटीआई और जिरकोन क्लब के सहयोग से हुई इस एंटीनियुटिवेशन में प्रथम वर्ष के स्टूडेंट्स के बनाए हाइड्रोजन और सॉफ्टवेयर श्रेणी के तहत करीब 160 इनोवेटिव प्रोजेक्ट डिस्प्ले किए गए। मुख्य अतिथि परमाणु ऊर्जा विभाग के एटोमिक मिनेरल्स डायरेक्टर फॉर एक्सप्लोरेशन एंड रिसर्च के डॉ. बलवीर सिंह बिष्ट ने कॉम्पिटिशन का उद्घाटन किया। इस अवसर पर राहुल सिंघी, डॉ. महेश बुदिले, पंकज धेमला और डॉ. रेखा नायर भी उपस्थित थे। प्रदर्शित किए गए प्रोजेक्ट्स में रोबो वॉर, रोबो सॉफ्ट, सॉफ्टवेयर, मशीनोमेनिक्स, लाइन फॉलोअर, स्मूड गन, रोबो रेस प्रमुख थे। कार्यक्रम के अंत में विजेताओं को 25 हजार रुपये का नकद पुरस्कार दिया गया।



## पूर्णमा कॉलेज में एआई व बिग डाटा का सेंटर ऑफ एक्सीलेंस

मान्यता प्राप्त करने वाला राजस्थान का एकमात्र कॉलेज

**जयपुर (का.सं.)।** राजस्थान टेक्निकल यूनिवर्सिटी (आरटीयू) की ओर से पूर्णिमा कॉलेज ऑफ इंजीनियरिंग को ऑटोमोबाइल इंडस्ट्रीज एंड बिग डाटा के लिए सेंटर ऑफ एक्सीलेंस के तौर पर मान्यता दी गई है। पूर्णिमा कॉलेज ऑफ इंजीनियरिंग राजस्थान का एकमात्र कॉलेज है, जिसे ऑटोमोबाइल इंडस्ट्रीज एंड बिग डाटा जैसी लेटेस्ट टेक्नोलॉजी के लिए सेंटर ऑफ एक्सीलेंस की मान्यता प्रदान की गई है। कॉलेज के डायरेक्टर डॉ. महेश बुदिले ने बताया कि माइक्रोसॉफ्ट, सेलेब्रिटी टेक्नोलॉजीज और एसपीयू यूनिवर्सिटी अलायंस के सहयोग से यह सेंटर तैयार किया गया है। वहां देशभर के स्टूडेंट्स एआई एंड डाटा साइंस, सॉफ्टवेयर (एआई) और सीएस (साइबर सिक्योरिटी) में बीटेक कोर्स कर सकेंगे। इसके लिए कई अत्याधुनिक सॉफ्टवेयर, रिसोर्सेज व तकनीकों को मदद से हाईटेक लैब में स्टूडेंट्स को कई वर्चुअल मशीनों, अशरे टूल, डीप लॉगिंग टूल, वेबवेब, एसएमएस सर्वर आदि पर काम करने का अवसर मिलेगा। पूर्णिमा ग्रुप के एडमिरल डायरेक्टर डॉ. नीरज जैन ने बताया कि ऑटोमोबाइल इंडस्ट्रीज और बिग डाटा के विशेषज्ञों की वर्तमान में काफी डिमांड है और रोजगार की असीम संभावनाएं हैं।

## कॉम्पिटिशन में सीबीडब्ल्यूटी विजेता

**जयपुर।** पत्रिका प्लस, पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के सिविल इंजीनियरिंग के अंतिम वर्ष के स्टूडेंट्स ने इनोवेटिव विंड टरबाइन डिजाइन किया है। इनके इस प्रोजेक्ट ने इंटरनेशनल इनोवेटिव कॉम्पिटिशन 'टेक्नोलॉजी इम्प्यूजन ग्रांट चैलेंज' में एप्रैल 200 पुरस्कार जीता है। यह चैलेंज लॉ ट्रांजि सेंटर ऑफ टेक्नोलॉजी इम्प्यूजन और ला ट्रांजि यूनिवर्सिटी मेतलर्न, ऑस्ट्रेलिया की ओर से आयोजित किया गया था। स्टूडेंट्स हिमांशु राजपूत और अनिल गुप्ता ने प्रो. मनोज गहानी के मार्गदर्शन में यह कार्यवाही विंड टरबाइन (सीबीडब्ल्यूटी) इवेल किया है। से तैयार करने के बाद सीबीडब्ल्यूटी का सैद्धांतिक व प्रयोगात्मक दोनों तरह से परीक्षण किया गया। यह प्रयोगात्मक परीक्षण की तुलना में 19 प्रतिशत अधिक कुशल साबित हुआ।



## एनुअल फंक्शन 'कलानिधि' में टैलेण्टेड स्टूडेंट्स का सम्मान

**जयपुर (का.सं.)।** मंच पर पेरेंट्स की मौजूदगी में गैलरी व सिल्वर मेडल प्राप्त किया जाना स्टूडेंट्स के लिए यादगार फल बन गया। रश्मि खर को यह अवसर था पूर्णिमा ग्रुप के एनुअल डे व प्राइज डिस्टीनक्शन सेरेमनी 'कलानिधि 2020-21' का। समारोह में एकडमिक्स में उल्लेखनीय प्रदर्शन करने वाले प्रतिभावांन व टॉपर स्टूडेंट्स को गैलरी, सिल्वर मेडल व अवॉर्ड प्रदान कर सम्मानित किया गया। पूर्णिमा ग्रुप के डायरेक्टर जनरल एमकेएम शाह कार्यक्रम के मुख्य अतिथि थे। ग्रुप के डायरेक्टर राहुल सिंघी ने इनका स्वागत किया। पीजीआई के भव्य जैन व मदन मोहन मीणा तथा पीआईटी के रंजीत ठाकुर, तान्या वाणीय एवं शशुन बोधावतका को गैलरी मेडल, 5100 रुपए कैश प्राइज व सर्टिफिकेट प्रदान किया गया। तान्या वाणीय को बसंत कंवर सेट मेमोरियल से भी सम्मानित किया गया। इसी प्रकार पीसीई के स्टूडेंट राहुल मीणा, दिव्या रेस्तोनी, बृजेश रंजन शर्मा, पूर्वी गोखल व लवित गर्ग को गैलरी मेडल, 5100 रुपए कैश प्राइज व सर्टिफिकेट प्रदान किया गया। पूर्वी गोखल को बसंत कंवर सेट मेमोरियल से भी नवाजा गया। इनके अलावा शांति देवी मेमोरियल स्कॉलरशिप के तौर पर आंचल असनानी को सैमसंग गैलेक्सी टीब तथा अन्य चयनित स्टूडेंट्स को सिल्वर मेडल दिए गए। इस खास मौके पर स्टूडेंट्स के पेरेंट्स को भी मंच पर आमंत्रित किया गया। समारोह में पीसीई व पीआईटी की स्टूडेंट काउंसिल की बैठक सेरेमनी भी आयोजित की गई।



## ऑटोमोबाइल इंडस्ट्री के ट्रेड्स की दी जानकारी

**जयपुर (का.सं.)।** पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के मैकेनिकल इंजीनियरिंग डिपार्टमेंट की ओर से 'इमर्जिंग ट्रेड्स इन ऑटोमोबाइल (2 डब्ल्यू)' विषय पर इंडस्ट्री एक्सपर्ट ऑनलाइन लैब्स आयोजित किया गया। इसमें इंडस्ट्री के विशेषज्ञों ने प्रतिभागियों को मैकेनिकल इंजीनियरिंग, ऑटोमोबाइल व मैनुफैक्चरिंग क्षेत्रों की नवीनतम जानकारी से अवगत कराया। इसके तहत हीरो मोटोकॉर्प लिमिटेड (एचएमसीएल), नई दिल्ली के डीजीएम (एचआर-लॉगिंग एंड डेवलपमेंट) सुधांशु शेखर पाढ़ी ने इंडिया ऑटोमोटिव मिशन प्लान (एमपी) 2026 के बारे में बताया, जो ऑटोमोबाइल क्षेत्रों में लाखों मैकेनिकल इंजीनियरों की नौकरियों को दशाता है। उन्होंने 2019 से 2026 तक ऑटोमोटिव क्षेत्रों के प्रमुख रुझानों पर चर्चा की और ऑटोमोबाइल इंडस्ट्री में कोबोट और रोबोट के उपयोग के बारे में बताया। उन्होंने कहा कि भारत ने विश्व में दुपहिया वाहन निर्माण के क्षेत्र में जबरदस्त प्रगति की है। हालांकि अब अपने पारंपरिक ऑटो क्षेत्रों के निर्माण को ऑटोमोबाइल के स्मार्ट निर्माण में परिवर्तित करने का समय आ गया है। सुधांशु शेखर पाढ़ी ने जोर देते हुए कहा कि इंडस्ट्री 4.0 (आई-4) का शीर्ष अगनाता वर्तमान समय की आवश्यकता है। इस दौरान मेजबान पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के प्रिंसिपल व डायरेक्टर प्रो. (डॉ.) महेश बुदिले, वाइस प्रिंसिपल पंकज डेमला, मैकेनिकल के एचओडी डॉ. एन. एल. जैन और इंजीनियर अश्वनी कपूर भी उपस्थित थे।





## MESSAGE FROM THE EDITORIAL BOARD

*"You don't have to be great to start, but you have to start to be great." –Zig Ziglar*

The editorial board is pleased to publish the latest issue of the annual Magazine "Poornima Winners". The contributions and dedication of faculty, students, PCE non-faculty staff, and the readers have continued to help the Magazine achieve incremental achievements towards new milestones. This magazine gives the perfect platform to highlight the literary and artistic segments of the PCE family.

We appreciate the encouragement, support, critical feedback, and generosity that have helped sustain this knowledge-sharing platform.

The theme of this year's magazine is science, technology, and innovation. Students and faculty have contributed a lot to making this year's magazine a huge success.

This year we are proud to present a cluster full of scientific innovation in the form of various events, research papers, and seminars organized under various departments and the student's council.

We hope that reading this magazine will encourage and have an impact on you. With this said We would like to thank students, teaching as well as non-teaching staff for their kind & continuous support in the progress of this Institution.

### Editorial Board



**Aman Mudgal**  
II Year, EC



**J.K. Sharma**  
I Year, CS



**Divyansh Johari, I-Year, CS (AI) • Charul Tongaria, I-Year, CSE • Harsh kukreja, I-Year, CS (AI)**





## ॥ कॉलेज गान ॥

जय जय जय पूर्णिमा संस्थान,  
 मरुभूमि अभिनन्दन करती, अरावली देता मुस्कान  
 उन्नत शिक्षा आदर्शों पर, आधारित जिसकी संरचना,  
 ज्ञानम् विना न किमपि साध्यम्, जिसका जीवन व्रत महान्  
 युवा शिल्पी रहते रचनारत, यन्त्रा कला कौशल अपनाकर,  
 विद्युत, सूचना, संगणक से, अंतरिक्ष तक भरें उडान  
 मानवता से करें प्रकाशित, ज्ञानदीप की लौ जलाकर,  
 तारागण सम सदा चमकते, जनमानस का करे कल्याण  
 करें वन्दना, सरस्वती माँ की, पूर्ण हो मन की अभिलाषा,  
 सृजन हित दृढ़ नित परिश्रम, ध्येय राष्ट्र का नव निर्माण

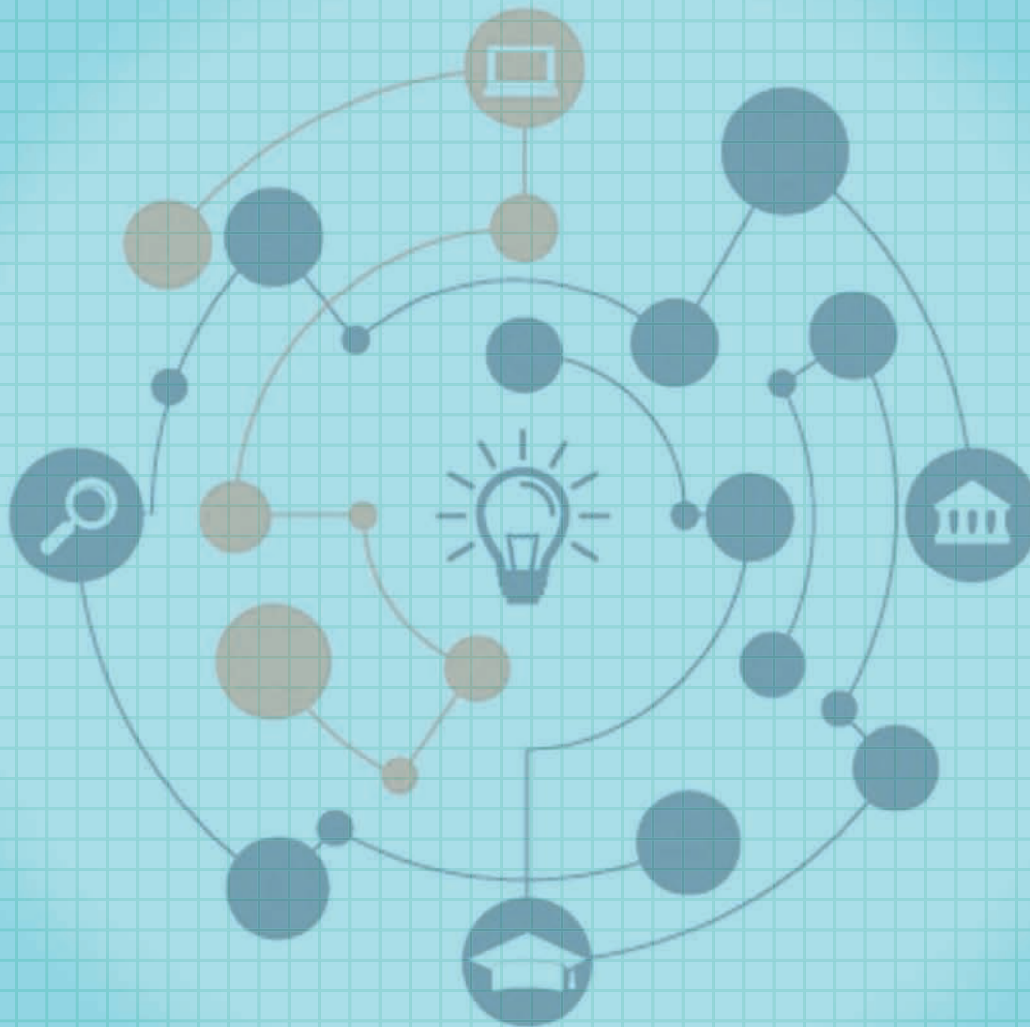
॥1॥ जय जय .....

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॥3॥ जय जय .....

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