

POORNIMA WINNERS

The Annual Magazine of Poornima College of Engineering, Jaipur



QUANTUM
COMPUTING



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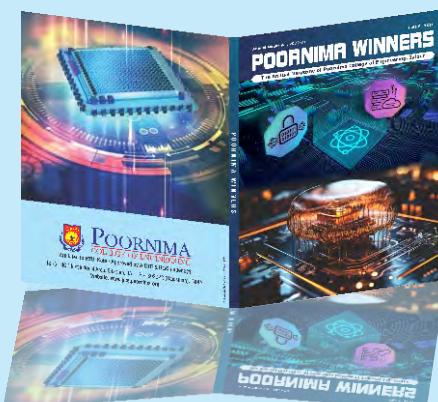
Special Thanks :

Mr. Ritesh Dixit

(Graphic Designer, Poornima Group)

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Editor's Note

"When you give joy to other people, you get more joy in return. You should give a good thought to happiness that you can give out."

- Eleanor Roosevelt



It is with great pleasure and enthusiasm that I present to you the latest edition of our college magazine. This publication stands as a testament to the creativity, intellect, and hard work of our talented students and dedicated faculty.

In these pages, you will find a diverse array of articles, stories, artworks, and reflections that capture the essence of our college community. We have strived to create a platform that not only entertains and informs but also sparks meaningful conversations and ignites inspiration.

As the world around us continues to evolve, so too does our magazine. We have sought to capture the spirit of our times, addressing both local and global issues, and providing a space for voices that deserve to be heard. Our contributors have poured their hearts and minds into their creations, and I am immensely proud to showcase their talents.

I want to extend my gratitude to everyone who played a role in bringing this magazine to life – the writers, artists, photographers, editors, and the entire team who worked tirelessly behind the scenes. Your dedication and commitment have made this publication possible, and it is an honor to collaborate with such a passionate group of individuals.

As you immerse yourself in the pages ahead, I encourage you to embrace the perspectives shared within. Let these words and images challenge your thinking, kindle your curiosity, and perhaps even move you to action. After all, a magazine is not merely a collection of ink and paper; it is a vessel for ideas, a portal to new worlds of thought.

Thank you for being a part of this journey. Together, we continue to shape and enrich the tapestry of our college community. I invite you to enjoy the pages before you, and I eagerly anticipate the conversations and connections that will arise from the seeds we have planted within these pages.

A handwritten signature in black ink, appearing to read "Sarveen".

Dr. Sarveen Kaur Sachdeva
(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

"The engineer has been, and is, a maker of history."

- James Kip Finch

I am happy to learn that Poornima College of Engineering (PCE) is bringing out 22nd issue of its Annual Magazine 'WINNERS'. The PCE right since its inception in the year 2000, has always striven for the development of its students for utilizing the multi-skilled knowledge in a creative and innovative manner. PCE alumnus are working across the world, not only in technical positions but leadership and government sector top administrative positions in states and central services.

India is emerging as super power of knowledge and innovation through its youth empowerment policies and schemes, revolutionary NEP 2020, Make-In-India concept and Digital and Smart India Technologies. Technologies are changing very fast. The applications of AI like Chat GPT are making revolutionary changes in Artificial Intelligence and Machine Learning domain. At the same time cyber security is emerging as a big challenge for every country for its safety and security. The developments in cyber world are a great challenge as well as opportunity for our young budding engineers. More and more the engineer of the future will be responsible for creating new ideas and solutions and seeing them through. This is an era of Innovation for the future prosperity of both nations and individuals.

Education system is also changing and becoming flexible to facilitate young minds to choose their own track for becoming a successful person. Self-learning through digital media is becoming popular as there is huge data available online. The theme of this issue of 'The Winners' as Quantum Computing focuses on future computing technology which will revolutionize computing power and speed. Twenty first century is the century of technology. Countries having edge in technology will score over. 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 to 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 strive to be on a continuous learning mode to acquire new knowledge, new skills and new competence in this ever changing and competitive world.

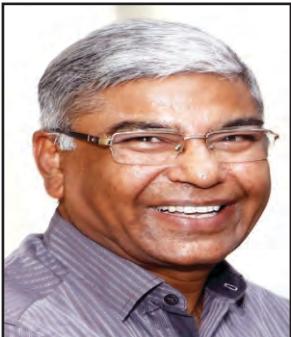
I am sure that the magazine makes an interesting matter, encompassing and reflecting the vibrant campus life and would prove to be a good platform to showcase achievements of faculty and students. I congratulate all contributors and wish excellent success to the coming issue of the magazine.

Dr. S. M. Seth

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



MESSAGE



Shashikant Singhi

Chairman
Poornima Group



Renu Singhi

Advisor, Poornima Alumni Societies
Poornima Group



Rahul Singhi

Director
Poornima Group

It gives us immense pleasure to extend our warmest wishes and greetings to all of you as we present the latest edition of Poornima Winners, our cherished annual magazine. This year, we delve into a theme that resonates deeply with our collective consciousness-sustainability. With a touch of innovation and the limitless potential of OpenAI, we explore the concept of "Sustainability of One world, One family, One Future."

In today's fast-paced world, the need for sustainable practices has become more pressing than ever before. As a responsible educational institution, we understand the importance of addressing the challenges posed by climate change, resource depletion, and environmental degradation. We firmly believe that education and technology can play a vital role in creating a sustainable future for our planet.

OpenAI, with its remarkable advancements in artificial intelligence, offers us an opportunity to unlock new possibilities and find innovative solutions to global challenges. Through the power of OpenAI, we can explore ways to promote sustainable development, foster eco-friendly practices, and create a harmonious coexistence between humanity and the environment.

In this edition of Poornima Winners, we have curated a collection of insightful articles, thought-provoking essays, and inspiring success stories that showcase the remarkable work being done in the realm of sustainability. From sustainable engineering solutions and renewable energy innovations to eco-conscious entrepreneurship and conservation efforts, we present a tapestry of ideas that can shape our shared future.

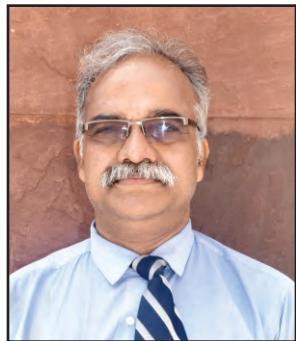
Furthermore, we proudly feature the accomplishments of our students, faculty, and alumni who have embraced the ethos of sustainability in their pursuits. Their stories exemplify how the Poornima Institute of Engineering & Technology has been instrumental in nurturing young minds who are passionate about making a positive impact on the world.

We would like to express our gratitude to the dedicated team behind Poornima Panorama, including the editorial board, writers, designers, and photographers, for their relentless efforts in bringing this magazine to life. Your commitment and creativity have beautifully encapsulated our theme and the spirit of sustainable living.

To our students, parents, teachers, and alumni, we urge you to explore the pages of Poornima Winners with an open mind and an eager heart. Let the ideas presented here inspire you to take action, think innovatively, and become agents of change in creating a sustainable future for our One world, One family, and One Future.

We extend our heartfelt gratitude to all the readers for their continued support and belief in Poornima. Together, we can make a difference and forge a path towards a sustainable tomorrow.

Wishing you an enjoyable and enlightening reading experience!



Message

Dear Students and Faculty members,

It gives me immense pleasure and pride to release 22nd edition of the college magazine “Poornima Winners” on the theme Quantum Computing, a testament to the efforts taken by faculty and students for continuous growth of the Institution and achieving excellence.

Quantum Computers and Quantum Computing are the most emerging and demanding technologies to expedite the execution of complex AI algorithms. It is very much essential to keep pace with the advancing technologies and future upcoming technologies so as to produce industry ready graduates.

My appeal to all the students and the faculty would be to explore Quantum Computing and other similar thirst areas, conduct trainings, workshops, guide projects, do literature review, publish papers in Scopus database and apply for the patents in the forthcoming year.

This year's magazine is a vibrant tapestry of stories, experiences, and ideas that capture the essence of the college journey. It encapsulates the hard work of our students, the dedication of our faculty, and the continuous pursuit of excellence that has become synonymous with our institution.

This magazine not only celebrates our achievements but also underscores our commitment to growth, learning, and the relentless pursuit of knowledge.

I congratulate to the editorial team, whose tireless efforts have culminated in this impressive publication. Their dedication to capturing the spirit of our college is evident on every page, and I commend them for their unwavering commitment.

To our students, I encourage you to embrace the power of your voices and the impact of your ideas. Let this magazine inspire you to continue pushing boundaries, exploring new horizons, and shaping the future with your vision and passion.

To our faculty, your guidance and mentorship are the bedrock upon which our students' achievements stand. Your commitment to nurturing not only academic excellence but also character and values is truly commendable.

Thank you for being a part of this wonderful journey, and I am excited to see the continued growth and success that our college community will undoubtedly achieve.

My best wishes to you all for your own prosperity and the institutional growth.

Dr. Mahesh M. Bundele
Director & Principal
Poornima College of Engineering



Message

Dear Esteemed Students and Colleagues,

It is my privilege to extend my warmest greetings to you all through the pages of this year's college magazine on the theme 'Quantum Computing'. This publication stands as a testament to our collective endeavours, a showcase of the remarkable talents and accomplishments that distinguish our institution.

As we peruse the contents of this magazine, we are presented with a panorama of ideas, stories, and achievements that exemplify the diverse and dynamic spirit of our college community. The dedication and creativity of our students, coupled with the relentless pursuit of knowledge by our faculty, have given rise to a rich tapestry of experiences that deserve to be celebrated.

This magazine is not merely a collection of articles and images; it is a chronicle of growth, an embodiment of the transformative journey we all undertake within these walls. It captures the essence of our academic pursuits, our cultural expressions, and our commitment to making a positive impact on society.

To the editorial team and contributors, I extend my heartfelt appreciation for your unwavering dedication. Your passion and hard work have materialized in these pages, fostering a sense of unity and shared purpose among us all. Your dedication to preserving the spirit of our institution is truly commendable.

To our dear students, as you leaf through these pages, I encourage you to recognize the immense potential you possess. Your ideas, dreams, and aspirations have the power to shape the world in profound ways. Let this magazine be a source of inspiration, driving you to think critically, express yourselves creatively, and embrace the challenges that lie ahead with confidence. To our esteemed colleagues in the faculty, your guidance serves as a guiding light for our students. Your commitment to fostering not only academic excellence but also ethical values is the cornerstone of our institution's success. Your passion for imparting knowledge and moulding future leaders is truly commendable. In a rapidly evolving world, it is crucial to reflect on our journey, to celebrate our achievements, and to acknowledge the lessons learned along the way. This magazine encapsulates not only our accomplishments but also our growth as individuals and as a community.

As we navigate the path ahead, let us remember that every contribution, every thought, and every endeavour matters. Let us continue to strive for excellence, embrace innovation, and nurture the bonds that make our college a vibrant and nurturing environment for all.

Thank you for being a part of this remarkable journey. I am confident that the future holds even greater accomplishments and opportunities for each one of us.

Dr. Pankaj Dhemla

Vice Principal

Poornima College of Engineering



Poornima College of Engineering, Jaipur



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 benchmark and reached at new pinnacles in Engineering Education with dedication, perseverance and devotion. With 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 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 for successive last six years
- Rated Gold 3rd time successively in Survey of Industry linked Technical Institute
- In Times Engineering Survey ranked 108th in All India Engineering Institute Rankings 2021
- 1st Institute in Rajasthan to launch B. Tech. (Computer Engineering) in Regional Language under NEP 2020
- First Institute in Rajasthan which has Centre of Excellence recognized by the RTU, Kota in Artificial Intelligence and Big Data
- RTU TEQIP III funded activities worth more than 50 lakh Rupees in last three years
- AICTE funded MODROB, STTP and Conferences worth more than 50 lakh Rupees during last three years
- DST and SERB sponsored student projects and faculty research projects
- Organizing IEEE, ACM, Elsevier and Springer Inter-national Conferences every year
- More than 38 Patents have been published and 6 patents have been granted in last three years
- Highest placement numbers and the package amongst RTU affiliated colleges
- More than 300 research papers are published by students and faculty members in last two years in national, 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 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 3 STAR Rating Innovation Center by Ministry of Education (MoE) in year 2022-23



- Awarded as Advance Partner Institute by Infosys for successfully running campus connect programme & 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 world's top Universities and companies which includes the name Google, IBM, Autodesk, AWS, University of Michigan, Duke University, University of Manchester, and University of Washington etc.
- Industry collaborated 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 quality enhancement on 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 Engineers



Confederation of
Indian Industry



Young Indians



Indian Green Building Council



AIESEC



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Microsoft

Rated Gold



&



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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 2022-23

S.No.	Branch	Intake
1.	Computer Engineering	180
2.	Computer Engineering (Regional Courses)	60
3.	Computer Sci. & Engg. (Artificial Intelligence)	60
4.	Computer Sci. & Engg. (Cyber Security)	60
5.	Artificial Intelligence & Data Science	60
6.	Civil Engineering	60
7.	Electrical Engineering	30
8.	Electronics & Communication 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 a 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 enables students to cultivate a passion 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

VII SEM

Session: 2022-23

B. TECH. IV Year



MUSKAN VERMA
(CIVIL) 100%



JAI PRAKASH
(CIVIL) 98.67%



ANUSHKA SHARMA
(CSE) 100%



AANCHAL ASNANI
(CSE) 98.67%



LAVESH GARG
(CSE) 98.33%



POORVI GOYAL
(CSE) 97%



JHALAK DASHORA
(ECE) 100%



AMISHA MATHUR
(ECE) 97%



SAMIKSHA AGARWAL
(ECE) 94%



ABHISHEK DUBEY
(EE) 96.17%



NIDHI SINGH BUNKER
(EE) 95%



VARTIKA JAIN
(IT) 96%



ADITI MAHESHWARI
(IT) 95.67%



HARSHITA LOHANI
(IT) 94.33%



AMARJEET KUMAR
(ME) 100%



RAVI SHARMA
(ME) 98%



RAJ SHEKHAR
(ME) 96%



ACADEMIC STARS

VIII SEM

Session: 2022-23

B. TECH. IV Year



JAI PRAKASH
(CIVIL) 100%



MUSKAN VERMA
(CIVIL) 100%



RAHUL POONIA
(CIVIL) 100%



RACHNA ACHRA
(CIVIL) 99.35%



SHIVANI MINA
(CIVIL) 96.13%



AANCHAL ASNANI
(CSE) 100%



ANUSHKA SHARMA
(CSE) 100%



JANVI KUNDNANI
(CSE) 100%



SIMRAN WADHWANI
(CSE) 100%



LAVESH GARG
(CSE) 99.35%



POORVI GOYAL
(CSE) 98.06%



JHALAK DASHORA
(ECE) 97.10%



AMISHA MATHUR
(ECE) 96.13%



KISHAN BARANWAL
(ECE) 96.13%



ABHISHEK DUBEY
(EE) 98.71%



ACHAL SINGHAL
(EE) 96.81%



ADITI MAHESHWARI
(IT) 98.06%



RONAK SHARMA
(IT) 98.06%



DHRUV JAIN
(IT) 97.10%



SOURABH BISHNOI
(IT) 96.13%



RACHIT JAIN
(ME) 98.06%



SHIVAM BHAT
(ME) 98.06%



RAVI SHARMA
(ME) 96.77%



AMARJEET KUMAR
(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 2022 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 Group. 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 2022 under different categories.





**GOLD MEDALIST WITH ₹ 5100/- CASH & CERTIFICATE
TOPPER : SESSION 2021-22**

Year	Name of Student	Branch	Marks Obtained
IV Year	RUCHIKA AGARWAL	CS	(20/20)
III YEAR	RAVI SHARMA	ME	(19.27/20)
II YEAR	SEJAL JAIN	CS	(19.66/20)
II YEAR	JAGRATI AGARWAL	ME	(19.66/20)
I YEAR	KHUSHI KHANDELWAL	B	(19.22/20)
I YEAR	SEJAL SHARMA	C	(19.22/20)
I YEAR	ROHAN KHANDELWAL	C	(18.90/20)

**SILVER MEDAL WITH RS. 2100/- CASH
& CERTIFICATE (SESSION 2021-22)**

Year	Name of Student	Branch	Marks Obtained
II Year	SACHINDRA SINGH OLA	CIV	(18.68/20)
II Year	ARYAN NAMA	CS	(19.40/20)
II Year	MUSKAN GOYAL	CS	(19.24/20)
II Year	TRIPTI SOMANI	CS	(19.50/20)
II Year	TRIPTI JAIN	EC	(17.62/20)
II Year	LALIT KUMAR YADAV	EE	(18.37/20)
II Year	MAYANK SINHAL	IT	(19.27/20)
II Year	GOURAV SINGH	ME	(17.83/20)
I Year	AAYUSH SHARMA	CS	(18.78/20)
I Year	LAKHAN GUPTA	CS	(18.78/20)
I Year	ROHIT KABRA	CS	(18.54/20)
I Year	SHIV GOYAL	IT	(18.83/20)
I Year	KARTIK BOHRA	CY	(18.15/20)
I Year	TANISHKA SINGH	CA	(18.12/20)
I Year	ANTIMA JAIN	AD	(18.78/20)
I Year	VANSHIKA JAIN	AD	(18.83/20)
I Year	VISHAL KHANDELWAL	CA	(18.83/20)
I Year	PRIYANSHU SHARMA	EE	(17.61/20)
I Year	MS SHIVANI VERMA	CIV	(17.46/20)

**BASANT KANWAR SETH MEMORIAL AWARD
WITH RS. 3500/- CASH (SESSION 2021-22)**

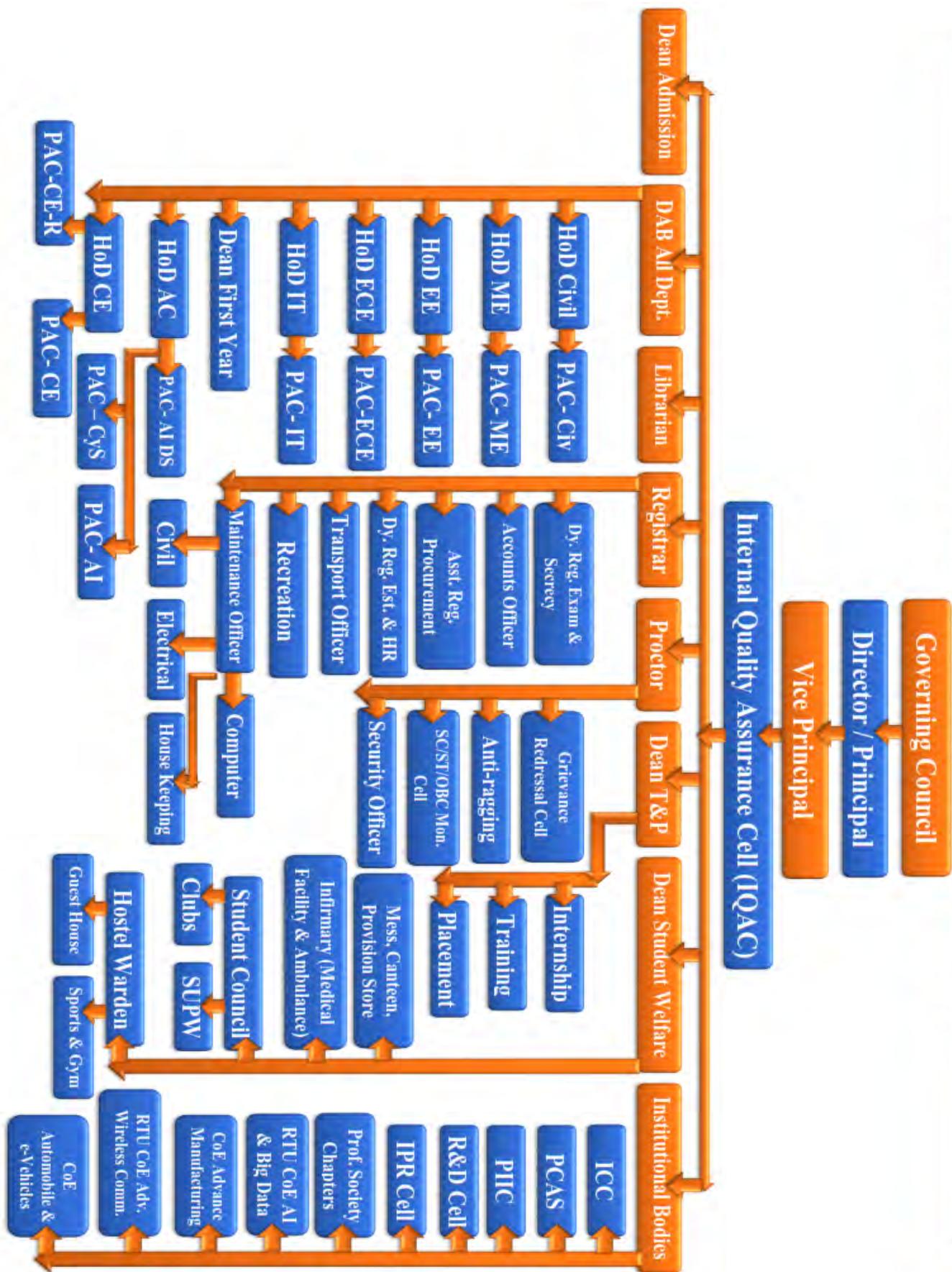
Year	Name of Student	Branch	Marks Obtained
I YEAR	KHUSHI KHANDELWAL	CS	(19.22/20)
I YEAR	SEJAL SHARMA	CS	(19.22/20)

Shanti Devi Memorial Scholarship (E-Learning gadget)

Year	Name of Student	Branch	Marks Obtained
I Year	SEJAL SHARMA	CS	(19.22/20)



Poornima College of Engineering Organogram





INTERNAL QUALITY ASSURANCE CELL (IQAC)

OBJECTIVES

- To establish a system for deliberate, consistent and catalytic approach to enhance the academic and administrative performance of the institution.
- To create an environment of scientific temper and team spirit thereby ensuring quality in conduction of different abridging activities.
- In order to meet quality expectations of stakeholders, IQAC facilitates and supervises faculty development initiatives, and providing appropriate infrastructure for achieving academic excellence.

STRATEGIES

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks
- The relevance and quality of academic and research programs.
- Equitable access to and affordability of academic programs for various sections of society.
- Optimization and integration of modern methods of teaching and learning.
- The credibility of evaluation procedures.
- Ensuring the adequacy, maintenance and functioning of the support structure and services.
- Research sharing and networking with other institutions in India and abroad.
- Better internal communication.

ROLES & RESPONSIBILITIES

- Development and application of PCE Academic Calendar and Financial Proposals including quality benchmarks/parameters for the various academic and administrative activities of the institution.
- Supervise the working of Department Advisory Boards (DABs) and PACs and provide necessary approvals, feedback and suggestions during the preparation of Department Activity Calendar (DAC) and Department Curriculum Delivery Plan (CDP).
- Seeking approvals for DAC and CDP from Governing Council thereby ensuring the suggestions made by GC members to be incorporated in planning and execution of the activities.
- Acting as a nodal agency of the institution for quality-related activities
- Preparation of the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters.

IQAC INITIATIVES

- Introduction of Curriculum Delivery Plan (CDP)
- Introduction of ICC Cell
- Installation of Rooftop Photovoltaic System
- Redefine Institute's Organogram
- Implementation of AICTE New Examination Policy
- Introduction of new program (CSE (AI), AI-DS, CSE (Cyber Security) CE (Regional Language) (Implementation of NEP)
- Establishment IPR Cell & R&D Cell
- Development of Centers of Excellences in various departments
- Training on SSR preparation for NAAC Accreditation
- New incentive policy for MOOC courses
- Implementation of ERP System



IQAC-PROPOSED PLAN

- Autonomy of the institute
- NBA accreditation of Programmes
- Application for NIRF
- Application to increase intake in UG Programmes and approval for PG Programmes
- Introduction of self-helping group (SHG) for weaker students
- Online feedback system
- Implementation of internal academic audit of departments
- Registration for Academic Bank of Credit (ABC)
- Application to get recognition for existing center of excellences in Automobile & Electric Vehicles and Advance Manufacturing
- Implementation of the assessment of learning outcomes (LOs) through rubrics in practical subjects
- Annual Quality Assurance Report (AQAR) filling





CENTRE OF EXCELLENCE RECOGNIZED BY RTU

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.





ACTIVITIES HELD IN CENTRE OF EXCELLENCE

Expert Lecture on “Artificial Intelligence and Its Application”, November, 02-2022

Department of Advance Computing, Poornima College of Engineering, Jaipur organized an Expert Lecture on “Artificial Intelligence and its Application” on Nov 2, 2022 from 12.00 noon to 02.00 pm at CF-05 seminar hall. The main objective of this Expert Lecture was to provide an exposure to students about Artificial Intelligence and its applications and innovations taking place in the global perspective. The expert talk was delivered by Dr. Chandra Prakash, Assistant Professor-NIT Delhi. The expert lecture was coordinated by Dr. Mithlesh Arya Dy. HoD, Department of Advance Computing, Ms. Reena Sharma Asst. Prof. – CSE and Mr. Gaurav Sharma Asst. Prof. – CSE.



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

**Expert Lecture on
“Artificial Intelligence and
Its Application”**

Organized by:
**Department of Advance Computing &
Computer Engineering**

Wednesday, Nov. 02, 2022
12:00 PM to 2:00 PM
CF-05, PCE

RSVP
Dr. Mithlesh Arya
Dy.HoD, Dept. of Advance Computing

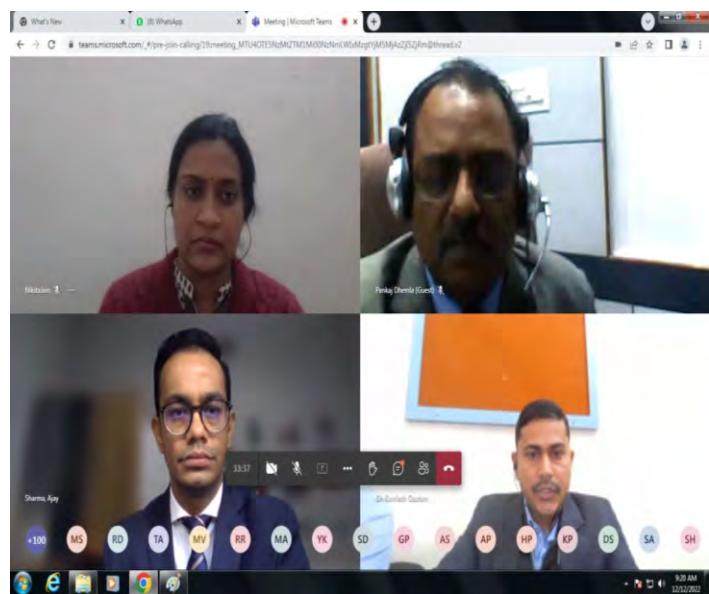
COORDINATORS
Reena Sharma Gaurav Sharma
Assistant Professor Assistant Professor

Two Week FDP (online) on “Emerging Trends in AI and Data Science Applications”, December 12-23, 2022.

Department of Computer Engineering, Poornima College of Engineering, Jaipur, organized a Two Weeks Online Faculty Development Program on “Emerging Trends in AI and Data Science Applications” from December 12th, 2022 to 23rd December 2022. The training program was organized under the aegis of RTU Centre of Excellence in AI & Big Data.

The objective of these two weeks FDP was to provide a sound domain knowledge, skill and training to faculty members / Industry persons / Research scholars on recent trends and applications of AI and Data Science based on real life applications with industry connect.

The chief guest of the inauguration ceremony of the FDP was **Mr. Ajay Sharma, Director Oil, Gas and Energy IBU, SAP, Dubai, UAE**. **Mr. Ajay Sharma** also delivered a keynote session on “**SAP introduction and how it enables the intelligent enterprise**”.





Distinguished experts from renowned institutions of India and abroad delivered the expert talks during the two weeks FDP. Some of the topics covered were ‘Digital Image Processing using Soft Computing Techniques’ by Dr. Nitesh Pradhan, Associate Professor, Manipal University Jaipur, ‘Development in Predictive Analysis’ by Dr. Anshita Dhoot, Moscow Institute of Physics and Technology, Moscow, Russia, ‘Beyond CMOS Devices for Neuromorphic Computing’ by Dr. Abhishek Acharya, Assistant Professor, Sardar Vallabhbhai National Institute of Technology, Surat, and ‘Sprint Planning and Agile Methodologies’ by Mr. Shubham Gupta, Team Lead Software Engineer, Nagarro Enterprise, Gurugram.

The faculty development program was coordinated by Dr. Kamlesh Gautam, Assoc. Prof.& Head Dept. of Advance Computing, PCE and Mr. Manish Choubisa, Asst. Prof. & Dy. HoD- CSE, PCE.

Visit to RTU Centre of Excellence in AI & Big Data, PCE during One Day IEEE Region 10 Teacher - In - Service - Program (TISP) on “Application of IoT in Industry Automation”, 7th October 2023.

IEEE Delhi Section and Poornima College of Engineering, Jaipur organized a One Day IEEE Region 10 Teacher-In-Service-Programme (TISP) on “Application of IoT in Industrial Automation” in Hybrid Mode on Saturday, October 7, 2023 in Association with IEEE Circuit and Systems Society (CASS) Delhi Chapter & IEEE Delhi Section LMAG. Five speakers from Industry and five speakers from academia were invited to deliver talks along with a Panel discussion and keynote talks. Professionals from Academia and Industry were invited to attend the event in online as well as physical mode. The event also included a visit to **RTU Centre of Excellence in “AI & Big Data” at PCE** by some distinguished senior delegates who were invited as guest of honors in the TISP program on 7th October-2023. The senior delegates visited the RTU Centre of Excellence labs at PCE around 5:00 pm on 07-10-2023. **Shri R K Asthana**, IEEE R10 LMAG Chair and **Prof Jasdeep Dhanoa**, Vice Chair, IEEE Delhi amongst the other distinguished members who visited the Centre of Excellence labs at PCE. Mr. Amol Saxena Asst. Prof.-IT and Coordinator – RTU CoE briefed about the objectives of the CoE, various hardware and software resources and other facilities available in the RTU Centre of Excellence, at PCE. He also informed about the various activities organized by PCE for the benefits of students and faculty members under the banner of the RTU Centre of Excellence AI & Big Data.

Two student groups of III Year Computer Engineering Department also presented their Artificial Intelligence and Machine Learning based project work during the visit. The first project was ‘Gait Trajectory Prediction’ which was presented by III Year CSE students Chaitanya Khurana and Aryan Rana, and the second project ‘Handwritten Digit Recognition using DNN on GPU’ was presented by Khushi Agarwal, Bharti Gupta, Deepak Tiwari and Krishna Jain, III Year CSE students of PCE.





One Week Training Program on Advance Manufacturing from 1st Nov'23 to 7th Nov'23

Department of Mechanical Engineering organized a seven-day training program on Advanced Manufacturing in collaboration with the Center of Excellence under the MOU Training Program from November 1-7, 2023. Under this training program, Students have benefitted from experiential learning of programming of computer numerical control machines and 3D printing. They have developed individual components namely the cotter joint, knuckle joint, and saddle keys using CNC machine and 3D printer, respectively. Two days training was also given in CPET, Jaipur, Rajasthan during this training program.



One Week Training Program on Automobile vehicle from 1st Nov'23 to 7th Nov'23

A one week training program was conducted on existing and advance vehicle by department of Mechanical Engineering in association with BABA Automobile Pvt. Ltd on Basic Automobile Engineering from 1 Nov'23 to 7th Nov'23. All the participants were trained on basic construction, working and dismantling and mantling of engines. After the training, small projects were developed by the students under the supervision of department faculty and trainer from BABA automobile.



Training Program on “Basic Automobile Engineering”

ADD-ON COURSE
COE TRAINING PROGRAM

MOU ACTIVITY

NOVEMBER 01-07, 2023
08:30 AM ONWARDS

Venue:- COE-AEV Lab

COE-AEV Lab

RSVP:-
Dr. Narayan L. Jain, HOD (ME Department)
9414728922
Dr. Mukesh Didwania, COE-AEV
9717420063

DEPARTMENT OF MECHANICAL ENGINEERING

Webinar on ROLE OF ELECTRONICS IN FUTURE TRENDS 9th November '23

On 09 November 2023, i.e., Thursday a Webinar on “ROLE OF ELECTRONICS IN FUTURE TRENDS” was organized at Poornima College of Engineering under the flagship of Centre of excellence advanced wireless communication lab, ECE, PCE. Mr. Rakesh Jain from Assistant Professor ECE, Gitanjali Institute of Technical Studies, Udaipur gave a PPT presentation on the topic “ROLE OF ELECTRONICS IN FUTURE TRENDS”.

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

AN ONLINE EXPERT SESSION ON “ROLE OF ELECTRONICS IN FUTURE TRENDS”

Organized by :

Department of
Electronics & Communication Engineering,
Poornima College of Engineering

Venue: Google Meet
Link for Joining
<https://tinyurl.com/yeyw84j5>

Mr. Rakesh Jain
Geetanjali Institute of Technical studies, Udaipur.



INITIATIVES AND BENCHMARKS AT PCE

FACILITIES & STUDENT LIFE

The infrastructure of Poornima Group is The Best in class. It provides a scenic and tranquil environment to the students, boosting their mental potential and preparing them in all aspects to face the cut-throat global competition with a smile on the face and emerge victorious. Well-designed building area with independent academic block, administration block, hostels & playgrounds provide scholarly ambience for learning & liberty.

CLASSROOMS-THE PLACE FOR FOCUSED LEARNING

The spacious, amphitheatre - style classrooms in the College provide the most conducive atmosphere for dynamic and focused discussions. They have been designed to bring together analysis with action and are augmented with integrated audio visual teaching aids for lectures, presentations etc. Special sessions and classes are also held on business etiquettes, negotiation skills, effective communication, leadership, teamwork and analytical skills

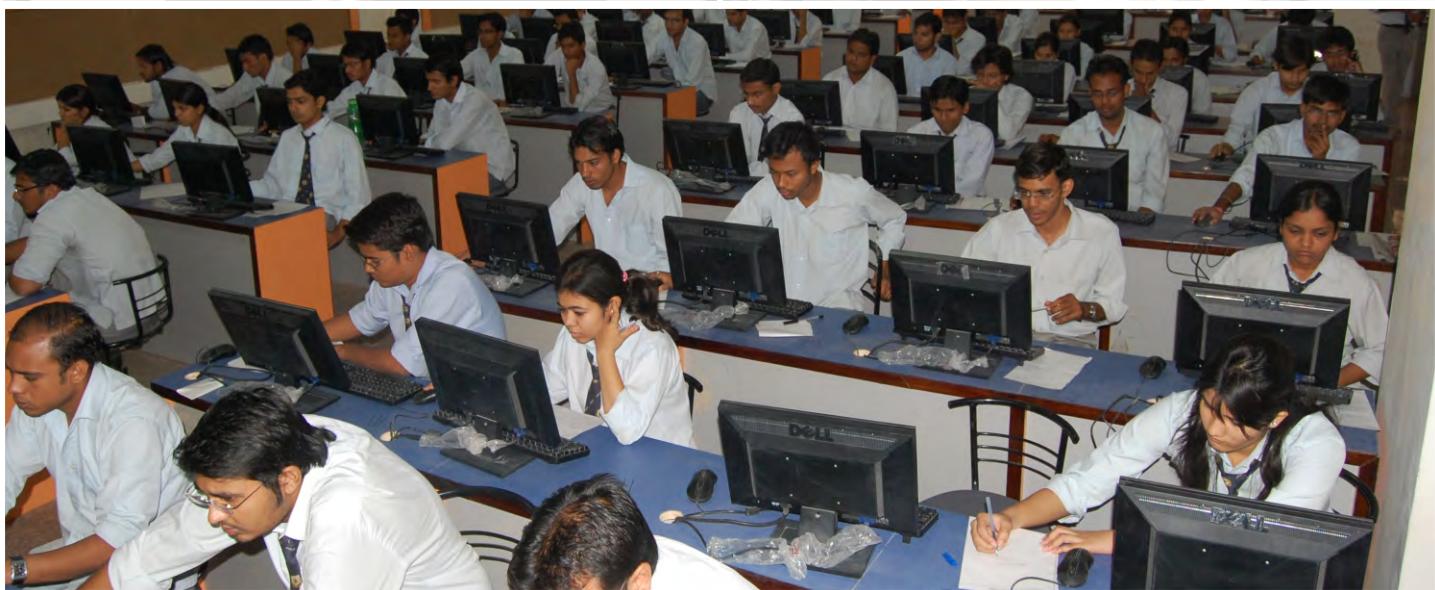
AUDITORIUM - A PLATFORM FOR INTERFACE

Poornima provides state-of-the-art auditorium & convention centre with a seating capacity of more than 500. The auditorium acts as a common ground for students, faculty and corporate personalities for regular interfaces, conferences and other events. At these platforms, students come across various global thought leaders, academic gurus and corporate heads who will share their corporate experiences with them. For events of a smaller scale, the seminar halls, equipped with advanced presentation tools, are the ideal venue

LABORATORIES

High-tech laboratories having equipment with calibrations to ISO 9001-2000 Certifications, State of the art workshops and numerous workstations with licensed software play an important role in learning experience. Laboratories in Poornima Group are fully equipped to meet the academic requirements as per curriculum. Major labs are; IDEA lab, High Performance Computing Lab, Deep Learning & Neural Network, Augmented Reality, Virtual Reality lab and IoT lab. MATLAB and Simulation & Computational labs in Electrical Engineering, Microprocessor & Microcontroller Lab with Keil software, Microelectronics Lab with Cadence software, VLSI with Xilinx software, CAD Lab, Embedded System Lab, DAEC Lab, Communication and Texas Instruments Lab and MVI Lab equipped with Lab VIEW software in Electronics and Communication Engineering and CAD/CAM and Auto Sync lab in Mechanical Engineering. Labs are accessible to students till 8 PM.







COMPUTING FACILITIES-IMPARTING KNOWLEDGE IN THE MOST HI-TECH ENVIRONMENT

Poornima campus is inter-connected through a highly secure virtual private network, where personal computers are interconnected to the Internet through broadband connection. Poornima has state-of-the-art computer centres that provide computing facilities consisting of the latest computer machines linked to a wide range of software, communication and print services. Campus is fully wireless and Latest software are used to enable work on data analysis, web technologies and software designing. The intranet enables close on-line interaction between faculty and students for online interaction.

LIBRARY

The library services are managed by Koha system at Poornima. The mission of our library services is to facilitate creation of new knowledge through acquisition, organization and dissemination of knowledge resources.

The library has a spacious reading hall, periodical centres, group discussion rooms and online database browsing areas. The libraries offer a wide range of materials in a variety of formats-from traditional books and serials to movies, and multimedia and networked information from around the world. Highly skilled staff assists students to use the local collections and information

on specific topics. Our libraries are a learning space where students are inspired to explore, research and create. Our libraries are not only the places to think, but also an informal work area where students gather to collaborate. Our libraries house a collection of more than 60000 items including books, journals, microlms, audio-visual material and CD-ROMs. Furthermore, the students have access to more than 10,000 electronic journals available online, apart from daily newspapers. The libraries

have access to a large number of e-resources, ASCE Journals, ASME Journals, IEL online, Science Direct, EBSCO, EMERALD, SCIFINDER, SAE-Tech Papers, Indian Standards Codes, ACM, ABI / Inform Complete (PRO QUEST), Springer Link and Engineering Referex. Our libraries have a video conferencing facility and also provide classroom teaching through EDUSAT programs and NPTEL video courses in the different fields of education.



RESEARCH & INNOVATION

Research is an important part of academics and therefore faculty members inform the students about the recent trends and advancements in the technical arena. An orientation towards research is developed to bridge the gap between the skills instilled in the students and needs of the industries. Certain student chapters, professional societies viz: IEEE, ISTE & IEI and access to a rich library of IEEE is provided to the students. Regular workshops, seminars, and conferences are also organized on campus.

TUTOR SYSTEM

It creates learning and assessment opportunities in which a tutor performs the combined role of a friend, philosopher, and guide for a group of students. The responsibility of a tutor includes helping, guiding, admonishing as well as caressing the students. Tutor maintains constant touch with the parent and provides the necessary and required updates pertaining to the progress made by their child. Students are encouraged to freely share their problems and other concerns with their tutors.



INDUSTRIAL VISITS

It is considered one of the most tactical methods of teaching which provides students an opportunity to learn practically through interaction, working methods and employment practices. Industrial visit is considered as a part of a college curriculum and different industrial visits, seminars workshops etc. are organized to give the students practical hands on experience regarding the internal working environment of a company and its know-how as well as useful information related to the practical aspects of the educational course which cannot be visualized in lectures.



INDUSTRY INSTITUTE INTERACTION (I3 DAY)

There is an urgent need to prepare engineering students for jobs in Multinational companies by exposing them to new technologies & methodologies. Hence apart from academic engagement of students of 5 days a week, we keep the 6th day exclusive for Industry Institute Interaction (i3day).



NON SYLLABUS PROJECT

Poornima Group has implemented the concept of NSP for the students of B.Tech from First Semester onwards. All the students develop a branch specific project every semester. The aim is to publish a research paper & a patent on reaching the final year.

SURVEY CAMP

Survey Camp is conducted for students at regular intervals, as a compulsory part of the Curriculum. Such camps are aimed to groom the engineering students with essential knowledge and exposure to the real work, thereby encouraging leadership and teamwork skills among them. This Survey Camp results in encouraging and supporting students, emerging as a leader in several areas of academics. The Students are divided into groups of 10 -11 students each and are monitored and mentored by the faculty coordinator. These camps are organized in 2-3 phases to learn & monitor each aspect of the surveying.



TRANSPORT FACILITY

Safety and added comfort, both are the prime concerns of Poornima. To bestow with the same, the fleet of buses provide pick and drop facility to students coming from within a radial distance of 50Kms. The buses give a comfortable travelling experience.

MEDICAL FACILITIES

A healthy body makes for a healthy mind. In order to ensure your well-being, Poornima has tie-ups with renowned hospitals to take care of any kind of emergency. At Poornima, you will be covered by comprehensive medical insurance to meet all kinds of exigencies.



LANDMARKS

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.



TEACHER'S DAY CELEBRATION

Poornima Group celebrates Teacher's Day every year to pay a tribute to the contribution made by the teachers to the students. Marking respect & admiration the students organize surprise games & small activities to make them feel special. The bubbly decorations and spontaneous creations enlighten the mood of the event.



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
ARNAV SHARMA	CS	CodeQuotient - Indus Valley Partners (6 LPA)
AANCHAL ASNANI	CS	Flipkart (32.57 LPA)
ABHINAV SHARMA	CS	Ingenuity Gaming (5 LPA)
DEEPESH TOTLA	CS	Ingenuity Gaming (5 LPA)
SAGAR SAINI	CS	Ingenuity Gaming (5 LPA)
SHAHRIK KHAN .	CS	Ingenuity Gaming (5 LPA)
YUKTI CHOUDHARY	CS	Ingenuity Gaming (5 LPA)
ARNAV KULSHRESTHA	CS	Infosys (HackWithInfy) (6.25 LPA)
HIMANSHU SINGH .	CS	Infosys (HackWithInfy) (6.25 LPA)
MUKUL KUMAR TIWARI	CS	Infosys (HackWithInfy) (9.5 LPA)
SHUBHAM JACOB	CS	Infosys (HackWithInfy) (6.25 LPA)
ANUSHKA SHARMA	CS	Cloud Mentor (8 LPA to 12 LPA)
NIKITA AGARWAL .	CS	Cloud Mentor (8 LPA to 12 LPA)
RICHA GARG .	CS	Cloud Mentor (8 LPA to 12 LPA)
ROHIT MATHUR	CS	Cloud Mentor (8 LPA to 12 LPA)
SURYANSH OMAR	CS	Cloud Mentor (8 LPA to 12 LPA)
APREKSHA MATHUR	CS	Infosys (InfyTQ) (3.5 LPA)
VISHAL KUMAR .	CS	Infosys (InfyTQ) (3.5 LPA)
ARYAN .	CS	Appcino (6 LPA)
KUSHAGRA AGRAWAL	CS	Appcino (6 LPA)
KUNAL SINGH	CS	Appcino (4.5 LPA)
ANKUSH YADAV	CS	Auriga IT (6 LPA)
UTKARSH PALIWAL	CS	Auriga IT (6 LPA)



Name of Student	Branch	Company
POORVI GOYAL	CS	SAP Labs (Phase-II) (6.52 LPA)
MANISH KUMAR	CS	XenonStack (7.5 LPA) @iNurture
AAYUSHI NARUKA	CS	RoboMQ (7 LPA)
AISH JOSHI	CS	RoboMQ (7 LPA)
AMRIT KUMAR	CS	RoboMQ (7 LPA)
VISHALI GUPTA	CS	RoboMQ (7 LPA)
NIHARIKA PALIWAL	CS	Unthinkable (6 LPA)
RAJ GUPTA	CS	Unthinkable (6 LPA)
RIYA KUMARI	CS	Unthinkable (5 LPA)
SAGAR KHANDELWAL	CS	Unthinkable (5 LPA)
YASH BANSAL	CS	Unthinkable (5 LPA)
ANUBHA GUPTA	CS	Celebal (6.5 LPA)
DEEPAK LAKHOTIA	CS	Celebal (6.5 LPA)
SAURABH KUMAR	CS	Celebal (6.5 LPA)
VISHESH GARG	CS	Celebal (6.5 LPA)
AKSHAT JAIN	CS	Argusoft (7.12 LPA)
ARJUN JAIN	CS	Argusoft (7.12 LPA)
SIMRAN WADHWANI	CS	SAP Labs (Phase-II) (6.52 LPA)
SAGAR TANEJA	CS	KeyKloud(Metadologie) (6.5 LPA)
BHAWNA GUPTA	CS	Genus Power (5.5 LPA)
HARSH UPADHYAY	CS	InTime Tec (5.5 LPA)
NAMAN KHANDELWAL .	CS	InTime Tec (5.5 LPA)
NITIN TAYAL .	CS	InTime Tec (5.5 LPA)
SNEHASIS HAZRA	CS	InTime Tec (5.5 LPA)
VINAYAK GUPTA	CS	InTime Tec (5.5 LPA)
PRERNA MUNDRA	CS	Decurtis-PPO (6.9 LPA)
RIYA SHARMA	CS	GKM IT (5 LPA to 7.2 LPA)
SATYAM KUMAR	CS	GKM IT (5 LPA to 7.2 LPA)
SHIVAM SHUKLA	CS	GKM IT (5 LPA to 7.2 LPA)
YUVRAJ SINGH CHOUHAN .	CS	GKM IT (5 LPA to 7.2 LPA)
DEV KALRA	CS	Legato Health (4.5 LPA)
ESHITA CHOUDHARY	CS	Legato Health (4.5 LPA)
GAURAV PIPADA	CS	Legato Health (4.5 LPA)
MINALI GUPTA .	CS	Legato Health (4.5 LPA)
NITISH KUMAR GUPTA	CS	Legato Health (4.5 LPA)
RAGHAV MALHOTRA	CS	Legato Health (4.5 LPA)
YASH SHARMA .	CS	Legato Health (4.5 LPA)



Name of Student	Branch	Company
SAURAV CHAUDHARY	CS	OnGraph (4.2 LPA to 5.4 LPA)
SUMIT KUMAR	CS	OnGraph (4.2 LPA to 5.4 LPA)
GAURAV TANK .	CS	Celebal (6.5 LPA)
ARCHITA	CS	Celebal (6.5 LPA)
CHIRAYU KHANDELWAL .	CS	Optum (11.7 LPA)
GAYATRI RUPCHANDANI	CS	Optum (11.7 LPA)
MS.RIYA MODI .	CS	Optum (11.7 LPA)
ESHIKA MITTAL. .	CS	Optum (11.7 LPA)
KHUSHBU PAREEK	CS	Optum (11.7 LPA)
PALLAVI SINGH	CS	Financial Spectra (5.5 LPA)
ABHISHEK PATIDAR .	CS	Xebia (5.5 LPA to 8 LPA)
TARUN UPADHAYAY	CS	Xebia (5.5 LPA to 8 LPA)
DAKSHITA SHARMA	CS	Adnate (5 LPA)
MRIDUL PANDIT	CS	Adnate (5 LPA)
PRIYANSHU SAINI	CS	Adnate (5 LPA)
BHUPESH .	CS	CloudThat (5.6 LPA)
MS. AAYUSHI KHANDELWAL	CS	CloudThat (5.6 LPA)
RIYA BHARGAVA	CS	Metacube (5.2 LPA to 6.2 LPA)
ABHISHREE MUNDRA	CS	Hexaware Technologies (4 LPA)
GARIMA JAIN	CS	Nirvana Solutions (6.5 LPA)
NEHAL JAIN	CS	Nirvana Solutions (6.5 LPA)
RIDHVI KULSHRESTHA	CS	Nirvana Solutions (6.5 LPA)
SAKSHI KUMARI	CS	Vaibhav Global (5 LPA)
VIKAS KUMAR	CS	Fusionstak Technologies (4 LPA to 5 LPA)
APRAJITA KUMARI	CS	Vodafone (4.5 LPA)
SOURABH GUPTA .	CS	Incture (6.25 LPA)
KINJAL AGRAWAL	CS	Nstart (4.20 LPA)
AMAN PANDEY	CS	Qburst (5.5 LPA)
ANURAG KUMAR	CS	Qburst (5.5 LPA)
AYUSH KUMAR SRIVASTAV.	CS	Qburst (5.5 LPA)
RISHI GOYAL	CS	Freecharge (9 LPA)
DARSHAN BHATT	CS	Tech Mahindra (3.25 LPA to 5.5 LPA)
PRABIN .	CS	Tech Mahindra (3.25 LPA to 5.5 LPA)
KUNAL LAL PAWA	CS	63 Moons Technologies (5.5 LPA)
PRIYANSH SHARMA .	CS	63 Moons Technologies (5.5 LPA)
VIRENDRA SINGH SISODIA .	CS	63 Moons Technologies (5.5 LPA)
LAVESH GARG	CS	Cimpress India (12 LPA)



Name of Student	Branch	Company
PRANJAL .	CS	Sierra Cloud (8.5 LPA)
SACHIN KHATRI	CS	Sierra Cloud (8.5 LPA)
SAYAN KHANDAIT	CS	CloudThat (Phase-II) (5.6 LPA)
LUV HIRANI	CS	Dark Bears Software (3 LPA to 4.8 LPA)
ISHAN JAIN	CS	Codextra (Phase-II) (1.8 LPA to 3 LPA)
ABHISHEK SINGHAL .	CS	Rawattech (2.5 LPA to 3.5 LPA)
YATHARTH PUROHIT	CS	BYJU's (7 LPA)
MOHIT DHANOTIYA	CS	StartBit (Phase-II) (3.29 LPA)
ASHUTOSH SAXENA	CS	Byju's (Phase-II) (8 LPA)
AYRISH JAIN	CS	Byju's (Phase-II) (7 LPA)
MADHUR BHARDWAJ	IT	Ingenuity Gaming (5 LPA)
LOVISH YADAV .	IT	Infosys (HackWithInfy) (6.25 LPA)
RISHABH AGARWAL .	IT	Auriga IT (6 LPA)
KHARANSHU KASHYAP	IT	XenonStack (7.5 LPA) @iNurture
VARTIKA JAIN .	IT	RoboMQ (4.5 LPA)
MANISH JANGID	IT	Celebal (6.5 LPA)
SHASWAT PANDEY	IT	Celebal (6.5 LPA)
PUJA KUMARI	IT	Argusoft (7.12 LPA)
ANSHU JANGID	IT	InTime Tec (5.5 LPA)
NAMAN KHAMESRA .	IT	InTime Tec (5.5 LPA)
RONAK SHARMA	IT	InTime Tec (5.5 LPA)
LALIT KUMAR DHANJANI	IT	InTime Tec (5.5 LPA)
MOHINI GARG .	IT	Decurtis-PPO (6.9 LPA)
HARPREET SINGH .	IT	GKM IT (5 LPA to 7.2 LPA)
KHUSHI SHARMA .	IT	GKM IT (5 LPA to 7.2 LPA)
DHRUV JAIN .	IT	Legato Health (4.5 LPA)
SNEHA CHAPLOT	IT	Legato Health (4.5 LPA)
KAJAL LAL CHANDANI	IT	Celebal (6.5 LPA)
DEEPAK KUMAR MANJHI	IT	CloudThat (5.6 LPA)
GOPAL SHARMA .	IT	Qburst (5.5 LPA)
SANYAM MODI	IT	Qburst (5.5 LPA)
SATPREET SINGH KHERA .	IT	InfoObjects (3 LPA to 4.2 LPA)
MANSI JAIN .	IT	63 Moons Technologies (5.5 LPA)
HARSHITA LOHANI .	IT	TechMatrix (4 LPA)
PALAK GUPTA	IT	TechMatrix (4 LPA)
PRAKHAR MISHRA	IT	Vodafone (4.5 LPA)
SHUBHAM .	IT	CloudThat (5.6 LPA)



Name of Student	Branch	Company
YADUVENDRA SINGH	CS	Cimpress India (12 LPA)
DEVESH KUMAR SINGH	CS	VasyErp (Reliance Group) (4 LPA to 6 LPA)
HIMANSHU KARN	CS	Vodafone (4.5 LPA)
AAYUSH SHARMA .	CS	ElasticRun (8 LPA)
SAHIL GUPTA	CS	ElasticRun (8 LPA)
SHREY SOMANI	CS	ElasticRun (8 LPA)
YASH KOTHARI .	CS	Techuz Infoweb (5.5 LPA)
ARNAB ROY	CS	AAVAS FINANCIERS LIMITED (3.6 LPA)
MAHAK JAIN HINGAR	CS	Yamaha Motor (6 LPA)
DIKSHANT MATHUR .	CS	Programmers.io (5 LPA)
TANISHA KHUNTETA	CS	Programmers.io (5 LPA)
VANSHIKA PARIHAR	CS	Nucleus Software (4.33 LPA)
SIYA JAIN	CS	Decurtis-PPO (5.6 LPA)
ROHIT SHARMA	CS	WIPL (3 LPA)
PURU NARESH SONI	CS	Persistent Systems (5.01 LPA)
ABHISHEK AGRAWAL	CS	Appcino (3.5 LPA)
ABHISHEK SHARMA	CS	Secure Meters (5 LPA)
AYUSHI SHARMA	CS	Secure Meters (5 LPA)
KULDEEP VAISHNAV	CS	Secure Meters (5 LPA)
NALIN JAIN	CS	Secure Meters (5 LPA)
SURAJ SONI .	CS	RoboMQ (Phase-II) (4.6 LPA)
BHUPESH KUMAR MANUJA	CS	StartBit IT Solutions (3.29 LPA)
ABHAY AGARWAL	CS	Key Management Group (KMG) (3.25 LPA)
AYUSH SAXENA	CS	TCS (NQT) (3.36 LPA)
YASH AGARWAL .	CS	Key Management Group (KMG) (3.25 LPA)
SAURABH AGRAWAL	CS	To The New @iNurture (4.5 LPA)
UMANG DAKH	CS	To The New @iNurture (4.5 LPA)
CHANDAN SINGH TANWAR .	CS	FargoWiz (3.5 LPA to 5.5 LPA)
ADITI KATARA	CS	Celebal (Phase-IV) (6.5 LPA)
ANKUR CHAURASIA	CS	Celebal (Phase-IV) (6.5 LPA)
ARIHANT KOTHARI	CS	Celebal (Phase-IV) (6.5 LPA)
ARJUNKUMAR CHOUDHARY	CS	Celebal (Phase-IV) (6.5 LPA)
AYUSH SHARMA .	CS	Celebal (Phase-IV) (6.5 LPA)
PRAGATI BHARDWAJ	CS	Celebal (Phase-IV) (6.5 LPA)
DEVANSH SHARMA	CS	FargoWiz (2.01 LPA)
HARSHVARDHAN .	CS	Rachiyata Infinite (3 LPA)
SWARN NIRMAL	CS	Celebal (6.5 LPA)



Name of Student	Branch	Company
SAKSHI AGARWAL	IT	AAVAS FINANCIERS LIMITED (3.6 LPA)
MAHESH RATHI .	IT	Yamaha Motor (6 LPA)
CHIRAYU GOYAL	IT	Jio Platforms (5 LPA)
AYUSHI KHANDAL	IT	Key Management Group (KMG) (3.25 LPA)
CHIRAG GUPTA	IT	Key Management Group (KMG) (3.25 LPA)
SHUBHANKAR KAVIYA .	IT	Rolling Arrays (5 LPA)
AMAN SHARMA	IT	Celebal (Phase-IV) (6.5 LPA)
PRATEEK SRIVASTAVA	IT	Celebal (Phase-IV) (6.5 LPA)
YATIN AGARWAL	IT	CloudThat (Phase-II) (5.6 LPA)
SHIVAM JANGID	IT	Dark Bears Software (3 LPA to 4.8 LPA)
ISHA JAIN	IT	Codextra (4 LPA to 5 LPA)
ASHUTOSH KUMAR .	IT	Brudite (3.5 LPA)
KANIKA .AGARWAL	IT	Brudite (3.5 LPA)
RAJ SHEKHAR SWARNKAR .	IT	Byju's (Phase-II) (7 LPA)
YASHASVI PANDEY	ECE	Synopsys (13 LPA)
JHALAK DASHORA	ECE	Auriga IT (6 LPA)
LALIT AGARWAL	ECE	Unthinkable (5 LPA)
SAMIKSHA AGARWAL	ECE	Unthinkable (5 LPA)
CHIRAG JAISWAL	ECE	InTime Tec (5.5 LPA)
ARYAN PATIDAR	ECE	Genus Power (5.5 LPA)
MS. AKSHITA MITTAL .	ECE	Metacube (5.2 LPA to 6.2 LPA)
YADAV VINAYSINGH SATPALSINGH	ECE	Axestrack (5 LPA)
KISHAN BARANWAL	ECE	Spanidea (5 LPA)
MIHIR BHATIA .	ECE	Qburst (5.5 LPA)
APEKSHA ABHAY .	ECE	eInfochips (4 LPA)
ASHIKA CHATURVEDI	ECE	eInfochips (4 LPA)
NITIN JAIN	ECE	eInfochips (4 LPA)
RAHUL SHARMA	ECE	eInfochips (4 LPA)
SAKSHAM JAIN .	ECE	eInfochips (4 LPA)
SHIVENDRA SINGH RATHORE	ECE	eInfochips (4 LPA)
MS. SANA .	ECE	Thrillophilia (3.6 LPA)
AKASH SINGH JADAUN	ECE	VasyErp (Reliance Group) (4 LPA to 6 LPA)
SANSKRITI .	ECE	Yamaha Motor (6 LPA)
BHAVIT JAIN	ECE	Programmers.io (5 LPA)
CHIRAG AGARWAL .	ECE	Programmers.io (5 LPA)
YASHDEEP SAINI	ECE	Clover IT Services (3 LPA)
VARTESH RAJ SINGH	ECE	Golcha Associated (3.5 LPA to 5 LPA)



Name of Student	Branch	Company
ROHIT RAJ .	ECE	StartBit IT Solutions (3.29 LPA)
NEMICHAND CHHIPA	ECE	TCS (NQT) (3.36 LPA)
BRAJESHWARAM KRISHNAM	ECE	Aksh Optifibre (3.6 LPA)
ADARSH KUMAR	ECE	Kaynes Technology India (2.04 LPA)
KANISHKA AGARWAL	ECE	Hindustan Unilever (8.3 LPA)
NEHA MRIDUL .	ECE	BYJU's (7 LPA)
PRABHAT SHARMA	ECE	Elektrolites (2.52 LPA)
AKASH KUMAR	ECE	Elektrolites (2.52 LPA)
RAMAN KUMAR	ECE	Elektrolites (2.52 LPA)
ANMOL KUMAR .	ECE	BYJU's (7 LPA)
ASHISH RAJ .	ECE	Flipkart (SCCP) (Phase-II) (3 LPA to 3.6 LPA)
SHRUTI SHARMA	ECE	Dark Elephants (5.5 LPA)
AMISHA MATHUR	ECE	Dark Elephants (5.5 LPA)
KANAK PAREEK	EE	Consultadd (5 LPA)
ABHISHEK JANGID	EE	Design2Occupancy (2.64 LPA to 3 LPA)
HARSHIT KUMAR MEHARCHANDANI	EE	Collabera (3.06 LPA)
MOHIT JOSHI	EE	Secure Meters (5 LPA)
VIVEK YADAV	EE	Secure Meters (5 LPA)
JATIN AGARWAL	EE	Pinnacle Infotech (2.16 LPA)
SURENDER KUMAR	EE	OTC Daihen (3 LPA to 3.6 LPA)
HARSHVARDHAN SHRINGI	EE	Celebal (Phase-IV) (6.5 LPA)
YASHSHVI MEENA	EE	Celebal (Phase-IV) (6.5 LPA)
ABHISHEK DUBEY	EE	Bhagwati Products (2.4 LPA to 3 LPA)
ANKIT MAAN .	EE	Bhagwati Products (2.4 LPA to 3 LPA)
AYUSH GUPTA	EE	Bhagwati Products (2.4 LPA to 3 LPA)
SANEY THAKUR	EE	Bhagwati Products (2.4 LPA to 3 LPA)
MD ANAS ZAIM KHAN	EE	Fowler Westrup (3 LPA to 3.8 LPA)
SHAHNAWAZ ALAM .	EE	VDC Technologies (2.4 LPA)
ANKIT MALI	EE	VDC Technologies (Phase-II) (2.4 LPA)
CHAUDHARY HARIOM LAKSHMIKANT	EE	BYJU's (7 LPA)
NAVNEET KUMAR SAINI	EE	BYJU's (7 LPA)
YASH KUMAR KATARA	EE	Elektrolites (2.52 LPA)
ABHISHEK KUMAR	EE	OTC Daihen (3 LPA to 3.6 LPA)
ACHAL SINGHAL .	EE	Kirloskar Medical (2.4 LPA)
DIPESH SAINI	EE	Kirloskar Medical (2.4 LPA)
KARAN JANGID	EE	Kirloskar Medical (2.4 LPA)
PRIYA KANWAR	EE	Flipkart (SCCP) (Phase-II) (3 LPA to 3.6 LPA)



Name of Student	Branch	Company
AHIN JOHNY	ME	Consultadd (5 LPA)
ADITYA KASHYAP	ME	VDC Technologies (Phase-II) (2.4 LPA)
AMARJEET KUMAR	ME	VDC Technologies (Phase-II) (2.4 LPA)
RAJ SHEKHAR	ME	VDC Technologies (Phase-II) (2.4 LPA)
KAPIL SHARMA	ME	Design2Occupancy (2.64 LPA to 3 LPA)
AKSHIT SINGH .	ME	WIPL (4 LPA)
DHRUV SINGH RATHOUR .	ME	Pinnacle Infotech (2.16 LPA)
GARIMA SINGH	ME	Pinnacle Infotech (2.16 LPA)
JATIN ARORA	ME	Pinnacle Infotech (2.16 LPA)
MANVENDRA PRATAP SINGH CHAUHAN	ME	Pinnacle Infotech (2.16 LPA)
PRITAM PRAJAPAT .	ME	Pinnacle Infotech (2.16 LPA)
RACHIT JAIN	ME	Pinnacle Infotech (2.16 LPA)
SHISHUPAL JADOUN	ME	Pinnacle Infotech (2.16 LPA)
SHIVAM BHAT	ME	TCS (NQT) (3.36 LPA)
PARTH VERMA .	ME	PlanetSpark (7.23 LPA)
PANKAJ YADAV .	ME	Design2Occupancy (2.64 LPA to 3 LPA)
ANMOL PANWAR	ME	3S Infotech (3.38 LPA)
NIKHIL SIWASIA .	ME	3S Infotech (3.38 LPA)
AFROZ ALAM	ME	Mateshwari Group (3 LPA)
OMENDRA SINGH .	ME	Mateshwari Group (3 LPA)
YOGESH KUMAR SAHU	ME	Mateshwari Group (3 LPA)
ABHISHEK SHAKYA	ME	Schwing Stetter (Phase-II) (2.40 to 3.6 LPA)
VIKASH TIWARI	ME	BYJU's (7 LPA)
PRANAV KUMAR SINGH	ME	Design2Occupancy (Phase-II) (2.64 LPA to 3 LPA)
RAVI SHARMA	ME	Design2Occupancy (Phase-II) (2.64 LPA to 3 LPA)
USAMA BAKHED	ME	Watermate Technologies (2.16 LPA)
AKASH KUMAR	ME	Pinnacle (Phase-II) (3 LPA)
SANDEEP SHARMA	ME	Mohini Equipment Infra (Schwing Stetter Phase-II) (3.3 LPA)
DHRUV MATHUR	Civil	Techinterio (2.04 LPA to 2.52 LPA)
MEHUL MATHUR	Civil	Techinterio (2.04 LPA to 2.52 LPA)
TANVI VERMA	Civil	Techinterio (2.04 LPA to 2.52 LPA)
VASUNDHARA .	Civil	ADP (4.5 LPA)
PRAVEEN BHARDWAJ	Civil	Spaura Infrastructure (2.4 LPA to 3 LPA)
MS. SHREYA DADHICH	Civil	Spaura Infrastructure (2.4 LPA to 3 LPA)
RAHUL SHARMA	Civil	Bajrang Group (Phase-II) (1.8 LPA to 2.4 LPA)
ABHISHEK KUMAR	Civil	Hindustan Unilever (8.3 LPA)
GAUTAM KAUSHIK	Civil	Hindustan Unilever (8.3 LPA)



Name of Student	Branch	Company
BHAVDEEP SINGH	Civil	Watermate Technologies (2.16 LPA)
RITIK KUMAR KHATRI	Civil	Pinnacle Infotech (Phase-III) (2.5 LPA)
VIKRAM SINGH	Civil	Pinnacle Infotech (Phase-III) (2.5 LPA)
MD MOBASSHIR .	Civil	Byju's (Phase-II) (7 LPA)
RANNANJAY SINGH	Civil	Pidilite (2.12 LPA)

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Yashasvi Pandey
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Rohit Mathur
Rt Camp



Lavesh Garg
Cimpress



LOVISH YADAV
Cimpress



UTKARSH PALIWAL
Cimpress



Chirayu Khandelwa
Optum



Gayatri Rupchandani
Optum



Riya Kumari
Optum



Mukul Kumar Tiwari
Infosys (Hackwithinfy)



Raj Gupta
Optum



Eshika Mittal
Optum



Message

As a Director of Corporate Relations & Alumni Relations, my message to you is one of inspiration and opportunity. I invite you to delve into these pages and discover the incredible potential that education and career development hold. Through knowledge, preparation, and determination, you can transform your dreams into reality.

Our team is dedicated to guiding and supporting students on their journey towards meaningful careers. We believe that with the right resources and guidance, every individual can achieve their professional goals.

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



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



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



ALUMNI MEET 2023

The Alumni Meet 2023 was held on March 11th, 2023 at Poornima College of Engineering and was attended by a large number of alumni who had graduated from the college over the years. The event was scheduled to start at 3 pm, but Alumni started arriving from 2 pm onwards. Starting off the meet commence with the registration process, where alumni were welcomed with a traditional teeka ceremony, and then their details were registered at the registration desk. Student coordinators of Poornima College Alumni Society then escorted the alumni to the office of PCAS, where they wrote their comments in the visitors' diary. The first activity of the Alumni meet was outdoor games which include cricket and volleyball played by alumni with great enthusiasm. Later, a musical chair activity was conducted in Arjun Garden, where alumni and staff participated with full energy. Tug of war was the final game, where the first match was held between alumni, the second round was between alumni versus staff, and the last inning was between alumni and student coordinators. The ultimate winner of every round were Alumni who were involved with so much excitement. After all the games, refreshments were provided to attendees and dignitaries. Afterward, the stage events started with the paper dance, which was won by a beautiful couple. This was followed by speeches by the dignitaries. Mr. Ashok Jain Sir, the founding member, delivered a speech in which he shared his experiences and memories of the college. Ar. Shashikant Singhi, Chairman, Poornima Group, Ar. Rahul Singhi, Director, Poornima group, Mrs. Renu Singhi, advisory, Poornima College Alumni Society, Dr. Mahesh M. Bunde, Principal and Director, PCE, Mr. Pankaj Dhema, Vice Principal, PCE, and Mr Ashwini Lata, Director Students Welfare, PCE enlighten everyone by highlighting the achievements of Poornima Group. Alumni were highly impressed and appreciated their contribution to the growth of the institution. The Alumni Meet was also graced by the presence of Mr Amit Gupta, Chief Proctor, PCE, Mr Devendra Somvanshi, Registrar, PCE, HODs and other faculty members. Subsequently, the event was moved forward with beautiful dance performances by the PCAS team and the students of Poornima College. One of the alumni gave a poetry performance, and then the Gravity band gave a mesmerizing performance that was accompanied by fireworks. The highlight of the event was the award distribution ceremony where the dignitaries presented the Iconic Poornimite Award to our profound alumni Mr. Devendra Sharma whose excellence inspires the masses to hustle and achieve heights in their respective fields. With this the Alumni Meet was concluded with vote of thanks given by Shruti Sharma, the fourth-year coordinator of PCAS. The nostalgic event ended with an EDM night and dinner for all the attendees.





CONCLUSION

The Alumni Meet 2023 at Poornima College of Engineering was a successful event that brought together alumni from different batches. The games, stage events, and award distribution ceremony made the event enjoyable and memorable. The alumni appreciated the efforts made by PCAS and Poornima College for organizing such a wonderful event. The speeches by the dignitaries were a source of inspiration for the alumni, and they left the event feeling motivated to contribute to the growth of the institution.



8th Mini Convocation

arking the culmination of hard work, the “Convocation Ceremony of Batch 2021, Poornima College of Engineering had been successfully organised by Poornima College Alumni Society on Saturday 18th March, 2023. The ceremony was graced by Dr Anand Bhalerao, Vice Chancellor, Central University of Rajasthan, who was also the Guest of Honor for the event. Also the ceremony was enlighten with decorous presence of Shree M.K.M Shah, Director General, Poornima Group, Jaipur, Dr Mahesh M Bundele, Director & Principal, Poornima College of Engineering, Dr Pankaj Dhemla, Vice Principal, Poornima College of Engineering, HODs and faculty members. Afterwards, Poornima College students allure the event with auspicious Ganesh Vandana. Being a time honoured tradition, the “Convocation Ceremony 2023” concluded with the felicitation of our proud merit holder recipients Miss Lovely Jain from Information Technology, RTU Merit-4 and Miss Lekha Tiwari from Mechanical Engineering, RTU Rank-6. The momentous Degree Distribution Ceremony took place with granting of more than 400 degrees to the recipients.

With this the dedication of students who excelled in academics pursuits was acknowledged in this magnificent event.





VIEWS OF ALUMNI

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.



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)



INTERNAL COMPLAINT COMMITTEE & WOMEN IN SCIENCE AND ENGINEERING



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 women's 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. 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 selection of Student coordinators, a Google form will be circulated, which shall be filled by the students interested. An interview will be conducted for the students, who have filled the form and student coordinators will be selected as per the interview.

INTERNAL COMPLAINT COMMITTEE

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 clapped and formed a club Women in Science and Engineering (WISE) to propagate 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.

WOMEN IN SCIENCE AND ENGINEERING (WISE)

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. A woman cannot only change anything but also can change everything. "Women are the real Architect of Society". So, women at PCE have clapped and formed a club Women in Science and Engineering WISE to propagate the importance and relevance of women's education in science and engineering





ACTIVITIES UNDER THE CLUB

Breast cancer (BC) Awareness Session

October is the month in which people, institutions, NGOs, companies and monuments adopt the pink colour as a way to give strength to the campaign for prevention and awareness about the early diagnosis of breast cancer .Breast Cancer is the commonest malignancy among women globally. It has now surpassed lung cancer as the leading cause of global cancer incidence in 2020, with an estimated 2.3 million new cases, representing 11.7% of all cancer cases. In order to educate females about BREAST CANCER this session was conducted in Poornima Group of Colleges by Dr. Anurag Srivastav and his team from NIMS University, Jaipur. This session was organised by ICC (Poornima Women Welfare Association) and WISE (Women in Science and Technology). The speaker was Dr. Anurag Srivastav who is a world renowned breast surgeon and the national authority in the field of breast and endocrine surgery. He is currently the director, surgical disciplines, NIMS Hospital, prior to that he was with AIIMS New Delhi and is credited as the founder of breast cancer awareness in India under the flagship of National Health Mission. Firstly Dr. Anurag Srivastav and Dr. Pallavi Singh Tomar were presented with mementos and bouquets by the Chairperson and Vice- Chairperson of ICC and WISE. And then Dr. Anurag gave a brief introduction about breast cancer in which he told us about how it is spread, what are the symptoms, what precautions we should take to avoid it, its cure, proper healthy diet which should be followed by all females to live a healthy life . He spread this awareness step by step in the form of PPT.Later on he told us about different ways of self-examination to check whether we are infected or not, with the help of a small video clip.



MUSKAN (An Orphanage Visit)

To support children in need of care and protection and to help destitute poor, neglected needy and orphan children. An orphanage is a residential institution, total institution or group home, devoted to the care of orphans and children who, for various reasons, cannot be cared for by their biological families. The parents may be deceased, absent, or abusive.

This event is organized by WISE club collaboration with Helping Hands Group. In this event we meet many of the children's that are very younger and very sincere. We reached there and first we introduce ourselves and our mission (MUSKAN) then we play many games with them, many activities were organized by us with them to make them happy and comfortable like playing games, dancing, drawing etc. The orphanage house was situated in the outskirts of the city and was close to the national highway. It was a two-storey building with a garden out in the front and a small temple just on its east boundary. The walls of the home were old and the paint had worn off. It looked like the house was without maintenance for years together. There was a small girl who was peeking through the window on the first floor when we opened the gate.





When we entered the home, we were taken by surprise as there were more number of children than we had imagined. There was a common room where the children both boys and girls ranging from the ages of 3 to 21 years were seen. Some of them were indulged in watching the television, some were sipping soup from their bowls, some girls were busy playing with their dolls and others were staring at us.

We had brought with us food, blankets, drawing books, crayons, pencils etc. which we distributed amongst the children. They were ecstatic to have food from outside and were even more elated when they received the stationary from us. We segregated ourselves and went to talk individually to everyone.



Cancer Awareness Session

February is the month in which people, institution, NGOs, company and monuments adopt the pink colour as way to give strength to the campaign for prevention and awareness about the early diagnosis of cancer. Thousands of lives could be saved each year if people were more aware of the signs and symptoms of cancer and people looked for help as soon as possible as treatment is usually more effective in the early stages of cancer. In order to aware students about CANCER this session was conducted in Poornima Groups of Colleges by Dr. Geetanjali Agrawal Joshi and his team from BMCHRC, Jaipur. This session was organised by Central library, PCE and WISE (Women in Science and Technology). The speaker was Dr. Geetanjali Agarwal Joshi who is a renowned Surgical Oncologist in Gurgaon and now in BMCHRC, Jaipur.

Firstly Dr. Geetanjali Agarwal Joshi were presented with memento and bouquet by Chairperson and Vice-Chairperson of WISE. And then Dr. Geetanjali Agarwal give a brief introduction about cancer awareness in which he told us about how it is spread, what are the symptoms , what precautions we should take to avoid it , its cure , proper healthy diet which should be followed by all females to live a healthy life . He spread this awareness step by step in the form of PPT.Later on he told us about different ways of self-examination to check whether we are infected or not, with the help of small video clip.





DEPARTMENT OF I YEAR

VISION

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

MISSION

Provide a dynamic environment of Technical Education where students learn in collaboration with others to develop a disciplined and conceptual knowledge in the field of electrical engineering and become a good professional, researcher and lifelong learner.

About the Department

The First Year Engineering Department, PCE is committed to 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 their 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



Message From Dean

It gives me immense pleasure to address you through the pages of our college magazine, a platform that encapsulates the spirit and vibrancy of our institution. As the Dean of the First-Year Department, I am delighted to welcome you all to this new academic year filled with opportunities, challenges, and endless possibilities.

The first year of college is a unique and transformative experience in one's life. It is a time of transition, self-discovery, and personal growth. It marks the beginning of a journey that will shape your future, both academically and personally. The choices you make, the friendships you forge, and the knowledge you acquire during this period will lay the foundation for your future endeavors.



I encourage each one of you to embrace this phase of your life with enthusiasm and curiosity. College is not just about acquiring knowledge; it's about developing critical thinking, honing your skills, and becoming a well-rounded individual. It's about exploring your passions, engaging in meaningful extracurricular activities, and building a strong sense of community.

I want to emphasize the importance of balance. While academics are crucial, do not forget to take time for yourself, pursue your interests, and maintain a healthy work-life balance. College is not only about studying but also about experiencing the richness of campus life.

I also encourage you to seek guidance and support whenever needed. Our faculty and staff are here to mentor, guide, and assist you on your academic journey. Don't hesitate to reach out to them whenever you face challenges or have questions.

Finally, remember that the college experience is what you make of it. Be open to new experiences, make connections, and cherish every moment. Your time here will be a blend of hard work, fun, and personal growth, and I am confident that you will emerge from your first year as more capable, confident, and knowledgeable individuals.

I wish you all a successful and fulfilling academic year ahead. May you make the most of this incredible journey and leave a mark that will be remembered for years to come.

Dr. Rekha Nair





From the Desk of HOD

I'm proud to acknowledge the significant role our department plays in shaping future engineers at Poornima College of Engineering. As pioneers in technical education, we remain committed to promoting academic excellence.

Our achievements have been the result of collective effort, emphasizing that great things are rarely achieved by one person alone. When we unite with a shared purpose, we move faster, innovate more, and achieve greater success. Teamwork is the key to project success.

I'd like to express my sincere appreciation for your unwavering efforts. Your dedication and innovative approaches have been instrumental in shaping our students and our department's future.

Looking forward, I have great optimism. Let's continue to foster academic excellence and prepare our students to excel in the ever-changing engineering world. Our commitment to teamwork will drive our ongoing success in project completion and technical education leadership.

I applaud each of you for your valuable contributions and eagerly anticipate your continued dedication. Together, we will maintain our position as a beacon of excellence at Poornima College of Engineering.



Dr. Ratnesh Sharma

Tree Plantation Drive

Tree plantation is not just something that should be done; instead, it is a necessity, the urgent need of the hour. Planting of trees is especially important to protect our environment against air pollution and global warming. Poornima College of Engineering members took an active participation in the planting trees in the campus.



Har Ghar Tiranga

'Har Ghar Tiranga' is a campaign under the aegis of Azadi Ka Amrit Mahotsav to encourage people to bring the Tiranga home and to hoist it to mark the 75th year of India's independence. Our relationship with the flag has always been more formal and institutional than personal. Bringing the flag home collectively as a nation in the 75th year of independence thus becomes symbolic of not only an act of personal connection to the Tiranga but also an embodiment of our commitment to nation-building. The idea behind the initiative is to invoke the feeling of patriotism in the hearts of the people and to promote awareness about the Indian National Flag.



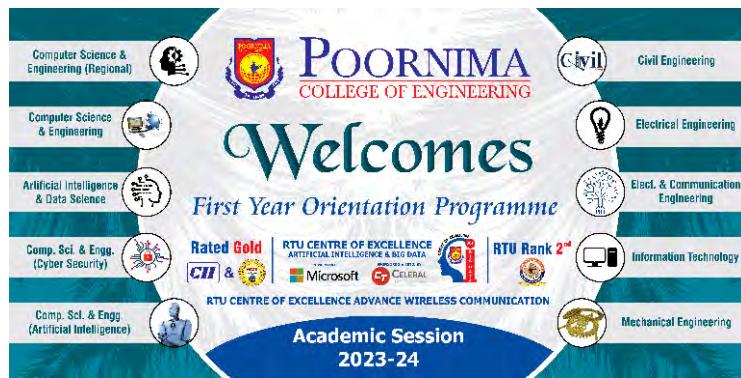


About Induction Programme

Orientation Program for the batch of 2022-23 was held from 31st October to 19th November, 2022 which had the learning outcomes as Integrate knowledge of engineering fundamentals (Remembering). Expressing the importance of working safely (Understanding). Examining the product of the plant interfaced to the world (Apply) Provides opportunities to plan organize and engage in active learning experiences both inside and outside the classroom (Analyse)

Description of the Event

The Orientation Program of 2022 with the name of “PehlaKadam” is for the newly admitted students of B. Tech. First year and was initiated on October 31, 2022 in ‘Arbuda Convection Centre’. The session started with a heart-warming attitude to welcome the new members of Poornima Group of Colleges. Followed by the ‘Tilak Ceremony’ by students onwards 2nd year, an interactive session was conducted by Kuldeep Sharma and Sarveen Kaur Sachdeva which proceeded with different game activity 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. On 9th November, 2022 the inaugural ceremony of ‘Pehla Kadam’ was organized at Poornima College of Engineering, Jaipur by Department of I year in collaboration with Student Council PCE. The Inaugural Ceremony was graced by Prof. S. K. Singh, Vice Chancellor, Rajasthan Technical University, Kota as the Chief Guest. Dr. Mahesh M. Bundele, Director & Principal, PCE, Ar. Rahul Singhi, Director, Poornima Group, Dr. Rekha Nair, Dean (Academics), I year were also there to motivate students with their benign presence. The programme started with Ganesh Vandana, followed by the felicitation of the chief guest by Dr. Mahesh Bundele (Director & Principal, Poornima College of Engineering) and Ar. Rahul Singhi, Director, Poornima Group. Happy faces and cheerful life at Poornima were shown through a short documentary. An overview of the programme was delivered by Dr. Rekha Nair, Dean (Academics), I year. She provided a deep insight into the orientation and highlighted the importance of these first steps into professional life which would be proved as milestone in their journey. Thereafter, a welcome address was delivered by Dr. Mahesh M. Bundele, Director & Principal, PCE. He welcomed the chief guest, dignitaries, faculty members & staff and most importantly the new students. He insisted that the orientation program is envisaged to help students transition into their new academic environment & role and align expectation to the values that Poornima upholds as an educational institution. The Chief Guest Prof. S. K. Singh while highlighting NEP talked about Choice Based Credit System. He threw some light on the scope and importance of conventional branches like ME, EE, EC and Civil. He motivated the students to participate in curricular and co-curricular activities for overall personality development and asked them to be an entrepreneur rather than job seeker. He emphasised on the role of an engineer in the development of society and nation and insisted on ethical values to be a good human being and good citizen. At last, he congratulated the Iyr students for being admitted in top notch engineering institution of Rajasthan and wished them great success in their future endeavours. At the end, vote of thanks was proposed by Dr. Ratnesh Sharma, Dy. Head (Academics), I year, PCE. The activities under the Induction program in which the students were fully engaged throughout the day for the entire duration of the program, included: Physical Activity: This involved physical activity with games and sports. Creative Arts: Every student chose one skill related to the arts whether visual arts or performing arts, like painting, music, dance, poetry etc. Mentoring and Universal Human Values: Mentoring and connecting the students with





faculty members is the most important part of student induction. Familiarization with College, Department/Branch: The incoming students were told about the credit and grading system, and about the examinations. Literary Activity: Literary activity would encompass reading a book, writing a summary, debating, enacting a play etc. Proficiency Modules: The induction program period was used to overcome some critical lacunas that students might have, for example, English, computer familiarity etc. Lectures & Workshops by Eminent People: Lectures by eminent people were organized that would give the students exposure to people who were eminent, in industry or engineering, in social service, or in public life. Visits in Local Area: A couple of visits to the local landmarks including historical monuments were organized. This familiarized the students with the area, together with bonding with each other. Council session: Students attended a council session organized by the student council PCE itself. Mr. Jeevesh Kishore Sharma, the Students' council chair, presented a humorous greeting to the gathering, detailing the student council's responsibilities and status in the college. The students were introduced to the various clubs that comprise the student council. Each club's captain gave a brief introduction to their respective clubs as well as discussed the forthcoming activities and events. The Zircon Club, Hayagriva Racing Club, and Udaan Aero-Modelling Club, Helping Hands Club, Wise Club, Google Developer Student Club, Coding Club, Geeks for Geeks Club, Literary Club, Joshiley Drama Club and Desi Kalakaar Club, conducted their introductory sessions. The new students were introduced to the extra-curricular activities at the college. They were shown the facilities and informed about activities related to different clubs etc. Students of First Year gave an impression of being groomed and aspired to by managing and coordinating all the activities. The 3 Weeks Student Induction Programme (Pehla Kadam) featured its Closing Ceremony on 19th Nov 2022. On day 21 the orientation program had come full circle and it was the time for the Freshers batch to celebrate this auspicious occasion of the new stage of their lives. This day was celebrated with utmost enthusiasm and zeal. Students came together and joyfully performed on this day. The whole auditorium was filled with immense cheers and excitement. The event was fired up by the reveal of a very conquering and wholesome documentary presented by the "SOCIAL NOISE TEAM" about the memories created in the 21 days of orientation program. This sparked a fiery motion among the students who were present in the Auditorium. Further, the creative performances picked up the pace and delighted the audience with immense awe. "JOSHILEY DRAMA CLUB" demonstrated the talent and sheer skills of the students by its heart touching performance. The programme concluded with an award ceremony for all the deserving winners. The awards distribution for the dance performances was done by Dr. Sarveen kaur Sachdeva, Dr. Kuldeep Sharma & Ashutosh Upadhyay. Following this there was a certificate distribution for face of induction. From each section there was one Student who got this certificate. These certificates were given by Dr. Meena Tekriwal. After this Volunteers' Certificate distribution was done by Dr. Rekha Nair, Dean Academics First year PCE. At last Dr. Kuldeep Sharma appreciated all the members of student Council for conducting this induction programme successfully. Then there was a vote of Mr. Jeevesh Kishore Sharma, Chair Student council PCE. The students learnt about the institutional policies, processes, practices, culture and values, and their mentor groups are formed as per AICTE guidelines. There were various activities in the Induction programme and each of them delivered a unique learning experience. The Closing Ceremony provided a platform to put the learning experience to use. All the students were encouraged to participate and put forth their talents in their respective fields. Since the programme was organized and managed by the 1st year students on their own, it was helpful in their holistic development, building leadership skills, boosting their confidence and improving communication skills - all necessary in the modern world today.







AADHAR- XI

AADHAR, now in its eleventh edition, has seen tremendous development in terms of participation and technical improvements. It is organized by the ZIRCON club, which was founded in 2009 at Poornima College of Engineering with the aim of advancing students' practical knowledge. "Strive for excellence and success will follow" This sentence accurately captures the purpose of the event and the club as well as the values that it aims to install in students. On numerous occasions, the engineering students from Poornima College of Engineering have shown their prowess as models of brilliance, inventiveness, and collaboration. The annual event, AADHAR, is a cutting-edge technical event that showcases the latest advancements and innovations in the field of technology. It encourages first-year students to push themselves and extend their perspectives. After enrolling in college, a student's first technical exposure is with AADHAR with its primary focus to THINK, BUILD and INNOVATE. This year's main attractions of this technical fest were Robo war, Robot-Soccer, Machine O Mania, R C Car, Circuitry, Software Live projects, Line follower, Cosmo Clench, Boat Rush etc. Total 598 students participated in the event. The inaugural session of AADHAR- XI took place on April 28, 2023 at CG-05, seminar hall PCE. Event Coordinators Prashant Verma and Saumya Gupta gave the brief about the event. The Chief guest of the event Ms. Jyoti Luhadiya, Executive Director, Rajeev Gandhi Centre of Advanced Technology and Technical Director, DoIT & C, Jaipur along with Ar. Rahul Singhi, Director (Poornima Group), Dr. Mahesh Bundele, (Principal & Director, Poornima College of Engineering), Dr. Pankaj Dhemla (Vice Principal, Poornima College of Engineering), Dr. Rekha Nair (Dean, I Yr, Poornima College of Engineering), Mr. Amit Gupta, Chief Proctor, Dr. Ratnesh Sharma (Dy. HoD, I Year), Aayush Sharma and Nimai Joshi (President & Vice-president, Zircon Club), Jeevesh Sharma, Chair Students' Council inaugurated the event. The chief guest, In her address highlighted different opportunities in the field of Information Technology & Research provided by the Govt. of Rajasthan and motivated students to avail those to keep themselves abreast with the advancement of technology. She inaugurated and appreciated the projects made and exhibited by the students of PCE. Ar. Rahul Singhi, Director (Poornima Group) in his address highlighted the needs of hands-on practice in the field of science & technology and praised these kinds of events in providing platform to the budding engineers for innovation. Dr. Mahesh Bundele, (Principal & Director, Poornima College of Engineering) wished the participants for their efforts and added the need to become tech-savvy as it is the need of the hour. The magazine of AADHAR- XI was released on the occasion and the students who have significantly contributed were felicitated. Some external evaluators were also invited for the competition and cash prize of INR 50,000 were awarded to the winners. At the end, vote of thanks was proposed by Akshat Jain, Event Coordinator AADHAR XI 2023.

The event was conducted into 2 categories where the students made their projects under the Software and Hardware category. Software Projects were divided into 3 categories where students presented their skills in Productive Software, Information Management System and Gaming & Web Designing. Hardware projects were made under categories like Cosmo Clench, Circuitry, Robo-Race, Robo War, Machine O Mania and Robo-soccer. Total 588 students from different-different streams participated in the above events.





TECHNOVATION

Technical Paper and Model Contests -2022 provided a stimulating environment for researchers, scientists, engineers, educators, industrialists and students from all over the world to discuss and present their research findings in the interest of society and the nation. The Technical Paper and Model Contests covered major areas of research in Mechanical, Civil Applied Science, Electrical, Electronics and Computer Engineering. Technical sponsor of the Technical Paper and Model Contests -2022 was IEEE Delhi Section and supported by IEEE Rajasthan Subsection and Technically Co-sponsored by ISLE, IGI, STM and Poornima University IEEE Student Branch Chapters.

In Technical Paper and Model Contests -2022, Conference management toolkit system was utilized to cater the enthusiastic response making it to around 403 received manuscripts and projects across countries. All the registered papers and projects are accepted for the contest. Bachelor, Master & Doctoral scholars and professional attended all these scions including registered participants and local attendees.



FACULTY FELICITATION

Faculty felicitation is a significant occasion within the academic community, where we come together to express our deep appreciation and gratitude for the unwavering commitment and exceptional contributions of our educators and mentors. These remarkable individuals are the bedrock of our educational institutions, dedicating their time, energy, and expertise to nurturing the minds of our students. Faculty members play a pivotal role in shaping the future, as they impart not just knowledge from textbooks but also instil values, critical thinking skills, and a thirst for lifelong learning. Each year Poornima College of Engineering salutes and aspires these real heroes for sharing their contribution in making the Institution proud.





FACULTY ACHIEVEMENTS

- **Dr. Shuchi Dave** published “ Prototype Construction of the Wearable Electronic Jewellery for Women Protection” under “Mathematical Statistician and Engineering Applications”
- **Mr. Manoj Sharma** published “ A Review of Circular Economy in Manufacturing Sector” under “NeuroQuantology”
- **Dr. Nikita Gautam** published “Comparative study of Wearable Devices for Detection, Diagnosis and Rehabilitation of carpal Tunnel Syndrome” under “NeuroQuantology”
- Dr. Meena Tekriwal published “VISCOMETRIC STUDY OF SYNTHESIZED DILTAZEM-VANADIUM (V) COMPLEX IN NON-AQUEOUS SOLVENTS” under “International Journal of Pharmaceutical Sciences and Research”
- **Mr. Ratnesh Kumar Sharma** published “Investigation of solid particle erosion behaviour of Fe-Cr alloy coating” under “Int. J. Surface Science and Engineering”
- **Dr. Nikita Gautam** published “CARPAL TUNNEL SYNDROME DETECTION USING DEEP LEARNING FOR WRONG POSE ESTIMATION ON KEYBOARD OR MOUSE” under “European Chemical Bulletin”
- **Dr. Devendra Kumar Somwanshi** published “Analysis of Multi-Storey Building based on Different Shear Wall Locations” under “European Chemical Bulletin”
- **Dr. Bhagirath Singh Chauhan** completed NPTEL certification in “Problem Solving Through Programming in C”
- **Mr. Amarjeet Bharti** completed NPTEL certification in “Basic Calculus - 1” and “Integral and Vector Calculus”
- **Dr. Meena Tekriwal** completed NPTEL certification in “Biochemistry”



STUDENT ACHIEVEMENTS

- **Aayush Sharma** completed NPTEL certification under “Problem solving through programming in C” and “The joy of computing using Python”
- **Abhishek Sharma** completed DEVTOWN certification under “Web Development - Javascript and Node JS”
- **Deepak Saini** completed NPTEL certification under “Soft Skill Development”
- **Kartik Verma** completed NPTEL certification under “Python for Data Science”
- **Pratham Rastogi** completed LINKEDIN LEARNING certification under “Excel Online”
- **Ragini Kumari** completed NPTEL certification under “Problem solving through programming in C”
- **Rahul Kumawat** completed CODE ALPHA and INTERNSHALA certification under “Web Development” and “Internshala Student Partner”
- **Rakshita Jain** completed GOOGLE certification under “The fundamental of Digital Marketing”
- **Riju** completed NPTEL certification under “Problem solving through programming in C”
- **Rezal Rana** completed NPTEL certification under “Problem solving through programming in C”
- **Tanush Mahirch Andani** completed NPTEL certification under “Question solving through programming in C”
- **Tushar Gupta** completed COURSERA certification under “Introduction to Front End Development”
- **Utkarsh Jangid** completed GREAT LEARNING certification under “Advance Cyber Security”
- **Yaman Saini** completed GOOGLE certification under “Frontend Development”
- **Yuvraj Singh** completed NPTEL certification under “Programming in C”



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

Computer Engineering combines the academic disciplines of electronics engineering and computer sciences which helps our engineering graduates to combine their understanding of computer hardware and software to innovate the stream. Computer engineering programmes prepare graduates for highly valued, sky-high careers in design, development, research and testing of various hardware and software.

The department focuses not only on the theoretical aspects but emphasize the overall development of the students. It conducts various co-curricular activities such as informative workshops and industrial visits to companies. It makes the student industry ready with all practical exposure, expert talks on new technologies, technical events like coding competition, hackathon, etc. We believe such activities help them to meet the demands of Industry or existing market.

MESSAGE FROM HEAD OF DEPARTMENT

Welcome to the Department of Computer Engineering. The Department seeks to combine excellence in education with service to the industry. Our vision is to be recognized as an innovative and leading CE Department. Our goal is to provide students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs. In our department students are nurtured to become best software professionals as Project Managers, System Analysts or Team leaders in Industry or become Entrepreneurs in their own innovative way. I am sure in times to come; many students from our department will make indelible marks nationally and internationally in the field of Information Technology and make us proud. We hold firm belief in our ability to succeed, and we nurture an attitude of self-reliance, confidence, commitment and responsibility to the motherland that we are to serve. I am confident that the students of the department would justify the credibility of the department by showing a high level of professional competence in their respective field. I wish Best of Luck to all of them...!!



“Jai Jai Poornima Sansthan”

Dr. Nikita Lain



ACTIVITIES HELD IN THE DEPARTMENT

Teacher's Day, September 5, 2022

"On Teachers' Day, we are not only celebrating every teacher. We are calling on countries to invest in them and prioritize them in global education recovery efforts so that every learner has access to a qualified and supported teacher. Let's stand with our teachers!" In India, Teachers' Day is celebrated annually on September 5 to mark the birthday of the country's former President, scholar, philosopher and Bharat Ratna awardee, Dr Sarvepalli Radhakrishnan, who was born on this day in 1888. When Dr Radhakrishnan took the office of the second President of India in 1962, his students approached him to seek permission to celebrate September 5 as a special day. Dr Radhakrishnan instead made a request of them to observe September 5 as Teachers' Day, to recognise the contribution of teachers to the society.



Engineer's Day, September 15, 2022

National Engineer's Day is observed every year on September 15 on the birth anniversary of the legendary engineer Mokshagundam Visvesvaraya. The day is observed every year to pay tribute to Visvesvaraya and also to commemorate the contributions of the engineers to the nation. The day sees various government and private stakeholders organising events to celebrate the work of engineers in the country. The various ministries of the government hold workshop, seminars, lectures and events for honouring engineers. While the theme for this year's celebration hasn't been decided yet, the theme for National Engineer's Day 2022 was 'Engineering for A Healthy Planet- Celebrating the UNESCO Engineering Report'



Workshop on Ethical Hacking and Cyber Security, September 15

This workshop will be beneficial for students in following ways: Firstly, the workshop gives a student an insight of Ethical Hacking i.e Fundamental of Ethical Hacking and Information Gathering. This workshop surely is the place to be at to get the first-hand experience of working on high end projects. It also covers Hands-on sessions along with Theory sessions step by step. Department of Computer Engineering, Poornima College of Engineering, Jaipur organized a workshop on "Ethical Hacking and Cyber Security" for their Second year Students on the occasion of Engineers Day 15 September 2022. The workshop started with the welcome of the expert Mr. Yogesh Rao and Mr. Gaurav Soni from Director and Principal Prof. (Dr.) Mahesh M. Bundele



Mr. Vinayak Rao
Trainer/Researcher
Poornima College of Engineering

Ethical Hacking
Cyber Security

- Introduction of Ethical Hacking
- Penetration Testing
- Introduction of Cyber Security
- Malware Analysis
- Network Penetration
- Exploit Development
- Advanced Exploit Development
- Advanced Network Penetration
- Cloud Computing
- Blockchain
- Machine Learning
- Artificial Intelligence
- Computer Forensics
- Reverse Engineering
- Mobile Application Penetration
- IoT Penetration
- Blockchain
- Cloud Computing
- Machine Learning
- Artificial Intelligence
- Computer Forensics
- Reverse Engineering
- Mobile Application Penetration
- IoT Penetration



Hands-on session On Python Programming, September 21

The Department of Computer Engineering, Poornima College of Engineering, Jaipur organized a Hands on Session On “Python Programming” Sep 21, 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 reconnoitre and worth all the features available with the software in their day-to-day work environment.

POORNIMA
COLLEGE OF ENGINEERING

Hands-on Session
on
Python Programming

Wednesday, Sep 21, 2022 ⌚ 09:00 AM to 11:00 AM

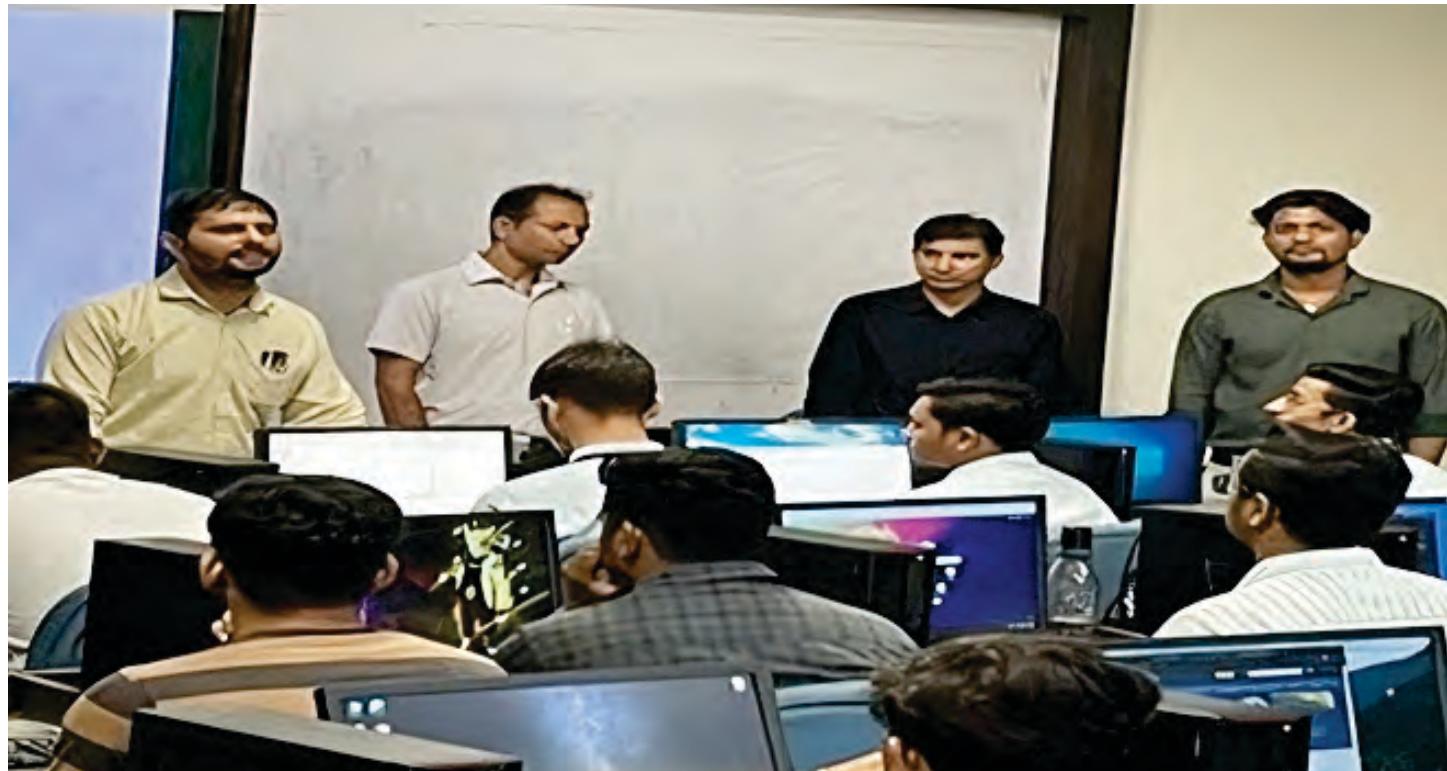
Mr. Gajendra Badra
Head, Training and Development Department
Cademate Training and Technical Services
(opc) Pvt. Ltd.

ORGANIZED BY
Department of Computer Engineering
Venue: AI Lab, Centre of Excellence

Coordinators
Mr. Manish Dubey
Assistant Professor & Deputy Head
Department of Computer Engineering
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Mr. Manish Choubisla
Assistant Professor
Department of Computer Engineering
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RSVP
Prof. (Dr.) Surendra Kumar Yadav
Professor & Head Department of Computer Engineering





FACULTY ACHIEVEMENTS

- **Mrs. Sonam Gour** published “Octagonal Shaped Annular Ring Pattern Reconfigurable Antenna Designs for Cognitive Radio Application” under “WSEAS TRANSACTIONS on COMMUNICATIONS DOI: 10.37394/23204.2022.21.17 ISSN: 2224-2864”, “The Convergence of IoT with Virtual Reality and Telepresence” under “STM JOURNALS Journal of Advancements in Robotics”, “Health Care System Analysis Using Different Datasets” under “International Journal of Distributed Computing and Technology”, “ANALYZING PERFORMANCE OF MICROSTRIP PATCH ANTENNA FOR DETECTING THE TUMOR IN THE HUMAN BODY” under “Telecommunication & RadioEngineering, 81(10), 37-51,2022” and “Plant disease detection” under “STM JOURNALS”
- **Dr. Abhishek Sharma** published “A Web-based Bug Tracking System to Find and Resolve Bugs” under “STM Journals Journal of Open Source Developments”
- **Dr Kamlesh Gautam** published “Temperature Measurement Using Fiber Bragg Grating Sensor for Industrial Applications” under “International Journal of Current Research in Embedded System & VLSI Technology”, “INFLUENCING FACTORS REGARDING CYBER SECURITY PRACTICES” and “Analysis for Newly Developed Hybrid Software Development Model” under “Accents Transactions on Information Security”, “Vehicular Communication Strategy Using Machine Learning and Image Processing to Enhance Observations and Control on the Road Side Area” under “Proceedings of 3rd International Conference on Recent Trends in MachineLearning, IoT, Smart Cities and Applications. LectureNotes in Networks and Systems, vol 540. Springer,Singapore” and “Face Detection and Recognition for Patient” under “STM JOURNALS”
- **Ms. Harshita Virwani** published “INFLUENCING FACTORS REGARDING CYBER SECURITY PRACTICES” under “Accents Transactions on Information Security”, “Comparative analysis for the prediction of various lungs diseases through chest x-ray images” under “AIP Conference Proceedings 2760, 020004” and “Shortest and Fastest Route for Ambulance Identified by Less Congestion on the Road” under “International Journal of Wireless Network Security Vol 8, No 2 (2022)”
- **Dr. Nikita Jain** published “Face Detection and Recognition for Patient” under “STM JOURNALS”, “Development of Intensity-based Segmentation Technique for Meningioma Tumor Detection in MRI Images” under “STM JOURNALS-Research & Reviews: Journal of Computational Biology”, “Content and Origin-based Spam Detection Techniques” under “Accents Transactions on Information Security” and “Analysis of Medical Images using Machine Learning Techniques” under “Graph Learning and Network Science for Natural Language Processing”
- **Mrs. Geeta Tiwari** published “Interventive Educational System: Participation of Artificial Neural Network” under “ACM Journals”, “Utilizing Machine Learning to recognize faces: A Review” under “STM Journals : a journal of image processing & Pattern Recognition Progress”, “Text Recognition System; A Review” under “STM Journals: A journal of web Engineering & Technology”
- **Ms. Neetu Joshi** published “Song Recommendation System Based on Data Science Technology: A Review” under “STM Journals: International Journal of Data Structures”
- **Mr. Manish Dubey** published “Face Detection and Recognition for Patient” under “STM JOURNALS”, “Analyzing the Best Framework for Web Development” under “Recent Trends in Parallel Computing”, “System Infringement Challenges in Smart Cities” under “International Journal of Software Computing and Testing”, “Data Breaches and Malware Detection in Healthcare System” under “Journal of Advanced Database Management & Systems”, “Comparative analysis for the prediction of various lungs diseases through chest x-ray images” under “AIP Conference Proceedings 2760, 020004” and “Node MCU-based Obstacle Avoiding Car” under “Journal of Mobile Computing, Communications & Mobile Networks”



- **Mr. Suchit Bhai Patel** published “A Deep Learning Framework to Remove the Off- Focused Voxels from the 3D Photons Starved Depth Images” under “Patel, S.; Doddha, V.C.; Sheridan, J.T.; Muniraj, I. A Deep Learning Framework to Remove the Off-Focused Voxels from the 3D Photons Starved Depth Images”
- **Dr. Veena Yadav** published “Efficient Entity Resolution for Bibliographic data using Map Reduce” under “Advanced Informatics for Computing Research. ICAICR 2021. Communications in Computer and Information Science, vol 1575. Springer, Cham.” and “Identification of Dysgraphia: A Comparative Review” under “Emerging Technologies in Computer Engineering: Cognitive Computing and Intelligent IoT. ICETCE 2022. Communications in Computer and Information Science, vol 1591. Springer, Cham.”
- **Dr. Kamlesh Gautam, Dr. Surender Kumar Yadav, Mr. Manish Dubey, Mr. Manish Choubisa, Dr. Nikita Jain, Ms. Harshita Virwani** registered and published a patent titled as “A SYSTEM TO PERFORM VEHICULAR COMMUNICATION”
- **Mr. Manish Choubisa, Mr. Manish Dubey, Dr. Surendra Kumar Yadav, Dr. Kamlesh Gautam, Dr. Gajendra Singh Rajawat** registered and published a patent titled as “A SECURE AND TRUSTED AUTHORIZATION FORTIFIED MEAL DELIVERY BOX WITH ADJUSTABLE SIZE”

STUDENT ACHIEVEMENTS



IV Sem 2021-2025 Batch students Mitushi Yadav, Megh Shah and Arun Joseph (team 'Web3 wizards') won the first runner up position in the National level hackathon, Reckon 4.0, held at JIET, Jodhpur with a beautiful trophy and cash prize of Rs. 50,000.

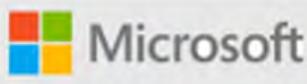


IV Sem 2021-2025 Batch students Mithshi Yadav, Megh Shah and Arun Joseph (team 'Parksphere') won the first position in the Startup Expo held at SKIT Jaipur with a beautiful trophy and cash prize of Rs. 10,000.



VIII Sem students Simran and Tanisha secured AIR 4 and INR 60,000 prize money in Telangana academic grand Challenge on Climate Change. Short Brief about the event- Finale was held in Hyderabad in March 2023, where they pitched their startup idea in front of Capgemini and Nasscom leaders, and grabbed Fourth position out of 10 teams .They received a seed funding of INR 60,000 for their startup





Microsoft Certification



Kunal Upadhyay



Parthivi Thakore



Aman Pandey



Khushi Agrawal



Sejal Jain



Manasvi Joshi



Kunal Lal Pawa



Manvendra Chaturvedi



Dakshita Sharma



Aish Joshi



Vanshika Parihar



Mahak Jain Hingar



Garima Jain



Divyansh Agrawal



Piyush Choudhary



Tanu Agrawal



Poorvi Goyal



Shrishti Agrawal



Somya Gupta



Jasmine Chilla





Microsoft *Microsoft Certification* Azure



Nitish Kumar Gupta



Raghav Malhotra



Nikita Kumari



Tripti Soman



Yash Vardhan Singh



Sharma Chetan



Ayush Naruka



Arun Joseph



Nikita Agrawal



Gayatri Rupchandani



Shitanshu Goyal



Chandan Jangir



Divyanshi Rathore



Bharti Gupta



Kuldeep Vaishnav



Manisha Malpani



Prabin



Bhupesh



Ashish Kumar Prajapati



Yash Tripathi





Student Achievements



NPTEL Certification



Yukti Choudhary
(24 credits)



Aish Joshi
(24 credits)



Anushka Sharma
(23 credits)



Deepesh Totla
(25 credits)



Himanshu Singh
(23 credits)



Khushbu Pareek
(23 credits)



Kushagra Agrawal
(22 credits)



Ridhi Kulshrestha
(23 credits)



Rishi Goyal
(23 credits)



Anushka Sharma
(20 credits)



Kuldeep Vaishnav
(23 credits)



Sahil Gupta
(20 credits)



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VISION

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

MISSION

- To equip the students with strong foundations to enable them for continuing education in the field of Electronics and Communication Engineering.
- 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.





MESSAGE FROM HEAD OF DEPARTMENT

Welcome to the Department of Electronics and Communication Engineering at Poornima College of Engineering, Jaipur. The Department was established in 2003 with the vision of providing leadership in the field of Electronics & Communication Engineering. We strive to train and empower our students who will make the world a better place by using value-based knowledge in the field of Electronics & Communication Engineering. Our department is NBA accredited and has a Centre of Excellence of "Advance Wireless Communication" under RTU, Kota. 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. The Department faculties are committed to teaching our students the fundamental concepts and the latest trends via smart teaching and learning process. The students are also taught critical thinking and problem-solving skills as they accommodate their future with confidence. In addition to classroom teaching, the students are guided and motivated to practically implement the principles learned in classrooms through experimentations in the laboratories and through innovation centres.



The Department of Electronics and Communication Engineering provides students with a sound foundation in the mathematical, scientific, and engineering fundamentals necessary to formulate, solve and analyse engineering problems and to prepare them for higher studies as well as research. We promote student awareness of life-long learning and introduce them to professional ethics and codes. Students are placed for training in the industry as per the curriculum of Rajasthan Technical University Kota. The student learns industrial practices and professional ethics. For the overall development of the student, the Department is associated with memberships of professional bodies such as IEEE, IETE, and IET. We conduct various activities in these chapters to provide knowledge to our students and staff. Students have taken part in various competitions and won prizes. Students bagged prizes in academics as well as in co-curricular activities. 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 way. Students, as well as visitors, find them very friendly, amicable, and highly intelligent!

Dr. Garima Mathur

MULTIFARIOUS ACTIVITIES

HINDI DIWAS (14 September 2022)

Hindi Diwas is celebrated every year on 14 September. This day holds special significance historically as it was on this day in the year 1949 that the Constituent Assembly accepted Hindi as an official language. This date was chosen by Jawaharlal Nehru, the first Prime Minister of independent India. As scheduled, a poetry speech was organized by the Department of Electronics & Communication Engineering of Poornima College of Engineering on Wednesday, September 14, 2022, on the Contribution of Hindi to technology. The participants were all EC 2nd year students of Poornima College of Engineering. The event started at 11:00 a.m. and students were enthusiastic. Dr. Mahesh Bundele, Director PCE, Dr. Pankaj Dhemla, Vice-Principal & Dr. Garima Mathur HOD, EC Deptt, and other faculty members of the EC Department were also present to motivate the students. Dr. Mahesh Bundele motivated the students with their words of wisdom and appreciated the volunteers for their initiative.



ENGINEER'S DAY, September 15, 2022

Hindi Diwas is celebrated every year on 14 September. This day holds special significance historically as it was on this day in the year 1949 that the Constituent Assembly accepted Hindi as an official language. This date was chosen by Jawaharlal Nehru, the first Prime Minister of independent India. As scheduled, a poetry speech was organized by the Department of Electronics & Communication Engineering of Poornima College of Engineering on Wednesday, September 14, 2022, on the Contribution of Hindi to technology. The participants were all EC 2nd year students of Poornima College of Engineering. The event started at 11:00 a.m. and students were enthusiastic. Dr. Mahesh Bundele, Director PCE, Dr. Pankaj Dhemla, Vice-Principal & Dr. Garima Mathur HOD, EC Deptt, and other faculty members of the EC Department were also present to motivate the students. Dr. Mahesh Bundele motivated the students with their words of wisdom and appreciated the volunteers for their initiative.

INDIA'S FIRST ENGINEER : The first engineer in India was a man by the name of Mokshagundam Visvesvaraya. Every year, on September 15, India honors engineers by commemorating this man's birthday as Engineer's Day. Sir Mokshagundam Vishweshwaraiah was an Indian civil engineer, statesman, and the 19th Diwan of Mysore. He held this position from 1912 until 1919. He is commonly referred to by his initials, MV.

Robotics, Intelligence and Communication

Engineer's Day



- Documentary Competition
- Poster Competition



Thursday, Sept 15, 2022 at 2 to 4 pm

Venue:- CT-05, Seminar Hall

Organised by:- Poornima College of Engineering
Department of Electronics and Communication Engineering

Faculty Coordinator:- Dr. Payal Bansal

Student Coordinator:- Kashmi Choudhary, Abhay Khandelwal





Teacher's Day, 05 September 2022

Teacher's Day is a special day for the appreciation of teachers, and may include celebrations to honor them for their special contributions in a particular field area, or the community tone in education. Various awards are also presented to honor the contribution of teachers in various filed.

Some students also expressed their gratitude towards the teachers by giving short speeches. Students performed cultural activities like dance, songs poems, dramas, etc. on this special occasion.

Thus, the entire celebration paved a new hope for teachers to rejoice the journey as a teacher. The crux of the programme was

'Celebrating Teachers on the Teacher's Day...'



RASHTRIYA EKTA DIWAS (NATIONAL UNITY DAY), 31 October 2022

India is a secular country with diversified cultures and significance in their own kind. As an Endeavour to solidify the bond of oneness and unification, the country celebrated the 147th Birth Anniversary of Sardar Vallabhai Patel on 31st October as Rashtriya Ekta Diwas (National Unity Day). The government of India observes this day all over the country as a special occasion to foster and reinforce our dedication to preserving and strengthening the unity, and integrity of our nation.

In line with the celebrations nationwide, Poornima College of Engineering organized "Run for Unity". All the students of the department collected at PCE Main gate at 8:30 AM for "Run for Unity" with the message of Unified Bharat. Dr. Mahesh Bundele, Director, PCE, Dr. Pankaj Dhemla, Vice Principal, PCE, Dr. Garima Mathur, HOD, ECE, and all Faculties of the ECE Dept. also participated to motivate the students. This is followed by the pledge taken by Students & teachers to preserve the unity, integrity, and security of the nation in the spirit of unification of the country. This day provides an opportunity to re-affirm the inherent strength and resilience of our nation to withstand actual and potential threats to the unity, integrity, and security of our Country.





INDUSTRIAL VISITS

- Proven and deep expertise in Dual sensor integration, calibration, image tuning, AI/ML , data modeling , edge computing which helps customers to deliver sophisticated and secure solutions.
- To help face the challenges faced by OEMs and solution providers across a range of Result oriented professionals with capabilities in the latest technologies
- Experience in configuring device-side agents
- Resilient delivery models with a deep focus on agile methodologies
- Frameworks and wrappers for easy and fast development
- Expertise in implementing solutions on public, private, and hybrid cloud



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Department of Electronics & Communication Engineering

STUDENT INDUSTRIAL VISIT
Thursday, November 24, 2022

 **VVDN[®]**
TECHNOLOGIES
Gurugram, Haryana

 **SAVE WATER**

 **SAVE GREENERY**

 **SAVE EARTH**

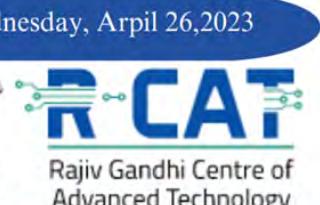
 **INSTITUTION'S INNOVATION COUNCIL**
(Ministry of HRD Initiative)
PIIC, Poornima College of Engineering

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STUDENT INDUSTRIAL VISIT
Wednesday, April 26, 2023

 **R-CAT**
Rajiv Gandhi Centre of
Advanced Technology

 **SAVE WATER**

 **SAVE GREENERY**

 **SAVE EARTH**

 **INSTITUTION'S INNOVATION COUNCIL**
(Ministry of HRD Initiative)
PIIC, Poornima College of Engineering



FACULTY ACHIEVEMENTS

DR. GARIMA MATHUR

- Won MacBook for Best Department Award by Poornima Group on 26th January 2023.
- Certificate of Appreciation on the Occasion of International Women Day for commendable Contribution in the field of Science and Technology by Department of Science and Technology, Government of Rajasthan on 15 March, 2023.
- Certificate of Appreciation as Faculty Coordinator of IETE Student Forum of Poornima College of Engineering for doing commendable participation in IETE Activities on 27 March 2023.
- Keynote Speaker in the IEEE Lecture Series 3 on “Millimeter Wave Communication in 5G” Organized by Department of Electronics, Mangalore University and Mangalore University IEEE Student Branch (MU IEEE SB) on 24th January 2023.
- Won Faculty Incentive Award for Publication, Project, RTU Result and CRISP Scheme on 5th September 2022.
- Completed one NPTEL Course on “Digital System Design” in session January 2023-April 2023.

DR. PAYAL BANSAL

- Elevated to the grade of Senior Member of IEEE on 1st October, 2022.
- Best Paper Award in the category of Artificial Intelligence in “International Conference on Artificial Intelligence: Advances and Applications” on April 23-23, 2022 organized by the Poornima College of Engineering.
- Won Faculty Incentive Award for Publication, Project, Patent & RTU Result on 5th September 2022.
- Delivered a session on Logistic Regression using R software in AAU Gujarat on 25 Sep. 2022.
- Completed two NPTEL Course on “Digital System Design” and “Internet of Things” in session January 2023-April 2023.
- Published a Book entitled on "ARTIFICIAL INTELLIGENCE" Alpha Publication on May 2023.
- Delivered a Invited Talk in Contact Mode for 5 Days Faculty Development Program on " Hardware Requirement for Module Interfacing using Rasberry Pi" organized by SKIT with association of NITTTR Chandigarh.

DR. NITESH MUDGUL

- Completed two NPTEL Course on “Digital System Design” and “Control Engineering” in session January 2023-April 2023.
- Published 6 SCI Paper in High Quality Journal

DR. MEETU NAG

- Keynote Speaker in Five Day FDP on “Recent advancement in Science and Engineering” on topic “Application of MATLAB in the field of Engineering” Organized by Department of Mechanical Engineering, Rajasthan Institute of Engineering and Technology, Jaipur, from 26 -30 December, 2022.
- Coursera Certification on “Electric vehicle and Mobility” on 22 July 2022.
- Won Faculty Incentive Award for Publication, RTU Result on 5th September 2022.
- Completed one NPTEL Course on “Sensors and Actuators” in session January 2023-April 2023.



WORKSHOPS AND SEMINARS

DR. NITESH MUDGAL

- Attended Webinar on “Transition Metal Dichalcogenide/Group-IV Semiconductor Heterojunction Photo Detector for Visible to Infrared Wavelength” on 7-09-2022 at MNIT, Jaipur
- FDP on “Application of MATLAB in power system” from 20-Jan-2023 to 24-Jan -2023 at AIET, Jaipur
- Workshop on “Intellectual Property Commercialization” on 21-Jan-2023 at Turnip Innovations Pvt. Ltd., Kolkata, India
- Workshop on “Recent Trends of Machine Learning Applications in grid Integrated Electric Vehicles” from 31-01-2023 to 04-02- 2023 at SKIT, Jaipur
- Webinar on “Modelling of Optical Networks using Opti wave Software” on 4-02-23 K.C. College of Engineering and Management Studies and Research
- One-week Online FDP on “Industry 4.0 as a Future” from 20-2-2023 to 24-2- 2023 at D. Y. Patil Institute of Engineering Management and Research, Akurdi, Pune
- Webinar on “Application of MATLAB in scientific innovations and Technology on 21-02-,2023 IIMT University, Meerut, U.P

DR. SHUCHI DAVE

- Workshop on TEW on Complex Analysis and Geometry from 12-12-2022 to 17-02-2022 from MNIT, Jaipur.

JYOTSNA JOSHI

- Workshop on” Recent Trends of Machine Learning Applications in grid Integrated Electric Vehicles” One-week Online FDP on “Industry 4.0 as aFuture” from 20-2-2023 to 24-2- 2023 at D. Y. Patil Institute of Engineering Management and Research, Akurdi, Pune.





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 the 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 has its share in the entire Poornima Foundation with the total intake of 210 students. We are providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. The department comprises of 22 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 also organized industrial visits for every student of II, III year during even semester of the current session to 765 GSS Sub Station, Phagi, Jaipur. 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.





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. Department of Electrical Engineering is well equipped with the state of art equipment's 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 Encouragement of research and personal development of student, 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 syllabus of the courses as per the need and requirements of the society/industry standards by informing to 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, 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 setup of 200KW "Solar Power Plant" in operation. "Center of Excellence" in the institute is 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 talk for the exponential development of our Poornima Students. In-order to gain an 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 the part of our Poornima family.

Best wishes,
Dr. Pravin M. Sonwane



ACTIVITIES HELD IN THE DEPARTMENT

An Expert Session on Space and Time Harmonics and its Impacts

Poornima College of Engineering hosted an expert session on August 22, 2022 on "Space and Time Harmonics and its Impacts". The coordinator (Dr.) Pravin Sonwane opened the expert session by stressing the importance of Space and Time Harmonics and introduced the speakers. Dr. Anuprita Mishra who is a keen speaker for Space and Time Harmonics. She delivered the knowledgeable and interesting expert session among the students and faculty members of the department of electrical engineering. In the end vote of thanks was delivered by Dr. Gaurav Jain to conclude the expert session.



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An Expert Session on SPACE AND TIME HARMONICS AND ITS IMPACTS

Organized by:
Department of Electrical Engineering

Monday, August 22, 2022

11:40 AM to 1:30 PM

CT-05, PCE

RSVP:
Dr. Pravin Sonwane
Professor and Head (Academics)

COORDINATOR

Dr. Gaurav Jain
Associate Professor
Email ID: Gaurav.jain@poornima.org
C : +91-9602410960

Teacher's Day Celebrated

Department of Electrical Engineering is celebrating "Teacher's Day" on September 5, 2022 at 08.00 AM - 11.00 AM. All Faculties and students grace the event by presence and active Participation.



Er. Suraj Saini
Center Head, Department Electrical, CADEMATE
Industrial Automation Engineer (7 Yr. Experience)
CADEMATE TRAINING AND TECHNICAL
SERVICES PVT. LTD.

Mr. Sunil Jangid
Industrial Automation Engineer (7 Yr. Experience)
CADEMATE TRAINING AND TECHNICAL
SERVICES PVT. LTD.

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**A Workshop
on
TRAINING ON
INDUSTRIAL AUTOMATION
USING PLC SCADA**

Organized by:
Department of Electrical Engineering

September 06-07, 2022

9.00 AM-11.00 AM

CT-05, PCE

RSVP:
Dr. Pravin Sonwane
Professor and Head (Academics)
Email id: pravin.sonwane@poornima.org
C : 8805868462

COORDINATORS

Mr. Ajit Singh Rajawat
Assistant Professor
C : 7737819353

Dr. Gaurav Jain
Associate Professor
C : 9602410960

POORNIMA
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**An Expert Session on
START UP IDEAS
IN DIGITAL WORLD**

Organized by:
Department of Electrical Engineering

Tuesday, Sept. 13, 2022

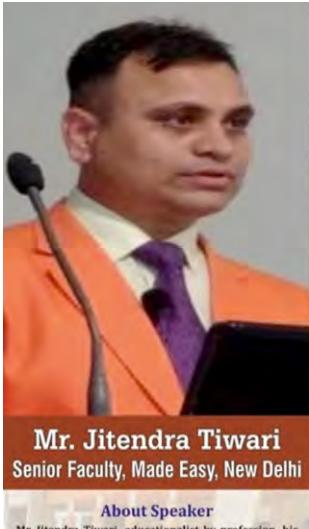
10.00 AM-11.00 AM

CS-05, PCE

RSVP:
Dr. Pravin Sonwane
Professor and Head

COORDINATOR

Mr. Ajit Singh Rajawat
Assistant Professor, EE, PCE
Email ID: ajit.rajawat@poornima.org
C : +91-7737819353



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**An Expert Session on
HOW TO MEMORIZE FASTER
AND RETAIN IT FOR LONGER
DURATION**

Organized by:
Department of Electrical Engineering

Wednesday, March 29, 2023
12.00 PM to 1.00 PM
CG-05, PCE

RSVP:
Dr. Pravin Sonwane
Professor and Head (Academics)
Email ID: pravin.sonwane@poornima.org
○ : +91-8805868462

Mr. Jitendra Tiwari
Senior Faculty, Made Easy, New Delhi

About Speaker

Mr. Jitendra Tiwari, educationally by profession, his name is registered in LIMCA BOOK OF RECORDS for memorizing world's toughest dictionary GRE Barron's words with meanings, words with page numbers & words in a sequence from A to Z and Z to A.

He completed his schooling from Army School. During his graduation he completed NCC 'C' certificate and also represented M.P. at national level in football. He did the mountaineering course at IIMI, Darjeeling, where he was selected Best Trainee of the Course & was awarded GOLD MEDAL.



Mr. Rahul R. Patil
Assistant Engineer
Maharashtra State Electricity
Distribution Company Ltd. (MSEDCL), Nashik

Dr. Pravin Sonwane
Professor and Head, EE, PCE
Email ID: pravin.sonwane@poornima.org
○ : +91-8805868462

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**An Expert Lecture
on
Electrical Accidents
and Safety**

Organized by:
Department of Electrical Engineering

Friday, March 17, 2023
10.00 AM-11.00 AM
AT-05, PCE

RSVP
Mayank Sharma
Asst. Prof. and Dy. Head (Outreach), PCE
Email ID: mayank.s@poornima.org
○ : +91-9413040458

POORNIMA COLLEGE OF ENGINEERING
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**Seminar on
GROWING DEMAND OF IT NETWORKING**

Organized by:
Department of Electrical Engineering

Monday, April 03, 2023
10:00 AM to 11:00 AM

RSVP:
Dr. Pravin Sonwane
Professor and Head, EE, PCE
○ : +91-8805868462
Dr. Pankaj Gakhar
Associate Professor, EE, PCE
○ : +91-7737764255

Aseem Midha
Business Head & Strategy
Ns3techsolutions Pvt. Ltd.





Industrial Visit of 765kv GSS”

On April 5, 2022 for II, III and IV year students at Phagi, Jaipur, Rajasthan to understand objectives and outcomes of Industrial Visits.





FACULTY ACHIEVEMENTS

DR. PRAVIN SONWANE

- “Reserve Power Control for Parallel Connected PV Modules under Partial Shading”, Proceedings of 9th IEEE International Conference of Electrical Energy System ICEES 2023 (23-25 Mar. 2023), SS Nadar College Chennai., Research Paper
- “Sensor Model for 3D Coverage of Electrical Vehicle Surroundings” Proceedings of 1st International Conference on Advanced Mathematics and Artificial Intelligence ICAMAI 2023 (29-30 Mar. 2023), Poornima college of Engineering Jaipur. Research Paper
- “Design, Implementation and Comparative Analysis Section A-Research paper of Various Algorithms For Watermarking” Eur. Chem. Bull. 2023, 12 (S3), 7040 – 7049, DOI: 10.31838/ecb/2023.12.s3.784, Research Paper
- “Controlling a Smart Traffic Light Using Programmable Logic Controller (PLC)” Recent Advances in Engineering, 2023-06-30 | Book chapter
- “NEURAL NETWORK-BASED ESTIMATION FOR GAIT PHASES OF ABOVE KNEE PROSTHESIS, reference number e-1/1513/2023-del, indian patent office, Inventors- dr pravin sonwane, ms. vaishali shirsath, dr. payal bansal, dr. prakash burade,” 2023. Patent. N. 202311001617,
- “A SYSTEM OF DESIGNING A MONITORING AND CONTROL EARTH PIT UNIT, reference number e-1/1513/2023-del, indian patent office, Inventors- dr pravin sonwane, ms. vaishali shirsath, dr. payal bansal,” 2023. Patent .N. 202311001619.

DR. HEMANT KAUSHIK

- “Charging of Electric Vehicle using Solar Energy- A Review”, in the Proc. of Recent Advances in Green Technologies and Sustainable Development. (Accepted for the Publication). , Research Paper
- “Controlling a Smart Traffic Light Using Programmable Logic Controller (PLC)”, in the Proc. of Recent Advances in Engineering - Proceedings of ICRAE 2022, PP 157-164, June-2023., Research Paper
- Participated in the Five Days International Faculty Development Programme (FDP) on “Emerging Trends in AI and Data Science Applications” held from 12/12/2022 to 16/12/2022 at “Poornima College of Engineering, Jaipur”.
- Participated in one week online workshop on “Recent Trends of Machine Learning Applications in Grid Integrated Electrical Vehicles (RTMLGEV-2023)”, organized by Department of Electrical Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur from the 31 Jan- 04 Feb. 2023.
- Attended a one-week online FDP on "Industry 4.0 as a Future", organized by the Department of Mechanical Engg, Civil Engg and Chemical Engineering of Dr. D. Y. Patil Institute of Engineering Management and Research, Akurdi, Pune from 20th February 2023 to 24th February 2023.
- Attended a One-Week International Faculty Development Programme on “Modelling and Simulation of Renewable Energy Systems” held from 25/04/2023 to 29/04/2023 organised by Department of Mechanical Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India.
- Participated in the International Webinar with the title "Power Converters: Component Characterization, System Modeling and Performance Prediction" Organized by Department of Electrical Engineering, IEEE SMC Student Chapter, Malaviya National Institute of Technology, Jaipur AUGUST 29TH, 2022.
- Participated in "Webinar on Modeling of Optical Networks using Optiwave Software" held on 4 of February 2023. Organized by IETE-SF of K.C. College of Engineering and Management Studies and Research.



DR. PANKAJ GAKHAR

- “Power Quality Enhancement in Grid Coupled PV System using GOA-FPA Optimized FO-PO Controller” Proceedings of 1st International Conference on Advanced Mathematics and Artificial Intelligence ICAMAI 2023 (29-30 Mar. 2023), Poornima college of Engineering Jaipur, Research Paper

DR. GAURAV JAIN

- “Power Management & Quality Analysis of Battery Storage Based Renewable Energy Generation System for Utility Bus”, Proceedings of 10th IEEE Power India International Conference- PIICON 2022 (25-27 Dec. 2022), NIT Delhi., Research Paper
- “Short Term Load Forecasting of Urban Electric Load Profiles Using Relevance Vector Machine”, Proceedings of IEEE International Conference on Current Development in Engineering and Technology CCET 2022 (23-24 Dec. 2022), SAGE University Bhopal., Research Paper
- “Robust Control Technique of three Machine Nine Bus System”, Proceedings of 5th IEEE International Conference of Electrical, Computer and Communication Technology ICECCT 2023 (22-24 Feb. 2023), Erode, Tamilnadu., Research Paper
- “Reserve Power Control for Parallel Connected PV Modules under Partial Shading”, Proceedings of 9th IEEE International Conference of Electrical Energy System ICEES 2023 (23-25 Mar. 2023), SS Nadar College Chennai., Research Paper
- “Sensor Model for 3D Coverage of Electrical Vehicle Surroundings” Proceedings of 1st International Conference on Advanced Mathematics and Artificial Intelligence ICAMAI 2023 (29-30 Mar. 2023), Poornima college of Engineering Jaipur., Research Paper
- “MPPT Technique under Partial Shading Conditions: A Review”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), vol.12, no.4, pp.721-728, April 2023. (ISSN 2278-8875 (Online)).DOI: 10.15662/IJAREEIE.2022.1204003 , Research Paper
- Participate in Two-week faculty development program on “Advanced Optimization Techniques and hands-on with MATLAB/SCILAB (AOT 2022)” organized at MNIT Jaipur from 8th -19th Aug 2022. ,
- Participate in Two-week Online faculty development program on “Application of Artificial Intelligence in Engineering” organized at NIT Warangal from 8th -19th Aug 2022.
- Participate in One-week online workshop on “Recent Trends of Machine Learning Applications in Grid Integrated Electric Vehicles” organized at Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur from 31th Jan -04th Feb 2023.
- Participate in One-week Online faculty development program on “Industry 4.0 as a Future” organized at Dr. D Y Patil Institute of Management and Research Pune from 20th -24th Feb 2023.
- Participate in Five Day Online faculty development program on “Smart Grid Enabling Technologies for Sustainable Future (SGTSF-2023)” organized at Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur from 13th -17th Mar 2023.



DR. VIKAS KUMAR SHARMA

- “Scheduling of Hydrothermal and Renewable Energy Systems Using Enhanced PSO Technique” IEEE International Conference on Power, Instrumentation, Energy and Control (PIECON) AMU, Aligarh, U.P., 10-12 February 2023., Research Paper
- “Power System Contingency Analysis Using Improved Computational Techniques” IEEE International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON) 2023, Research Paper
- Participate in One-week online workshop on “Recent Trends of Machine Learning Applications in Grid Integrated Electric Vehicles” organized at Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur from 31th Jan -04th Feb 2023.
- Participate in One-week Online faculty development program on “Industry 4.0 as a Future” organized at Dr. D Y Patil Institute of Management and Research Pune from 20th -24th Feb 2023.
- Participate in Five Day Online faculty development program on “Smart Grid Enabling Technologies for Sustainable Future (SGTSF-2023)” organized at Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur from 13th -17th Mar 2023.

MR. VINEET SHARMA

- Participated in FDP on “Emerging Trends in AI and Data Science Applications” in Poornima College of Engineering, Jaipur from 12/12/2022 to 16/12/2022.
- Participated in FDP on “Application of MATLAB in Power Systems” in Arya Institute of Engineering and Technology, Jaipur from 20/01/2023 to 24/01/2023.
- Participate in One-week online workshop on “Recent Trends of Machine Learning Applications in Grid Integrated Electric Vehicles” organized at Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur from 31th Jan -04th Feb 2023.
- Participate in ATAL workshop on Block chain in MNNIT Allahabad from 06/02/2023 to 17/02/2023.
- Participate in FDP on “Smart Grid: Challenges and Opportunities” in Ashoka Institute of Technology and Management, Varanasi 20/02/2023 to 24/02/2023.
- Participate in AICTE workshop on Raspberry Pi and its Interfacing conducted by NITTTR Chandigarh from 27/02/2023 to 03/03/2023.
- Participate in Industrial Practices on Design, Operations and Safety FDP in Anand International College of Engineering, Jaipur from 14/03/2023 to 18/03/2023.

MR. RACHIT SAXENA

- Participate in One-week online workshop on “Recent Trends of Machine Learning Applications in Grid Integrated Electric Vehicles” organized at Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur from 31th Jan -04th Feb 2023.
- Participate in one-week online faculty development program on “Industry 4.0 as a Future” organized at Dr. D Y Patil Institute of Management and Research Pune from 20th -24th Feb 2023.
- Participate in Five Days hands-on workshop on Embedded Design with ATMEGA AVR Micro Controllers organized at G. Pulla Reddy Engineering College, Kurnool from 13th -18th April 2023.



STUDENT ACHIEVEMENTS

- Yash Kumar Katara, Sunil Meena & Irfan Alam published paper on PV Based Mobile Charger in SHINEEKS Publisher eBooks Journal Publication.
- Kanak Pareek, Harshvardhan Shringi, Harshit Kumar Meharchandani & Ankit Mali published paper on Implementation of Solar Tracker in Electric Vehicle PV Based Mobile Charger in SHINEEKS Publisher eBooks Journal Publication.
- Khushi Verma, Jatin Agarwal, Garvit Khandelwal & Hardik Bhaskar published paper on Solar Wireless Electric Vehicle Charging System in SHINEEKS Publisher eBooks Journal Publication.
- Md Sajid published paper on Automatic Meter Reading System in SHINEEKS Publisher eBooks Journal Publication.
- Mahendra Bairwa, Vishvendra Paliwal, Nidhi Singh Bunker & Mayank Yadav published paper on Renewable Energy Resource Reconfiguration in Distribution Network in SHINEEKS Publisher eBooks Journal Publication.
- Yuvraj Singh, Divyansh Sharma & Hariom Choudhary published paper on Energy Efficiency Using Smart Grid in SHINEEKS Publisher eBooks Journal Publication.
- Anil Kumar, Parveen Singh, Arun Isher & Priya Kanwar published paper on GSM Based Energy Meter Billing With Load Control Using Arduino in SHINEEKS Publisher eBooks Journal Publication.
- Mansi Bardawat & Ayush Gupta published paper on Controlling a Smart Traffic Light Using Programmable Logic Controller (PLC) in SHINEEKS Publisher eBooks Journal Publication.
- Abhishek Dubey, Kanhaiya Lal, Abhishek kumar, Vineet Sharma & Surender kumar published paper on Home Appliances Interface with Arduino Using Solar Energy in SHINEEKS Publisher eBooks Journal Publication.
- Khushi Verma Complete the NPTEL Certification Course on Advance in UHV transmission and Distribution in Jul Sep 2022.
- Khushi Verma Complete the NPTEL Certification Course on Human Resource Development in Jul Oct 2022.
- Khushi Verma Complete the NPTEL Certification Course on Physics on Renewable energy system in Jul Oct 2022.
- Mayank Yadav and Nidhi Bunkar participated in Carnival 2022 Aircraft Technical Event (UUDAN 5) at JECREC University & they got First Position (1st) at 50000 Rs Cash Price.
- Mayank Yadav and Nidhi Bunkar participated in AEROPHELIA 2022 Technical Event (UUDAN 5) at Sahyadri College of Engineering and Management Mangaluru & they got Forth Position.
- Mayank Yadav and Nidhi Bunkar participated RC Plane Technology in Plinth 2023 held at The LNM Institute of Information Technology 27-29 Jan 2023 & they got First Position.
- Mansi Bardawat, Mayank Yadav 4th year Electrical Engineering cleared the GATE exam with good rank.
- Ram Narayan Jat from 2nd Year Electrical Engineering participated in National Gridiron (American Football) Senior Tackle Men's Championship 2022 held at Lovely Professional University, Phagwara, Punjab from 16th – 20th September, 2022 and got winner position.
- Ram Narayan Jat from 2nd Year Electrical Engineering participated in Inter college Chess (Sports) championship at Global Institute of Technology, Jaipur from 12th – 14th December, 2022 and got runner-up position.
- Ram Narayan Jat from 2nd Year Electrical Engineering participated in 1st Pratap Rugby League at MB Ground, Udaipur from 10th – 11th January, 2023 and got runner-up position



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.

MESSAGE FROM HEAD OF DEPARTMENT

It is with immense pride and pleasure that I extend my warmest greetings to all of you on the occasion of the release of our Annual College Magazine “POORNIMA WINNERS”. This magazine stands as a testament to the creative spirit, hard work, and dedication of our students and staff alike.

Academic greatness, extracurricular success, and cherished memories are the threads that are sewn into the tapestry that is our college experience. This magazine captures these instances, preserving them for future generations and illuminating the dynamic culture of our organization.

I would like to express my heartfelt gratitude to the editorial team and contributors who have poured their efforts into curating an engaging and insightful collection of articles, artworks, poems, and more. Your dedication to capturing the essence of our college life shines through these pages.



Let's recall the best events of the last year as we read through the pages of this magazine, from academic achievements and scientific discoveries to the shared experiences and involvement in the community that define our college. This journal serves as a platform to inspire us to dream greater, work more, and reach higher as well as a record of our accomplishments.

I offer my sincere congratulations to every one of our graduates. Your time at our college may be coming to an end, but the experiences and information you've had will serve as your guide when you leave these gates and enter the outside world. May all of your attempts in the future be as exciting and promising as this one.

Let's keep promoting a culture of growth, learning, and respect for one another. May the articles in this magazine encourage us to keep pursuing greatness and having a positive influence on the world.

Once more, congratulations on the publication of our annual college magazine. May it be a symbol of our successes and goals as well as a spur to even greater achievements in the years to come.

With best regards,
Dr. Gajendra Singh Rajawat

ACTIVITY HELD IN DEPARTMENT

Teacher's Day Celebration

5th September 2022

First of all, delivered the information about Dr. Sarvepalli Radhakrishnan to students. After that a quiz was held for the students. Some cultural activities performed by the students. Ms. Anshika Jain (II Yr.) welcomed all faculty members and students and gave an introduction of different activities planned by the department on Teacher's Day. Ms. Purvi Jain (II Yr.) read the teacher's day message which included the significance of teacher's day, why teacher's day is celebrated on 5th September and a brief biography of Dr. Sarvepalli Radha Krishnan. Ms. Anshika Jain, Ms. Purvi Jain (II 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.



Engineer's Day

15th September 2022

On this occasion a session on “Recent Trends in Software development” was arranged which was delivered by Ms. Diksha Gupta (Alumnus 2020 Batch, IT) and Ms. Ritu Jain (Alumnus 2019 Batch, IT). The program was attended by the students of II, III & IV Years.

Details of Activity

Ms. Usha Chouhan (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 Development” was delivered by Mr. Ayush Ms. Diksha Gupta (Alumnus 2020 Batch, IT) and Ms. Ritu Jain (Alumnus 2019 Batch, IT). The outline of the session is as follows.

Some recent trends in software development that were gaining traction

- Low-code and no-code development
- Artificial Intelligence (AI) and Machine Learning (ML)
- DevOps and Automation
- Containerization and Microservices
- Cloud Computing
- Mobile App Development
- Agile and Lean Development
- Security and Privacy



Bharat Ratna Sir M. Visvesvaraya
(1860-1962)

Theme
Smart Engineering for **A** Better World



An Alumni Session on “Various Job profiles in IT sector and benefit from good internships”

Wednesday, Oct. 05, 2022.

Department of Information Technology, PCE organized an alumni session on topic “**Various Job profiles in IT sector and benefit from good internships**” on Oct 05, 2022 for III-year IT students. It was delivered by Mr. Ashish Soni, alumnus 2015 CSE Department, Poornima College of Engineering. The session was attended by 30 students of III Year IT. Dr. Gajendra Singh Rajawat, Head, Department of Information Technology, Poornima College of Engineering, Jaipur welcomed the alumni and all the participants in the session.

The main objective of this session is to get students to understand the various job profiles for IT engineers in the IT sector. Mr. Ashish Soni discussed the following points in his session:

- Shared experience as an engineering student at PCE.
- Discussed about the career options in the IT sector and various job profiles and roles available.
- Asked students to focus on getting good internships as this will make their opportunities in the IT sector more promising as a fresher.
- Motivated students to be active in technical learning like programming and problem solving abilities.



SAP APP GYVER PLATFORM Wednesday, Oct. 05, 2022.

Introduction : A 3-hours session on “SAP App Gyver platform” was organized by Department of Information Technology under the aegis of ‘RTU Centre of Excellence in Artificial Intelligence and Big Data’ on Tuesday, 26th April, 2023 from 12:00 PM to 03:00 PM at RTU COE Labs, PCE.

SAP App Gyver 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 Vijay Kumar 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.

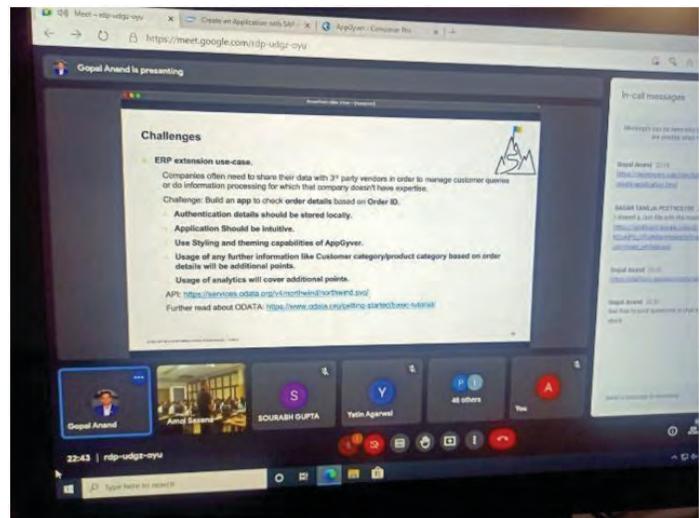
Mr. Gopal Anand : Software Developer with over 5 years’ experience on the SAP Business Technology Platform. Tech Evangelist, Expertise in technologies like Nodejs, UI5, Low Code - No Code platforms and Application runtimes like Cloud Foundry and Kyma.

Mr. Vipin Vijay Kumar : 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 Bundele 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 VijayKumar expert from SAP (joined virtually) and Mr. Amol Saxena HoD-IT & event coordinator. In the beginning of the inaugural session, Mr. Amol Saxena 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 S. Rajawat then invited Dr. Mahesh Bundele to welcome Mr. Rahul Sachdev by presenting a bouquet and memento. Dr. Mahesh Bundele 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.



Seminar on “Cyber Crime Awareness” 7th December, 2022 (Wednesday)

Department of Information Technology organized a 3-Hours Seminar on “Cyber Crime Awareness” on 07th December, 2022 (Wednesday). The seminar was attended by II, III and IV-Year students of the Department of IT. The seminar was attended by approx. 65 students (II Yr-24, III Yr. - 26 and IV Yr. – 15).

Objectives & Introduction : Internet has become one of the integral parts of our daily life. It has transformed the way we communicate, make friends, share updates, play games, and shop. Cyberspace connects us virtually with billions of online users across the globe. With increasing use of cyberspace, cybercrimes are increasing very rapidly. The issue of Cyber Crimes is emerging as a big challenge for law enforcement agencies around the world and India is no exception. So, Information and Cyber Security is the need of the hour. To stay safe in the online world, it is important to follow some cyber safe practices which may help in making our online experience productive.

This seminar was aimed at raising awareness about different aspects of Cyber Crime that one cannot afford to overlook. The session has imparted knowledge and means to prepare everyone for safeguarding from hacking and other cyber-attacks. Also, the program helped to know the network and source of the attack, which enables us to safeguard our data. The objectives of the session are given below.



- An overview of cybercrimes such as electronic commerce crime, economic espionage, and email attacks, SMS, call spoofing, credit card fraud, phishing, remote key logging etc.
- Types of cyber-attacks with case studies
- Provisions in the legal framework to combat Cybercrimes
- Cyber Law from India and International perspective
- Cyber-crime investigation methods like investigating e-mails (read notify), e-mail header analysis, investigating phishing cases and data theft cases etc.



Faculty Achievements

- Dr. Gajendra S. Rajawat, Dr. Kirti Sankhla, Ravi soni, Ankit khandelwal published “Introduction to Database Management system” under “Scientific International Publishing Housing (SIPH)”
- Ms. Harshita Virwani1, Dr. Surendra Kumar Yadav, Mr. Manish Dubey, Dr. Gajendra Singh Rajawat published “Comparative Analysis for the prediction of various lung diseases through chest-xray images” under “2nd International Convention on Green Environment Technology & Entrepreneurship Through Innovation”
- Dr.Nikita Jain, Dr.Gajendra Singh, Dr.Kamlesh Gautam, Dr.Gajanand Gupta published “Sustainable Computing – A New corridor with Green Computing” undere “Recent Advances in Green Technology & sustainable development Tylor and Francis Group”
- Dr. Gajendra Singh Rajawat , Kamal Singh Rao , Meenakshi Sisodia published “Internet of Things-Based Car Wiper and Accident Location Notification” under “International Journal of Scientific Methods in Engineering and Management (IJSMEM)”
- Ms. Maina Changeriwal published “Graphical Password Authentication Using Pass Point and PTC Scheme” under “Operating Systems Development & Trends (STM Journal)



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 fulfil 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 was established in 2004 at Poornima college of Engineering, Jaipur. The curricular, co-curricular and extracurricular activities provide exposure to students and faculty members in the areas of latest developments; therefore, students of the mechanical engineering department are associated with renowned organizations throughout the world. The laboratories of the department are equipped with modern and latest instruments. The department organizes Seminars, national and international conferences, workshops, and symposia in collaboration with well reputed organizations. The department also organizes special lectures in various areas by invited speakers from IITs, foreign universities, and experts from industries. There are no barriers between the students, faculty and department administration which makes us a united community.





MESSAGE FROM HEAD OF DEPARTMENT

The Department of Mechanical Engineering of PCE 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 comprises 14 Faculty Members and 3 Technical Assistants. Faculty members & Students of the Department of Mechanical Engineering are showing impeccable performance in the field of education and Research.



“JAI JAI POORNIMA SANSTHAN, JAI HIND”

Dr. Narayan Lal Jain

ACTIVITIES HELD IN THE DEPARTMENT

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.





Teachers Day Celebration on September 05, 2022.

Department of Mechanical Engineering, Poornima College of Engineering, Jaipur is organizing this program with welcome address of Dr. Narayan Lal Jain, Head of Department, and Mechanical Engineering on the auspicious occasion coordinated by Dr. Surendra Saini. Dr. Narayan Lal Jain told the students about the teacher's day that why we are celebrating the teachers day and he discuss about the contribution of Dr. Radhakrishnan as a teacher for the society. Dr. Narayan Lal Jain include that in 1962, when Dr. Radhakrishnan became the President of India, he was approached with a request of celebrating his birthday. He said, "Instead of celebrating my birthday, it would be my proud privilege if this day is observed as Teachers' Day". This showed his love for the teaching profession. From then onwards, this day is celebrated as Teachers' Day in India. Some of the students, shows the importance of teachers in their life.



Industrial Visit at Universal Auto foundry Ltd. Jaipur on Wednesday, September 28, 2022

Department of Mechanical Engineering Poornima College of Engineering (PCE), Jaipur organized an Industrial visit at Universal Auto foundry Ltd. Jaipur. Company is engaged in the manufacturing of Iron Castings. It manufacture castings components in Grey Iron and S.G. (Ductile) Iron, primarily for automotive sector. Castings are supplied in Machined, Semi Machined and as cast condition with surface treatment as per customer's need. Suspension Brackets, Differential housing, Hubs, Brake drum, Flywheels, Adjuster Nuts, Pulleys, Dampers, etc. are some of the items that find application in the commercial vehicle and engineering industry. The basic purpose of this visit is to make the students acquainted with the concept of casting technology. Thirty Three students of, second year and third year of mechanical branch of Poornima College of Engineering, Jaipur visited the same along with faculty coordinator Dr. Surendra Kumar Saini of Mechanical Department, PCE. On this occasion, Staff of Universal Auto foundry Ltd. Jaipur welcomed the students & faculty members and coordinated the entire visit. Students visited various sections and department i.e. casting and foundry labs respectively.





Toyota Hybrid Awareness Drive on 28th September 2022.

Poornima College of Engineering, Department of Mechanical Engineering has organised “Toyota Hybrid Awareness Drive” on 28th September 2022. Toyota officials, Mr. Sandeep Sharma (Manager- Rajesh Motors-Jaipur), Ms. Isha Arora (Technical Facilitator, Toyota, Gurugram), Dr. Mahesh Bundele (Director- Poornima College of Engineering), Dr. Narayan Lal Jain (HOD, Department of ME, PCE), Coordinator Mr. Sanjay Kumawat & All other faculty Members & Students were present in the session. Speaker & Guest Ms. Isha Arora has explained about the automobile scenario with respect to fuel crisis and upgrading technology of Hybrid & Electric Vehicles. She has also described the working of Hybrid cars. Toyota officials have provided awareness for the use of Hybrid cars to save fuel and reduce CO2 emissions. In the end she gave an overview on a certification course on Electric Vehicles by the Toyota group for student's learnings. Total 55 students have taken the benefits from the session. The session ended with the vote of thanks by Mr. Sanjay Kumawat, Assistant Professor, Department of ME, Poornima College of Engineering, Jaipur.



Alumni Session on “Engineering Efficiently and Effectively” Wednesday, November 23, 2022

Department of Mechanical Engineering, PCE organized an alumni session on topic “Engineering Efficiently and Effectively” on November 23, 2022. It was delivered by Mr. Love Chaturvedi, Tech. Lead, Infosys, Jaipur. Mr. Love Chaturvedi is a Mechanical Engineer from PCE 2015 Batch, currently working in Infosys for last 6.5 years. He has got placement in Infosys.. He has completed his Infosys's Training at Mysore in Middleware stream and got posted to Pune development center of Infosys. He has worked for Northeast Utilities, USA as a Middleware Administrator, followed by Responsibility of assigning appropriate permissions in Active directories and Print servers. After that he got chance to work for Morgan Stanley Smith Barney Bank, USA. He is currently working in Experian One Datalinks track.

Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur welcomed the alumni's and all the participants in session. Mr. Kalpit Jain, Assistant Professor, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur introduced the alumni and spoke about the session. Mr. Pankaj Dhema, Vice Principal, felicitate the Mr. Love Chaturvedi with memento and welcome the alumni. The main objective of this session is to get students with the environment of software industry is beneficial toward the mechanical engineer. Mr. Love Chaturvedi, discuss that the software industry especially AI, an integral part of software industry, needs qualified person in terms of software. Thereafter, Mr. Love Chaturvedi, clarify the concept of software industry in terms of programing, data analytics. After the presentation, students raised the query regarding job profile of software engineers in organization. The session ended with the vote of thanks by Mr. Sanjay Kumawat, Assistant Professor, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur.





A Expert Session on “How to plan for Start-up and legal & Ethical Steps”

Poornima Innovation & Incubation Center (PIIC) & Department of Mechanical Engineering, Jaipur jointly organizing the celebration Session on “How to plan for Start-up and legal & Ethical Steps” in the occasion of “World Creativity & Innovation Day” on April 21, 2023”. Dr. Mahesh Bundele (Director- Poornima College of Engineering), Dr. Narayan Lal Jain (HOD, Department of ME, PCE), Coordinator Dr. MukeshDidwania, Sumit Sharma & All other faculty Members & Students were present in the session. Expert Session on “How to plan for Start-up and legal & Ethical Steps was delivered by Prof. Trilok Kumar Jain. Prof. Trilok Kumar Jain is Professor and Dean in International School of Business Management (ISBM) and Director of Ecosystem for Innovation and Entrepreneurship in Suresh GyanVihar University Jaipur. He started doctoral research on Social Entrepreneurship in 1994 and since then he has been contributing to the field of social innovation and social entrepreneurship. Speaker & Guest Prof. Trilok Kumar Jain has explained the various steps involved to built a start up and the legal steps with Ethics. Total 90 students have taken the benefits from the session. The session ended with the vote of thanks by Dr. Rajkumar Satankar, Department of ME, Poornima College of Engineering, Jaipur.



Faculty Publication

- N.L Jain, Review Study on the Effect of School Bag Design on Biomechanics with Respect to Backpack Straps” in the International Conference on Advances in Engineering and Technology (ICAET2023) organized by K R Pete Krishna Government Engineering College, Krishnarajapet, Karnataka state, India on 12th and 13th April 2023.
- Salifu Tahiru Azeko, Jacob K of Mensah, Emmanuel Kwesi Arthur, Napoleon Abiwu, Moses Kingsford Flomo, Joseph Asiamah Boadu, Philip Yamba, Enoch Asuako Larson, Anthony Akayeti, Raj Kumar Satankar, Ebenezer Annan, “Eco friendly green composites reinforced with recycled polyethylene for engineering applications” Journal of Material Cycles and Waste Management.
- Pallavi Kudal, Amitabh Patnaik, Sunny Dawar, Raj Kumar Satankar& Prince Dawar, Segmentation of OECD countries on the basis of selected global environmental indicators using kmeans non-hierarchical clustering- Environmental Science and Pollution Research.



- Pankaj Dhemla, Prakash Somani, Raj Kumar Satankar, and BL Swami, "Mechanical and Microstructure Properties of Plain and Blended Cement Structural Lightweight Aggregate Concrete Using Sintered Fly Ash Aggregates" in the IOP conference Series: Earth and Environmental Science Proceedings of 1st International Conference on Novel Sustainable Concepts and Technologies in Civil Engineering, September 23-25, 2022, Department of Civil Engineering, SJEC Mangaluru, India
- Vijay Prakash Sharma, Devendra Kumar Somwanshi, Kalpit Jain, and Raj Kumar Satankar, "Optimization of Renewable Energy Resources-A Review" In the Proceedings of Second International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT2022), June 24- 25, 2022, Organized by Poornima College of Engineering, Jaipur, Rajasthan, India.
- Himanshu Rajput, Anil Gupta, Harihar Sah, Manoj Gattani, and Raj Kumar Satankar "Design and Development of the Divergent Wind Turbine" In the Proceedings of Second International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022), June 24-25, 2022, Organized by Poornima College of Engineering, Jaipur, Rajasthan, India.
- Vijay Prakash Sharma, Devendra Kumar Somwanshi, Kalpit Jain, and Raj Kumar Satankar "A Literature Review on Renewable Energy Resources and Optimization" In the Proceedings of Second International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022), June 24-25, 2022, Organized by Poornima College of Engineering, Jaipur, Rajasthan, India.
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- Nitin Mukesh Mathur, Yashpal & Akshay Jain, "Flammability and Moisture Absorption Behavior of Sugarcane Bagasse with Epoxy-Based Composite -2022, Lecture Notes in Mechanical Engineering book series (LNME)" "Review Study on the Effect of School Bag Design on Biomechanics with Respect to Backpack Straps" in the International Conference on Advances in Engineering and Technology (ICAET2023) organized by K R Pete Krishna Government Engineering College, Krishnarajpet, Karnataka state, India, 12th and 13th April 2023.
- Dr. Amit Mandal & Mr. Sumit Sharma has authored a book named "Heat Audit and Energy Conservation Opportunities in Dairy Plant" by Lambert publications Applied for Indian patent with title "Security-enhancement of One-time Password (OTP) based online transactions by application of Human Encrypted Formula based OTP (HEF-OTP)" It's a method to improvise one time based online transactions.



Workshops & Conferences

Dr. Raj Kumar Satankar

- Attended webinar on “Ayurveda, Traditional Knowledge and the IPR Issues” organized by IQAC Cell, DPIIT-IPR Chair and Centre for Research on Intellectual Property Rights Law (CERIP) on the occasion of Ayurveda Day, 2022 held on October 23, 2022.
- Participated in the Two-days’ workshop on “Design of Experiments (DOE) Taguchi Method” jointly organized by School of Civil Engineering (SCE), VIT, Vellore, and Indian Concrete Institute (ICI) -VIT Student Chapter on 03rd & 04th November 2022.
- Participated in the Online Faculty Development 23/02/2023 to 25/02/2023 at Sri Balaji College of Engineering and Technology, Jaipur.

Dr. Surendra Kumar Saini

- Participated in the 2nd International & 14 National Conference on Industrial Problems on Machines & Mechanisms (IPRoMM-2022) organized by Mechanical Engineering Department at IIT (ISM) Dhanbad on Dated December 22-23, 2022.
- Participated in International Conference in Recent Advances in Mechanical Engineering (ICRAM 2022) at IIT, Jodhpur, Rajasthan, India on Dated August 25-27, 2022.
- Participated in 05 Days Workshop on Smart Manufacturing & Industry 4.0 sponsored by Ministry of Heavy Industries (MHI), Government of India organized by Dept. of Mechanical Engineering, Indian Institute of Technology (BHU) Varanasi during October 11-15, 2022

Dr. Amit Kumar Mandal

- Participated in National Intellectual property awareness mission (NIPAM) held on April 25, 2023 in Chandigarh University, Mohali, Punjab.

Mr. Sanjay Kumawat

- Attended a One-Week International Faculty Development Programme on “Modelling and Simulation of Renewable Energy Systems” held from 25/04/2023 to 29/04/2023 organised by Department of Mechanical Engineering at Swami Keshvanand Institute of Technology, Management & Gramothan, and Jaipur, India.
- Participated in the Online Faculty Development 23/02/2023 to 25/02/2023 at Sri Balaji College of Engineering and Technology, Jaipur

Awards & Honours

- **Dr. Raj Kumar Satankar** has received Rural Innovation Champion (RiCH) Award at Jugad Mela (Innovation: The Indian Way) on May 2, 2023 organised by Sangam University, Bhilwara, Raja
- **Dr. Raj Kumar Satankar**, invited as a judge of Student Project Exhibition at Jugad Mela (Innovation: The Indian Way) on May 2, 2023 organised by Sangam University, Bhilwara, Raja
- **Dr. Surendra Kumar Saini**, declared as the topper of course “Manufacturing Technology” in NPTEL online course
- **Mr. Sumit Sharma**, has received Indian Design Grant on “Solar Water Distillation System”, by IP office, Controller General of Patents, Designs and Trademarks, Govt of India.
- **Mr. Sumit Sharma**, has received UK Design grant on “Portable Mount Stand for Sun Tracking Solar Panel by Comptroller”, General of Patents, Designs and Trade Marks, Intellectual Property Office, UK



Articles by Faculty Members

- **Dr Raj Kumar Satankar** published an article entitled “Ceramic Water Filters: A Point of Use Household Water Treatment Solution for India with a Livelihood Sustenance Perspective” Water Age magazine August2022 issue, pages32-34.

Student Achievements

- **Vishad Tainwal, Sachin Yadav, Jagrati Agrwal, Sanjay Kumawat**, Outstanding performance at the SAENIS TTTMS Student Case Study Championship, 2022, held on November 19, 2022 at Hotel Basant Vihar Palace, Bikaner, Rajasthan, India.
- **2 Projects of Third year students Ranked Top 100** in the 8th India international science festival MANIT Bhopal, dated 21-24th Jan 2023.
- **Garima Singh**, Final Year Student received “certificate C” in National Cadet Core (NCC) on August 31, 2022
- **Rupal Shrivastav** completed 2 NPTEL Courses on Basics of Materials Engineering & Engineering Drawing and computer graphics

Articles by Students

- **Tanmay Jangid and Surendra Kumar Saini**, Air Purifier Nanocomposites Filter: A Short Review, An International Conference on October 20-22, 2022 Advances in Biopolymers and Composites: Health, Environment, and Energy.
- **Akshit Singh, and Sanjay Kumawat**, “A Review on Virtual Manufacturing in Industries” Journal of Emerging Technologies and Innovative Research (JETIR), Volume 10, issue 9, 2022, ISSN: 2349: 5162.
- **Umesh Yadav, and Sanjay Kumawat**, “A Review: Electric Hybrid Vehicle performance & Efficiency” Journal of Emerging Technologies and Innovative Research (JETIR), Volume 9, issue 12, 2022, ISSN: 2349: 5162.





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 the 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 the intake of 60 students providing all the amenities of infrastructure related to knowledge, research, experiments and training. Poornima believes that Civil Engineering is 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

I am delighted to welcome you to the latest edition of our Civil Engineering Department Magazine. This publication stands as a testament to the remarkable achievements, relentless dedication, and unwavering passion that define our department.

As we flip through the pages of this magazine, we are reminded of the incredible journeys undertaken by our faculty, staff, and students. From innovative research that addresses pressing global challenges to innovative projects that transform our communities and exploration that drives us forward.



Our department is a hub of creativity, collaboration, and intellectual curiosity. We are committed to pushing the boundaries of knowledge and redefining the possibilities within the realm of civil engineering. Whether it's designing resilient infrastructure, pioneering sustainable construction methods, or harnessing the power of technology, our collective efforts reflect a shared commitment to creating a better future.

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. 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 a 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. 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 a 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.

Wishing you an enriching and enlightening read.

DR. PRAN NATH DADHICH



MULTIFARIOUS ACTIVITIES

A Visit to Bisalpur Dam (9th December, 2022)

The department of Civil Engineering of Poornima College of Engineering (PCE) organized a site visit to Bisalpur Dam, Tonk on Friday, 9th December, 2022. The Motive of the visit was to provide site exposure to the students about the working process of Dam. Total 42 students, few among them Harshit Taiter, Chirakshi Agrawal, Tannu Yadav, Kunal Matted and Sachindra Singh Ola were part of the visit who witnessed the working process of Dam which is usually hard to learn and understand by just reading books.

POORNIMA
COLLEGE OF ENGINEERING
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INDUSTRIAL SITE VISIT: BISALPUR DAM

9 DECEMBER 2022

Organized by:
Department of Civil Engineering

Time: 6 AM to 6 PM
Venue: Bisalpur Dam

Coordinates: Mr. Balwan Sheshma & Dr. Manoj Kumar Gattani

SAVE WATER SAVE GREENERY SAVE EARTH



A Visit To Geotech Lab (2nd December, 2022)

The department of Civil Engineering of Poornima College of Engineering (PCE) organized a lab visit to CEG Test House, Jaipur on Friday, 2nd December, 2022. The Motive of the visit was to provide laboratory exposure to the students about the test performed on soil in the real world. Total 40 students, few among them Harshit Taiter , Chirakshi Agrawal , Tannu Yadav and Sachindra Singh Ola were part of the visit who witnessed the different types of test perform on soil in laboratory which is usually hard to learn and understand by just reading books.

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INDUSTRIAL SITE VISIT: CEG TEST HOUSE

2 DECEMBER 2022

Organized by:
Department of Civil Engineering

Time: 9 AM to 2 PM
Venue: CEG TEST HOUSE

Coordinates: Mr. Rituraj Singh Rathore & Mr. Harlal

SAVE WATER SAVE GREENERY SAVE EARTH



Industrial Excursion for Civil Engineering Students

Objective: An Educational Tour is a part of the academic experience in most Colleges. Such tours help students to understand first-hand about various subjects. Educational travel is a carefully planned combination of tours, site visits and hands-on learning opportunities, built around clear learning objectives. It also includes giving students the chance to build closer bonds with their classmates, experience new environments and enjoy a day away from the classroom.



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DEPARTMENT OF CIVIL ENGINEERING

INDUSTRIAL TOUR
(14 OCTOBER - 19 OCTOBER, 2022)

 CHANDIGARH-SMART CITY  IIT MANDI  PANDOH DAM, KULLU  ATAL TUNNEL, ROHTANG





Workshop OnRoad Safety: Survey Design Method

Currently, Engineering becoming interdisciplinary day to day. Civil Engineering is also to be collaborator with all other discipline. The objective is to strengthen capacities on the Safe System Approach and how to design safe roads, to share best practices in safe roads design and point out some deficiencies in existing practices. This workshop is directly connected to Road design software such as IIT-Pave and STATA are one of the best software for designing the road with data. However, in this workshop students learn about uses of this software by Mr. Monik Gupta, Research Scholar, IIT, Bombay.



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An In-Person Workshop on

ROAD SAFETY: SURVEY DESIGN METHOD



Mr. Monik Gupta
Research Scholar,
IIT Bombay

Organised by :
Department of Civil Engineering

31 Oct.-2 Nov., 2022

09:00 am - 3:00 pm

RSVP
Dr. Pran N. Dadhich
Prof. & Head, Civil Engineering
Email: hodcivil.pce@poornima.org
Mob: 9460907039

Workshop Coordinator
Mr. Mukul Nama
Assistant Professor, Civil Engineering
Email: mukul.nama@poornima.org
Mob: 6377873273





“Stone Mart Exhibition at JECC”11th Nov, 2022

India Stone Mart 2022 would be the largest international exposition on stone industry which would showcase the world of natural dimensional stones, ancillary products and services comprehensively. The event would bring together various stake holders of the stone industry viz domestic and overseas producers, exporters / importers, consumers and buyers, experts, technology providers, architects, builders, developers, corporate, etc. under one umbrella. India Stone mart 2022 would provide an ideal platform to the exhibitors to promote their products, services and brand image amongst the consumers from across the globe and establish business linkages and networking with them for enhancing their business horizon and prospects.





FACULTY ACHIEVEMENTS

- **Mr. Balwan** published “A Review on Noise Control in Residential Building” under “Recent Advances in Engineering - Proceedings of ICRAE 2022” and “A Review of Establishment and Composition of RMC Plant” under “Recent Advances in Engineering - Proceedings of ICRAE 2022”
- **Mr. Prateek Sharma** published “A Review of Traffic Flow Simulation on Python” under “Recent Advances in Engineering - Proceedings of ICRAE 2022”
- **Dr. Pran N Dadhich** published “Synthesis of water, sanitation, and hygiene (WaSH) spatial pattern in rural India: an integrated interpretation of WaSH practices” under “Environmental Science and Pollution Research”
- **Ms. Shreya Dadhich** published “A Review on Noise Control in Residential Building” under “Recent Advances in Engineering - Proceedings of ICRAE 2022”
- **Mr. Ritik Kumar Khatri** published “A Review of Establishment and Composition of RMC Plant” under “Recent Advances in Engineering - Proceedings of ICRAE 2022”
- **Mr. Mehul Mathur** published “A Review Paper on Orientation of Building” under “Recent Advances in Engineering - Proceedings of ICRAE 2022”
- **Mr. Ishant Saugat** published “A Review of Traffic Flow Simulation on Python” under “Recent Advances in Engineering - Proceedings of ICRAE 2022”
- **Mr. Prateek Sharma** got certified from IIT Madras (NPTEL) in “A Short Term Course Completed on Maintenance and Repair of Concrete Structures”
- **Dr. Pran N Dadhich** got certified from MNIT, Jaipur in “4 Keynote Addresses in the Training Organized by MNIT for Govt. Engineers”

STUDENT ACHIEVEMENTS

- **Jai Prakash** secured 12033 rank in GATE Examination
- **Jatin Kumar** secured 18417 rank in GATE Examination





Students' Council

About Us

As it's said 'Youth is the future of the country and empowering them molds them into good leaders. Poornima Group 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 works in the same way. After a lot of group discussions and personal interviews, the final team of 37 and 15 clubs is formed. This team later conducts new events such as Fresher's Party and Farewell. Different club activities take place offline 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 2023 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.



CHAIR



JEEVESH KISHORE SHARMA

CO CHAIR



JHALAK BORA

CO CHAIR



BHAVIK LOUNGNAI

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

AAROHAN:

It is the annual cultural event of our college, AAROHAN which was held from the 2 nd of march to the 4 th of march in Poornima College of Engineering. The event brought together students, faculty, and staff members from different departments and showcased their talents. The theme of AAROHAN 2K23 was Wanderlust, Wanderlust induces a strong desire or impulse to travel and explore the world. Wanderlust is aimed to promote the desire to travel and in the student life. Wanderlust in the campus was shown as a traveller roaming around the pink walled city to Hawa Mahal to the Amer Mahal. The event featured a variety of cultural and sports activities, including dance performances, musical performances, drama, poetry recitation, canvas exhibitions, and Box cricket, badminton, kabaddi, and carrom respectively. The event also included several interactive sessions. The event was a great success, with a large turnout of participants and spectators from our Poornima Group. It provided a platform for students to showcase their talents and learn about many sports and activities.

The fest days of college are one of the most memorable days in a student's life. AAROHAN is a 3-days well-planned annual fest of Poornima College of Engineering. It included various cultural and sports activities which promote leadership and team building. Students from different departments took part in various activities in teams and as individuals. There were various activities and games arranged for faculties as well which included games like Box cricket and badminton and activities like Musical chairs and face-pot painting. All in all, these 3 days of the year are always looked forward to by the students of Poornima Group.







JAIPUR FOSS CONFERENCE 2023

Jaipur FOSS 2023 Conference, organized and supported by FOSS United, took place on 21st April 2023 at Arbuda Auditorium & Convention Centre, PIET, Jaipur. The conference aimed to bring together professionals, enthusiasts, and students from the open-source community to share knowledge, insights, and experiences in the field of open-source software.

The event featured an impressive lineup of speakers who are experts in their respective domains. Each speaker presented on diverse topics, covering various aspects of open-source technologies, trends, and best practices. Here is a summary of the speakers and their sessions:

Janesh Balchandani: Janesh is a renowned open-source advocate and technology enthusiast. In his session titled "Open-Source: A Developer's Utopia" he shared his experiences and insights on how open-source software is being used and implemented in real-world scenarios. He discussed the benefits, challenges, and the future prospects of open-source adoption in different industries.

Tejan Singh: Tejan is a seasoned developer and a passionate contributor to open-source projects. His session, "Breaking into: Open Source Contribution" focused on the importance of community-driven development and the process of contributing to open-source projects. He shared valuable tips, tools, and resources to help beginners get started with open-source contribution.

Purvansh Singh: Purvansh is a data scientist and an ardent supporter of open-source machine learning libraries. His session, "Unlocking Opportunities: A Journey through OpenSource, GSoC, and AI" delved into the role of open-source frameworks in accelerating artificial intelligence and machine learning workflows. He showcased popular open-source libraries and shared insights on how they can be leveraged to build robust and efficient AI models.

Grahil Khandelwal: Grahil is a marketing & content expert and an enthusiast for open-source. In his session, "Design, Content, and Branding in Opensource" he shed light on the significance of using open-source tools and frameworks to enhance the branding of software applications.





DANDIYA NIGHT CELEBRATION:

Chiming the bells of liveliness on the arrival of season filled with jubilance of festivals and celebrations. On 30th september, 2022 Students' Council, Poornima Group organised the much awaited event "Dandiya Raas" at OAT, PIET with great gaiety and enthusiasm. The fest began as respected chief guests and dignitaries kindled the lamp and sought the choicest blessing of Maa Saraswati. Further, Mr Jeevesh Kishore Sharma, Chair, Poornima College of Engineering had welcomed everyone on behalf of Students' Council to dance together on the rhythmic beats. As the right music makes everything smoother and unforgettable, the contagious vibe of the DJ filled the ambiance with a cadence of festivity. Everyone had adorned themselves with traditional dresses that were heavily embroidered, and embellished the dazzling night with their presence. Moving forward with the event, awards were given under the category of best attire to faculty and students. Miss Shruti Sharma, 4th year was awarded as best attire students under male and female category respectively. And Miss Shivani Saxena and Mr Hanuman, were awarded as best attire faculty, female and male respectively. Subsequently, after the end of the award ceremony, members of Students' Council and volunteers were called onto the stage for a group photograph. The delightful event was successfully conducted with the support and hard work of the student coordinators and faculty members.



MAKAR SANKRANTI CELEBRATION

Makar Sankranti, also known as Uttarayan, is an auspicious Hindu festival celebrated on January 14th every year. It marks the transition of the sun into the zodiac sign of Capricorn (Makar Rashi) and signifies the end of the winter solstice. This festival holds immense cultural and religious significance across different regions of India. The Makar Sankranti celebration at our college commenced with the lighting of the traditional lamp by esteemed dignitaries, including college faculty, staff members, and special guests. The lamp lighting ceremony symbolized the triumph of light over darkness and set a positive and auspicious tone for the event. The event featured a range of engaging activities and games that brought students and faculty members together. A kite-flying competition was organized, filling the sky with colorful kites and creating a festive and lively atmosphere. Kite flying is a significant aspect of Makar Sankranti, symbolizing joy, hope, and the pursuit of dreams. Alongside the kite-flying competition, traditional games like Sitoliya (also known as Pithoo or Lagori) were played, promoting physical activity, teamwork, strategic thinking, and friendly competition among the participants. Through this holistic celebration of Makar Sankranti, our college aimed to foster unity, promote cultural exchange, and enrich the students' understanding of Indian traditions. The event provided a platform for participants to engage in joyful activities, learn about diverse customs, and create lasting memories together. By embracing the spirit of Makar Sankranti, we celebrated the festival's significance, strengthened bonds within the college community, and embraced the rich cultural heritage of India.



LOHRI CELEBRATION

Lohri is a popular winter Punjabi folk festival celebrated primarily in north India. The significance and legends about the Lohri festival are many and these link the festival to the Punjab region. It is believed by many that the festival marks the passing of the winter. Lohri marks the end of winter, and is a traditional welcome of longer days and the sun's journey to the northern hemisphere by people in the northern region of the Indian subcontinent. It is observed the night before Maghi, according to the solar part of the lunisolar Punjabi calendar, and almost always falls on 13 January. The ancient significance of the festival is it being a winter crop season celebration and is linked to the Punjab region. The festival is celebrated by lighting bonfires, eating festive food, dancing and collecting gifts. In houses that have recently had a marriage or childbirth, Lohri celebrations will reach a higher pitch of excitement. Most North Indians usually have private Lohri celebrations, in their houses. Lohri rituals are performed, with the accompaniment of special Lohri songs. Singing and dancing form an intrinsic part of the celebrations. People wear their brightest clothes and come to dance the bhangra and giddha to the beat of the dhol.





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 1-3 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 Shaurya Singh Rathore



Mr. Ummed Singh and Mrs. Santosh Kanwar

Our sincere gratitude extends to the faculty and administration of Poornima College of Engineering for creating an empowering environment that has enabled our child to thrive and cultivate the essential skills needed for success in every facet of their future life. Life at Poornima stands out from other institutions. Here, students are consistently presented with opportunities to excel in both academic and extracurricular pursuits, thanks to the introduction of non-syllabus projects and thorough assessments tracking individual progress. The coding culture within the campus is noteworthy. The college hosts various coding clubs and activities that enhance students' coding skills, making them industry-ready through events occurring 1-3 times a month, dedicated to improving soft and reasoning skills. Lastly, our heartfelt appreciation goes to our child's tutors for their unwavering support and guidance, helping our child evolves into a better version of them.

Shaurya Singh Rathore
PCE22AD050

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 eighteen 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.





CLUBS

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 boundaries 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 crowned 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.

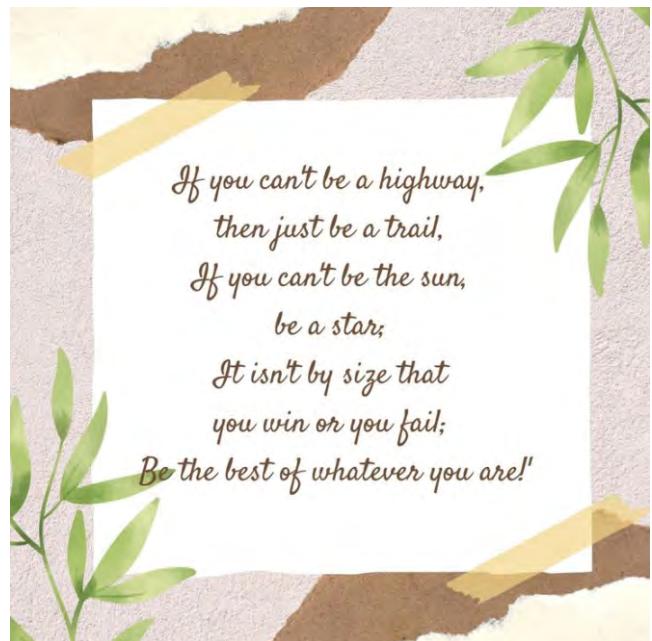
Flash Mob: A flash mob is a group of people who assemble suddenly in a public place, perform an unusual and seemingly pointless act for a brief time, and then quickly disperse, often for the purposes of entertainment, satire, and artistic expression.





DO YOUR BEST WHATEVER YOU DO!!! (Follow 12 Rule)

1. **The Law of Do It Now:** Instead of dreading the necessary task make a habit of doing them first. Anytime you face a difficult task do it as soon as possible. Do not let procrastination take hold.
2. **The Law of Silence:** Keep quite about your plans. Just go about doing the work to hit your goals. Don't seek approval from friends or associates. You do not need to expose yourself to the doubt and ridicule of other people. When you tell everyone what you are going to do, some of them will give you a hard time. They will do things to demotivate you.
3. **The Law of Expectancy:** Expect the best in all of your endeavors. Expect to hit your goals. Do everything with the expectancy of it being successful.
4. **The Law of Desire:** Maintain a strong desire obtaining what you want. Your desire will motivate you to do what it takes.
5. **The Law of Rewards:** Give your self rewards for completing important tasks. Plan a celebration for when you hit your goal. It should be an event that you look forward to.
6. **The Law of Focus:** Keep your mind trained on what you want and what you have to do to get it. Work your plan with the goal in mind. Stay focused on your desired result.
7. **The Law of Delayed Gratification:** Put pleasure seeking on hold until you hit your goal. Make working for your goal the main pleasurable activity in your life.
8. **The Law of Consistency:** Inch by inch it is a cinch. Just keep doing what you need to do until you get what you want. It is consistent action which stops the urge to procrastinate. When you do the work to hit your goals on a consistent basis you eventually get good results. It is inevitable. This motivates you to do more.
9. **The Law of Selective Hearing:** Pay no attention to the words of pessimistic people. Do not listen to the news reports which tell you that now is a bad time to start your endeavor. Only pay attention to supportive people. Listen to their words of encouragement.
10. **The Law of Habit:** Make taking action a habit. Tell yourself to & do it now; when you realize that there is something that you must do in order to hit your goals. Make consistent work a habit as well. Develop good work habits. Become so engrossed in your work that you have no time to dwell on failure or disappointments. It is easy to stay motivated when you never give yourself to a chance to be distracted by temporary setbacks.
11. **The Law of Momentum:** As you apply these laws you will gain momentum. After you are on a roll you will begin to see positive results from your work. Seeing these results motivate you to do more. Success breeds success.
12. **The Law of Memory:** Apply a selective memory. Develop a short memory of failures, setbacks and disappointments. Keep strong memories of successes.



Dr. Garima Mathur
Professor, ECE



When things go wrong as they sometimes will;
When the road you're trudging seems all uphill;
When the funds are low, and the debts are high;
And you want to smile, but you have to sigh;
When care is pressing you down a bit
Rest if you must, but don't you quit.
Success is failure turned inside out;
The silver tint of the clouds of doubt;
And you can never tell how close you are;
It may be near when it seems afar.
So, stick to the fight when you're hardest hit
It's when things go wrong that you mustn't quit.

Dr. Payal Bansal
Associate Professor, ECE

BEFORE YOU

BE CAREFUL
WITH YOUR WORDS .
ONCE THEY ARE
SAID ,
THEY CAN BE ONLY
FORGIVEN ,
NOT FORGOTTEN .

Before you speak, listen.
Before you write, think.
Before you spend, earn.
Before you invest, investigate.
Before you criticize, wait.
Before you pray, forgive.
Before you quit, try.
Before you retire, save.
Before you die, give.

Dr. Meetu Nag
Associate Professor
ECE

As we flip through the pages of College Journey, let's cherish the diversity that colors our experiences. It's a reminder that our differences make us stronger and more resilient. College isn't just a place of learning; it's a melting pot of cultures, a hub of ideas, and a testament to the beauty of human variety. The main motive of the college has been to achieve human excellence to shape the personality of pupils through a host of extracurricular and co-curricular activities, and instilling in them the moral values. By embracing values like integrity, respect, compassion, and responsibility, you're not only enriching your own character but also contributing to a positive and harmonious environment. As you embark on this journey, remember that your actions and choices reflect the values you hold dear. Strive to make them the guiding stars that lead you toward a fulfilling, purpose-driven, and morally conscious life

Ms. Maina Changeriwal
Assistant Professor, IT



HELP!!

I am lost, help me finding myself....Every time I think of blossoms, Why do always fell into thorns, And everything I try to get sleep ,I always wake up in thunderstorms

In All those thunders, I keep looking for shelter,
And I am fed up of frowning, And I am ready to surrender,
Surrendering for each floral moment, That I've ever dreamiest,
I am lost, help me finding myself,
Up is the sorrow, My happiness is down, I'm waiting in my life,
For everything to turn upside down,
I'm tired of trying, I'm tired of crying, Though I want it to end itself,
I'm lost, please help me finding myself!!



Dr. Shuchi Dave
Professor, ece

"A Candle Loses Nothing if it is used to Light Another One"

Try to answer these questions:

1. Name the richest person in the world.
2. Name the last 5 winners of the "Noble Prize"
3. Name the last 5 winners of Miss Universe title
4. Name the top 10 athletes of the 2008 Olympic Games..

Difficult??? Surprised that you can't remember? Don't worry... most people can't either.

Memory Dims! Applause Dies Away! Trophies Dust!!! Winners are soon forgotten.

Now try to answer these question:

1. Name 3 teachers who contributed to your growth.
2. Name 3 friends who helped you in your hour of need.
3. Think of a few people who made you feel special.
4. Name 3 people whom you like to spend time with.

More manageable, this time. Much easier, wasn't it??

Those who mean something to your life are not rated "The Best"; they might not have a huge amount of money and haven't even won world's greatest prizes...

But they are the ones who care about you, take care of you, Those who, no matter what, stay close by, lighten Life's candle.

So, reach up (to accept blessings), Bend down (to respect humbly), Reach out (to give freely).

Life's candle is brief! Better to light another, before the flame burns out.

Dr. NiteshMudgal
Associate Professor, ECE



Nurturing Innovation and Excellence: A Glimpse into Poornima College of Engineering Journey

Introduction: Nestled in a world of innovation, Poornima College of Engineering beckons as a nurturing hub for future engineers. In this annual college magazine, we embark on a captivating journey, unveiling the tapestry of achievements and growth that grace our institution.

Exploring Brilliance: Our campus resonates with the symphony of knowledge as students dive into diverse academic pursuits. From pioneering research to thought-provoking seminars, Poornima College of Engineering fuels innovation and intellectual curiosity. Faculty dedication kindles the flames of learning, guiding students toward uncharted horizons.

Revolutionizing Learning: Venturing into education's heart, our college embraces modern teaching methodologies. Interactive workshops, collaborative projects, and hands-on experiences redefine learning, nurturing critical thinking and problem-solving skills.

Cultural Kaleidoscope: Beyond the classroom, our campus transforms into a cultural mosaic. Vibrant festivals, harmonious music, and artistic showcases celebrate diversity and foster unity among students.

Athletic Spirit: "Healthy mind, healthy body" remains our mantra. Poornima College of Engineering fosters fitness through top-notch facilities and spirited competitions, cultivating discipline and teamwork.

Social Impact: Our commitment to society shines as students lead community initiatives. From environmental campaigns to educational workshops, our reach extends beyond campus, igniting positive change.

Alumni Glory: This magazine reflects on alumni achievements across diverse fields, a testament to the transformative education provided.

Closing Notes: As the year closes, our magazine encapsulates Poornima College of Engineering—an innovation hub, a cradle of growth. These pages echo the spirit of students, faculty, and alumni, painting a vibrant picture of a community shaping excellence.

Gaurav Singh Rathore
(IV Year, IT)

The journey of a student is not without challenges, but within you lies the power to overcome any obstacle. Motivation is the spark that ignites your potential, fuels your determination, and transforms your dreams into reality. Embrace the strategies and remember that your journey is a tapestry of growth, discovery, and achievement. Let your inner fire guide you through the highs and lows, lighting up the path to success and fulfilment. Your potential is limitless, and with motivation as your guiding light, there's no limit to what you can achieve.

Ms. Priya Shekhawat
Assistant Professor,IT



Competition is Unnecessary

From our childhood we are taught to compete in studies, games, achievements and everything else. This creates stress and a feeling of fear in case we don't succeed in competing and someone else achieves more. Competition is unhealthy and unnecessary as we all have different lives. We cannot compare our lives with each other as our priorities, values, satisfaction levels all are different. Students are stressed during their exams for getting first position in the class as the parents pressurize them to be first always. This creates stress and make them feel fearful of the probable success of their other classmates. Everyone in the class can score the maximum marks and get the first position as if someone scores more does not mean that I will score less. This fear and stress comes in our way of success and we may not perform according to our capabilities.

The same competition is there when we start working at some organization. We are always running and stressed out for achieving promotions. The objective of life is to be happy and enjoy our work. But due to this unnecessary competition in every field of our lives we are unable to be happy and enjoy our achievements. The size of the neighbour's car, the location of someone's house, the salary of someone's son in law etc. always make us feel inferior and we start running more to achieve all this.

This competition makes us exhausted and unhappy and one day when we are about to leave this world we understand that we have wasted our life in unnecessary competitions as in the end every materialistic thing that we have acquired is left here only. At the time of our death it does not matter what others have achieved in comparison to us, what matters is that whether we have lived our life to the fullest or not.

Ms. Shazia Haque
Assistant Professor, IT

Following your passion is an opportunity to design a life that captures your genuine essence in a world full with options. It's a pledge to value your individuality, pursue your goals with steadfast tenacity, and leave an enduring imprint on the fabric of reality. So follow your heart's guidance, set out on this life-changing journey, and watch as your passion changes not only your future but also the world around you.

Ms. Shivani Saxena
Assistant Professor, IT

College life is a remarkable journey filled with new experiences, challenges, and opportunities that shape your future. As you embark on this adventure, remember that you hold the power to shape your destiny. By staying motivated and committed, you can turn your college years into a transformative phase of personal and academic growth. Let's delve into some powerful strategies that will help you navigate through college successfully and make the most of this incredible chapter in your life

Dr. Ghanshyam Singh
Associate Professor, IT



Craftsman of Words

It is a fast-growing world.

With a major diversification in the trends of technology following which the social media has come into the picture, acting as a platform to help more and more people from all walks of life to voice their opinions and having a say in most of the major socio economic and cultural issues.

This has led to an increased amount of awareness about things that were never in as much limelight as they are in right now. Ranging from feminism to shrugging off the age-old norms of male and female being the only two genders considered acceptable in our society. There's a shift in the orthodox mindset of the society. That being for good, it is helping people come out as gender fluids being accepted and respected as they are. Another thing that has gained it's much deserved attention in recent times is mental health. Safe to say if not more, mental health is being considered just as equal and important as physical health. The social media revolution has made people to recognize the delicacy of mental health issues. Two among the various things that contribute to the mental health issues are failures and rejections. Our primary and higher grade education curriculum includes every subject to equip us with best of knowledge which will ultimately fetch us high paying jobs. Albeit our education system is one of the best worldwide, what these education curriculums lack are the subjects that would teach us how to deal with one's inner self,

How one can conduct themselves in a way they can be at peace with themselves and in harmony with their surroundings. We aren't taught that opportunities will come you'll meet new people some for work some for relationships, since life is an uncertain deal, you never know what's gonna happen next, Things might work for you, You might as well face rejections.

Anything that happens good or bad,

We should just sit back because the way we respond to a situation is completely in *Our own two hands.*

We should learn to analyse what were the short comings, what were the major's aspects of the things that went wrong I. E failure and what you can do as a person or on your part. Or where did you went wrong. How this could be conducted in a better manner. Everything that happens is an experience and what we make out of that experience solely depends on us. And that is what defines us as a person.

Detachment,

We as humans have certain desires,

Aspirations and there's nothing bad about it,

We attach ourselves to the end product or results, we should instead more often indulge ourselves in things which we enjoy doing.

Doing this will help us get so absorbed and involved in the process, that the end product or the result would never get to our head.

By doing so we are constantly focusing on mastering our skill set that'll make us better than we were yesterday and even if we fail, we know for a fact that we won't react to it in a negative way because for us it was always the process that mattered and the long hours of work that were put in which ultimately resulted in us developing habits of discipline and immense amount of self-respect for ourselves. Albeit the results will affect us because we as humans are greedy creatures seeking constant rewards for our actions but not as much as it would've before you cultivated this attitude. Moreover, the way I see it is, if you want to see the rainbows, you ought to learn to keep up with the rains.



Joyesh Yadav (IV Year, IT)



RECENT TRENDS IN CONSTRUCTION ENGINEERING IN INDIA

The construction industry in India was gradually embracing sustainable and eco-friendly practices. There was a growing emphasis on incorporating green building materials, energy-efficient designs, and waste reduction strategies to minimize the environmental impact of construction projects.

The adoption of Building Information Modeling (BIM) was on the rise. BIM technology enables more accurate project planning, design, and execution by creating digital representations of the physical and functional characteristics of a building. Additionally, construction companies were using IoT (Internet of Things) devices and sensors to monitor and manage construction sites in real-time.

Prefabrication and modular construction techniques were gaining traction as they offer faster construction timelines, reduced material wastage, and improved quality control. This trend was particularly prominent in the development of residential and commercial buildings.

The use of advanced construction materials, such as high-performance concrete, fiber-reinforced polymers, and innovative structural systems, was becoming more common. These materials and technologies can enhance the durability, strength, and resilience of buildings.

Renewable energy solutions, such as solar power and wind energy, were being integrated into construction projects to reduce energy consumption and reliance on traditional fossil fuels.

The construction industry was focusing on better waste management practices, including recycling and reusing construction materials. This not only reduces the environmental impact but also lowers project costs.

Ensuring the safety and well-being of construction workers was gaining prominence. Companies were implementing stricter safety protocols, providing proper training, and using technology to monitor and enhance worker safety on construction sites.

The Indian government's push for affordable housing was driving innovative construction techniques to deliver cost-effective and quality housing solutions to a rapidly growing urban population.

With rapid urbanization, there was an increased focus on developing urban infrastructure, including roads, bridges, metro systems, and smart city projects.

The construction industry was being impacted by evolving regulations and standards related to environmental protection, safety, and quality. Staying updated with these changes was essential for successful project execution.

Mr. Balwan Sheshma
Assistant Professor
Civil Engineering



SUSTAINABLE TRANSPORT DEVELOPMENT IN INDIA

Sustainable transport development in India was gaining momentum as the country sought to address issues related to urban congestion, air pollution, and greenhouse gas emissions. Several initiatives and trends were underway to promote more sustainable and eco-friendly transportation systems. Please note that developments after September 2021 may not be covered in this response. Here are some key aspects of sustainable transport development in India:

The adoption of electric vehicles (EVs) was on the rise in India. The government had launched initiatives such as the Faster Adoption and Manufacturing of Electric Vehicles (FAME) scheme to incentivize EV adoption. Charging infrastructure was being expanded to support the growth of electric mobility.

Indian cities were focusing on improving public transportation systems to reduce private vehicle use. Initiatives included the expansion of metro systems, bus rapid transit (BRT) corridors, and improved last-mile connectivity through feeder services.

Many cities were promoting cycling as a sustainable mode of transport. Dedicated cycling lanes, bike-sharing programs, and pedestrian-friendly infrastructure were being developed to encourage non-motorized travel.

The Indian government's Smart Cities Mission aimed to develop urban areas with a focus on sustainable transportation solutions. This included integrated transportation planning, intelligent traffic management systems, and the use of technology to optimize traffic flow.

Some cities were exploring hybrid transport solutions, such as combining cycling with public transport. This approach aimed to provide commuters with a seamless and efficient multi-modal travel experience.

The implementation of stricter emission standards for vehicles and the promotion of cleaner fuels were key strategies to reduce air pollution and improve air quality.

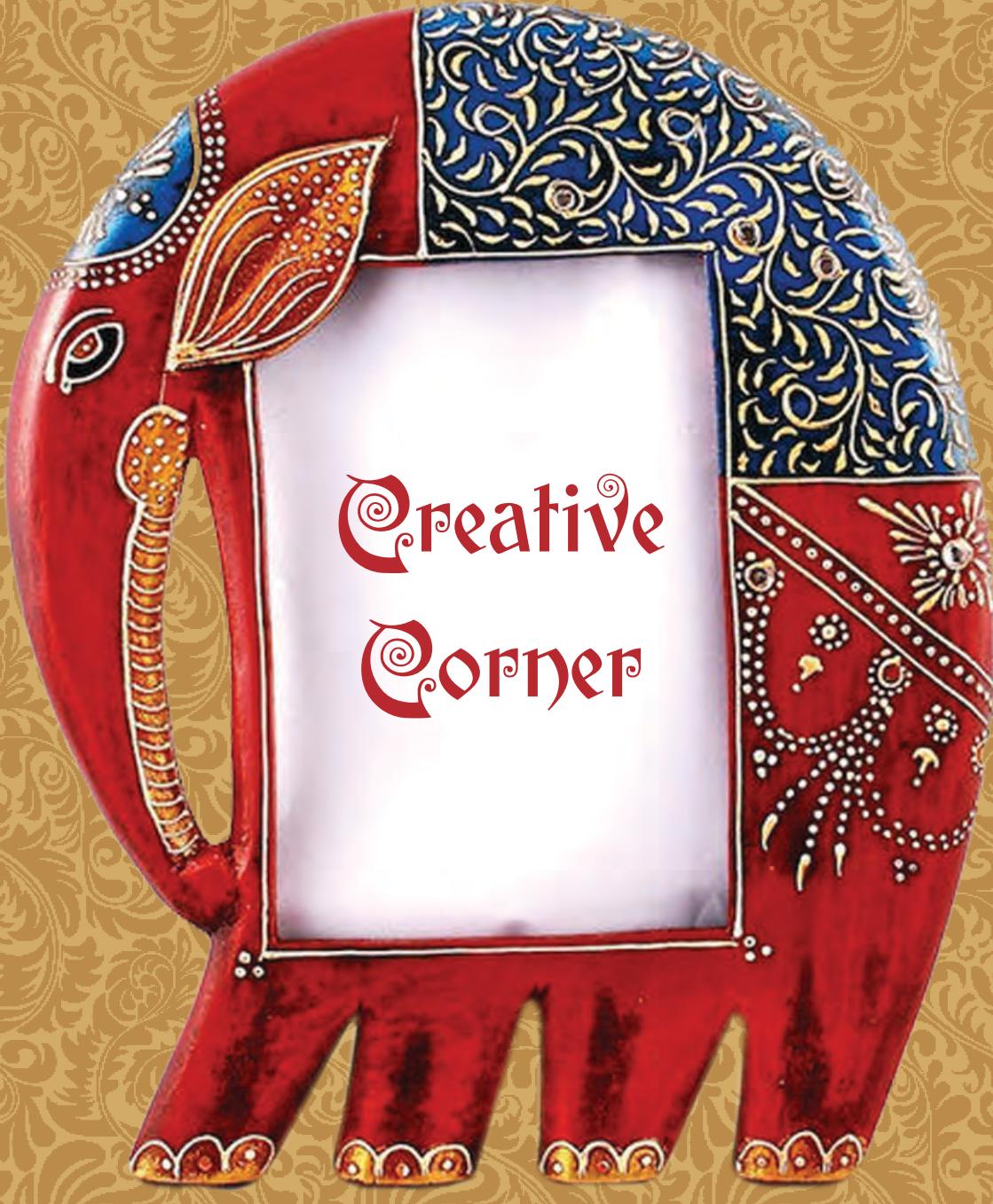
Several cities were implementing transportation demand management (TDM) measures, such as congestion pricing, parking management, and carpooling incentives, to reduce traffic congestion and encourage shared mobility.

Technology was being harnessed to improve transportation systems. This included real-time traffic monitoring, digital payment systems for public transport, and apps for ride-sharing and carpooling.

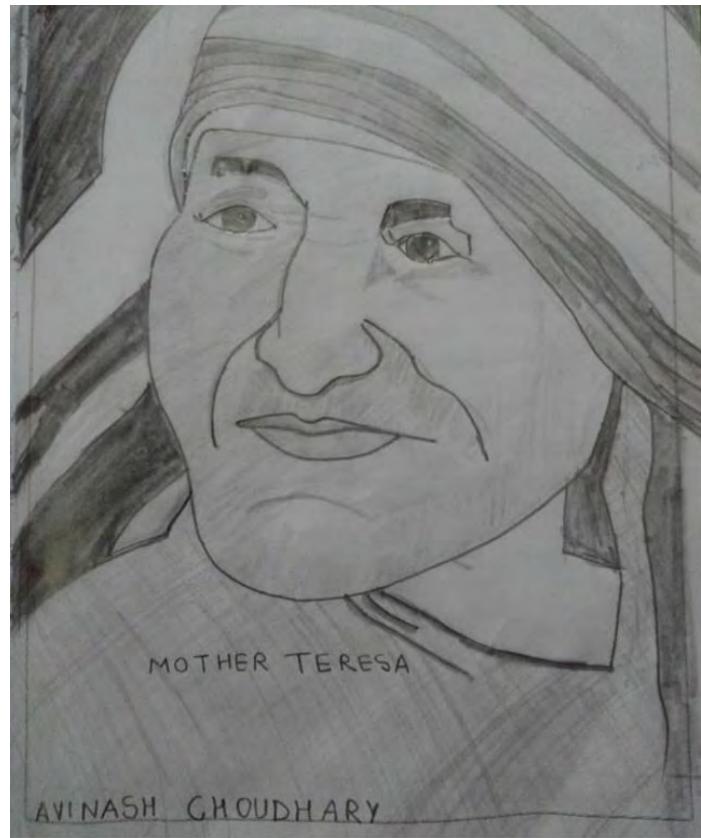
The government was working on policy frameworks and regulations to support sustainable transportation, including setting targets for EV adoption, promoting investment in charging infrastructure, and offering financial incentives for cleaner transport options.

Public awareness campaigns and education initiatives were being conducted to promote the benefits of sustainable transportation modes and encourage behavior change.

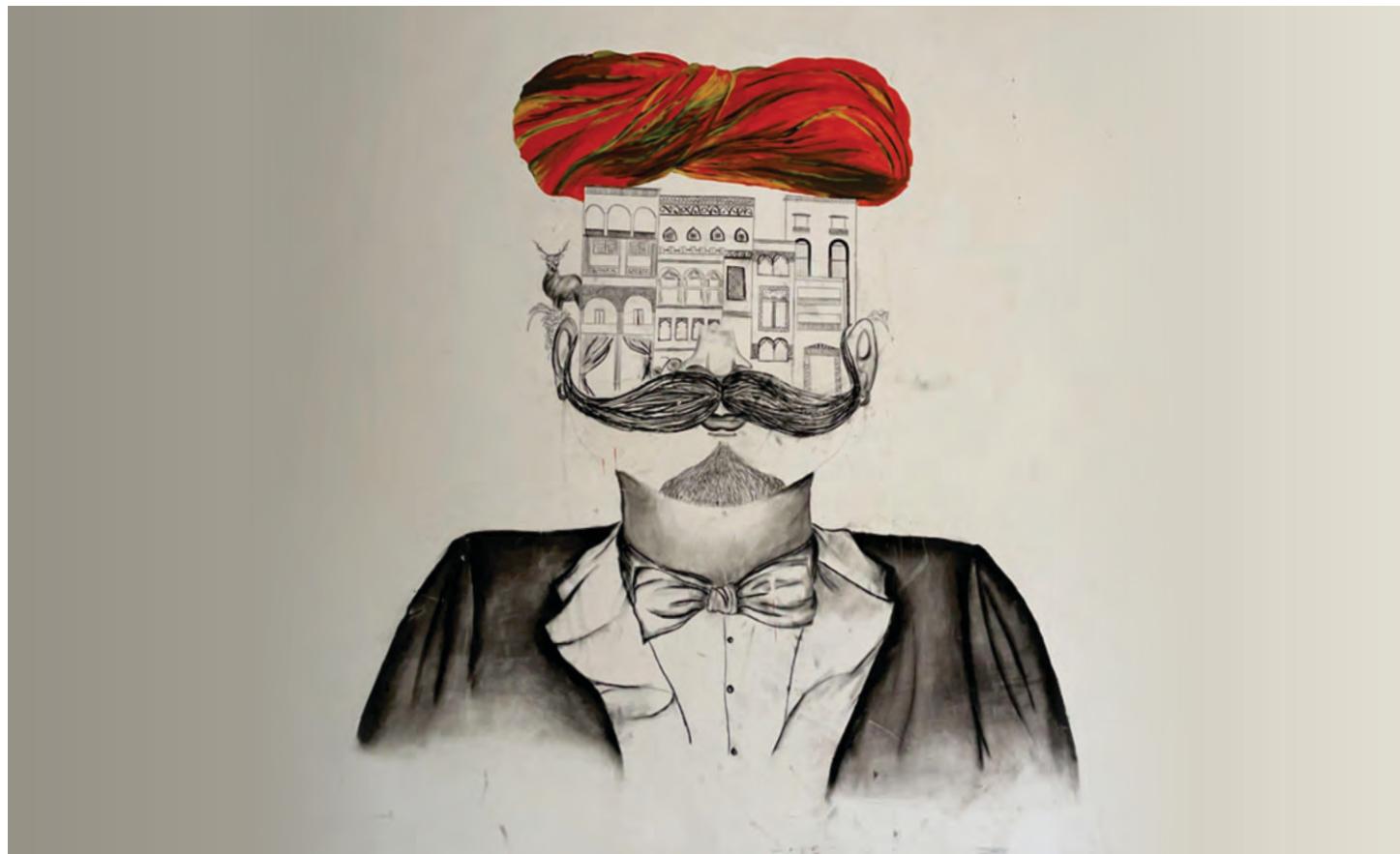
Mr. Prateek Sharma
Assistant Professor
Civil Engineering







Avinash Chaudhary (IV Year, ECE)





MEDIA COVERAGE

पूर्णिमा कॉलेज में शुरू हुआ 'पहला कदम'

देश के विकास में इंजीनियर्स की बड़ी भूमिका, समग्र व्यक्तित्व विकास पर ध्यान दें युवा: सिंह



बैधुक | जयपुर

पूर्णिमा कॉलेज ऑफ इंजीनियरिंग में गुरुवार को तीन सप्ताह के स्टूडेंट इंडक्शन प्रोग्राम की शुरूआत हुई। 'पहला कदम' नामक स्टूडेंट इंडक्शन कार्यक्रम के उद्घाटन सम्पर्क के मुख्य अतिथि राजस्थान एकीकृत यूनिवर्सिटी, आईआईयू के वाइस चॉसलर प्रो एसके सिंह ने अपने संबोधन में कहा कि आज के समय को देखते हुए जरूरी है कि स्टूडेंट नौकरियों की जगह अपने व्यवसाय को तवज्ज्ञ दें। युवाओं को अपने उद्यम शुरू करने की पहल करनी होगी, तभी

वे देश की भी तरकी में भागीदार बन पाएंगे।

सिंह ने युवाओं से अपील की कि वे एकाडमिक के साथ दूसरी एकीकृती में भी हिस्सा बनें, इसी से उनकी पर्सनलिटी यूम होगी और अंत उनके विकास में सहायता होगी। एनईसी पर बात करते हुए उन्होंने चॉसलर बेस्ट क्रैडिट सिस्टम पर बात करते हुए, इंजीनियरिंग की एई, ईई, इसी और जीसी पार्श्वकीय ब्रांचों की इमोरेंस बताई। उन्होंने कहा कि इंजीनियर देश को तवज्ज्ञ दें। युवाओं को अपने उद्यम शुरू करने की पहल करनी होगी, तभी



तीन सप्ताह का होगा इंडक्शन प्रोग्राम

एआईसीटीई के मार्गदर्शन में होने वाले इस तीन सप्ताहिक इंडक्शन कार्यक्रम में पूर्णिमा यूप के डायरेक्टर राहुल सिंही ने प्रैजेटेशन के द्वारा पूर्णिमा यूप के अंतर्काल की यात्रा को शेयर किया। कार्यक्रम में पूर्णिमा के प्रिसिपल डॉ. महेश रेखा नायर उपस्थिति थीं। प्रोग्राम की शुरूआत गणेश वंदना से हुई। डॉ. बुदेले ने अतिथियों का स्वागत करते हुए अपने उद्बोधन में कहा कि इस कार्यक्रम का लक्ष्य कॉलेज में आने वाले युवा छात्रों को नए वातावरण में ढलने में मदद करना है। कार्यक्रम के अंत में डॉ. रवेश शर्मा ने सभी को आभार प्रकृत किया।

इंडक्शन प्रोग्राम में फ्रेशर्स के लिए बनाए मेंटर ग्रुप



जयपुर। पूर्णिमा कॉलेज ऑफ इंजीनियरिंग की ओर से बीटेक फर्स्ट ईयर स्टूडेंट्स के लिए तीन सप्ताह के इंडक्शन प्रोग्राम की शुरूआत हुई। इसमें एआईसीटीई की गाइडलाइन के अनुसार स्टूडेंट्स के मेंटर ग्रुप के डायरेक्टर राहुल सिंही ने प्रैजेटेशन के जरिए संस्थान की शुरूआत से अब तक के सफर को बताया। कॉलेज के प्रिसिपल डॉ. महेश बुदेले और वाइस प्रिसिपल पंकज धेमला ने सभी स्टूडेंट्स को उज्ज्वल भविष्य के लिए शुभकामनाएं दीं। फर्स्ट ईयर की डीन डॉ. रेखा नायर ने फ्रेशर्स को कॉलेज के रूल्स व रेगुलेशंस से अवगत कराया और प्रोग्राम की विभिन्न गतिविधियों की जानकारी दी।

पूर्णिमा कॉलेज में इंडक्शन प्रोग्राम

एआईसीटीई की गाइडलाइन के तहत स्टूडेंट्स के बनाए मेंटर ग्रुप



जयपुर @ प्रिकाला प्लस, पूर्णिमा कॉलेज ऑफ इंजीनियरिंग की ओर से बीटेक फर्स्ट ईयर स्टूडेंट्स के लिए तीन सप्ताह के इंडक्शन प्रोग्राम की शुरूआत हुई। इसमें एआईसीटीई की गाइडलाइन के अनुसार स्टूडेंट्स के मेंटर ग्रुप बनाए गए। पूर्णिमा यूप के डायरेक्टर राहुल सिंही ने अंतर्काल स्टूडेंट्स के लिए स्पोर्ट्स, लिटररी, कल्चरल, डांस व म्यूजिकल प्रिक्टिविटीज शुरूआत से अब तक के सफर को बताया। प्रिसिपल डॉ. महेश बुदेले और वाइस प्रिसिपल पंकज धेमला ने उज्ज्वल भविष्य के लिए शुभकामनाएं दीं। फर्स्ट ईयर की डीन डॉ. रेखा नायर ने फ्रेशर्स को कॉलेज के रूल्स व रेगुलेशंस से अवगत कराया। प्रोग्राम में स्टूडेंट्स के लिए स्पोर्ट्स, लिटररी, कल्चरल, डांस व म्यूजिकल प्रिक्टिविटीज शुरूआत से अब तक के सफर को आयोजित होगा।



'वर्चास 2022' | पूर्णिमा कॉलेज ऑफ इंजीनियरिंग, पीसीई की एथलेटिक टीम ने आईआईटी जोधपुर में हुए 4-6 नवंबर तक हुए वर्चास-22 में पूरे उत्सव के साथ भाग लिया। 'वर्चास 2022' आईआईटी जोधपुर का वार्षिक खेल उत्सव है। इसे राजस्थान का सबसे बड़ा खेल उत्सव भी माना जाता है। वर्चास खेल भावना का जश्न मनाता है और यहां अपने खेल में उत्कृष्ट हासिल करने के लिए विभिन्न टीमों अनगिनत धृतियों को नए वातावरण में दूर-दूर तक फैला हुई है।

नेशनल ड्रोन रैंकिंग के टॉप 20 में चुना गया जयपुर के स्टूडेंट्स का बनाया ड्रोन



जयपुर, समाचार जगत न्यूज़। जयपुर के पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के स्टूडेंट्स का बनाया ड्रोन नेशनल ड्रोन रैंकिंग कॉम्पिटिशन के फर्स्ट राउंड में टॉप 20 में चुना गया है। एविएशन एंड स्पेस फ्रेडेशन फॉर यूनिवर्स (एसयूएफयू) इंडिया तथा डोरेटिक्स (ड्रोन एंड रोबोटिक्स), बीआईएजी तथा इंटररेसनल एविएशन गेम्स बोर्ड द्वारा आयोजित इस रैंकिंग में यहां तक पहुंचने वाली यह राजस्थान की एकमात्र टीम है। इसके लिए देशभर के कॉलेजों की ओर से ड्रोन तैयार कर उनके वीडियो सबमिट किए गए। पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के लखन सिंह, हार्षित परमार, कनिष्ठ पामेचा व अंजना ने कॉलेज के उड़ान एयरोमॉडलिंग क्लब की गाइडेस में एक अटीनोमेस व जीपीएस मैट्रिक्यूल का ड्रोन तैयार किया। हार्षित परमार ने बताया कि करीब एक विलोग्राम वजन वाला यह ड्रोन 120 मीटर ऊंचाई तक उड़ सकता है और यह लगभग 200 ग्राम वजन भी साथ ले जा सकता है। बीटा फ्लाइट सॉफ्टवेयर से डोरा फ्लाइट कंट्रोलर में डाला जाता है और इसके लिए लोकेशन दी जाती है, ड्रोन उस पर ऑटोमैटिक मूव करता है और ट्रैकिंग के बाद वापस लैंड कर जाता है। इस ड्रोन को हवा में स्टॉप व डांस करकर कंट्रोल कर इसका वीडियो कोम्पिटिशन के लिए अपलोड किया। वहां ड्रोन की कंट्रोलिंग व फंक्शनिंग तथा सोशल मीडिया पर इस वीडियो को मिले रिस्पॉस जैसे विभिन्न पैमानों के आधार पर देशभर की प्रविष्टियों में से सेकंड राउंड के लिए इन टॉप 20 टीमों का चयन किया गया।

खेल व सांस्कृतिक कार्यक्रमों से शुरू हुआ एनुअल फेस्ट 'आरोहण'



जयपुर, समाचार जगत न्यूज़। पूर्णिमा यूप ऑफ कॉलेज के एनुअल स्पोर्ट्स, कल्चरल व टेक्निकल फेस्ट 'आरोहण-पूर्णिमा 2023' की गुरुवार को भव्य शुरूआत हुई। यूप के डायरेक्टर जनरल एम्पेक्यू शाह ने मुख्य अतिथि के तौर पर फेस्ट का उद्घाटन किया। फेस्ट की टेक्निकल एक्टिविटीज में जहा स्टूडेंट्स की टेक्निकल स्किल की कड़ी परख हुई, वहां स्पोर्ट्स कॉम्पिटिशन में टीम रिप्रिट व जीत का जज्बा देखने की मिला। दिनभर की एक्टिविटीज के बाद शाम को आयोजित कल्चरल इवेनिंग में सिंगार पोपोन ने एक से बढ़कर एक प्रस्तुतियां देकर स्टूडेंट्स को ज्ञान पर मजबूर कर दिया। इससे पूर्व बैंड परफॉर्मेंस में स्टूडेंट्स ने बैंड की धूनों के साथ फिल्मी गीतों की प्रस्तुतियां दीं। स्पोर्ट्स में पहले दिन बॉलीबॉल, बैडमिंटन, चेस, कैरम, कबड्डी, टेबल टेनिस और बॉक्स क्रिकेट के शुरूआती मुकाबले हुए। इन सभी में स्टूडेंट्स के बीच जीत के लिए कड़ी मशक्कत देखने को मिली। कठि सम्मेलन में युवा कवियों ने स्वरचित कविताओं के जरिए अपने भावों को व्यक्त किया। अर्जुन गार्डन में पॉट पैंटिंग कॉम्पिटिशन भी आयोजित किया गया, जिसमें प्रतिभागियों ने अपनी क्रिएटिविटीजों के जरिए पॉट को नया रूप दिया। इनके अलावा फैलैश मॉब, हुक्टेप चैलेंज, जैमिंग, सेल इट अप, एफ1 ओपन रेसिंग और यू लाफ यू लूज जैसी प्रतियोगिताएं हुईं।



पूर्णिमा ग्रुप के स्टूडेंट्स को मिले 44 लाख तक के पैकेज

जयपुर, समाचार जगत न्यूज़। पूर्णिमा ग्रुप के स्टूडेंट्स ने इस वर्ष लोसमेंट के नए कोर्टीमान स्थापित किए हैं। इस बार यहाँ के स्टूडेंट्स के 44 लाख रुपए तक के पैकेज पर लोसमेंट हुए हैं, जो अभी तक मिले पैकेज से अधिक है। बैच 2023 के लिए अब तक यहाँ 80 से अधिक मल्टीनेशनल कंपनियों द्वारा 570 स्टूडेंट्स का चयन किया जा चुका है। इनमें अमेजन की ओर से 44 लाख और पिलार्ट की ओर से 35 लाख के बढ़े एनुअल पैकेज पर लोसमेंट दिया गया है। टेक्नोलॉजी द्वारा चयनित स्टूडेंट्स को 28 लाख और लोकस डिजिटल द्वारा 22 लाख के पैकेज ऑफर किए गए हैं। ग्रुप की लोसमेंट हेड श्रीनिधि लोदा ने बताया कि सिलेक्ट टेक्नोलॉजी ने 45 स्टूडेंट्स का चयन किया है और जीवं दिए गए हैं। अधिकतर



कई स्टूडेंट्स के परिणाम आने अभी बाकी हैं। मोगा रिकॉर्ट इन्फोर्मेशन व टीक्सीएस की लोसमेंट प्रक्रिया भी अगामी दिनों में भी कई बड़ी टेक्क कंपनियों के आने का कार्यक्रम है। पूर्णिमा ग्रुप के डायरेक्टर राहुल सिंधी ने बताया कि स्टूडेंट्स का बेहतरीन कंपनियों में अच्छे पैकेज पर लोसमेंट कराना हमारी मुख्य नाम है। चयनित स्टूडेंट्स को 6.45 लाख के एरेज पैकेज पर लोसमेंट सेल वर्षभर कड़ी मेहनत करते हैं।

श्रेष्ठ प्रदर्शन पर मिले लैपटॉप



जयपुर @ पत्रिका प्लस. पूर्णिमा ग्रुप में गणतंत्र दिवस समारोह मनाया गया। ग्रुप के डायरेक्टर जनरल एमकेएम शाह ने ध्वजारोहण किया। परेड में स्टूडेंट्स ने तिरंगे की शान में पूरे उत्साह से कदमताल किया। एकेडमिक ईयर में उल्लेखनीय परकार्मस वाले एचओडी व डीन को

लैपटॉप देकर सम्मानित किया गया। ग्रुप के डायरेक्टर राहुल सिंधी, पूर्णिमा यूनिवर्सिटी के प्रेसीडेंट डॉ. सुरेश चंद्र पाण्डी, पीसीई के डायरेक्टर डॉ. महेश बुदेले व वाइस प्रिंसिपल डॉ. पंकज धेमला व पीआईटी के डायरेक्टर डॉ. दिनेश गोयल भी उपस्थित थे।

टॉप-20 में जयपुर के स्टूडेंट्स का बनाया ड्रोन

नवज्योति, जयपुर। पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के स्टूडेंट्स का बनाया ड्रोन नेशनल ड्रोन रैंकिंग कॉम्पिटिशन के फस्ट राउंड में टॉप-



20 में चुना गया है। एविएशन एंड स्पेस फेडेशन फॉर यूनिवर्स (एप्सएफयू) इंडिया तथा डोरोटिक्स (ड्रोन एंड रोबोटिक्स), बीआईएजी तथा इंटरनेशनल एविएशन गेम्स बोर्ड द्वारा

आयोजित इस रैंकिंग में यहाँ तक पहुंचने वाली यह राजस्थान की एकमात्र टीम है। कॉलेज के लखन सिंह, हर्षित परमार, कनिष्ठ पामेचा व अंजना ने कॉलेज के उड़ान एयरोमॉडलिंग बलब की गाइडेंस में एक ऑटोनोमस व जीपीएस मॉड्यूल का ड्रोन तैयार किया। हर्षित परमार ने बताया कि एक किलोग्राम वजन वाला यह ड्रोन 120 मीटर ऊंचाई तक उड़ सकता है और यह लगभग 200 ग्राम वजन भी साथ ले जा सकता है।

जयपुर, समाचार जगत न्यूज़।

मंच पर पेंटेस की मौजूदगी में गोल्ड व सिल्वर मैडल प्राप्त करना स्टूडेंट्स के लिए यादगार पल बन गया। रविवार को यह अवसर था पूर्णिमा ग्रुप के वार्षिक समारोह व पुरस्कार वितरण कार्यक्रम 'कलानिधि' का। इसमें एकेडमिक्स में उल्लेखनीय प्रदर्शन करने वाले प्रतिभावान व टॉपर स्टूडेंट्स को गोल्ड, सिल्वर मैडल व अवॉर्ड प्रदान किए गए। जेकेएलयू के वाइस चांसलर प्रो. धीरज सांघी इस कार्यक्रम के मुख्य अतिथि थे, जबकि पूर्णिमा यूनिवर्सिटी के वाइस चांसलर



डॉ. सुरेश चंद्र पांधे गेस्ट ऑफ ऑनर थे। प्रो. धीरज सांघी ने स्टूडेंट्स की सफलता में पैरेंट्स के योगदान को अहम बताया और कहा कि इस पुरस्कार वितरण समारोह में पैट्रेंट्स को आमंत्रित किया जाना उनके

स्टूडेंट्स ने खनकाए डांडिया



बैधड़क, जयपुर। पूर्णिमा यूनिवर्सिटी कैपस में स्टूडेंट काउंसिल की ओर से भव्य डांडिया नाइट का आयोजन किया गया। इसमें करीब 3500 स्टूडेंट्स और फैकल्टी व स्टाफ मैंबर्स ने पूरे उत्साह के साथ डांडिया में भाग लिया। मां दुर्गा की पूजा और आरती के साथ कार्यक्रम की विधिवत शुरुआत हुई। इसके पश्चात सभी ने विभिन्न फिल्मी गीतों की धुनों के साथ देर डांडिया रास किया। इस कार्यक्रम में सभी प्रतिभागी रंग-बिरंगे पारंपरिक परिधानों में सजे-धजे हुए थे।

पीआईटी की दीक्षा शर्मा को गोल्ड मैडल से सम्मानित किया गया। इनके अलावा अनुश्री गोपालिया मेमोरियल अवॉर्ड, आउटस्टेंडिंग अवॉर्ड फॉर हॉस्टलर्स, स्टेलर स्टूडेंट अवॉर्ड, इन्फ्लैंसर ऑफ द ईयर, बेस्ट प्रोजेक्ट अवॉर्ड, बेस्ट नॉन सिलेबस प्रोजेक्ट अवॉर्ड, कोडर ऑफ द ईयर, बेस्ट स्पॉर्ट्स पर्सन ऑफ द ईयर, बेस्ट कल्चरल अवॉर्ड और बेस्ट अंटेंडेंस अवॉर्ड भी प्रदान किए गए। समारोह में पूर्णिमा ग्रुप के एलुम्नी न्यूज़लैटर 'आलियांज' का विमोचन किया गया।



Editorial Board

"The only way to do great work is to love what you do." - Steve Jobs

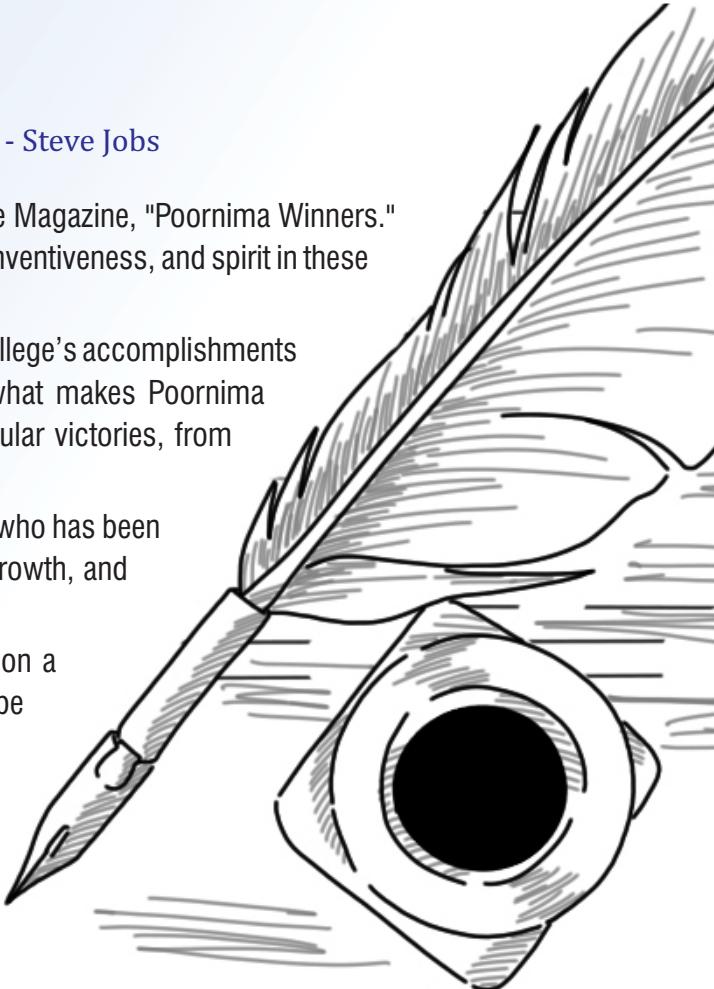
We are very excited to announce the release of our annual College Magazine, "Poornima Winners." This issue is homage to our students', faculty, and staff's tenacity, inventiveness, and spirit in these trying times.

The pages of "Poornima Winners" are a bright presentation of our college's accomplishments throughout the last year. Our Magazine captures the heart of what makes Poornima College genuinely unique, from academic success to extracurricular victories, from breakthrough research to inspirational arts.

We would like to express our deepest congratulations to everyone who has been featured in this edition. Poornima College is a place of learning, growth, and achievement because of your hard work, devotion, and skill.

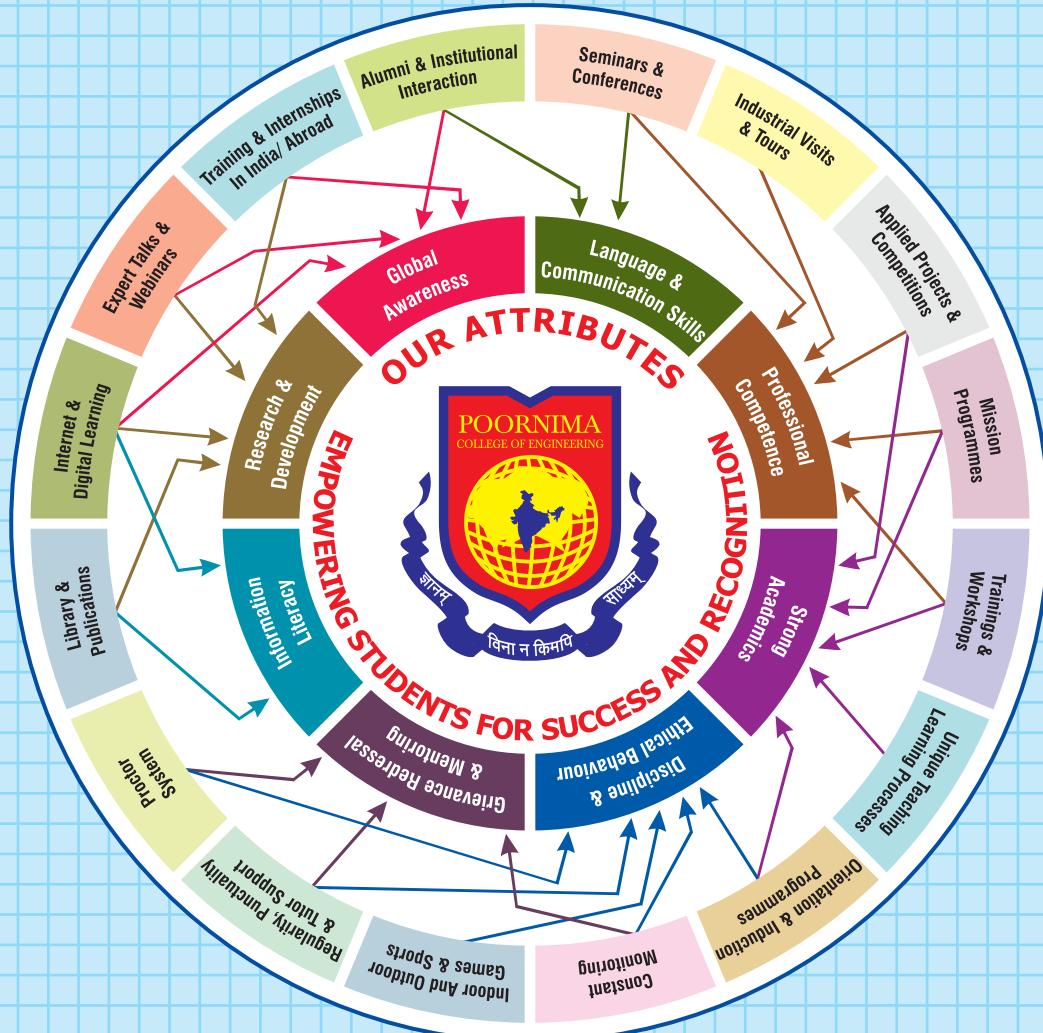
We also want to thank everyone who helped make this publication a reality. Your efforts have yielded a publication of which we can all be proud.

We hope that when you read through the pages of "Poornima Winners," you will be inspired by the stories of accomplishment and resilience. May they inspire you to pursue your own ambitions and write your own chapter in the continuing saga of Poornima College.



Here's to another year of growth, accomplishment, and success!





॥ कॉलेज गान ॥

जय जय जय पूर्णिमा संस्थान,
मरुभूमि अभिनन्दन करती, अरावली देता मुख्कान
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 उड़ान
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

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