

Annual Magazine : 2019-20

ISSUE : XIX

POORNIMA WINNERS

(The Annual Magazine of Poornima College of Engineering, Jaipur)



COVID -19 CRISIS, REINVENTING DIGITAL TRANSFORMATION

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CONTENTS

Editor's Note	1
Messages From Dignitaries	2
Campus & its Glimpses	7
Academic Stars Make Poornima Proud	10
Recognition of Students' Performance	16
Aarohan 2020	18
Anecdotes of PCE	20
Initiatives and Benchmarks At PCE	21
Training & Placement	24
Laurels Gate Results	31
Poornima Alumni Association (PAA)	32
Landmarks	37
WISE : Women in Science & Engineering	40
Department of I Year	43
Department of Computer Engineering	58
Department of Electronics & Communication Engg.	69
Department of Electrical Engineering	80
Department of Information & Technology	91
Department of Mechanical Engineering	97
Department of Civil Engineering	107
PCE in News	114
Associates	116
Introduction of Hostels at Poornima	118
Students' Council	123
Faculty & Students Articles	125
Creative Corner	135
Editorial Board	136



Editor's Note



**"The Pessimist Sees Difficulty In Every Opportunity.
The Optimist Sees Opportunity In Every Difficulty."**

— Winston Churchill

The motive of Poornima College of Engineering is to develop a global perspective to cope -up with the fast changing technology scenario. In addition to this, values with discipline are the hallmark of our college, besides, ensuring quality of the students; here the emphasis is not only on academic excellence but the development of the overall personality of a student. To achieve this goal, add on courses, training in personality development, and other soft skills are also provided in our College. We take special care to ensure that new ideas are not merely discussed here but executed. Execution of new ideas helps the faculty and students to tread the path of 'Innovation' which is the slogan of our Institution. As excellence is the only criterion for selection of students, we are confident that in due course, promises will become 'Achievements' in their respective fields. The magazine continues to expand its reach to achieve its vision of being a truly representative student publication. We have recently expanded into the digital world, where we try to engage the college community by publishing their creative content regularly, by organizing competitions, and through continued and rapid reporting about college events.

The team hopes to build on this ethos just as much during the upcoming academic years.



Kuldeep Sharma
(Editor-In-Chief)

We at Poornima believe in...

Vision

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

Mission

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

Quality Policy

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



Message

Education is the key to unseal the golden opportunities in life! "A desire can change nothing, a decision can change something but a determination can change everything".

I am glad to learn that Poornima College of Engineering (PCE) is bringing out 2019-2020 issue of its Annual Magazine '**Poornima Winners**'. We, in India today, in fact in whole world are living in a transitional era. The COVID-19 pandemic and its resultant impact on our lives have raised the need to adopt innovative ways of getting education services at all levels. At Poornima Group, our vision is based on hard work, open communication, a strong emphasis on team work and a high level of responsibility. This visionary culture allows and emphasizes our students not only to adopt the present day challenges but also individual responsibilities to the society and our nation at large.

The journey of empowering a full-scale digital transformation at short notice isn't a cakewalk, but if implemented right, it can be a lesson in resilience. The advanced technologies have the ability to plan, manage, and support digital transformation needs for the education industry. VUCA (Volatile, Uncertain, Complex and Ambiguous) characterize the engineering education scenario. At the global level, engineering education is experiencing a paradigm shift from teacher-centric to student-centric teaching- learning process, content based education to outcome based education, knowledge seeking to knowledge sharing classrooms, teachers to facilitators, traditional engineering disciplines to interdisciplinary courses, chalk and board (lecture based) learning to technology driven learning and the list goes on.

Present trends in educational technology and the growing usage of ed-tech tools like 3D printing, virtual reality, augmented reality and more, have significant power and potential in the additional materials and methods of teaching available to today's students. I am happy to note that PCE is using this present adversity as a blessing in disguise and making digital education a major part of the learning process for all students. The New National Education Policy (NEP) has been launched by the Government of India and now its implementation will prove to be a great game-changer. Engineering students as well as faculty members and institutions will have to work very hard to adapt to these fast changing educational scenarios and will have to become lifelong learners. Poornima Group always chooses to see challenges as stepping stones & opportunities leading to achieve greater heights towards desired goals! The addition of new skill sets and competencies have become key requirements that would help students to gain excellent theoretical knowledge base and development of skills as per Industry requirements.

Dear students, "You are the nation-builders. You are the movers of technology. You are the agents of change." It is our fervent hope that the years that you spent and spending in PCE would enable you to equip with leadership and managerial skills. The knowledge that you will gain, the fine qualities that you will imbibe and the technical skills that you will learn to apply will be your major contributions to your parents, to society, and to the nation. We invest our trust on you.

I am sure that the magazine makes interesting matter, encompassing and reflecting the vibrant campus life and would provide relevant enlightened information. I congratulate all contributors to growth story of PCE and wish excellent success to the coming issue of '**POORNIMA WINNERS**'.

Dr. S.M. Seth

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



Message

Education plays a major role in one's life. In a global, knowledge-driven economy, technological innovation—the transformation of knowledge into products, processes, and services—is critical to competitiveness, long-term productivity growth, and the generation of wealth. The professionals of tomorrow, and indeed that of today, will face profound new challenges. Every day they will face the stress of competing in the fast-paced world of change we call the knowledge-based global economy of the twenty-first century. Imparting education to the present day youth by having the exposure to the modern technologies is a challenging task, as well as a unique opportunity.

The well balanced, innovative and structured education provided by well-educated and trained faculty at Poornima College of Engineering nurtures and equips the student for a lifetime. The curricula, syllabi, beyond syllabus programs, co and extra curricula activities and individual attention, all focus on providing an education that will equip the students to utilize the opportunities that they will get and to overcome challenges that they will face in their professional life and careers ahead. The Memoranda of Understanding with various prestigious international universities and interaction with renowned personalities and experts provides the faculty and students opportunities to interact and gain a vast knowledge in their respective fields of specialization.

PCE also encourages its students to participate in various national and international competitions. During the academic year 2019-20, PCE has taken remarkable strides, achieved many successes and is moving ahead on the road of further progress and performance.

I am sure that the magazine makes interesting matter, encompassing and reflecting the vibrant campus life of PCE during the academic year 2019-20 and would provide relevant enlightened information to reinforce full faith in excellent attributes of academics and activities at Poornima.

I congratulate the editorial team of PCE and wish excellent success to the coming issue.

Shashikant Singhi
Chairman, Poornima Group



Message

I am glad to learn that “Poornima College of Engineering” is coming up with its Annual Magazine – “Poornima Winners” for session 2019-20 on the theme – “Covid - 19 Crisis, Reinventing Digital Transformation”.

A college magazine helps record the curricular and extra-curricular journey of the institution and provides an opportunity to faculty, staff & students to showcase their talent and explore their creative potential.

Alongside academic and curricular inputs, co-curricular and extra-curricular activities help shape the overall personality of the student.

I extend my greetings and best wishes to the faculty, staff and students of “Poornima College Of Engineerng” and wish their endeavors my very best.

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

Ar. Rahul Singhi
Director, Poornima Group



Message

It is my pleasure to inform you that Poornima College of Engineering, Jaipur has brought out its Annual Magazine “Poornima Winners” on the theme “Covid 19 Crisis: Reinventing Digital Transformation” for the session 2019-2020.

Whole world is undergoing a change after inception of Covid 19 and facing challenges to bring back normal working. Covid 19 has taught us very new aspects of living and has forced us to adapt new tools & technologies in our routine life style. It has opened up new areas of research and advancements specially a thought for Engineers to provide solutions to societal and survival issues arising under such situations. The world is going to set a new normal very soon. You Engineers need to play vital role in setting this new normal.

During 2019-2020, Poornima College of Engineering has undergone many changes in teaching learning process leading to drastic reforms to make our students better employable and successful entrepreneurs. The process for Outcome Based Education has been set across all the departments. Students and the faculty are the key elements of the process. I would request all the students to get actively involved into the process through serious working on non-syllabus projects, seminars, industry internships, trainings, workshops and fair enough feedback being collected. This will strengthen the process and benefit you all to achieve your own targets.

During 2019-20, Poornima College of Engineering has achieved new heights including reaching to each of its students during Covid 19 and delivering best possible inputs for closure of the session. I wish all the students and the parents, a very healthy and safe life in coming future.

I am sure, you all will put your 100% to achieve excellent results and attainments of targets in forthcoming session.

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

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



Message

***"A desire can change nothing, a decision can change something but
a determination can change everything"***

Technology and globalization have turned countries into knowledge-driven economies. They are radically accelerating the pace of change in the world and raising the long-term risks. Success in knowledge-driven and innovation-driven world order depends largely on the capabilities of the people, and higher education, especially engineering education, is the key to building those requisite capabilities.

With this in mind, we have adopted AICTE reform policies like mandatory student induction program, examination reform, internship, teachers training, industry readiness and promoting innovation and start-ups. This will surely prepare our students to solve multi-disciplinary problems of modern society.

We all have seen pandemic in the form of Covid -19. The whole country shut down and all the people sat at their homes for almost 67 days. This is not over yet. The theme of magazine is Covid -19, Reinventing Digital Transformation is very suitable considering the present situation. We also transformed ourselves to impart education to our students in this tough times and reinvented new methods to assess the performance of our students. We have equipped ourselves but still it is learning phase for all of us to perform better.

I thank all my faculty and staff members for their contribution in nurturing character in students so that they can fulfil the requirements of responsibilities as an engineer, a citizen and a human being.

I also extend my greetings to the team of Winners-2020 for their efforts in publishing this very informative college Magazine.

Jai Jai PoornimaSansthan, Jai Hind!

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

Pankaj Dhemia

Vice Principal

Poornima College of Engineering

COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

Poornima College of Engineering, Jaipur

A CEREBRAL PLATFORM IMPARTING TECHNICAL EDUCATION

Poornima College of Engineering (PCE) has been practicing superior standards of education since its inception in the year 2000. Ever since the inception, the college has maintained its eminence as a leading Engineering college in Rajasthan and is ranked the second position among all the technical colleges in Rajasthan. The college is the most sought-after engineering college by the applicants of Engineering degree programs in the state. PCE is moving ahead successfully to attain its vision mission to transform students into high quality engineers and managers who may also enrich the society by their adherence to ethical culture and human values and sense of service to the society and nation. PCE came into existence with the aim of promoting quality in professional & technical education in Jaipur, Rajasthan.



Poornima College of Engineering is promoted by Shanti Education Society (SES) which came into existence in the year 1999 by registering under Rajasthan Societies Act. The Founder Chairman of SES is Shri. Manohar Lal Singhi Founder Vice Chairman is Late Shri Arun Chandra Singhi. The main objective of SES is to promote Technical & Professional Education in the state of Rajasthan with state of art infrastructure and strong academic philosophy. Its secretary, Ar. Shashikant Singhi, who has been a noted practitioner of Architecture and technocrat of repute, presently manages Society and its constituent institutions. Other members of the society are well known professionals.

Poornima has emerged as one of the most preferred engineering colleges among all the colleges in Jaipur and admission seekers in Rajasthan. This has been evident from the choices exercised by students choosing between a variety of top colleges and institutes in Jaipur, year-after-year. Replete with modern education infrastructure, Poornima College of Engineering is spread over 52,500 square meters of constructed area. Approximately 3,700 students are enrolled here and over 1300 students reside in hostels.

Poornima College of Engineering has a very strong research orientation and culture. What sets apart Poornima College of Engineering from other colleges in Jaipur, is, its commitment to high quality and industry recognized delivery of education. Ensuring cultural and social enrichment of its students, PCE successfully tops the list of the top institutes in Jaipur.

Poornima brand symbolizes excellence through innovations, reliability, transparency and professionalism of highest order and instils faith and confidence among all members concerned in India and abroad.

PCE AT A GLANCE:

- The Legacy of Poornima Foundation as a renowned affiliated Technical Institution all over Rajasthan was built up in the area more than 3.5 lakh square feet.
- Approved by AICTE, Ministry of HRD, and Govt. of India and affiliated to Rajasthan Technical University, Kota.
- Successfully running M.Tech in CSE and VLSI.
- The most preferred Engineering College with maximum admissions.
- Natural surrounding with lush green campus imbuing serene ambience.
- Providing live industrial exposure through industrial visits, life projects, industry institute interaction and funding projects.
- Promote research and development activities in the institution through research and development labs.
- Quality enhancement in engineering education (direct to students) and the national mission on education through ICT (direct to faculty) as an authorized remote center (1107). Successfully executing two MHRD missions.
- Successfully running 15th Indian Institute of Remote Sensing (IIRS) outreach programmers of Government of India.
- Catering the needs of Technical boarding engineers house training programs on PLC, Micro-controller, embedded systems, robotics, java, etc. are given to the students.



COVID-19 CRISIS

REINVENTING DIGITAL TRANSFORMATION

- Training to faculty members is given through mission 10x and other training programs.
- To spread the knowledge among students and faculty members research and training as well as extension activities are done.
- Inculcating scientific temper through practicing an ethical, moral and value education.
- To explore Global opportunities in the USA it has collaboration with universities of Illinois, Chicago.
- Striving to achieve and develop skills of Engineering through application of enabling Technologies and dissemination of state of the art knowledge.
- With the work culture of effective theoretical and the practical knowledge imparting effective training to engineering undergraduates is done.
- Organizes extra-curricular activities and co-curricular activities like Aarohan, Aadhar, and Prayogam etc. from time to time in order to boost up the morale of the students.
- All modern accessories required with modern amenities symbolizing excellence so initiative, reliability, transparency quality and professionalism of the highest degree.
- Designated as centre of excellence by IBM the only institution permitted by RTU to admit foreign Nation\person of Indian Origin\gulf students.
- In Association with IEEE, ISTE, IE (I), ISLE, ISHRAE are multiple innovative learning practical based regular programs.
- 36 students' project sponsored by DST, govt. of Rajasthan.
- Cracking exams like TOEFL\GRE\GMAT\CAT and other competitive exams are done by students.
- Grooming and enhancing the personalities of students for multifaceted orientation programmers like Poornima Professional Skills and knowledge enhancement program, Poornima employability enhancement mission etc.
- Encouraging women empowerment under the leadership of women in Science and Engineering (WISE) and Poornima Women Welfare Association (PWWA).
- A Wi-Fi campus with Internet facility for students and faculty members.
- Social welfare activities like blood donation, helping hand to poor, raising funds for flood victims etc. through societies and clubs as a part of regular academics are conducted.
- For students and faculty members, an expanded transportation facility for all corners of Jaipur is given.
- Non-syllabus projects and seminars for practical knowledge and implementation from 1st year onwards are organized.
- The magnificent central library has a rich collection of 44146 volumes of books with 9586 titles, 34 national and 30 international journals and 46 magazines and 110 periodicals magazines along with other reading materials and online subscription and membership of IEEE, IEI, DELNET.
- Anti-ragging squad, mentorship and tutorship providing a secure teaching environment.
- College has tie-ups with Infosys as an advanced partner institute for campus connect program for better knowledge and academic development.
- Equipped with a digital English communication lab for better communication skills and improvement.
- Incentive scheme to raise the level of morale of faculty and staff members as per the academic results and performances.
- Self Help Groups (SHG's) to improve question answering skills of weaker students and to make the group a high achievers group.
- Multi cuisines cafeteria and mess providing better food and services.
- Fostering, creating and promoting the spirit of entrepreneurship through Entrepreneurship Development Cell.
- Comprehensive and advanced information on various diseases and health related issues.
- Mentorship program to interact with seniors and to learn from their experience and knowledge.
- Providing recreational and sports facilities for the better health and mind of the students.
- Running various societies-ISHRAE, ASHRAE and various clubs-literary club, awareness club, green energy club etc.

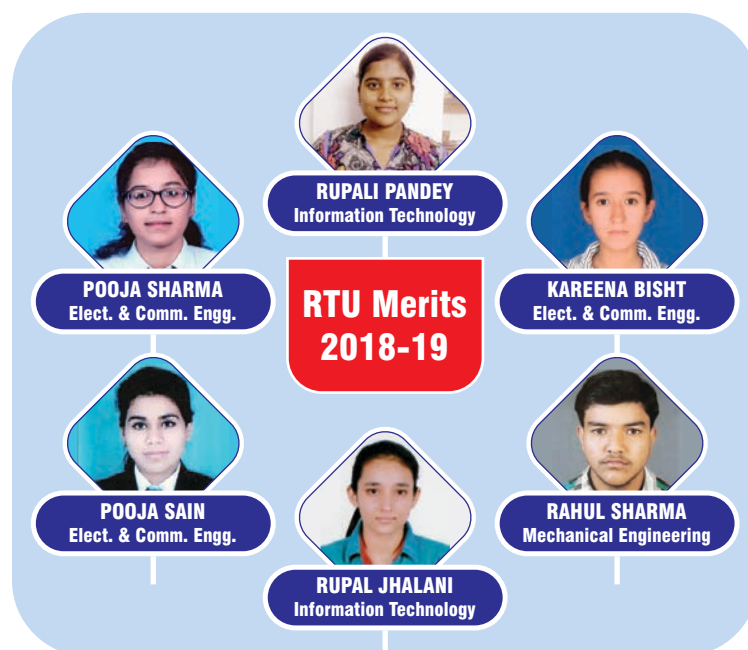
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INTAKE AT PCE

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 Poornima College of Engineering are exposed to the modern and up to date curriculum and contemporary development in various disciplines. The 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 2018-19

S.No.	Branch	Intake
1	Civil Engineering	60
2	Computer Engineering	180
3	Electronics & Comm. Engg.	180
4	Electrical Engineering	180
5	Information Technology	60
6	Mechanical Engineering	120
7	M.Tech CSE	18
8	M.Tech VLSI	18



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 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 in students for learning by developing their creativity and insight. Maintaining its Legacy this year PCE has provided its excellence which is evident from its University results as follows:



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Academic Stars Make Poornima Proud

I SEM

Session: 2018-19



LALIT MEENA
(CIVIL)



SHREYA DADHICH
(CIVIL)



SHIVANI MINA
(CIVIL)



MUSKAN VERMA
(CIVIL)



SHRUTI SHARMA
(CIVIL)



AANCHAL ASNANI
(CS)



ANUSHKA SHARMA
(CS)



LAVESH GARGPINKI
(CS)



POORVI GOYAL
(CS)



SIYA JAIN
(CS)



AMISHA MATHUR
(EC)



BHAVIT JAIN
(EC)



HARSHITA LOHANI
(EC)



JHALAK DASHORA
(EC)



SHREYANSH PATNI
(EE)



ANKIT MALI
(EE)



HARSHVARDHAN SHRINGI
(EE)



MAHENDRA BAIRWA
(EE)



MANSI BARDAWAT
(EE)



MOHIT JOSHI
(EE)



ADITI MAHESHWARI
(IT)



ASHUTOSH KUMAR
(IT)



ESHIKA MITTAL
(IT)



NAMAN KHAMESRA
(IT)

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VARTIKA JAIN
(IT)



NIKITA AGARWAL
(IT)



AKSHIT SINGH
(ME)



MANVENDRA P. SINGH
(ME)



RAVI SHARMA
(ME)



RONAK SHARMA
(ME)



SHIVAM BHAT
(ME)

III SEM
Session: 2018-19



ANIL GUPTA
(Civil)



MAHENDRA CHOUDHARY
(Civil)



PAYASH CHOUDHARY
(Civil)



REENA KOHLI
(Civil)



RESHMA CHOUDHARY
(Civil)



ASHISH KUMAR SHARMA
(CS)



BRAJESH RANJAN
(CS)



RITIKA AGARWAL
(CS)



RUCHIKA AGARWAL
(CS)



VEDIKA GUPTA
(CS)



ADITI AGRAWAL
(EC)



AMAN JAIN
(EC)



JINESH KHANDELWAL
(EC)



SWAPNIL RAJ SONI
(EC)



VANSHIKI AGARWAL
(EC)



ARJUN K. MATHUR
(EE)



ASHUTOSH DASHORA
(EE)

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CHITRANSH VIJAY
(EE)



PANKAJ VIJAYVARGIYA
(EE)



ANSHU AGARWAL
(EE)



ANURAG SHARMA
(IT)



KARAN DEY
(IT)



NITYA NIDHI
(IT)



SHREYA JAIN
(IT)



TRIYANSHI GUPTA
(IT)



AAKASH SHUKLA
(ME)



ASHISH SONWAL
(ME)



PRABHAKAR THAKUR
(ME)



PARAMJEET KUMAWAT
(ME)



YUSUF RAHMANI
(ME)

V SEM
Session: 2019-20



DEEPAK NOLKYA
(Civil)



DIVYA RASTOGI
(Civil)



MOHIT CHOUDHARY
(Civil)



VIKRAM KUMAWAT
(Civil)



VARUN MEHRA
(Civil)



GOVIND SHARMA
(CS)



ISHITA SHARMA
(CS)



OMENDRA SINGH
(CS)



RIDDHIM GUPTA
(CS)



MAHIMA NATANI
(CS)



ADHAAR SAXENA
(EC)

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AMISHA GOSWAMI
(EC)



ISHITA SHIVRAN
(EC)



PRACHI MATHUR
(EC)



NISTHA CHANDALIYA
(EC)



SHREYA MATHUR
(EC)



RAMAKANT GUPTA
(EE)



SAGAR SAHARIYA
(EE)



SAINI ANKIT SURESH
(EE)



SHUBHANG AGARWAL
(EE)



SHUBHIT SINGH BISHT
(EE)



AMULYA JAIN
(IT)



GAURAV BHARDWAJ
(IT)



KARTIK AGRAWAL
(IT)



LOVELY JAIN
(IT)



NIKHIL SHARMA
(IT)



DEVENDRA SINGH
(ME)



GOVIND PATEL M
(ME)



KANHAIYA KUMAR
(ME)



VEDENDRA NATH MISHRA
(ME)



LAKSHYA SAPRA
(ME)



LEKHA TIWARI
(ME)



RAHUL KUMAR BOHRA
(ME)

VII SEM
Session: 2019-20



HIMMAT SANGWA
(CIVIL)



SAKSHAM SINGH
(CIVIL)

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PRADEEP K. KHANWANI
(Civil)



RITVIK PARYA
(Civil)



SAURABH GUNAWAT
(Civil)



SHASHANK SHUKLA
(Civil)



DISTI JAIN
(CS)



RISHINA DARGAR
(CS)



SHRUTI GANERIWAL
(CS)



SURAJ KUMAR
(CS)



SWAPNIL SINGH
(CS)



KUMAR SAURAV
(EC)



PRACHI SHAH
(EC)



AADESH SHARMA
(EC)



SAKSHI
(EC)



SHAILY AGARWAL
(EC)



JANVI PANWAR
(EE)



KAJAL SAINI
(EE)



SAURABH KESHRI
(EE)



SHRISHTI BANSAL
(EE)



SIMRAN MANDIA
(EE)



AKSHITA PARAKH
(IT)



DIKSHA GUPTA
(IT)



GOURAV AGARWAL
(IT)



JAISHREE NAGAUURI
(IT)



MUKUL
(IT)



GULASHAN KUSHWAH
(ME)

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AAQUL RAHMAN
(ME)



MUKUL SHARMA
(ME)



NAVNEET SHARMA
(ME)



VIKAS KUMAR
(ME)



MOHIT KUMAR
(ME)



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RECOGNITION OF STUDENTS' PERFORMANCE

Poornima is rich in rituals and traditions. One of its rituals is Kalanidhi- the annual prize distribution ceremony. Kalanidhi 2019 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 certificate of appreciation and recognition is also given to them. Parents of the awardees are also invited for the ceremony as it is the 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 honourable college authorities. To sustain the excellence in the academic programs is the pivot factor of Poornima. The moral of students is always kept at the peak to the recognition in the form of awards and honours bestowed to students. The students who were felicitated in the event Kalanidhi 2019 under different categories are:

GOLD MEDALIST WITH ₹ 5100/- CASH & CERTIFICATE TOPPER : SESSION 2017-18

Year	Name of Student	Branch	Marks Obtained
II Year	CHAYAN SHRI SHRIMAL	CS	(1674 / 2000)

SILVER MEDAL WITH RS. 2100/- CASH & CERTIFICATE (SESSION 2017-18)

Year	Name of Student	Branch	Marks Obtained
II Year	HIMMAT SANGWA	CE	1639 / 2000
II Year	DIKSHA BOTHRA	CS	1636 / 2000
II Year	MAHIMA SUKHLECHA	CS	1636 / 2000
II Year	SURAJ KUMAR	CS	1608 / 2000
II Year	PRACHI SHAH	EC	1582 / 2000
II Year	SHAILY AGARWAL	EC	1524 / 2000
II Year	RAJNISH PUSHKARNA	EE	1522 / 2000
II Year	KSHITIJ SHARMA	EE	1557 / 2000
II Year	SAURABH KESHRI	EE	1610 / 2000
II Year	JAISHREE NAGARI	IT	1564 / 2000
II Year	MANVENDRA SINGH	ME	1565 / 2000
II Year	NITIN VERMA	ME	1575 / 2000

SILVER MEDAL WITH RS. 2100/- CASH & CERTIFICATE (SESSION 2018-19)

Year	Name of Student	Branch	Marks Obtained
IV Year	JATIN KANWAT	CE	1698 / 2000
IV Year	ARPIT GARG	CS	1676 / 2000
IV Year	NEHAL JAIN	CS	1715 / 2000
IV Year	MEGHA SIMLOTE	CS	1632 / 2000
IV Year	ISHIKA SHAKTAWAT	EC	1592 / 2000
IV Year	RISHAB AGARWAL	EC	1653 / 2000
IV Year	SAKSHI SHARMA	EC	1596 / 2000
IV Year	ASHWANI SHARMA	EE	1638 / 2000
IV Year	PRASHANT GOCHER	EE	1663 / 2000

GOLD MEDALIST WITH ₹ 5100/- CASH & CERTIFICATE TOPPER : SESSION 2018-19

Year	Name of Student	Branch	Marks Obtained
IV Year	MRIGANKA MATHUR	EE	(1765 / 2000)
III Year	SAURABH KESHRI	EE	(1671 / 2000)
II Year	DIVYA RASTOGI	CE	(2077 / 2400)
I Year	BRAJESH RANJAN SHARMA	CS	(18.29 / 20)
I Year	VEDIKA GUPTA	CS	(18.14 / 20)

SILVER MEDAL WITH RS. 2100/- CASH & CERTIFICATE (SESSION 2018-19)

Year	Name of Student	Branch	Marks Obtained
IV Year	VISHANK BEEL	EE	1668 / 2000
IV Year	NEHAL BANSAL	EE	1600 / 2000
IV Year	RITU JAIN	IT	1556 / 2000
IV Year	GOURAV BAIRWA	ME	1620 / 2000
IV Year	SANDEEP KUMAR	ME	1630 / 2000
IV Year	SHIVAM PANERI	ME	1698 / 2000
III Year	HIMMAT SANGWA	CE	1662 / 2000
III Year	DISTI JAIN	CS	1661 / 2000
III Year	SHRUTI GANERIWAL	CS	1658 / 2000
III Year	KUMAR SAURAV	EC	1638 / 2000
III Year	RUCHIKA SHARMA	EC	1616 / 2000
III Year	ABHISHEK PANDEY	EE	1573 / 2000
III Year	JANVI PANWAR	EE	1619 / 2000
III Year	SIMRAN MANDIA	EE	1595 / 2000
III Year	AKSHITA PARAKH	IT	1626 / 2000
III Year	NAVNEET SHARMA	ME	1586 / 2000
III Year	NITIN KHANDELWAL	ME	1561 / 2000
II Year	VIKRAM KUMAR KUMAWAT	CE	1925 / 2400
II Year	ANUSHKA TIWARI	CS	1950 / 2400
II Year	ISHITA SHARMA	CS	2074 / 2400
II Year	MAHIMA NATANI	CS	1979 / 2400

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SILVER MEDAL WITH RS. 2100/- CASH & CERTIFICATE (SESSION 2018-19)

Year	Name of Student	Branch	Marks Obtained
IV Year	VISHANK BEEL	EE	1668 / 2000
II Year	PRACHI MATHUR	EC	1829 / 2400
II Year	MANAS GUPTA	EE	1772 / 2400
II Year	SAGAR SAHARIYA	EE	1879 / 2400
II Year	LOVELY JAIN	IT	1976 / 2400
II Year	LEKHA TIWARI	ME	1912 / 2400
II Year	TUSHAR JINDAL	ME	1662 / 2400
I Year	ANKIT KUMAR	EC	17.81 / 20
I Year	CHITRANSH VIJAY	EE	18.10 / 20
I Year	PANKAJ VIJAY VARGIYA	EE	17.39 / 20
I Year	ANIL GUPTA	CE	17.85 / 20
I Year	PARAMJEET KUMAWAT	ME	17.73 / 20
I Year	DEEPAK KUMAR	CS	17.85 / 20
I Year	NIHARIKA SAINI	CS	17.72 / 20
I Year	SUDHANSHU GUPTA	CS	17.76 / 20
I Year	TRIYANSHI GUPTA	IT	17.10 / 20

Poornima College, Jaipur continued its tradition of celebrating Kalanidhi 2019: Annual Prize Distribution & Appreciation Ceremony. It is celebrated to acknowledge the achievements of our brilliant students who have made both the college and their parents proud by excelling in various fields. The ceremony is held on



October 2nd to recognize the young talents who have made an immense contribution to our college and society. Awards are a way to encourage good behavior and inculcate competitive spirit. So here we have kept awards for academics as well as non-academics.

The Chief Guest of the ceremony was **Dr. S.M. Seth** Chairman (Emeritus) Poornima Group.

The award categories were late. Shri. Arun Chandra Singhi Memorial Award as Best Boy & Best Girl with Cash Prize of Rs. 7500, Gold Medals with Cash Prize of Rs. 5100, Silver Medals with Cash Prize of Rs. 2100, Late. Smt. Basant Kanwar Seth Memorial Award with Cash Prize of Rs. 3500 and many more to admire winners who performed splendidly in their academics and achieved excellence.



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AAROHAN is a Tech-Cult-Sports fest of POORNIMA COLLEGE OF ENGINEERING. This legacy has been passed on since 2009 with great energy and enthusiasm. In the technical field the activities like circuitry, structure design, Robo Race, Robo war etc. are involved so that students can show their technical skills. They make certain robots participate in competitions like Robo Race and Robo Soccer by their robotics knowledge. Also, by the help of their knowledge of circuits they can participate in circuitry events. A stage is also provided to the students who are good in cultural activities. Events like solo dance, solo song, band war, and flash mob, theatrical are present for the talented students to show their cultural qualities. Further, some club activities including English debate, quiz, mystery solver, face painting, PUBG mobile, t-shirt painting, short-film are also a part of AAROHAN-2020. The five-day fest inspired everyone to explore and display their potential to the fullest. On January 22nd, the dedicated team of AAROHAN of PCE has organized EDM night which is basically a DJ night .The night was followed by NINA SUERTE (International Jockey and Musical artist) and TIDDEY (Polished Disk Jockey) with all their energy, passion and determination. On January 23rd, the aarohan team organized Comedy night followed by LOVEJEET SINGH CHAUHAN (Stand-up comedian, comedy artist) and RAJAT CHAUHAN (main lead standup comedian, orator, comedy artist and also the handling body of every comedy / stand-up show being organized in Jaipur city).On January 2020, the team Aarohan has organized Celebrity night at, the beginning was followed by RJ MOHIT by giving a small intro of celebrities. The beginning has been introduced by the DJ beats. Then it was handed over to the ED jockey KALPANIK BASS (Musical artist genre of dance and electronic beats. Around 9:00 pm the great artist KING ROCCO (Musical / EDM artist, lead of MTV Hustle) has take over the audience from his beginning, he has win the heart of whole audience with his great talent.



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ANECDOTES OF PCE

- Second in QIV Ranking by RTU, Kota
- NBA Accredited Institution
- RTU TEQIP III funded activities worth 25 lakh Rupees.
- AICTE funded MODROB, STTP and Conferences worth 30 lakh Rupees during last two years.
- DST and SERB sponsored student projects and faculty research projects.
- Collaboration with Bennett University under Newton Bhabha UK Project in AI and Deep Learning Applications for healthcare and agriculture.
- Organizing IEEE, ACM, Elsevier and Springer International Conferences every year and International Workshops and Seminars.
- Highest placement numbers and the package amongst RTU affiliated colleges
- Poornima Incubation and Innovation Centre (PIIC) to promote the spirit of start-ups
- Strong bonding with industries and corporate sector through collaboration and tie-ups.
- Awarded as Advance Partner Institute by Infosys for successfully running campus connect programme & outstation performance of students in Infosys placement drives
- Industry collaborated certification programs under IBM Career Education Programme in Cloud, Business Intelligence, IoT and Red hat Academy.
- Running MHRD missions on Quality Enhancement in Engineering Education, On Education through ICT in collaboration with IIT Bombay, IIT Madras and IIT Kharagpur.
- Pre-defined focus areas in the departments in line with Industry requirements.
- Beyond curriculum content delivery in terms of Non- syllabus projects, seminars, trainings on future and industry needed technologies, English and Aptitude enhancement etc.
- Mandatory project every semester right from first year.
- Number of Student Clubs such as Automobile, Udaan, Zircon etc organizing large number of activities to develop hard and soft skills.
- Professional Society Chapters such as IEEE, ACM, IETE, ISLE, ISTE, IEI, IETE, CSI, ISHRAE, IGBC, ASHRAE, SAE, etc. for promoting student driven activities.
- Quality paper publications, books & Patents by faculties and students.
- PCE IETE Students Forum is recognized as Most Active ISF by IETE Rajasthan Centre, Jaipur.
- Networking with AIESEC and Global Reach to study, do International Internships and work abroad.
- Students training at top notch organizations such as BARC, ISRO, ONGC, Nagarro, Jaipur Metro, Bosch, Siemens, HCL, L&T, B L Kashyap & Sons Ltd etc
- Encouraging women empowerment through WISE, PWWA, ACM-W.
- Regular participation and winning prizes, in various events & tech fests hosted by IITs, NITs & other top notch institutions of India
- Regular coaching for Basketball, Volleyball and encouragement to participate in sports activities in various parts of country.



RATED GOLD IN

**AICTE & CII
Industry Linked Survey**



RANKED 2ND

**by
Rajasthan Technical University**



ACCREDITED BY NBA

**Computer | Electrical
Elect. & Comm. Engineering**



PLACEMENTS

**4000+ Placement
Last 3 years**

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INITIATIVES AND BENCHMARKS AT PCE

CENTRAL LIBRARY:

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

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

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

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

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

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

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

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

OPAC Search:

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



VARIOUS SERVICES OFFERED BY LIBRARY:

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

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STATISTICS LIBRARY

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

RESEARCH AND DEVELOPMENT LAB:

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

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

INDUSTRY ACADEMIA INTERFACE:

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

International Student and Study Abroad Centre SD GOALS Internship:

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

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

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



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PEEM (Poornima Employability Enhancement Mission):

PEEM was introduced in Poornima Group in academic session of 2013 to 2014 to prepare the budding technocrats for facing the challenges during cracking job interviews. It aims to make the students self-confident and successful in placement to conduction of GD/PI, quantitative aptitude, logical and reasoning, written and spoken English test etc. It focuses on students to make them endowed to face hardships of competitive examination. PEEM is an initiative of its kind and this is another unique feature which distinguishes Poornima Foundation from rest of the educational institutions.



SELFHELP GROUPS:

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



TUTOR SYSTEM:

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

MENTORSHIP:

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

OPEN BOOK TEST:

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

TRANSPORT FACILITY:

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



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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 without 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 placement and training cell of PCE has arranged the visits of various National and International companies for the placement of its student. Training lead to helping hand for answering technical questions of the interviews. Students get an opportunity to interact and share ideas with different people. Information of practical importance is also exchanged in the cell.



Computer Engineering



Elect. Comm. Engineering



Mechanical Engineering



Civil Engineering



Electronics & Comm. Engineering



Information Technology

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PLACEMENT AT A GLANCE

Byju's

S. No.	Name of Student	Branch
1	DEEPANJAL MATHUR	CIVIL
2	AGAT PAREEK	CSE
3	ARSHAD QURESHI	CSE
4	ABHISHEK PRAJAPAT	EE
5	ANSHUMAN	EE

Aavas Finance

S. No.	Name of Student	Branch
1	NITIN JINDAL	EE

Airtel Phase-II

S. No.	Name of Student	Branch
1	TANVI SHARMA	CSE
2	DIPANKAR KUMAR	ECE
3	RAVI KUMAR POKHARNA	ECE
4	GAURAV GUPTA	ECE
5	SHEETAL SHUKLA	ECE

Alok Industries

S. No.	Name of Student	Branch
1	HARSHIT KUMAR SAINI	EE
2	APOORVA BHARDWAJ	ME

Asahi Glass

S. No.	Name of Student	Branch
1	KSHITIJ SHARMA	EE
2	SIDDHANT SINGH	ME

ATCS

S. No.	Name of Student	Branch
1	BHAVIKA ARORA	CSE
2	SHUBHAM TIWARI	CSE
3	YOGITA KHATRI	CSE
4	DIKSHA JANGIR	IT
5	PRANAY BAFNA	IT
6	TANUSHREE RATHORE	IT
7	VIKAS JADON	IT

Cape Electric

S. No.	Name of Student	Branch
1	GOLU KUMAR RAI	EE
2	SRISHTI BANSAL	EE

AU Small Finance

S. No.	Name of Student	Branch
1	JUHI VARSHNEY	CSE
2	ANUJ GUPTA	IT
3	JAYSHREE VASHISTHA	IT

Briskminds Software Solutions

S. No.	Name of Student	Branch
1	MUKUL	IT

Cognizant

S. No.	Name of Student	Branch
1	ANUJ DADHICH	CSE
2	DIPANSHU GOYAL	IT
3	AMAN KHURANA	CSE
4	PRAVEEN DUDI	ECE
5	SATYAM KUMAR	ECE
6	MUKUL	IT
7	AMAN KHURANA	CSE
8	PRAVEEN DUDI	ECE
9	SATYAM KUMAR	ECE
10	MUKUL	IT
11	SHRI KRISHNA SINGH	CSE
12	AADESH SHARMA	ECE
13	NANDITA DAS	ECE
14	PRAVEEN KUMAR SHARMA	ECE

Infochip

S. No.	Name of Student	Branch
1	ANJALI RAJ	ECE
2	ANUJ JAIMAN	ECE
3	PRANJAL MEHARISHI	ECE
4	RITIKA SAINI	ECE
5	SACHIN JAISINGHANI	ECE

Evosys

S. No.	Name of Student	Branch
1	MIRAL MINDA	ECE

Helios

S. No.	Name of Student	Branch
1	CHAHAT JAIN	CSE
2	NANDINI SAHA	IT

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Capgemini

S. No.	Name of Student	Branch
1	APURVA JAIN	CSE
2	DEVESH BAGLA	CSE
3	GOVIND BANSAL	CSE
4	JAHANVI ARORA	CSE
5	KARTIKI BHARGAVA	CSE
6	SHUBHAM KUMAR	CSE
7	VAIBHAV DWIVEDI	CSE
8	CHINMAY JAIN	ECE
9	PRACHI JAIN	ECE
10	PUSHKAR RAJ PANDEY	ECE
11	RITESH KUMAR JAIN	ECE
12	SAKSHI	ECE
13	TUSHAR LALCHANDANI	ECE
14	DHRUTI PATEL	EE
15	YOGITA SUTHAR	EE
16	KRRISH PRATAP SINGH RATHOREEE	
17	RAJNISH PUSHKARNA	EE
18	SAURABH KESHRI	EE
19	SHINU KUNDU	EE
20	SHUBHAM SHARMA	EE
21	AYUSHI AGARWAL	IT
22	DIKSHA KEJRIWAL	IT
23	HIMANSHU DEVRANI	IT
24	ABHISHEK SHARMA	CSE
25	AMAN JAIN	CSE
26	AYUSH TODI	CSE
27	BHAVIN MEHTA	CSE
28	DISTI JAIN	CSE
29	DIVYANSHU SANGHI	CSE
30	EAKTA SHARMA	CSE
31	JAI PRAKASH VADERA	CSE
32	AKSHITA GUPTA	CSE
33	RANU AGARWAL	CSE
34	REENA BADESRA	CSE
35	ISHA MAHESHWARI	ECE
36	KUMAR SAURAV	ECE
37	KUNIKA SARASWAT	ECE
38	PRACHI SHAH	ECE
39	SALONI JAJU	ECE
40	SANJAY CHOUHAN	ECE
41	SHUBHAM SINGHAL	ECE

42	TANYA MITTAL	ECE
43	NISHTHA AGARWAL	IT
44	SUDHANSHU KUMAR	CSE
45	GAURAV GUPTA	ECE
46	LAKSHAY KUMAR	ECE
47	MOHIT SONI	ECE
48	MUKTA BHARGAVA	ECE
49	SHEETAL SHUKLA	ECE
50	SHIVAM RATHOR	ECE
51	ADITYA GAURAV	EE
52	ANIMESH GAUTAM	EE
53	ANSHUMAN	EE
54	HARSHAL CHOUDHARY	EE
55	SACHIN KUMAR YADAV	EE
56	SHIV PRASAD NAGAR	EE
57	AVINASH RAJ	IT
58	RAVI RANJAN	ME
59	SURESH CHAND GUPTA	ME
60	ANUJ JAIMAN	ECE
61	MIRAL MINDA	ECE

Federal Bank

S. No.	Name of Student	Branch
1	NEHAL SAHU	EE

Henson Group

S. No.	Name of Student	Branch
1	HARSHIL ASSUDANI	CSE

IBM

S. No.	Name of Student	Branch
1	JITENDRA SINGH DHAKAD	CSE
2	PANKAJ JHALANI	CSE
3	CHAHAT JAIN	CSE
4	GAGAN JANGID	CSE
5	SHRUTI JAIN	ECE
6	DIKSHA KEJRIWAL	IT
7	PRATIK CHOUHAN	IT
8	ABHISHEK SHARMA	CSE
9	DIKSHA GUPTA	ITE

InfoObject

S. No.	Name of Student	Branch
1	SHIVANGI SHARMA	IT

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Infosys Ltd.

S. No.	Name of Student	Branch
1	ABHISHEK SHARMA	CSE
2	AMAN JAIN	CSE
3	AMIT KHURANA	CSE
4	ANJUL MITTAL	CSE
5	AYUSH TODI	CSE
6	BHAVIN MEHTA	CSE
7	DIMPLE SINGHANI	CSE
8	DISTI JAIN	CSE
9	DIVYA GUPTA	CSE
10	DIVYANSHU SANGHI	CSE
11	EAKTA SHARMA	CSE
12	KOMAL JASWANI	CSE
13	MAHIMA SUKHLECHA	CSE
14	MEGHA GUPTA	CSE
15	ABHISHEK SHUKLA	CSE
16	AKSHITA GUPTA	CSE
17	AMIT KUMAR	CSE
18	ESHAN TALWADIYA	CSE
19	MOHIT AGARWAL	CSE
20	RAJENDRA SINGH DEVARA	CSE
21	RANU AGARWAL	CSE
22	REENA BADESRA	CSE
23	VIKRAM SINGH BHATI	CSE
24	VINAMRA SHARMA	CSE
25	ADITYA JHA	ECE
26	AKSHAT AGRAWAL	ECE
27	ISHA MAHESHWARI	ECE
28	KUMAR SAURAV	ECE
29	KUNIKA SARASWAT	ECE
30	MRINAL TYAGI	ECE
31	PRACHI SHAH	ECE
32	PRANJAL SHARMA	ECE
33	SALONI JAJU	ECE
34	SANJAY CHOUHAN	ECE
35	SHAILY AGARWAL	ECE
36	SHRUTI JAIN	ECE
37	SHUBHAM SINGHAL	ECE
38	SONIYA MOOLCHAND HEERA	ECE
39	TANYA MITTAL	ECE
40	VIBHA BENIWAL	ECE
41	ANCHAL BANWAL	EE

42	AKANKSHA BANSAL	IT
43	AKSHITA PARAKH	IT
44	AMAN PAREEK	IT
45	JAISHREE NAGAURI	IT
46	NIDHI JOSHI	IT
47	NISHTHA AGARWAL	IT
48	AMAN KUMAR	ME
49	ANKIT KUMAR SAH	ME
50	PRAKASH SUTHAR	ME

Infosys Ltd. by Hackwithinfy

S. No.	Name of Student	Branch
1	SUDHANSHU JAIN	CSE

Infosys Ltd. by InfyTQ

S. No.	Name of Student	Branch
1	AAYUSH JAIN	CSE
2	ABHIJEET SHARMA	CSE
3	CHAYAN SHRI SHRIMAL	CSE
4	KAUSTUBH GOYAL	CSE
5	JAYA SACHDEV	CSE
6	MOHIT SAINI	CSE
7	PRANJAL SHAH	CSE
8	PRATEEK KUMAWAT	CSE
9	SAKSHI AGARWAL	CSE
10	SANJOLI JAIN	CSE
11	SHIVANSH MATHUR	CSE
12	SIDHANT RAI SHARMA	CSE
13	SORABH MIRCHONIA	CSE
14	TAMANNA UPADHYAY	CSE
15	DIKSHA GUPTA	IT
16	ROUSHAN VERMA	IT
17	SANJU SOLANKI	IT
18	SIDDHARTH JAIN	IT

Infosys Ltd. by InfyTQ

S. No.	Name of Student	Branch
1	PULKIT AGRAWAL	CSE

Innoraft

S. No.	Name of Student	Branch
1	YASH BHARADWAJ	CSE
2	YOGITA SHARMA	CSE
3	KUNAL CHAUDHARY	ECE

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Pinnacle Infotech

S. No.	Name of Student	Branch
1	SAQUIB ALI MIR	CIVIL
2	BHUMIKA BARODIA	CIVIL
3	DIVYANSHU YADAV	CIVIL
4	HIMANSHU RATHORE	CIVIL
5	KUNAL JANI	CIVIL
6	PRADEEP KUMAR KHANWANI	CIVIL
7	SHASHANK SHUKLA	CIVIL
8	ABHISHEK PANDEY	EE
9	AWANISH MISHRA	EE
10	HIMANI	EE
11	KAJAL SAINI	EE
12	NISHA SAINI	EE
13	PUNIT FAUJDAR	EE
14	PURU SRIVASTAVA	EE
15	AMAN TAILOR	ME
16	HARENDRA SINGH RATHORE	ME
17	JITESH KUMAR SHARMA	ME
18	JITESH SHARMA	ME
19	LAKSHIT SINGH SANKHLA	ME
20	LALIT KUMAWAT	ME
21	MANVENDRA SINGH	ME
22	MAYANK KUMAR	ME
23	MUKUL SHARMA	ME
24	NAVEEN SINGH CHOUDHARY	ME
25	NAVNEET SHARMA	ME
26	NITIN KHANDELWAL	ME
27	PRANISH ARORA	ME
28	PRIYANSHU KHANDELWAL	ME
29	SAHIL KHAN	ME
30	SHAKTI PRATAP SINGH	ME
31	SMITESH RAJ	ME
32	TAUSEEF RAZA	ME
33	TOSIF AHMED	ME
34	TUSHAR TOLAMBIYA	ME
35	VIKAS KUMAR	ME

Jaro Education Phase-II

S. No.	Name of Student	Branch
1	ANSH	ECE

Koyo Electronics

S. No.	Name of Student	Branch
1	PRAVEEN DUDI	ECE

Infosys Ltd. by InfyTQ

S. No.	Name of Student	Branch
1	ADITYA RAJORA	CSE
2	AYUSH KUMAR	CSE
3	BHAVIKA SABNANI	CSE
4	CHANDAN AGRAWAL	CSE
5	DIKSHA BOTHRA	CSE
6	GARVIT SHARMA	CSE
7	JAI PRAKASH VADERA	CSE
8	MANSI SINGH	CSE
9	PIYUSH VAISHYA	CSE
10	PRAKHAR SINGHAL	CSE
11	SAHIL CHOPRA	CSE
12	SHRUTI GANERIWAL	CSE
13	SURAJ KUMAR	CSE
14	SWAPNIL SINGH	CSE
15	AYUSH TRIVEDI	IT
16	GOURAV AGARWAL	IT

Rapidops

S. No.	Name of Student	Branch
1	OMENDRA SINGH SHEKHAWAT	IT
2	SARANG JAIN	IT

Infosys Ltd.

S. No.	Name of Student	Branch
1	HIMANSHU RATHORE	CIVIL
2	HIMANI	EE
3	NISHA SAINI	EE
4	DIKSHA GUPTA	IT
5	SIDDHARTH JAIN	IT
6	MANVENDRA SINGH	ME
7	MUKUL SHARMA	ME

Infosys Ltd. by Hackwithinfy

S. No.	Name of Student	Branch
1	AAYUSH JAIN	CSE
2	CHAYAN SHRI SHRIMAL	CSE
3	MOHIT SAINI	CSE
4	ROUSHAN VERMA	IT

SunArc

S. No.	Name of Student	Branch
1	ANKITA SONI	ECE
2	SHUBHALI RAJ	ECE

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Shriram General

S. No.	Name of Student	Branch
1	ANAMIKA	ECE
2	ASHISH CHHIPA	ECE
3	ASHUTOSH KUMAR	ECE
4	NEHA CHOUHAN	ECE
5	PRASHANT SHARMA	ECE
6	RAM KINKAR DAS TRIPATHI	ECE
7	TANAY PUROHIT	ECE
8	ABHISHEK KUMAR	EE
9	ABHISHEK SINGH RAO	EE
10	ADITYA SINGH	EE
11	AKASH TANWAR	EE
12	AMIT KUMAR MISHRA	EE
13	BANTI SAINI	EE
14	DEEPESH GUPTA	EE
15	GOURANK NUWAL	EE
16	HARDIK AGRAWAL	EE
17	KULDEEP SAINI	EE
18	MADHUP SINGHAL	EE
19	NISHA SAINI	EE
20	PANKAJ KUMAR LAKHARA	EE
21	RAMJEET BAIRWA	EE
22	RISHAV KUMAR DUBEY	EE
23	ROHAN SHARMA	EE
24	ROHIT CHOUHAN	EE
25	SHOBHRAJ KHICHI	EE
26	SIMRAN MANDIA	EE
27	UDDESHYA KUMAR	EE
28	UTSAV MAHARISHI	EE
29	UTTAM KUMAR	EE
30	VAIBHAV TIWARI	EE
31	VIPIN GAUTAM	EE
32	VISHNU VIJAY	EE
33	ABHISHEK KUMAWAT	ME
34	AJEET KUMAR	ME
35	ANSHU KUMAR PATEL	ME
36	ARVIND SINGH MIROLA	ME
37	BHARAT SEERVI	ME
38	BHAWANI RAJ SINGH RANAWAT	ME
39	GOUTAM SINGH	ME
40	GULASHAN KUMAR KUSHWAH	ME
41	HARISH PANDIA	ME

42	HARSH BHARDWAJ	ME
43	HEMANT KUMAR JANGIR	ME
44	JAIN AMAN MUKESH	ME
45	KSHITIJ KUMAR	ME
46	MD AAQUIL RAHMAN	ME
47	NITESH TURKIYA	ME
48	RAHUL MEENA	ME
49	RAVI KUMAR BAIRWA	ME
50	SHIVMANI KUMAR	ME
51	SURAJ KUMAR CHOUDHARY	ME
52	VINEET SHARMA	ME
53	YOGESH GUPTA	ME
54	JITESH KUMAR SHARMA	ME
55	JITESH SHARMA	ME
56	NITIN KHANDELWAL	ME
57	SMITESH RAJ	ME
58	TUSHAR TOLAMBIYA	ME
59	UDIT CHAUHAN	ME

Infosys Ltd.

S. No.	Name of Student	Branch
1	HIMANSHU RATHORE	CIVIL
2	HIMANI	EE
3	NISHA SAINI	EE
4	DIKSHA GUPTA	IT
5	SIDDHARTH JAIN	IT
6	MANVENDRA SINGH	ME
7	MUKUL SHARMA	ME

Smart Stream Technologies

S. No.	Name of Student	Branch
1	IMRAN KHAN	IT

Synoriq

S. No.	Name of Student	Branch
1	GAGAN JANGID	CSE
2	ASHUTOSH GARG	IT
3	PRADEEP KUMAR SUTHAR	IT

TCS TNQT-Digital

S. No.	Name of Student	Branch
1	ADITYA RAJORA	CSE
2	MOHIT AGARWAL	CSE
3	SHRUTI GANERIWAL	CSE

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TCS TNQT-Ninja

S. No.	Name of Student	Branch
1	AMAN KHURANA	CSE
2	MADHURI SWAMI	CSE
3	RISHINA DARGAR	CSE
4	BHUVNESH GOYAL	ECE
5	DINESH KUMAWAT	ECE
6	DIVYANSHU MANI MISHRA	ECE
7	ROSHAN SINGH	ECE
8	SATYAM KUMAR	ECE
9	VIKASH RAJ	ECE
10	NASHIT HUSSAIN	IT
11	ASHISH RANJAN	ME
12	ABHIJEET SHARMA	CSE
13	AMIT KHURANA	CSE
14	ANJUL MITTAL	CSE
15	BHAVIKA SABNANI	CSE
16	DEVESH BAGLA	CSE
17	DIMPLE SINGHANI	CSE
18	GARVIT SHARMA	CSE
19	GOVIND BANSAL	CSE
20	KAUSTUBH GOYAL	CSE
21	MAHIMA SUKHLECHA	CSE
22	MANSI SINGH	CSE
23	JAYA SACHDEV	CSE
24	PIYUSH VAISHYA	CSE
25	SANJOLI JAIN	CSE
26	SHUBHAM KUMAR	CSE
27	SURAJ KUMAR	CSE
28	VIKRAM SINGH BHATI	CSE
29	AWANISH MISHRA	EE
30	AYUSH TRIVEDI	IT
31	GOURAV AGARWAL	IT
32	NIDHI JOSHI	IT
33	DIVYANSHU SANGHI	CSE
34	EAKTA SHARMA	CSE
35	KUNIKA SARASWAT	ECE
36	PRACHI SHAH	ECE
37	SALONI JAJU	ECE
38	NISHA SAINI	EE
39	DIKSHA GUPTA	IT
40	ADITYA RAJORA	CSE
41	MOHIT AGARWAL	CSE

TCS Codevita-Ninja

S. No.	Name of Student	Branch
1	ABHIJEET SHARMA	CSE
2	BHAVIKA SABNANI	CSE
3	GARVIT SHARMA	CSE
4	KAUSTUBH GOYAL	CSE
5	MANSI SINGH	CSE
6	DISTI JAIN	CSE

Chegg India

S. No.	Name of Student	Branch
1	SHRI KRISHNA SINGH	CSE
2	AADESH SHARMA	ECE
3	ROHIT SHARMA	ECE
4	GOURANK NUWAL	EE

Smart Stream Technologies

S. No.	Name of Student	Branch
1	IMRAN KHAN	IT

TCS TNQT-Ninja

S. No.	Name of Student	Branch
1	AMAN KHURANA	CSE
2	MADHURI SWAMI	CSE
3	RISHINA DARGAR	CSE
4	BHUVNESH GOYAL	ECE
5	DINESH KUMAWAT	ECE
6	DIVYANSHU MANI MISHRA	ECE

Doubtnut

S. No.	Name of Student	Branch
1	RAVI KUMAR BAIRWA	ME

Gram Power

S. No.	Name of Student	Branch
1	NISHA SAINI	EE

TCS Codevita-Digital

S. No.	Name of Student	Branch
1	SHRUTI GANERIWAL	CSE

Windmoller & Holscher

S. No.	Name of Student	Branch
1	VINEET SHARMA	ME

TCS Codevita-Digital

S. No.	Name of Student	Branch
1	AAYUSH JAIN	CSE

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KHUSIRAM MEENA
(Electrical Engineering)



PRAMOD PRAJAPAT
(Electrical Engineering)



SURYA PRAKASH MEENA
(Electrical Engineering)



AJAY MAHAVAR
(Electrical Engineering)



ABHISHEK JAIN
(Electrical Engineering)



AKSHAY GADHWAL
(Electrical Engineering)



HIMMAT SANGWA
(Civil Engineering)



RITTVIK PARYA
(Civil Engineering)



SAURABH GUNAWAT
(Civil Engineering)



GOURAV AGARWAL
(Information Technology)



NISHTHA AGARWAL
(Information Technology)



VINNY BANSHIWAL
(Information Technology)



VIKASH KUMAR YADAV
(Mechanical Engineering)



VINEET SHARMA
(Mechanical Engineering)

Laurels Gate Results



SUDHIR KUMAR
(Mechanical Engineering)



MANVENDRA SINGH
(Mechanical Engineering)



ANKIT KUMAR SAH
(Mechanical Engineering)



AYUSH TODI
(Computer Engineering)



BHAVIKA SABNANI
(Computer Engineering)



CHAYAN SHRI SHRIMAL
(Computer Engineering)



DIKSHA BOTHRA
(Computer Engineering)



VIKRAM SINGH BHATI
(Computer Engineering)



RANU AGRAWAL
(Electrical Engineering)



PRAKHAR SINGHAL
(Computer Engineering)



SWAPNIL SINGH
(Computer Engineering)



YASH BHARADWAJ
(Computer Engineering)



TUSHAR LALCHANDANI
(Elect. & Comm. Engg.)



SHRUTI JAIN
(Elect. & Comm. Engg.)

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Message

I am glad to learn that Poornima College of Engineering is coming up with its Annual Magazine “Poornima Winners” for the session 2019-2020 on the theme “Covid -19 Crisis, Reinventing Digital Transformation”. In addition to the numerous achievements of the institute this is yet another milestone in their curricular and co-curricular activities. I hope the magazine will bring creative talents of the students of the Institute.

We, at Poornima provide opportunity to each child to progress and experience success. We follow a collaborative approach where the institution, parents and faculties form a partnership and support each other through the students’ journey in college. Due to rapid development of technology our faculties are trained to provide technology supported learning opportunities to the students.

Our Alumni have always played a major role in enlightening and strengthening Poornima by their victories. Alumni are our real ambassador who has tied juniors with their support and guidance. It is through them we are known in the world around.

The Alumni Association has always manifested in joining the weak bonds together and creating a fresh & new via the office of alumni & corporate relations.

My felicitations and best wishes to the editors and wishing all alumni a very successful professional and personal life.

Smt. Renu Singhi
Advisor
Poornima Alumni Association

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Message

I believe that the objective of education is to turn mirrors into windows, windows of opportunity that allow you to fulfil your dreams. This can happen only when along with studies equal emphasis is given on curricular, co-curricular or extra-curricular activities so that students can explore his/her own capabilities and areas of interest. We at Poornima are committed to make our Graduates employable and Industry ready and for this students are exposed to various modules right from the First year thus helping students to develop skills that will prepare them to manage and lead varied opportunities and challenges.

With warm regards
Ms. Dipti Lodha
Director Corporate Relations
Placements & Training
Alumni Relations

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POORNIMA ALUMNI ASSOCIATION

VISION : To develop and maintain a strong relation with Alumni and Poornima family, to develop faster networking and communication among Alumni and other stake holders.

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

With the objective to bring all the alumni of the college together, Poornima Alumni Association (PAA) 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.

DEGREE DISTRIBUTION

The degree distribution ceremony 2019 was organized at Poornima College of Engineering, Jaipur on 19th of August from 12 pm onwards. The program commenced with the remarkable presence of Sh. C.R. Ojha, Group Director, DRDO, Guest of Honor Mr. Rahul Singhi, Director, Poornima Foundation, Dr. Mahesh M Bunde, Director, Poornima College of Engineering, Mr. Pankaj Dhemla, Vice Principal, Poornima College of Engineering, Mr. Amit Gupta, Chief Proctor, Poornima College of Engineering, All the Head of Departments, Faculty, Staff member and the Alumnus. The main purpose of the degree distribution ceremony was to felicitate the entire alumnus with their Bachelor's and Master's degrees.

The ceremony was started by welcoming alumni traditionally. The program began with a lamp lighting ceremony of goddess Saraswati and paying gratitude to the nation by the National Anthem. An inspiring speech was delivered by Hon'ble Chief Guest throwing light upon the wonders of education and engineering in our life and also shared his work experience with Dr. APJ Abdul Kalam. Each one of them was given a degree by their head of department and our chief guest. Mr. Rahul Singhi addressed the alumni with his words of wisdom. He cited how the colleges are making astound progress in different horizons of recreation as well as academic province. He also mentioned the formation of a student body in college that would highly energize student interaction in various clubs and events. At the end ceremony was declared closed with a vote of thanks by Prof. Pankaj Dhemla. All the alumni, chief guest, director sir, and faculty members present were marched for the group photograph.

The aim of the degree distribution ceremony was appreciated by the entire alumnus and the whole ceremony was organized by Poornima Alumni Association.



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Annual Alumni Meet-2019

The Annual Alumni Meet was successfully organized by Poornima College of Engineering hand in hand with Poornima Alumni Association on January 26, 2020. The program commenced with the remarkable presence of Mr. Sashikant Singhi (Chairman, Poornima Foundation), Mr. Rahul Singhi (Director, Poornima Group), Mrs. Renu Singhi (Advisor Poornima Alumni Association), Mr. Pankaj Dhemia (vice principal, PCE), Mrs. Deepti Lodha (Chief TPO) and Mr. Rajeev David (Proctor in chief). The aim of the alumni meet was to update data of alumni and increase connectivity between alumni and college.



The alumni were traditionally welcomed and were taken to the registration desk where their profile was updated in the database. Then alumni were guided towards PCE garden where many fun activities were being organized where they were seen participating wholeheartedly with faculty members and respective HOD's. Some of those events include tug of war, paper dance, musical chair, gully cricket, passing the parcel and many more where alumni enjoyed a lot. Then refreshment was served where all the alumni were seen discussing their old school stories. The event took a step forward when all the alumni, faculty members and head of respected departments were seated in PCE garden in which a bonfire setup was arranged and students gave alluring performances which can't hold the steps of alumni who shared their views and described college life in their own unique way

which created a whole different ambience, then the event preceded by speech of our dignitaries in which they emphasized on the change in culture and infrastructure of our campus, highlighted the achievements of students and college. Subsequently an award presentation ceremony was being organized under which two awards, Iconic Poornima award, which on the basis of voting is won by Ankur Deol, was presented by Mrs. Renu Singhi and Distinguish Poornima award was won by Lakshman Singh Gurjar which was presented by Mr. Shashikant Singhi.



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VIEWS OF ALUMNI



“Poornima is the best college I have seen in Jaipur. It is the place that helped me grow and understand myself better. This college will not just guide you for things, but also will help you step by step. I feel proud to be a part of Poornima Alumni. It is always a nice feeling to return to our alma mater and recall the old memories. Appreciate the hard work of the association.”

~ **Akshita Sharma** (Software Engineer, Infosys)

“Poornima is a place where we get to learn discipline, punctuality and responsibility. They do not just impose rules but also make you follow them, these uniforms are the least of the example of it. I have always admired the college more after I was completed with it. I feel very excited to come here every time, as brings back all the old thoughts and feelings. This college made me what I am today.”

~ **Abhishek Sehgal** (Field Engineer, Reliance Jio Infocomm Ltd.)



“Poornima is a place of discipline and punctuality. It makes us able to co-op up with the corporate world by training us from the very beginning. The training and placement do everything possible to make the student capable to handle the actual Placement drive. It is always special to get recognised for your hard work and time. It is good to be here meeting with all old friends and feeling nostalgic. Thank you Poornima for all that you gave me and all of us as students.”

~ **Astha Soni** (Software Engineer, Infosys)

“Poornima seems to nurture the true talent in the students from the very beginning. The way we are taught is actually enough and what is left for us is the revision or extra study. Poornima also offer us with different opportunities for extra-curricular things. It is great to see my own college develop better and better day by day. It feels awesome to come back and meet with friends and Faculty”

~ **Varun Sharma** (Technical Service Engineer, Schueco)



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LANDMARKS

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



POORNIMA MANTHAN-2019 : As per its tradition for past 17 years, Poornima College hosted a National Level – Inter College Debate Competition on 16th October 2019. The competition was held prestigiously and all the colleges across the India were warmly invited to participate. The topic selected by the organizing panel was totally neutral and related to the current scenario. The topic selected this year was "This house believes that implementation of the new motor vehicle act will inculcate discipline in citizens of India" The topic had too much to offer from both the sides of the notion. 34 teams of 26 colleges from all over India participated in the competition with the full spirit to grab the Running Trophy of

Manthan 2019. Chief Guest of the occasion was Mr Nitesh Saboo, Chair- Yi Jaipur Chapter & Director, Shreya Petrochem Ltd. The Judges for the event were Mr. Shrikant Gupta, Director, IICS Jodhpur, Mr Himanshu Mittal, Chair- Yi Jaipur Thought Leadership Vertical & General Manager,



Mittal Brothers. The guest and the jury were overjoyed by listening to the views of the next generation. The event was also graced by our dignitaries Sh. M.K.M. Shah, Director Admin. & Finance, PG, Sh. Pankaj Dhemla, Vice Principal, PCE and Ar. Rahul Singhi, Director, Poornima Group. The cluster of elite students exchanged their views as government and opposition parties on the same topic. The debate opened new horizons for India to ponder over and showed variety of thoughts. The level of debate showed the amount of research done by the students. The event culminated with prizes for Winners and Runner's Up position among all the teams was distributed. Other Participants were also extremely delighting with their Certificates of participation.

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BLOOD DONATION :

Blood is the most precious gift that anyone can give to another person — the gift of life. On 5th September 2019 at Poornima College of Engineering Blood Donation Camp was organized with the slogan 'DONATE BLOOD, SAVE LIVES'. Students, Faculty Members and Staff Members became the part of the day and with the feeling of Saving Lives.



FACULTY FELICITATION (5th September 2019):

In India, 5th September is celebrated as Teachers' Day as a mark of tribute to the contribution made by teachers to the society. 5th September is the birth anniversary of a great teacher Dr.Sarvepalli Radhakrishnan, who was a staunch believer of education and was a well-known diplomat, scholar, the President of India and above all, a teacher. Each year Poornima College also follows the same tradition and organizes Faculty Felicitation Programme to appreciate the Gurus with awards and achievements based on the RTU results.



Faculty and Staff Excursion (January 12, 2020) : Poornima believes in the tradition of spending quality time with the Faculty and Staff members and to commemorate the management had organized a Recreational Activity for all the members of Poornima on 12th January 2020 at Ramada, Ajmer. The motive behind the excursion was to rejuvenate the memories and knowing each other well. The activity was conducted with full enthusiasm and everyone enjoyed the day and stay.

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REPUBLIC DAY :

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



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WISE: WOMEN IN SCIENCE & ENGINEERING

"Let's make sure women and girls can shape the policies, services and infrastructure that impact all our lives. And let's support women and girls who are breaking down barriers to create a better world for everyone."

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

MISSION : To evolve and develop skill based systems in PCE showcasing different activities to groom their overall personality.

ABOUT PWWA & WISE AT PCE: Women are the foundation of every society. Women can do a lot in the society, what is needed; she herself should identify her strengths and work on it to build a strong society. A woman can not only change anything but also can change everything. "Women are the real Architect of Society". So, women at PCE have clasped and formed a club 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.

OBJECTIVE : Women are the foundation of every society. Women can do a lot in the society, what is needed, she herself should identify her strengths and work on it to build a strong society. A woman can change everything. "Women are the real Architects of Society". So, women at PCE have clasped and formed a club-Women in Science and Engineering (WISE) Under PWWA (Poornima Women Welfare Association) to propagate importance and relevance of women education in science and engineering . This year eight activities of WISE were organized with the coordination of the concerned department to encourage the maximum participation of girls.



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PWWA & WISE ACTIVITY:

Poster Making Competition (Saturday, July 27, 2019):

A poster making competition was organised by CS department of Poornima college of Engineering on July 27, 2019 on Contribution of technology in our Society. The event started at 11:40 a.m and students were enthusiastic. The main objective of the event was to engross the hidden talent of the students. The students showed their abilities through art where in they expressed their feelings in the form of quotations, paintings, sketch etc. All the students participated and performed well and among them the winners were Shivani Sinha, Tanu Sharma of 3rd year.



Rakhi Making and Mehndi Competition on Occasion of Teej Celebration (Saturday, August 03, 2019):

On August 03, 2019, Department of EE and Central Library of Poornima College of Engineering conducted an event on the occasion of Teej festival. Under this event, a Mehndi competition & Rakhi making competition was organized by WISE club at the Reference section of Central library. The event started at 1:00 p.m. All students were very enthusiastic. They decorated the library and showed their talent of craft by making beautiful Rakhi's and skill of making Mehndi. Total 47 students participated in the competition. All the students participated and performed well and among them the winners of Rakhi Making were Pratiksha Sahu & Vishesha Upadhyay (EC,3rd Year), MadhuYadav & Mansi Agarwal (Civil, 3rd Year) & Reshu Kumari (EC,3rd Year), the winner of Mehendi Competition were Vedika Gupta (CS,2nd Year), Sweety Jain (EC,2nd Year) & Nistha Chandaliya (EC,3rd Year). The winners were awarded with certificates. Faculty members from all departments also appreciated the talent of girls. Female faculty members also participated in various activities like Dance, Mehendi & Antakshari. Mr. Mahesh Bunde (Director, PCE) & Punit Shukla (Registrar, PCE) also visited the venue and appreciated and encouraged the collective efforts of students. At the end Vote of Thanks was given by Dr. Shuchi Dave, Chairperson PWWA & WISE.



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Introduction of PWWA and WISE to First Year Students: A 40 minutes PPT presentation about PWWA vision, mission and objectives was presented by WISE student Coordinators, on 20 January, 2020(Monday) for first year female students. The event was organised by faculty coordinator (Ms Riddhi Shrivastava) of WISE with the support of Dr Mahesh Bunde, Director, PCE and First year HOD Mr Amitesh Kumar. The objective of the interactive session was to make female students aware of laws defined in the constitution of India to protect them from any consequences of sexual harassment which can happen to them at any time in their lives. They also explained about



the women cell working in the PCE campus for the welfare of the female students. The session was started with the welcome note followed by student coordinators under the guidance of Dr Shuchi Dave, Chairperson PWWA & WISE. The session was conducted by Ms Reshu Kumari (Third year, ECE) and Ms. Prachi Mishra (Third year, ECE) Reena Kohli (Second year ,Civil). The power point presentation was delivered with a motto to emphasize women empowerment as well as to promote zero tolerance towards any kind of harassment. The session was followed by the vote of thanks by Dr. Shuchi Dave Chairperson PWWA & WISE. She showed her gratitude towards the speaker, audience and members of WISE committee for

the cognitive support . The ceremony ended with the Poornima Gaan. PWWA & WISE chairperson is thankful for Director (Dr. Mahesh bundele) and Principal (Mr. Pankaj Dhemla), PCE for their support and Guidance.

International Girl Child Day Celebration (October 11, 2019): First year girls of PCE (Poornima College of Engineering) & PIET (Poornima Institute of Engineering and Technology) organized a rally with the collaboration of student council and WISE Group on the International Day of the Girl Child on 11th October. About fifty students of PCE and 25 students of PIET were involved with 15 students of the drama club in this rally. The rally started from PCE main gate to IIS international school under the guidance of Ms. Meena Tekriwal & Ms. Riddhi Shrivastava, Assistant Professor, Chemistry, First year. At IIS school students of Dram Club (PF) presented a “Nukkad natak” based on saving girl children for about 15 minutes in front of IIS girls’ students and Poornima girls. The performance was appreciated by the Principal of IIS School.



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DEPARTMENT OF I YEAR

About the Department

The Department of First Year in PCE was established in the year 2000 and currently takes pride in educating over 550 students distributed in 11 sections for CE, IT and EC (6 sections - Group A) and EE, ME and Civil (5 sections - Group B). The curriculum of First year comprehends the development of fundamental knowledge and skill related primarily applied sciences including Engineering Physics, Chemistry, Mathematics, Communicative English, and engineering subjects like Computer programming supplemented with elective courses in Basic Electrical & Electronics Engineering, Engineering Mechanics, Basic Mechanical Engineering and Basic Civil Engineering, related laboratories and workshops.

Club Activities are an integral part of First year which comprises of 3 clubs namely Literary Club, Educational Growth Club, and Zircon Club. These clubs are coordinated by young and energetic student coordinators. First Year Students participate in the Club activities that are targeted to provide overall personality development crucial for the modern day industry needs. Aadhar Project Competition is one of the popular intra-college events hosted by and for students of I year department of PCE, in which the student compete and exhibit their technical & communication skills by showcasing projects under 11 different categories. Other vivid co-curricular and extra-curricular activities include Seminars, Expert Lectures, and Alumni interactions that are regularly organized by the department for continuous growth of its students. The department is actively carrying out the various ISTE workshops and seminars for students and faculty members. After the completion of I year, a Handover ceremony is conducted in which the Tutors (faculty assigned to a batch of a section, with batch size of nearly 30 students) handover student data including their participation, achievements, interests, attendance and academic patterns to corresponding Tutors of Higher classes of respective engineering programs.



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MESSAGE FROM DEAN

With great pleasure I introduce the First Year Department, Poornima College of Engineering. The department nurtures and moulds the students to enter in the fast changing pragmatic world yet maintaining the sensitivity in them. The Department of First Year, established in 2000, is one of the most dynamic departments of Poornima Group. The department has consistently maintained an exemplary academic and research record. I am really elated to tell that the department stands on the strength of experienced and well qualified faculty who are very dedicated to teaching and also involved in up-gradation of knowledge. Their research experience will help to cultivate the future of our students. With great demand in industry and great placement opportunities, the department stands tall and proud. Our students are not only academically sound and disciplined but they also organize various events like Aadhar, Aarohan, and various other cultural activities to showcase their talents under non – technical, technical and cultural forums. I believe that my team consisting of bright and cream students, staff and faculty is capable of doing wonders. I am happy to see the amount of enthusiasm of eminent members of the college to contribute to the magazine. Not to be outdone, our students have devoted time and plunged into creating powerful stories, heart-warming poems, vivid drawings and informative articles. This shows the positive and creative energy of faculty members and students present in the college. We proudly publish the Annual college magazine in order to show to the outside world, and also to remind the denizens of PCE, the progress we have made so far. We intend to continue presenting the talent and creativity of our staff and students through Dazzle every year. I invite you to read and immerse yourself in the unfolding art and be exulted.



Dr. Rekha Nair

MESSAGE FROM HEAD OF DEPARTMENT

Our college have the distinction of being known as one of the pioneers in the field of Technical education and has been accredited with NBA. Our aim is to remain at the forefront of learning, teaching and research. We strive hard to promote academic excellence and are committed to creating an ambience for fostering innovation and creativity. We seek to be renowned for our distinctive curriculum emphasizing work-integrated learning, learning-based work, problem solving and cross-cultural skills. As a Head of the Department, I provide academic leadership to maintain academic standards. With our distinct student centred teaching-learning methodology, our students will be able to face challenges of life with our holistic approach in teaching and learning encouraging students to indulge in extracurricular activities to shape them as leaders of tomorrow. All these efforts are followed ambitiously to develop the overall personality of the students so as to equip themselves with a modern and sensitive outlook to face the challenges of the competitive world. Our experienced faculty are the strong pillars of the department whose focus is to empower a diverse community of students to nurture their capabilities, transform their lives and find success through high quality teaching and learning. They also encourage engaging with industry and community to make the world a better place through the creation, sharing and use of new knowledge.



Mr. Amitesh Kumar

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MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Session on Soft Skills Development	March 21, 2020	Mr. Punit Shukla
2	Workshop on Application Containers	February 10, 2020	Mr. Deepak Baberwal
3	Yoga Relaxation Exercises	August 20-25, 2019	Dr. Swati Sharma
4	Language and Communication Skills Workshop	August 18-21, 2019	Mr. Sugandha Verma
5	Aadhar 2019-20	October 14, 2019	Mr. Chandan Kr. Dubey
6	Seminar on Gender and Leadership Issues in Education	February 8, 2020	Ms. Meena Tekriwal
7	Orientation Program	August 1-23, 2019	Dr. Rekha Nair
8	International Women's Day	March 8, 2020	Dr. Shuchi Dave
9	Session on Universal Human Values	August 3-9, 2019	Mr. Prince Dawar
10	Session on Professional Ethics	August 10, 2019	Ms. Riddhi Shrivastava
11	Education for Safety	July 25, 2019	Dr. Shilpi Jain

FIRST YEAR INAUGURAL SESSION STUDENT INDUCTION PROGRAM (AUGUST 1, 2019): RTU proposed a 3-week long induction program for the UG students with the purpose of making the students feel comfortable in their new environment and to create a healthy bonding among the students. This provides a platform of interaction and team building with the spirit of learning and positivity. The students not only learn but they

participate also. The induction program of the First year initiated with the registration and the interaction with the Heads of the various departments who made the students know about their departments and its sanctity. Further, to provide a platform to interact with the management of Poornima Group, an inaugural session took place on August 1, 2019 at Arbuda Convention Center with the reporting of budding engineers. The renowned dignitaries Prof. Arun Kant Jha (Chief Guest), Shri Shashikant Singhi (Chairman, Poornima Group) Sh. M K M Shah, Director (Admin.& Fin.), PG Ar. Rahul Singhi (Director, PG) Dr. Mahesh Bunde, (Principal & Director, PCE) Sh. Pankaj Dhemla (Vice Principal, PCE) and Dr. Rekha Nair (Dean, I Year, PCE) graced the occasion along with faculty and staff members. The session initiated with the welcome of dignitaries and the lighting of the lamp followed by Ganesh Vandana. Shri Shashikant Singhi felicitated Prof. Arun Kant Jha (former Head of Department, Mechanical Engineering, IIT BHU Varanasi) and welcomed him. Dr. Mahesh Bunde addressed the gathering with his precious thoughts. Dr. Rekha Nair spoke on overview of the program and informed the students about the academic scenario of the first year department. In his address, Sh. Rahul Singhi shared his views and urged the young technocrats to feel comfortable at the premises of Poornima. Sh. Shashikant Singhi made the students acquainted with the philosophy of Poornima and motivated them. Prof. Arun Kant Jha expressed his words of wisdom and encouraged the students for a successful career in engineering for the development of society and nation. At last, Sh. Pankaj Dhemla proposed the vote of thanks and the inaugural session came to an end with Poornima Gaan.



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FAMILIARIZATION WITH FIRST YEAR DEPARTMENT AND RECREATIONAL ACTIVITIES (AUGUST 2, 2019): The students of First year interacted with their respective departments. According to Poornima Philosophy, the Head of the department talked to the students and made them visit the departments to understand the future perspective of their departments. After the department visit and familiarization, the students of first year participated in literary activities and proficiency modules which provided them a chance to show their hidden talents and the faculty members of first year coordinated these activities as per their respective branch. After this, the students participated in a Quiz Competition and proficiency module through the Google classroom. They were assigned with the codes and they solved and submitted the answers of the quiz through the help of the computers at various labs of PCE. In order to make the students acquainted with the labs of the Department in the first year, they visited the Labs of the Department which was followed by an assessment test related to self grooming and personality development.

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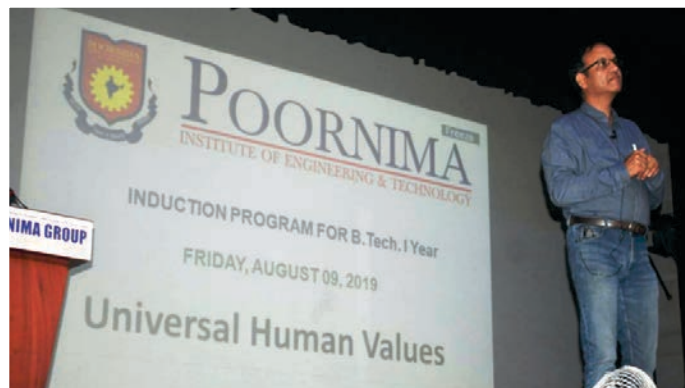


COLLEGE VISIT, UHV SESSIONS AND INTERACTION WITH INDUSTRY EXPERT (5 AUGUST, 2019): The students of first year were provided an opportunity to know the ambience of the college campus. For this, they visited the campus and got to know about the various departments of the college for the academic purpose. The activity took place under the leadership of respective tutors and the activity coordinator. Simultaneously, the activities of the literary club also took place at the respective venues followed by the sessions on Universal Human values addressed by the management of the Poornima College of Engineering. Under the student induction program of I year, a special lecture activity (interaction with industry experts) took place in PCE on August 5, 2019. This activity provided a platform to the students of I Year of various branches to interact with the industry expert, Mukesh Kulothia, an entrepreneur and an alumnus of IIM, Lucknow and MNIT, Jaipur. The session initiated with the floral welcome and introduction of the expert. Dr. Rekha Nair along with the faculty members of the I year department witnessed the programme. Mr. Mukesh interacted with the students and the session became interesting with the deliberations of the industry expert. He made the students acquainted with the requirements of various industries and their knowhow. In his address, he shared his experience with the students and urged them to be prepared with the knowledge of updated technologies which are taking place from time to time.



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INTERACTIVE SESSION ON UNIVERSAL HUMAN VALUES (10 AUGUST, 2019): To provide a platform to interact with students of the I year of Poornima Foundation in terms of universal human values and its applicability in human life, an interactive session took place in Poornima College of Engineering, Jaipur on August 9, 2019 under the conduction of student induction programme of I year department. The faculty members and the budding engineers of various branches witnessed this program. The session initiated with the floral welcome of Prof. R.K. Mishra (Head of the Department of Humanistic Studies & Prof. of Dept. of Electrical Engineering, IIT, BHU). Dr. Mahesh Bunde (Principal and Director, Poornima College of Engineering, Jaipur) welcomed Prof. R. K. Mishra by presenting him a bouquet and memento as a token of love and appreciation. In his address, Prof. R.K. Mishra made the students acquainted with the need of human values which makes the life of an individual beautiful as human values help him or her to know the sanctity of human relationship. He deliberated his thoughts over the subjects like human life and soul, materialistic life and its effects on human beings and importance of human values through the interesting examples of real life.



YI (YOUNG INDIANS) SESSION (10 AUGUST, 2019): To provide a platform of building the nation through self efforts and to make the students acquainted with the functioning of Young Indians (YI), a session took place in Poornima Group under the Induction Programme of First Year Department on 10 August, 2019. Mr. Arpit Panti (VP, Business Development & Planning, Prem Cargo Movers. Pvt. Ltd Jaipur) graced the occasion along with Dr. Rekha Nair (Dean, I Year) and faculty members of the I year department. The session initiated with the introduction of Young Indians (YI) which is an integral part of the Confederation of Indian Industry (CII), and a Non-government, Not- for-profit, industry led and industry managed organisation playing a proactive role in India's development process. In his address, Mr. Arpit Patni shared his thoughts about YI which provides a platform to young Indian to showcase their skills to make India a better nation. He further mentioned that YI organizes many activities related to leadership, entrepreneurship and personal development, etc from time to time. He introduced two students of PCE, Mr. Manan Bhargava (President, Yuva) and Mr. Bhavesh Kumar Agarwal (Secretary, Yuva) also who shared their experience with the gathering and motivated them to take a step towards this for their better and overall development through the development of the nation.



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INTERACTIVE SESSION OF DIRECTOR, POORNIMA GROUP (10 AUGUST, 2019): An interactive session of the Director, Poornima Group was organised on August 10, 2019. The session moved further through the motivational speech of Ar. Rahul Singhi (Director, Poornima Group) who addressed the budding engineers. He urged the students to be part of Young Indians. He made the students aware of the benefits of such societies which may help them to have their head high due to their contribution to these societies and as these societies may give them many opportunities to enhance their personality.



INTERACTION SESSION, DIRECTOR AND VICE-PRINCIPAL OF PCE (10 AUGUST, 2019): To provide a platform to interact with the management of Poornima College of Engineering, a session took place on August 1, 2019 in lush green premises of PCE. The Director of PCE (Dr. Mahesh Bunde) addressed the students and made them know of their responsibilities as the budding engineers. He urged the students to take initiative in terms of project and research areas in their academics during the B. tech. so that they may enhance their level of knowledge and extend its horizons also. He stated the students to work on their weaknesses to ensure their placement and successful career after the completion of graduation. The Vice-Principal (Mr. Pankaj Dhemia) also addressed the students and made them aware of the academic and non-academic activities of PCE. His session motivated the students and it gave them an insight of the functioning of PCE in terms of students' growth and their career.



INTERACTIVE SESSION ON UNIVERSAL HUMAN VALUES (14 AUGUST, 2019): The speakers of the session were Dr. Rajeev Gupta (Pro-Vice Chancellor & Professor of Electronic Engineering, RTU, Kota) & Ms. Bharti Gupta (Lecture, Balaji College of Education, Kota). The students of first year attended a session of Dr. Yashpal Kaushik & Mr. N K Jain on UHV. The session initiated with the introduction and interaction with the faculty members and sharing of the experiences. Both of the speakers stated about the human values and covered many areas in their address. Further, Under the Induction Programme of I Year Department of Poornima College of Engineering, an interaction session was organised on 14 August, 2019 in Poornima Group. Dr. Rajeev Gupta made the students acquainted with the need of engineering in current scenario and interacted with them through a query session. In his address, he shared his experiences with the students and urged them to be prepared for the hardship which they may face in their professional career. He made the students understand the significance of engineering education through the real life examples and motivated the students.



COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

CONDUCTION OF INTERACTIVE ACTIVITIES (CREATIVE ARTS AND PROFICIENCY MODULE) & INTERACTIVE SESSION ON UNIVERSAL HUMAN VALUES (16 AUGUST, 2019): The students of first year attended a session of Mr Buddhi Prakash Panwar and Dr. Raj Kumar Satankar on UHV. The session initiated with the introduction and interaction with the faculty members and sharing of the experiences. Both of the speakers stated about the human values and they covered many areas related to human life and values in their address. Further, the activities of creative arts and Proficiency module were organized for the students. The activities like creative arts and proficiency module took place on which the faculty members of the first year department coordinated. They made the students learn and provided the opportunity to showcase their hidden talents in painting, dancing, singing and so on. These activities filled the gap among the students and made them open to the other in their respective sections.



INTERACTIVE SESSION ON UNIVERSAL HUMAN VALUES (17 AUGUST, 2019): Under the Induction Program of the I Year Department of Poornima College of Engineering, an interaction session was organized on 17 August, 2019 in Poornima Group. The session initiated with the felicitation of the Chief Guest, Prof. Anil Kumar Tripathi (Prof. in Computer Science & Engineering and Dean Resource & Alumni Affairs, IIT (BHU, Varanasi). Dr. Yogesh Singh (HoD, ME) welcomed the Chief Guest by presenting him a memento. In his address, Prof. Anil Kumar Tripathi made the students acquainted with the need of human values which makes the life of an individual beautiful as human values help him or her to know the sanctity of human relationship. He deliberated his thoughts over the subjects like human life and soul, materialistic life and its effects on human beings & the activities filled the gap among the students and made them open to the other in their respective sections.



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INTERACTION WITH INDUSTRY EXPERT (17 AUGUST, 2019): Under the student induction program of I year, a special lecture activity (interaction with industry expert) took place in PCE on August 5, 2019. This activity provided a platform to the students of I Year of various branches to interact with the industry expert, Dr. Lokesh Agrawal, NBC, Jaipur. The session initiated with the floral welcome and introduction of the expert. Dr. Rekha Nair along with the faculty members of the I year department witnessed the programme. Dr. Lokesh Agrawal interacted with the students and the session became interesting with the deliberations of the industry expert. He made the students acquainted with the requirements of various industries and their knowhow.



CONDUCTION OF INDUSTRIAL VISITS (19 AUGUST, 2019): To provide a platform to explore and interact with industry experts and industries related to engineering and technology, the department of first year organised industrial visits to various industries of Jaipur. The students were taken to CIPET, Dainik Bhaskar and First India News, Jaipur as per their concerned branches under the guidance of their tutor and activity coordinator. The students visited the industries and became familiar with their functioning which the employees for the industries do every day. They got to know about the work culture of those industries through the visit. They shared their lovely moments with each other and felt comfortable within the secured atmosphere provided by the Poornima Group.



INTERACTION WITH FIRST YEAR DEPARTMENT AND CLUBS' INTRODUCTION (AUGUST 19, 20 & 21, 2019): The students of First year interacted with their respective departments. According to Poornima Philosophy, the Head of the department talked to the students and made them understand the future perspective of their departments. After this session, the students of first year got to know about the clubs which exist in first year department and the coordinators explained them the activities of the respective clubs so that they may play their significant role in the respective clubs. The introduction of the clubs was done by the members of the student council. On the other hand, the activities of the lab and lectures were also conducted as per the time table and schedule of the various branches of first year.



COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

INTERACTIVE SESSION ON UNIVERSAL HUMAN VALUES (20 AUGUST, 2019): Under the Induction Programme of the I Year Department of Poornima College of Engineering, an interaction session was organized on 19 August, 2019 in Poornima Group. The session initiated with the felicitation of the Chief Guest, Mr. Sanjeev Chopra (Electronics Engineer). Dr. Yogesh Singh (HoD, ME) welcomed the Chief Guest by presenting him a memento. In his address, Mr. Sanjeev Chopra made the students acquainted with the need of human values which makes the life of an individual beautiful as human values help him or her to know the sanctity of human relationship. He deliberated his thoughts over the subjects like human life and soul, materialistic life and its effects on human beings and importance of human values through the interesting examples of real life.



CONDUCTION OF INDUSTRIAL VISITS (21 AUGUST, 2019): On 21 August, 2019, the students of first year visited the industries of Jaipur. The students were taken to CIPET, Dainik Bhaskar and First India News, Jaipur as per their concerned branches under the guidance of their tutor and activity coordinator. The students visited the industries and became familiar with their functioning which the employees of the industries do every day. This visit took place under the leadership of the Students' Council.



PLANTATION BY FIRST YEAR STUDENTS (22 AUGUST, 2019): Plantation was done at the campus of PCE by first year students as a contribution to the initiative taken by MHRD supported by AICTE. Students actively participated in the event and made the plantation at various places of PCE.



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DOCUMENTARY PRESENTATION BY Sh. KAILASH SATYARTHI (22 AUGUST, 2019): Sh. Kailash Satyarthi (An Indian 'Children's rights' activist, Nobel Peace Prize recipient and founder of Bachpan Bachao Andolan). Under the induction program of I year, a Documentary Presentation on “The Price of free” was organized to know about the exploitations related to children. The activity took place at Arbuda Convention Center of Poornima Group. The students were made aware of the current scenario of society and about the rights of children which are generally not used practically in our society. The faculty members of the first year department along with the students witnessed the programme. The learning and interactive programme ended with the vote of thanks to the presenter.



Aadhar-IX 2019: The Annual Tech Fest, AADHAR-IX was organized on Monday, October 14, 2019 at Poornima College of Engineering under the cognizance of a perfectly functional club of PCE- Zircon Club. The Department of First Year participated with a great zeal and enthusiasm. The event was held under the supervision of faculty head, Dr. Rekha Nair, Dean First Year, Poornima College of Engineering. Overall 148 projects were displayed under 10 different project categories. The event included Robo War, Robo Soccer, RC Car Race, Machine-o-Mania, Circuitry, Cosmo Clench, Sniper Elite, Spud Gun, Civil Modelling and Light Follower. Ms. Anisha Sharma and Ms. Ishita Shivran anchored the inaugural ceremony of the event. Dr. Arun Kumar Sharma, Ex-Scientist ‘G’ CEERI Pilani, graced the occasion as the Chief Guest of the event. Mr. Abhishek Singh, Faculty Coordinator, delivered the welcome speech and Ar. Rahul Singhi, Director, Poornima Group and Dr. Mahesh Bunde, Principal & Director, Poornima College of Engineering also graced the occasion with their esteemed presence. Ar. Rahul Singhi enlightened the horizons of the student’s knowledge with his words. Dr. Mahesh Bunde shared his words of wisdom and motivated the students. Dr. Arun Kumar Sharma, the Chief Guest of the event delivered the speech on this occasion. A special enlightening speech was delivered by Sh. M K M Shah, Director (Admin and Finance), Poornima Group. Mr. Tosif Ahmed, President, Zircon Club, proposed a vote of thanks at the end of the program. After the inaugural ceremony the projects with various updated technologies like Wi-Fi Module, Automatic Controlled Robots, Wireless switches, etc. were exhibited by more than 500 First Year students. The alumni of the club were invited as the judges of the event. The point of attraction of the event was junkyard which was utilized effectively based on the approach “Best out of Waste”.



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CONDUCTION OF JAIPUR VISIT & HANDS ON PRACTICE (6, 7 & 8 AUGUST, 2019): To provide a platform to explore and interact with each other in a friendly environment, a visit to Amer Fort, Jaipur was organized for the students of first year on 6 August, 2019 under the leadership of Dr. Rekha Nair (Dean, I year), respective tutors and faculty coordinators of I year department. The students of First year were taken to their respective labs in order to have hands-on practice and to know about the labs and their uses as per the experiments mentioned in their syllabus & the students visited Amer Fort which is a symbol of bravery and is regarded as a heritage of Rajasthan. The students of various branches had this opportunity to know about Jaipur and its culture through the visit. This took place under the supervision of the faculty member and a lab technician of the concerned lab. As the fort is situated in the lush green surrounding of Jaipur, the budding engineers enjoyed a lot and the charm of the place got enhanced due to the rainy season. The students explored the fort and became acquainted with the overall history of the same. They shared their lovely moments with each other and felt comfortable within the secured atmosphere provided by the Poornima Group. The visit ended with the interaction of students with the respective tutor and sharing of experience related to visit.



INTERACTIVE SESSION ON UNIVERSAL HUMAN VALUES (3 AUGUST, 2019): To make the students familiarize with the need of the human values and universal human order and To provide a platform to interact with students of the first year of Poornima Foundation in terms of universal human values and its applicability in human life. To provide a platform to interact with students of the first year of Poornima Foundation in terms of universal human values and its applicability in human life, an interactive session took place in Poornima College of Engineering, Jaipur on August 3, 2019 under the conduction of student induction programme of I year department. The faculty members and the budding engineers of various branches witnessed this program. The session initiated with the floral welcome of the motivational speaker Mr. Himanshu Duggad (Scholar, Madhyastha Darshan) given by Dr. Yogesh Singh (Head of the Mechanical Department). In his address, Mr. Himanshu Duggad made the students acquainted with the need of human values which makes the life of an individual beautiful as human values help him or her to know the sanctity of human relationship. He deliberated his thoughts over the subjects like human life and soul, survival of the fittest and evolution of human race, materialistic life and its effects on human beings and importance of human values which are applied universally and can make human survival possible on the earth.

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ENDEAVORS

AMITESH KUMAR

- Attended Faculty Development Programme on Teaching Enhance Learning Programme by NITTTR Chennai from 3 July to 7 July 2019 at Poornima University.
- Attended Short term Course on Artificial Intelligence by NITTTR Chandigarh from 20 Jan to 24 Jan 2020.

MEENA TEKRIWAL

- Attended Faculty Development Programme on Teaching Enhance Learning Program by NITTTR Chennai at Poornima University from 3 July to 7 July 2019.
- Presented a paper in an International Conference entitled "Study of Viscosity and density of Mesna Transition metal complexation Aqueous Solution "Recent Trends in Environment and Sustainable Development, (RTESD-2019), 17 to 19 October 2019 at Vivekananda Global University Jaipur.

AMBER BATWARA

- Attended Faculty Development Programme on Teaching Enhance Learning Program by NITTTR Chennai from 3 July to 7 July 2019 at Poornima University.
- Participated in the Five days FDP on "HAND ON PRACTICE ON 3D TECHNOLOGY from 27 to 31 August, 2019 at Poornima College of Engineering, Jaipur (TEQIP-III).
- Attended Faculty Development Programme on ADVANCED TRAINING ON THE UNIVERSAL HUMAN VALUES AT HYDERABAD from 15-17 November 2019.
- Published Paper entitled, 'Optimization of Tool life and MRR on CNC Drilling Machine for E350 HT Steel: A Minimum Quantity of Lubricant (MQL)' in the International Journal of Mechanical and Industrial Technology Vol. 7, Issue 2, Month: October 2019 - March 2020, pp: (20-31).
- Published Paper entitled, 'Parametric Optimization of CNC Drilling Machine for HT Steel Using Taguchi Technique in the International Journal for Research in Engineering Application & Management (IJREAM) ISSN : 2454-9150 Vol-05, Issue-04, July 2019.



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KULDIP SHARMA

- Attended Faculty Development Programme on Teaching Enhance Learning Programm by NITTTR Chennai from 3 July to 7 July 2019 at Poornima University.
- Attended Faculty Development Programme Advanced Training on The Universal Human Values at Hyderabad from 15-17 November 2019.

RIDDHI SHRIVASTAVA

- Attended Faculty Development Programme "Research methodology & Data Analysis" 8- 10 August 2019 at Poornima College of Engineering.

DR. PALLAVI MISHRA

- Attended Faculty Development Programme of TEQIP III Sponsored of three Days on “Interdisciplinary Outlook in Engineering Sciences” on 26-28 September, 2019.
- Attended National Seminar on “Applications of Geospatial Technology in Agriculture (AGTA)” on 18 October, 2019.
- Paper Published entitled ‘CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF TWO NEW COMPOUNDS FROM ALSTONIA SCHOLARIS’ in the International Journal of Research and Analytical Reviews (IJRAR), Vol 6, Issue 2, 2019.

DR. REKHA NAIR

- Attended Faculty Development Programme Teaching Enhance Learning Programm by NITTTR Chennai 3 July to 7 July 2019 at Poornima University.
- Paper Published entitled Enhancement of Efficiency of Biogas Digester in Cold Season in the Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, 6(5), May 2019, 59-64

AMARJEET BHARTI

- Attended Faculty Development Programme for Student Induction (FDP-SI) from 1 July to 3 July 2019 at Poornima College of Engineering.

MANISH PRAKASH

- Attended Faculty Development Programme for Student Induction (FDP-SI) from 1 July to 3 July 2019 at Poornima College of Engineering.
- Paper Published entitled , 'A review on mechanical and wear characteristics of particulate reinforced Al-alloy based MMC' in the AIP Conference Proceedings, Volume 2148, Issue 1 > 10.1063/1.5123943, Published Online: 03 September 2019.

RAVINDRA MAHAWAR

- Attended Five days Faculty Development Programme on "HAND ON PRACTICE ON 3D TECHNOLOGY 27 to 31 August, 2019 at Poornima College of Engineering, Jaipur (TEQIP-III)
- Attended ADVANCED TRAINING ON THE UNIVERSAL HUMAN VALUES from 15 to 17 NOVEMBER 2019 AT HYDERABAD
- Attended Faculty Development Programme on "Research methodology & Data Analysis" from 8- 10 August 2019 at Poornima College of Engineering

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DR. SUNIL K YADAV

- Paper Published entitled, 'certain results for η -Ricci Solitons and Yamabe Solitons on quasi Sasakian 3-Manifolds' in a Mathematical Journal, vol 21, 2019, page 77-98.
- Paper Published entitled, 'Certain results on submanifold of generalized Sasakian space-forms Honam J. of mathematics,' vol 2, 2019, page 20-32.
- Paper Published entitled, 'On Three Dimensional Pseudosymmetric Alpha-Kenmotsu Manifolds In the Journal of Advances in Mathematics Vol 17 (2019) ISSN: 2347-1921
- Paper Published entitled, 'certain geometric properties of η -Ricci soliton on η -Einstein para Kenmotsu manifolds' in the Palestine Journal of Mathematics, vol 9, no 1, 2020, page 237-244.
- Paper Published entitled, 'On Hermitian manifolds satisfying certain curvature conditions' in the Int. J. Maps in mathematics, vol 3, no 1, 2020, page 219-231
- Paper Published entitled, 'Certain results on $N(k)$ -Contact metric manifolds, Balkan Society of Geometers,' in the Geometry Balkan Press, vol 22, 2020, page 16-30.
- Paper Published entitled, 'On (ϵ) -Almost Paracontact Metric Manifolds with Conformal (η) -Ricci Solitons Balkan Society of Geometers,' in the Geometry Balkan Press, vol 21, 2019, page 202-215.
- Paper Published entitled, 'The Lorentzian concircular structure manifold with D-homothetic deformations' in the Int. J. of Mathematics and Non-Linear Science, vol 4, 2019, page 113-128

DR. SUDHI RAJEEV

- Paper Presented entitled, "Literature of the World and the Future of Comparative Literature," "In Ink: Identity and Selfhood in the Autobiographical Narratives of Dalit and African American Women" at the XXII Congress of the International Comparative Literature Association; University of Macau, Macau SAR, China (29 July –2 August, 2019)



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DEPARTMENT OF COMPUTER ENGINEERING

VISION

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

MISSION

To provide a learning-centred 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.

About the Department

The Department of Computer Engineering was established in July 2000. It administers bachelor's programs in Computer Engineering, as well as master's degree programs in Computer Science. The department is accredited by National Board of Accreditation for quality and outcome based education. The department's strengths include its high faculty-to-student ratio, state of the art facilities, renowned faculty, strong focus on undergraduate education balanced with leading-edge research, and emphasis on leadership, service and ethics. The Department aims at imparting quality education and strives to quench the thirst for knowledge. The Department lays emphasis on theoretical and practical aspects of subjects taught viz. Computer Technologies, Data Structures, and Information Security, Programming Languages, Networking, Database Management, Software Engineering, Operating System and several other domains of computer engineering. The curriculum inculcates industrial summer training after I, II, and III year which enable students to get acquainted with work culture and in turn help them groom themselves. International conferences, Symposiums, workshops, and seminars of national and international levels are organized by department in close liaison with renowned professional societies such as IEEE, CSI, IEI, ISTE, and ACM-W

etc. Moreover experts with hands on experience regularly share their domain knowledge with the department. Most of the students passed out are well placed or have opted for higher studies. Top IT companies like Infosys, TCS, Capgemini, and IBM are major recruiters. The department focuses on development and strengthening systems thinking, problem solving, analysis, design, research, team work, communication skills, and readiness for lifelong learning in areas of Artificial Intelligence, Machine Learning, Deep Learning, Cloud Computing, Business Intelligence and Internet of Things.





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PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- PEO 1:** Graduates will work productively as skilful engineers.
- PEO 2:** Graduates will identify the solutions for challenging societal issues using innovation and creativity.
- PEO 3:** Graduates will implement their ideas practically to find the feasible solutions of research oriented problems.

PROGRAM OUTCOMES (POS)

- PO 1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4:** Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5:** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO 6:** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO 7:** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO 8:** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO 9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO 10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO 11:** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO 12:** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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PROGRAM SPECIFIC OUTCOMES (PSOS)

- PSO 1:** The ability to understand and apply knowledge of mathematics, system analysis & design, Data Modelling, Cloud Technology, and latest tools to develop computer-based solutions in the areas of system software, Multimedia, Web Applications, Big data analytics, IOT, Business Intelligence, and Networking systems.
- PSO 2:** The ability to understand the evolutionary changes in computing, apply standards and ethical practices in project development using the latest tools & Technologies to solve societal problems and meet the challenges of the future.
- PSO 3:** The ability to employ modern computing tools and platforms to be an entrepreneur, lifelong learning and higher studies.

MESSAGE FROM HEAD OF DEPARTMENT

It is my great pleasure to extend heartfelt greetings to the readers of the College Magazine. We are dedicated to providing not only the technical education to our students but also the leadership skills through which they can produce employment to others. The department has a team of highly experienced and motivated faculty members who are in process of tuning the young minds to make them globally competitive. The strength of the department is highly motivated students who understand the dynamics of the industry and upgrade their skills accordingly. The department has excellent infrastructural and computing facilities and provides a conducive environment to promote academic and research excellence in the department and signed MOU with Automation Anywhere, IBM, Infosys, Red hat Academy, Celebal Tech, RAPIDOPS, Teampreneur and Coding Ninjas to promote academic and technical skills excellence in the department. We are especially proud of the long and sustained placement records of our Bachelor students in different multinational software industries and government sector.



I congratulate to the team of faculty members and the students for their brilliant and original efforts. I wish all the Students and Faculty a great academic career.

“Jai Jai Poornima Sansthan”

Dr. Surendra Kumar Yadav

MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Workshop on Microsoft Team uses	July 25, 2019	Ms. Shalini Puri
2	Training session on Microsoft Publisher	July 26, 2019	Mr. Sumit Kumar, Ms. Prachi Sharma
3	Workshop on Writing LaTeX	July 27, 2019	Dr. Ajay Kumar Khunteta, Ms. Archana Soni
4	Poster-Making Competition	July 27, 2019	Dr. Meenakshi Nawal,
5	Expert Lecture on Human Values and Ethics for life	July 28, 2019	Dr. Sonal Sharma Mr. Ravi Kumar

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S.No.	Full Name of the Activity	Date	Coordinator of Activity
6	Expert Lecture on Yoga for Professionals	July 29, 2019	Mr. Mukesh Kataria
7	Workshop on Google Meet	July 30, 2019	Ms. Swati Paliwal Mr. Ravi Kumar
8	Teej Celebration	August 03, 2019	PCE
9	Workshop on Assessment in Computer Science Engineering focus on Exam Reforms recommended by AICTE	August 09, 2019	Ms. Swati Paliwal,
10	Independence day	August 15, 2019	PCE
11	Celebration of Teachers' Day	September 05, 2019	Ms. Reena Sharma, Mr. Amitesh Kumar
12	Computational Neuroscience	September 08, 2019	Ms. Swati Paliwal
13	Hindi Divas	September 14, 2019	Department
14	Engineers' Day	September 15, 2019	Mr. Gaurav Sharma
15	Ubiquitous computing and wireless sensor networks	September 16-21, 2019	Dr. Veena Yadav,
16	NextGen Networking for 5G	September 16, 2019	Mr. Sumit Kumar Mr. Amit Kumar Jha
17	IOT and social issues	September 20, 2019	Ms. Swati Paliwal Ms. Prachi Sharma
18	Real time application of DBMS	September 20, 2019	Mr. Lal Babu Purbey
19	Department Day	September 23, 2019	Dr. Ajay Kumar Khunteta, Mr. Gaurav Sharma
20	Workshop on Machine Learning: Principles & Applications	October 05, 2019	Mr. Ravi Kumar Ms. Reena Sharma
21	Workshop on REACT.JS	October 05, 2019	Mr. Amit Kumar Jha
22	Expert lecture on web Programming Applying Agile in Node JS	October 05, 2019	Dr. Sonal Sharma
23	Workshop on Embedded Artificial Intelligence and Smart Systems	October 11, 2019	Mr. Manish Dubey
24	Workshop on Machine Learning and Artificial Intelligence	October 14, 2019	Ms. Shalini Puri Ms. Richa Mehra
25	Workshop on Hands-on Salesforce CRM	November 13, 2019	Mr. Pradeep Kr. Natani
26	ICRAIE- 2019`	November 28-29, 2019	Dr. Mahesh M. Bundeale
27	Infosys Techzooka	December 18, 2019	Mr. Amitesh Kumar Mr. Amit Kumar Jha
28	Expert lect. on Cyber security	December 19, 2019	Mr. Sumit Kumar Mr. Sanjay Kr. Gupta

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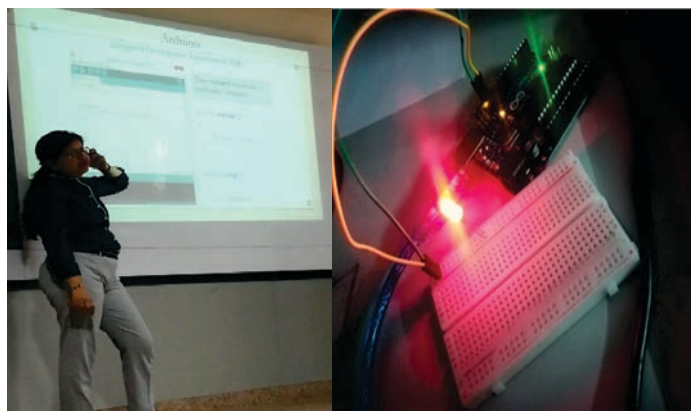
S.No.	Full Name of the Activity	Date	Coordinator of Activity
29	Fast guide on writing LATEX	January 07, 2020	Mr. Deepak Baberwal Ms. Archana Soni
30	Workshop on Java	January 07, 2020	Dr. Veena Yadav
31	Workshop on Coding Ninjas	January 08, 2020	Mr. Vikram Khandelwal
32	Android Application Design	January 18, 2020	Ms. Prachi Sharma Ms. Shalini Puri
33	Human Values and Ethics	January 08, 2020	MDr. Manish Dubey
34	Expert Lecture on Secrets of Success infinite	January 22, 2020	Ms. Ankita Jiyani Mr. gaurav Sharma
35	Republic Day	January 26, 2020	Mr. Ravi Kumar Ms. Reena Sharma
36	Mobile Application Development	January 28, 2020	Dr. Ajay Kumar Khunteta, Mr. Prashant Hemrajani
37	Seminar on the Importance of Communication	February 01, 2020	Mr. Lal Babu Purbey
38	Workshop on Turnitin	February 2020	Mr. Amit Kumar Jha
39	Big Data Analysis	March 2020	Dr. Meenakshi Nawal
40	AI with Real Time Awareness	February 2020	Dr. Sonal Sharma
41	App development on IOS	February 2020	Ms. Shalini Puri
42	Python Basics	February 2020	Ms. Richa Mehra
43	Alumni Interaction	March 2020	Mr. Vikram Khandelwal Mr. Pradeep Kr. Natani
44	Training on Google Meet	April 2020	Mr. Deepak Baberwal Ms. Archana Soni
45	Expert Lecture on Power BI	April 2020	Mr. Sumit Kumar Mr. Amitesh Kumar
46	Cloud Infrastructure and Security	April 2020	Mr. Amit Kumar Jha
47	IOS Mobile development , challenges and opportunity after COVID 19 epidemics	May 2020	Mr. Sanjay Kumar Gupta, Ms. Archana Soni
48	Research challenges in 5G Networks	June 2020	Dr. Veena Yadav
49	Cyber Security and Digital Safety during COVID19 Pandemic	June 2020	Ms. Richa Mehra Ms. Swati Paliwal
50	Effect of Cloud and NoSQL over Database Mgmt. System	June 2020	Mr. Sumit Kumar

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One Day Workshop on “Machine Learning: Principles & Applications” on October 5, 2019: An interactive session on fundamental meaning of machine learning was carried out by Dr. Satya Prakash Maurya. He started the session with term learning and associated it to day-to-day life of humans then he made relation of learning with machines. He also discussed a lot of general questions about the methodology of learning and then applying it to machines. He discussed different types of machine learning methods along with the different machine learning algorithms giving the fundamental view of machine learning and made relation of these to real world problems.



Workshop on “Embedded Artificial Intelligence and Smart Systems” on October 11, 2019: Teach the basic concepts and practical experience on few applications of Artificial Intelligence in Smart Systems, so that at the end of course, participants can further explore Embedded Artificial Intelligence and smart systems according to their needs and connect students with real word problems rather that only learning Artificial Intelligence.



Workshop on “Machine Learning and Artificial Intelligence” on October 14 , 2019: Machine learning is an application of artificial intelligence (AI) that helps system gain the ability to automatically learn and improve from various experiences without being programmed explicitly. Machine learning focuses on the development of systems or programs that can learn from them using previous experiences and data.



One Day Workshop on “Hands-on Sales force CRM” on November 13, 2019: Sales force is a customer relationship management solution that brings companies and customers together. It's one integrated CRM platform that gives all your departments — including marketing, sales, commerce, and service — a single, shared view of every customer.



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Event of “Infosys Techzooka” on December 18, 2019: Infosys organized Techzooka 2019, an annual weeklong technology fest from December 18, 2019. Aimed at nurturing a culture of innovation and collaboration, Techzooka is organized every year to engage employees and the broader technology community on emerging trends through diversified and innovative forums and channels.



Expert Lecture on “Cyber Security” on December 19, 2019: Cyberops organized an expert lecture on “Cyber Security” on Dec, 19’2019 and Mr. Palash Verma was there to share his knowledge and experience with the students. 102 students of III Year from the Department were benefited by the knowledge. The primary focus was to break the myths and preview the real market scenario for the same.



Event of “Capgemini India organized Tech Challenge 2019” on December 31, 2019: Capgemini India organized Tech Challenge 2019; it was sixth edition and was hosted at its Hinjewadi campus in Pune. The event received a record 1,60,000 registrations from over 80 cities in India and the top 55 qualified for the finals.

Expert Lecture on “Programming Techniques on Java” on January 7, 2020: An expert lecture on “Programming Techniques on Java” on 07 Jan 2019 and Mr. Girraj Khandelwal was there to share his knowledge and experience with the students. 59 students of III Year from the Department were benefited by the knowledge. The primary focus was to break the myths of Programming Language and JAVA and also preview the real market scenario for the same. To apply effective methods in programming like encapsulation, Polymorphism, Inheritance, Abstraction.

Interview Preparation Workshop by “Coding Ninjas” on January 8, 2020: Coding Ninjas India organized one day Interview Preparation workshop on January 8, 2020. Aimed at nurturing a culture of competitive programming, The programme had benefited those who want to enhance their logical mindset and become a professional in understanding and responding to the questions specifically asked in the coding rounds of the interviews.

Technical talk on “Workshop on Android Application Design” on January 18, 2020: Mostly companies are doing awesome jobs in developing user centric applications because they are focusing on better visuals, look and feel of applications. Many startups are also looking for designers to design their ideas and help them in finding solutions towards their business growth.



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Expert Lecture on “Mobile Application Development” on January 28, 2020: CSE Department organized an expert lecture on “Mobile Application Development”. Mr. Utkarsh Gupta from GIPL delivered his knowledge and experience with the students. He addressed the students by their knowledgeable words by introducing Mobile application development which is a term used to denote the act or process by which application software is developed for handheld devices, such as personal digital assistants, enterprise digital assistants or mobile phones.



One Day Workshop on “AI with Real Time Awareness” on February 14 , 2020: Codeplanet organized an expert lecture on “AI (Machine & Deep Learning) with Real-time Awareness” on Feb, 14’2020 and Mr. Chandrapal Singh Deora was there to share his knowledge and experience with the students. 82 students of II Year from the Department were benefited by the knowledge. The primary focus was to break the myths and preview the real market scenario for the same.



One Day Workshop on “App development on ios” on February 17, 2020: Create awareness among students regarding available career options in app development and identifying their career objectives. Guide the students in developing skills and app development hands on practice and strategies required to achieve their career objectives. Act as a bridge between students, alumni and employers.



Alumni Interaction on March 3, 2020: The Alumni Association of Poornima Group of Colleges comprises of more than 7,000 undergraduate and graduate alumni, is an exceptional enthusiastic volunteer organization. Alumni are encouraged to proliferate the use of the Alumni site to see the updates related to campus, regional activities and educational opportunities arranged by alumni association members and other Poornima organization members. Poornima Alumni Association has been functioning to maintain the relations of Poornima amongst the passed out students.



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Department Day Celebration, September 23, 2019: Department of Computer Science & Engineering and Department of Information Technology, Poornima College of Engineering, Jaipur celebrated their Department day jointly on Monday, 23rd September 2019 on the theme “Technology for Sustainable Development”, at Arbuda Convention Centre. The event was diligently organized. There was a soul to it. A soul that was vibrant, contagious and exuberant. The Occasion was graced by the presence of the honorable chief guest, Mr. Prakash Gyamlani, Senior Director, Appirio Cloud Solutions Private Limited. We were honored by the presence of the esteemed personality Dr. C. K. Jha, Professor and Head, Department of Computer Science, Banasthali Vidyapith, as the guest of honor of the occasion. The occasion continued with Department Presentation of Computer Engineering department which was delivered by Riddhim Gupta and Vaibhav Bakliwal from CE department, III year. The main content of the presentation was Computer Engineering department deals with the computation and networking. Department has been able to attract preference of most intelligent students available in and out the state. The result oriented approach of department has converted the hard work of students into strong placements. The department is working with the vision to evolve as a centre of excellence with wider recognition and to adapt the rapid innovation in computer engineering. The department has these four major goals outcome based education; project based on focus area, RTU results and placements. Dr. Surendra Kr. Yadav is Head of Department and Dr. Meenakshi Nawal and Mr. Manish Bhardwaj are Dy. HOD who are the strong pillars of the department. To ensure that the students are well equipped with knowledge to face any challenge, the department has the Career education program of Red Hat Academy to develop required industry needed skills in students on emerging areas and IBM is also a part of this Career Education program. Moving on further these are some of the major companies that provide maximum number of placements with highest packages. In the field of Research and Development, for the session 2017-18 total faculty publications count to 15 papers in reputed international journals and. Conferences and Student publications count to a total of 65 including one book publication. The major concerning focus areas of the department are AI and Big Data, Computer Networks, Web Development etc. Many milestones have been achieved and many still have to be reached, the Computer Engineering Department will continue its unceasing efforts to mould the young minds into well balanced personalities.





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ENDEAVORS

DR. SURENDRA KUMAR YADAV

- Dr.Surendra Kumar Yadav and Ms.Nikita Jain Published Paper entitled,'Development of Intelligent Driving Model Using Augmented Reality in the International Journal of Scientific & Technology Research ,Volume 9, Issue 03, March 2020, ISSN-2277-8616.
- Attended One-Week Workshop Sponsored by TEQIP-III on "Introduction to Artificial Neural Network" organized by Department of Computer Science & Engineering, Engineering College Jhalawar.
- Attended "One week Faculty Training Programme on Machine learning" organized by FORSK TECHNOLOGIES PVT.LTD.

MR. SAKAR GUPTA

- Published Paper entitled,'Encryption/Decryption scheme for iot communication to the avoidance of man in the middle attack' in the International journal for scientific research & development, 2019 Volume- 7, Number- 403-406, ISSN- 2321-0613. Author Name: Mr. Sakar Gupta
- Published Paper , ' Comparative analysis of Energy Consumption in Sensor Node Scheduling Heuristics in Wireless Sensor Network in the Journal named Engineering Vibration, Communication and Information Processing, Lecture Notes in Electrical Engineering 478,2019, 10.1007/978-981-13-1642-5_36.© Springer Nature Singapore Pte Ltd.2019, K. Ray et al(eds.).
- Published Paper entitled , 'Analysis and Comparison of Sensor Node Scheduling Heuristic for WSN and Energy Harvesting WSN in the journal named Smart IOT Systems: Innovations in Computing 2019, Smart Innovation, Systems and Technologies book series (SIST, volume 141),2019, 10.1007/978-981-13-8406-6_14, pp 131-139,© Springer Nature Singapore.
- Published Paper entitled,'Simulink model for comparative analysis of UWB,OFDM and CDMA using QAM and PSK M-Array Scheme with MIMO Antenna'in the International Journal on Future Revolution In Computer Science & Communication Engineering,2019,Volume- 5, ISSN- 2454-4248.

NIMISH ARVIND

- Published Paper entitled,'Design and Implementation of text cryptography for Multilanguage' in the International Journal of research & Engineering, 2019, Volume- 2, Number547-550.

MANISH DUBEY

- Published Paper entitled,'Food Recognition System using SVM Classification Approach in the journal of 'The Institute of Engineers India'(IEI),Feb 15th- 16th 2020.

UPMA KUMARI

- Published Paper entitled Food Recognition system using SVM Classification Approach in the journal of 'The Institute of Engineers India' (IEI),Feb 15th- 16th 2020.

DR. MEENAKSHI NAWAL

- Attended one week organized by AICTE Faculty Development Programme on "No SQL Databases" conducted by Computer Science & Engineering Department at National Institute of Technical Teachers Training & Research Chandigarh

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- "One week Faculty Training Programme on Machine Learning" organized by FORSK TECHNOLOGIES PVT.LTD.

DR. SATYAPRAKASH MAURYA

- Attended Faculty Development Programme for Student Induction (FDP-SI)" organized by AICTE.
- Advanced Training of Trainers Workshop on preparing Resource Persons for FDP on Student Induction" sponsored by AICTE, New Delhi.

DR. SONAL SHARMA

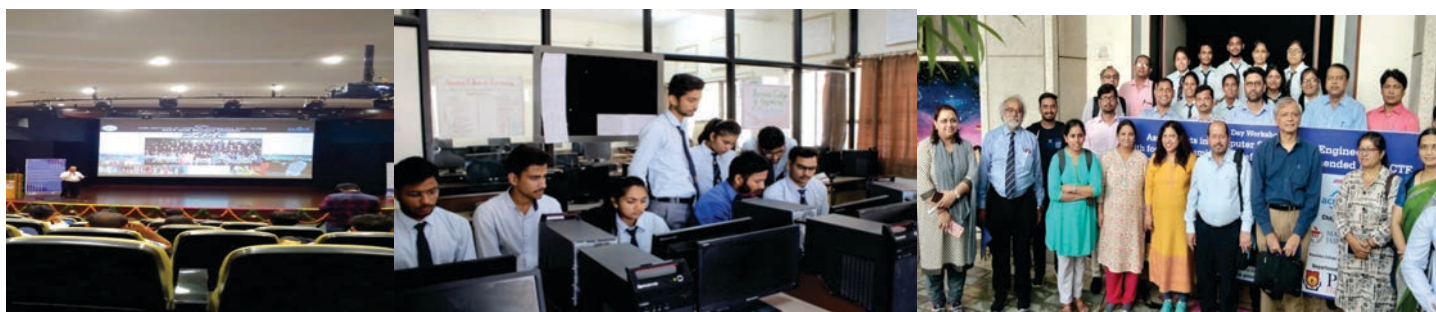
- Attended "National Workshop on use of Scientific and Technical Glossary in Science and Technology" at New Delhi

MR. MUKESH KATARIYA

- Attended Scilab Workshop" organized by SKIT, Jaipur
- Attended Python Workshop" organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching. (PMMMNMTT).

MS. SHALINIPURI

- Attended Three Days Faculty Development Programme Sponsored by TEQIP-III RTU (ATU) on RESEARCH METHODOLOGY AND DATA ANALYSIS organized by RTU, Kota.
- Attended Faculty Development Programme on "TECHNOLOGY ENABLED TEACHING AND LEARNING" conducted by Poornima University, Jaipur.
- Attended "Python Workshop" organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT).
- Paper Published entitled, 'A Fuzzy Matching based Image Classification System for Printed and Handwritten Text Documents' in the Journal of Information Technology Research (JITR), IGI Global, March, 2020, Vol. 13, Issue 2, Article 10, pp. 155-194.
- Paper Published entitled, 'A Hybrid Hindi Printed Document Classification System Using SVM and Fuzzy: Advancement in the Journal of Information Technology Research (JITR) ,IGI Global, October 2019, Vol. 12, Issue 4, Article 6, pp. 107-131.
- Paper Published entitled, 'An Efficient Devanagari Character Classification in Printed and Handwritten Documents using SVM' in the journal PROCEEDIA Computer Science, Elsevier, 2019, Vol. 152, pp. 111-121.



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ELECTRONICS & COMMUNICATION ENGINEERING

VISION

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

MISSION

To provide comprehensive technical education with the exposure of latest technology providing the learning environment for faculty members & students.

About The Department

- The Electronics and Communications Department of engineering was established in the year 2003 with the intake capacity of 60 students, in 2006 the intake capacity increased to 120 students and 60 students in the year 2010. Hence total 180 students (120 morning shift + 60 evening shift). The department is having highly qualified, dedicated and research oriented faculty members, also it offers M.Tech in VLSI design, Digital Communication with intake capacity of 18 students.
- The core academics are blended with necessary beyond the syllabus programs to give an extra edge to students, providing an ample scope for value based learning and result oriented inter disciplinary approach to students. In the field of Electronics Engineering, Engineers Design and Test Circuits that use the electromagnetic properties of electrical components such as resistors, capacitors, inductors, diodes and transistors to achieve a particular functionality. In designing an integrated circuit, electronics engineers first construct circuit schematics that specify the electrical components and describe the interconnections between them. When completed, VLSI engineers convert the schematics into actual layouts, which map the layers of various conductor and semiconductor materials needed to construct the circuit, for this purpose the department motivates the students to learn the beyond the syllabus programs and courses, since they are a part of electronics engineering.
- The department was accredited by the National Board of Accreditation (NBA) in the year 2009 followed by in the year 2015. Flourished laboratories (as per the guidelines provided by Rajasthan Technical University) have been provided to students for carrying out the practical's with a separate provision for research and development





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work . The department has two labs which have been supported by MODROBS grant of AICTE, New Delhi, they are:-

Advancement in Wireless and Optical Fiber Lab

Advance Antenna and Wireless Communication Lab

Sense Nut IDE TOOL

- The department regularly conducts various seminars and workshops for the enhancement of practical skills of students. The workshops also include the seminars taken by the technical experts who are called to update the students as well as the faculty members of the department on a regular basis about the on-going scenarios in global competition. It is an initiative taken by the senior faculties for:-
- Introducing the students to the upcoming and advanced technology
- Demonstrating some of the new and innovative approaches through active participation by the students.
- On a regular basis activities are planned and executed on the department level to involve the students in some extra-curriculum schedules apart from their academics . Various placement oriented camps are organised for the students of III and IV year keeping in mind their placement scenario. Manifold activities have been organised recently in the department keeping in mind the objective ‘by the students, for the students’ to ensure the maximum and active participation of students in extra-curriculums.
- Similarly, a new initiative has been taken and implemented, that is, the Spoken Tutorial program, by IIT Bombay for the students of II and III year. The committee for reforms in technical education, has been constituted by the ministry of human resources and development(MHRD).The program consists of certain modules planned to be delivered through an educational platform(software/hardware) developed for this purpose.
- To enhance their qualification, competence and employability by enhancing skills up – graduation AICTE approved in situations under its employability enhancement training program.
- In March 2013, the IETE (Institution for Electronics and Telecommunication Engineers) was set up in Department of Electronics and Communication Engineering of Poornima College of Engineering.
- Workshops conducting for II and III Year students based on:
 - Embedded System
 - IoT
 - 5G
- The faculty and staff members have been provided with guidance for other activities apart from their regular teaching schedules .This includes research work in the fields of wireless communications, optical communications ,antennas ,embedded systems and VLSI . Publishing of the research papers, counseling and career guidance are the other activities in which the faculties are involved.
- The excellent placement record confirm the fact that the students of the department have excelled in their respective fields and this also provides an acumen for the large number of companies being visiting the department for recruitments.
- Faculty and staff members feel proud to congratulate all placed students of batch 2019.



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PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

- PEO 1:** The graduates will be competent enough to apply current knowledge and skill to solve problems of the society.
- PEO 2:** The graduates will be capable of identifying, formulating, analyzing and creating engineering solutions using modern tools to develop novel products solutions.
- PEO 3:** The graduates will be able to professional, lifelong learning skills, ethics, research skills and leadership for independent or team working within a group.

PROGRAMME OUTCOMES (POS)

- PO 1:** Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2:** Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3:** Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4:** Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5:** Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO 6:** The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO 7:** Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable development.
- PO 8:** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO 9:** Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO 10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and receive clear instructions.
- PO 11:** Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in team, to manage projects and in multidisciplinary environments.
- PO 12:** Life-Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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PROGRAMME SPECIFIC OUTCOMES (PSOS)

- PSO 1:** Graduates possesses the ability to understand and apply basic knowledge of core Electronics & Communication Engineering for the benefit of society.
- PSO 2:** Graduates will be proficient to apply electronic modern IT tools for the design and analysis of complex electronic systems in furtherance to research activities.
- PSO 3:** The ability to be adaptable to the multidisciplinary nature at workplace, develop excellent Interpersonal Skills & Leadership qualities that benefits the individual & organization.

MESSAGE FROM HEAD OF DEPARTMENT

Poornima College of Engineering, Jaipur is a centre of excellence where we nurture young talents in different fields of Engineering. Electronics and Communication Engineering Department has a major emphasis of imparting technical training to encourage curiosity and innovativeness among the students and lay a foundation from where they can acquire quick learning ability and adaptively meet the fast changing needs of the industry. The interaction between students and Faculty greatly enriches the educational experience for all. Our department provides students with the opportunities to gain and use knowledge to build successful lives and careers. Our faculty members are experts in the areas they teach. The faculty members are not only providing high quality education to the students, but also are immersed in cutting-edge research which covers almost all disciplinary areas of Electronics and Communication Engineering. We emphasize teamwork to give opportunity to each student to benefit from the ideas and intelligence of their classmates. With the demand and need of Industry we train the futuristic Engineers with Industrial Training / workshop of new technologies to compete and progress in this world. Our placement records have always been very impressive, with the large number of students being placed year after year in highly reputed core companies and public sector units. Our alumni hold senior positions in industries as well as in academic institutions, both in India and abroad.



Dr. Garima Mathur

ENDEAVORS

DR. GARIMA MATHUR

- Published Paper entitled, 'An Overview of Smart Identity Cards for Educational Institutions Springer, Optical and Wireless Technologies' in the journal Springer Nature Singapore Pte Ltd. 2020 Lecture Notes in Electrical Engineering 546, https://doi.org/10.1007/978-981-13-6159-3_31.
- Published Paper entitled, 'Nanotechnology For Cancer Treatment' in the Journal of Emerging Technologies and Innovative Research, Vol. 6, Issue 5, May 2019, PP 189-192
- Attended International Conference on Smart Energy & Communication (ICSEC-2020) on 21-22 March 2020 at PIET, Jaipur.
- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6 -7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 organized by Poornima College of Engineering.
- Attended International Conference on Women Scientist & Entrepreneurs Conclave-India International Science Festival, 7-8 November, 2019 in Kolkata -2019.



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- Attended 5 Days STTP on “Ubiquitous Computing & Wireless Sensor Networks” on 16-21 September 2019 Sponsored by AICTE, New Delhi & Organized By PCE, Jaipur.
- Attended 3 Days FDP on "Research Methodology & Data Analysis" on 8-10 August, 2019 Sponsored by TEQIP-III RTU (ATU) & Organized by RTU, Kota & PCE, Jaipur.

AMIT KUMAR JAIN

- Paper Published entitled, 'Nanotechnology For Cancer Treatment' in the Journal of Emerging Technologies and Innovative Research, Vol. 6, Issue 5, May 2019, PP 189-192.
- Paper Published entitled, 'Plasma and Metallic Antenna: a Comparative Study Research & Reviews': A Journal of Embedded System & Applications, Vol. 7, Issue 3, 2019, PP 5-8.
- Paper Published entitled, '5G Technology and Their Challenges' in the Journal of Advanced Database Management & Systems, Vol. 6, Issue 2, 2019, PP 1-7.
- Attended International Conference on Smart Energy & Communication (ICSEC-2020), 21-22 March 2020 at PIET, Jaipur.
- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" Sponsored by DST, Rajasthan & Organized at 6-7 March 2020 by Poornima College of Engineering.
- Attended 3 days workshop on "Recent Advancement in Soft Computing and Optimization Techniques for Smart Engineering Systems" on 24-26 February 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 Organized by Poornima College of Engineering
- Attended 5 Days FDP on "Hands on Practice on 3D Printing Technology" on 27-31 August 2019 Sponsored by TEQIP-III & Organized by RTU, Kota & PCE, Jaipur.

MANISH SHARMA

- Paper Published entitled, 'Plasma and Metallic Antenna: a Comparative Study Research & Reviews': A Journal of Embedded System & Applications, Vol. 7, Issue 3, 2019, PP 5-8.
- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 3 days workshop on "Recent Advancement in Soft Computing and Optimization Techniques for Smart Engineering Systems" on 24-26 February 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 Organized by Poornima College of Engineering.
- Attended 3 Days FDP on "Research Methodology & Data Analysis" on 8-10 August, 2019 Sponsored by TEQIP-III RTU (ATU) & Organized by RTU, Kota & PCE, Jaipur.

DURGESH KUMAR

- Published Paper entitled, 'Effects of Electromagnetic Radiations on Human Body' in the journal JETIR May 2019, Volume 6, Issue 5, Review: Simulation of Ultrahigh-Speed Optical Logic Gates Using SOA-MZI Structure.



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- Published Paper entitled, 'IOT Based Smart Cities' in the International Journal of Scientific & Engineering Research Volume 10, Issue 5, May-2019.
- Published Paper entitled, 'A Review on Dynamic CMOS Logic Noise Tolerant Techniques' in the International Journal of Trend in Scientific Research and Development, Iconic Research And Engineering Journals.
- Published Paper entitled, 'An Overview of Smart Identity Cards for Educational Institutions Springer, Optical and Wireless Technologies' in the journal Springer Nature Singapore Pte Ltd. 2020 Lecture Notes in Electrical Engineering 546, https://doi.org/10.1007/978-981-13-6159-3_31.
- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" Sponsored by DST, Rajasthan on 6-7 March 2020 & Organized by Poornima College of Engineering.
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 organized by Poornima College of Engineering.

MANISHA KUMAWAT

- Attended International Conference on Smart Energy & Communication (ICSEC-2020), on 21-22 March 2020.
- PIET, Jaipur.
- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 3 days workshop on "Recent Advancement in Soft Computing and Optimization Techniques for Smart Engineering Systems" on 24-26 February 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 Organized by Poornima College of Engineering.
- Attended 5 Days STTP on "Ubiquitous Computing & Wireless Sensor Networks" on 16-21 September 2019 Sponsored By AICTE, New Delhi & Organized By PCE, Jaipur.
- Attended 3 Days FDP on "Research Methodology & Data Analysis" on 8-10 August, 2019 Sponsored by TEQIP-III RTU (ATU) & Organized by RTU, Kota & PCE, Jaipur.

AJMEET SINGH

- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.

DR. ANILA DHINGRA

- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering
- Attended 3 days workshop on "Recent Advancement in Soft Computing and Optimization Techniques for Smart Engineering Systems" on 24-26 February 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering
- Attended 3 days workshop on "Recent Advancement in Soft Computing and Optimization Techniques for Smart Engineering Systems" on 24-26 February 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.



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- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 Organized by Poornima College of Engineering
- Attended 5 Days FDP on "Methodologies and challenges in Digital IC and memory Design" from 11 to 15 Dec – 2019 organized by Electronics & ICT Academy, MNIT, Jaipur
- Attended two days FDP on "Design of Solar Panel" on 11-12 Oct – 2019 Sponsored by TEQIP-III RTU (ATU)& Organized by RTU, Kota & KITE, Jaipur.
- Attended 5 days STTP on "Ubiquitous Computing & Wireless Sensor Networks" from 16 to 21 September 2019 Sponsored by AICTE, New Delhi & Organized by PCE, Jaipur.
- Attended 3 Days FDP on "Research Methodology & Data Analysis" on 8-10 August, 2019 Sponsored by TEQIP-III RTU (ATU)& Organized by RTU, Kota & PCE, Jaipur
- Attended AICTE sponsored 3 days FDP on "Faculty development program for student induction" on 1-3 July, 2019 PCE, Jaipur.

DR. PAYAL BANSAL

- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 organized by Poornima College of Engineering

RAJVEER

- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 3 days workshop on "Recent Advancement in Soft Computing and Optimization Techniques for Smart Engineering Systems" on 24-26 February 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 organized by Poornima College of Engineering.
- Attended 5 days STTP on "Ubiquitous Computing & Wireless Sensor Networks" on 16-21 September 2019 Sponsored By AICTE, New Delhi & Organized By PCE, Jaipur.

DR. ASHOK KAJLA

- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 organized by Poornima College of Engineering
- Attended 3 days AICTE Advanced Training of Trainers (ToT) Workshop 15-17 September 2019
- Attended 5 Days STTP on "Ubiquitous Computing & Wireless Sensor Networks" on 16-21 September 2019 Sponsored By AICTE, New Delhi & Organized By PCE, Jaipur
- Participated in the FDP on "Technology Enabled teaching & Learning" 1-6 July 2019
- Attended AICTE sponsored 3 days FDP on "Faculty development program for student induction" on 1-3 July, 2019 at PCE, Jaipur.

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GAURAV SAXENA

- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 Organized by Poornima College of Engineering.

DR. A. K SINHA

- Attended 2 days National Workshop on "Mobile Network Security and Smart Antenna" on 6-7 March 2020 Sponsored by DST, Rajasthan & Organized by Poornima College of Engineering.
- Attended 2 Days FDP on "Implementation of Outcome Based Education" on 14-15 February 2020 Organized by Poornima College of Engineering.

DR. SHUCHI DAVE

- Attended AICTE sponsored "Advanced Training of Trainers workshop on Preparing Resource person "for student Induction from 15/11/19 to 17/11/19 at IIIT Hyderabad.
- Presented a paper on "RFID based security Device for rural women of Jaipur District" from 9/11/19 to 10/11/19 in TEQUIP-III Sponsored National Conference on Recent Advancements in Computational Mathematics and Engineering Sciences organized by RTU kota & Vivekananda Institute of Technology Jaipur.
- 3 Days FDP on "Research Methodology & Data Analysis" from 08/08/2019 to 10/08/2019 Sponsored by TEQIP-III RTU (ATU) & Organized by RTU, Kota & PCE, Jaipur.
- Attended AICTE sponsored 3 days FDP on "Faculty development program for student induction" on 1-3 July, 2019 PCE, Jaipur.

MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Celebration of Independence Day & Faculty Felicitation	August 15, 2019	Mr. Durgesh Kumar
2	Industrial Visit Saras Dairy Jaipur	August 29, 2019	Ms. Manisha Kumawat
3	Teachers Day Celebration	September 5, 2019	Ms. Monika Surana
4	Hindi Diwas Celebration	September 14, 2019	Mr. Rajveer Marwal
5	Manthan- Inter-College Debate Competition	September 15, 2019	Mr. Deepak Sharma
6	Engineers Day Celebration	September 15-16, 2019	Mr. Ajmeet Singh
7	Department Day	September 24, 2019	Mr. Ankur Dalmiya
8	Annual Day Kalanidhi' 2018 & Prize Distribution Ceremony	October 02, 2019	Mr. Rajveer Marwal
9	Unity Day Celebration	October 31, 2019	Ms. Shikha Sharma
10	IETE Foundation Day	November 2, 2019	Mr. Rajveer Marwal

ICAIAA-2019 (International Conference on Artificial Intelligence: Advances and Applications-2019) is a two-day conference which aims bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Engineering Applications of Artificial Intelligence. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Engineering Applications of Artificial Intelligence. In this conference covers research works carried out by various students such as bachelor, master and doctoral scholars, and faculty and industry persons in the area of Artificial Intelligence, Machine Learning, and Deep Learning applications in Healthcare, Agriculture, Business, and Security etc.

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Technical Workshop on MIT App Inventor August 05, 2019: MIT App Inventor is a web application integrated development environment originally provided by Google, and now maintained by the Massachusetts Institute of Technology (MIT). It allows newcomers to computer programming to create application software (apps) for two operating systems (OS): Android, and IOS. It uses a graphical user interface (GUI) very similar to the programming languages Scratch and the Star Logo TNG user interface, which allows users to drag and drop visual objects to create an application that can run on mobile devices. In creating App Inventor, Google drew upon significant prior research in educational computing, and work done within Google on online development environments. The talk highlighted various aspects of the MIT App Inventor. The speakers covered a wide range of topics including how to design App and architecture for MIT App, exploring MIT App Inventor potential applications while addressing security threats, and providing insight into the exponential advancement of technology and what we can expect from the future of the internet. The Workshop was delivered to aware the students about current technologies booming the market. It was also based upon the automation work that has been done by various Engineers in the similar fields. Dr. Ashok Kumar Kajla and Mr. Chandershekhar motivated the students for deciding their carrier goal and indulge themselves in industry automation projects and solve the society problems creating app and wirelessly controlling the different devices. He also revealed the internal structure of different sensors in mobile and how to use them for controlling and monitoring devices.



One Week STTP on Ubiquitous Computing and Wireless Sensor Networks Sponsored by AICTE Quality Improvement Scheme (AQIS) 16th – 21st September, 2019: Recent years, there has been development of new technologies related to Internet of Things, Industrial IoTs (IIoT), Industry 4.0, Smart Factories, Smart HealthCare, Smart Logistic and Supply Chains, Smart Mobility, and Smart Energy etc. Sensor nodes are the backbone of these technologies and these nodes can be worn, carried, embedded in the environment those can provide interesting contextual information. A significant increase in real world event monitoring capability with Wireless Sensor Networks will lead to a further evolution of ubiquitous computing applications. This new paradigm is about networked processors embedded in everyday objects, surrounding us, talking to each other over wireless links. Wireless Sensor Network along with RFID plays a vital role for ubiquitous computing as both the components can couple the physical world and virtual world. Ubiquitous computing and wireless sensor network has emerged as multi-disciplinary area of research and development. Course participants will learn these topics through lectures and hands-on experiments. Also case studies and assignments will be shared to stimulate research motivation of the participants. The aim of the Short Term Training Programme (STTP) is to bring together the Communities who are working in the areas of Ubiquitous computing and wireless sensor network.



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Department Day on September 24, 2019: The Department of Electronics & Communication Engineering and Electrical Engineering jointly celebrated the Department Day “Technokriti” on 24th September 2019 with great zest and enthusiasm. It aims to provide more number of opportunities to participate & perform in various activities for overall development of the students. The theme for Department Day is "Technology for Sustainable Development". It is a platform to showcase the various talents of the students which includes skill enhancement, technical and non-technical activities as well as extracurricular activities. It also gave the departments, an opportunity to showcase its achievements and bring feeling of togetherness and team working.



The various events conducted during the full span of hectic schedule include: Documentary, MIME, Project Presentation, and department report presentation, Awards Distribution, SKIT, Group Song and Group Dance.

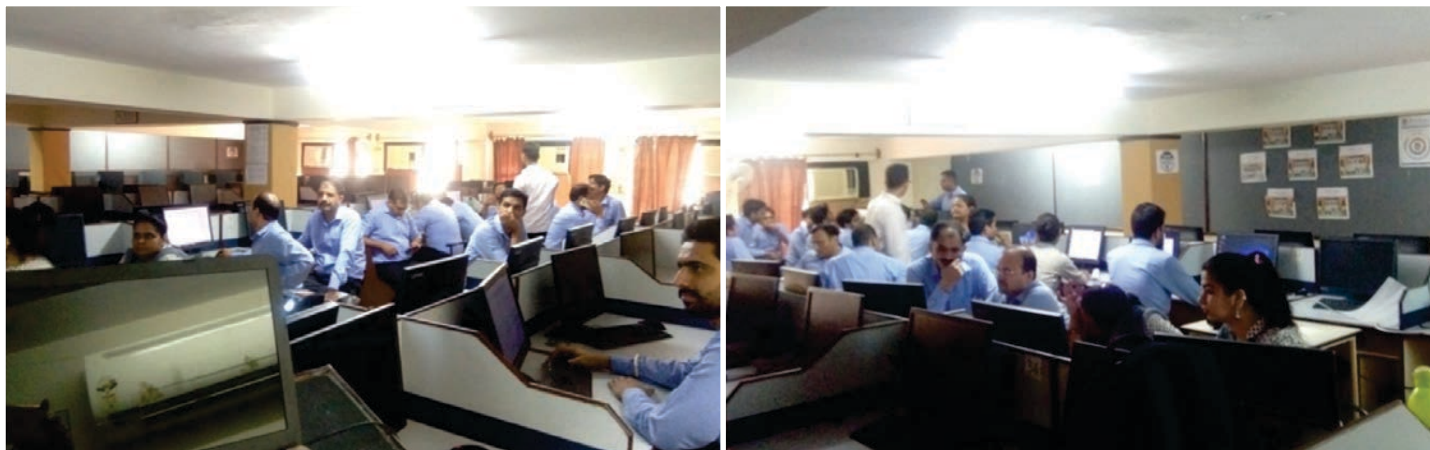
Special Lecture on Career Building is the Only Goal of Education January 12, 2020: To prepare students for their future endeavor, interview, the guidance for competitive exams, to provide the exposure to students about various employers and the guidance if the student want to go for higher study and provide a platform.

The Speaker of the day was Mr. Mukesh Kulothia, Entrepreneur Alumnus of IIM Lucknow.



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Workshop on SENSEnut Software, Wednesday, 8th February 2020: Sensenut which is the most affordable advanced and compact WSN research platform developed by Industry Experts. This platform will be useful for academic, research and industrial applications to benefit students, faculties and scientists across various domains. Supported by user friendly GUI seamlessly integrated with sensor node to monitor as well as program for various applications. SENSE nuts uniquely offers full technology stack with application layer, wireless network & cloud connectivity protocols for rapid IoT prototyping and also end to end vertical applications.



National Workshop on “Mobile Network Security & Smart Antenna” March 6-7, 2020: The Department of Electronics and Communication Engineering, Poornima College of Engineering, Jaipur organized a DST, Rajasthan Sponsored two days National Workshop On “Mobile Network Security & Smart Antenna” on March 6-7, 2020. The main objective of this workshop was to provide an exposure to the participants to the state Advances in Mobile Network Security & Smart Antenna through interaction with different eminent experts. The main content of Workshop were LTE-Advanced and 5G Security, SATCOM Security, Wi-Fi, Bluetooth and NFC Security, antenna radiation patterns and testing and optimizing antennas.



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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 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 year 2000 with Poornima College of Engineering, Jaipur. The department has its major share in the entire PF with the total intake of more than 600 students. We are providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. The department comprises of 30 faculty members, technical officers and technical assistants. The department has organized various workshops, seminars, expert lectures in this session i.e. workshop on PLC SCADA, MATLAB, Renewable Energy, Industrial Automation, etc. The department of Electrical Engineering has renowned scholars as the faculty members for imparting knowledge. The department also organized industrial visits for each and every student of II year during even semester of the current session to BSNL Training Institute, VKI, 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.

Career Prospects

- Automation Engineer
- Assistant Electrical Engineer
- Plant Design and Planning Officer
- Purchase and Quality Control Executive





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PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

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

PROGRAMME OUTCOMES (POS)

- PO 1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2: Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3: Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO 6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO 7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO 8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO 9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.
- PO 10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO 11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
- PO 12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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PROGRAMME SPECIFIC OUTCOMES (PSOS)

- PSO 1:** Graduate possesses the ability to apply fundamental knowledge of basic sciences, mathematics and computation to solve the problems in the field of electrical engineering for the benefit of society.
- PSO 2:** Graduate possesses the ability to professionally communicate and ethically solve complex electrical engineering problems using modern engineering tools.
- PSO 3:** Graduate possesses sound fundamental knowledge to be either employable or develop entrepreneurship in the emerging areas of renewable and green energy, electric and hybrid vehicles and smart grids and shall be susceptible to life- long learning.

MESSAGE FROM HEAD OF DEPARTMENT

I take this opportunity to pen down a few of my thoughts through this message. It is a matter of great pride that we all belong to the community of Electrical Engineers. Electrical engineering is one branch that shall always be a part of all kinds of development and transformation. The renewable energy revolution has begun and is growing leaps and bounds providing scope for extensive research leading to innovative ideas paving way to the GREEN TECHNOLOGIES. The grids are becoming smarter and intelligent with a lot of automation systems and communication technologies embedded into. Far is not the day when the sight of fossil fuel driven vehicles would be a rare sight. Electric vehicles will rule the automobile market. Advancements in energy storage technologies will soon revolutionize the energy scenario round the globe. Apart from their expertise in the core areas, the Electrical engineers are well equipped with the basics of material technology, communication sciences and programming fundamentals. This makes them best fit to all kinds of interdisciplinary domains of work. The Department of Electrical Engineering of Poornima College of Engineering has 9 Professors with experience of over 2 decades and with wide research specialization in the areas of Power Systems, Power Electronics, Electric Drives, Renewable Energy and Smart Grid Automation etc. We have all the state of art laboratories that ensure excellent practical exposure to the students along with the very strong fundamental knowledge provided through the lectures. The department provides high quality placements with the maximum salary package reaching to 10 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. 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.



“JAI JAI POORNIMA SANSTHAN, JAI HIND”

Dr. Virendra Sangtani

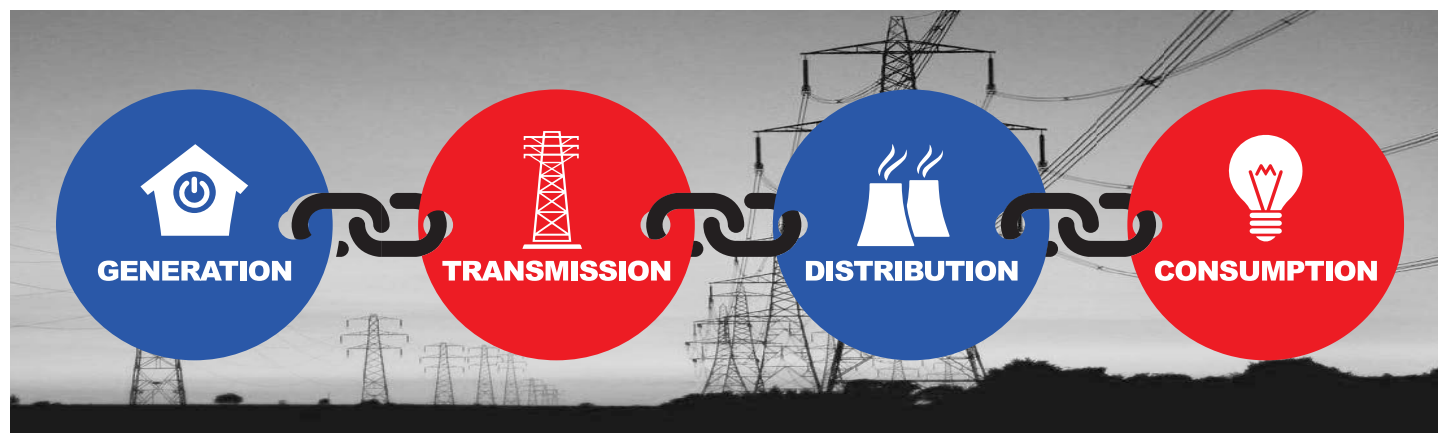
The electrical engineer has an enormous advantage over other engineers; everything lends itself to exact calculation, and a completed machine or any of its parts may be submitted to the most searching electrical and magnetic tests, since these tests, unlike those applied by other engineers, do not destroy the body tested.

-John Perry

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MULTIFARIOUS ACTIVITIES

- A Technical Seminar on “Non Linear Analysis” is organized by Dr. Virendra Sangtani, Dr. Himani Goyal Sharma, on 10/8/2019 under IEEE Student Branch Chapter. Chief Guest was Dr. Prof. S. H. Sawant (Dr. J. J. Magdum College of Engineering , Jaysingpur ,Kolhapur)
- A Workshop on “Artificial Neural Networks and its Applications” coordinated by Dr. Himani Goyal Sharma on 26-08-2019. Chief guest was Dr. Himanshu Chaudhary, Manipal University
- A Technical Seminar on “Developing artificial brain from supramolecular assembly driven prime numbers” coordinated by Dr. Virendra Sangtani, Dr. Himani Goyal Sharma on 11-09-2019 Under IEEE Student Branch Chapter Chief Guest was Dr. Pathik Sahoo (A Post Doctoral Research Fellow, at National Institute for Materials Science, Japan)
- A Workshop on “Hands on practice on optimization of application of Renewable Energy Resources using HOMER software” coordinated by Dr. Deepika Chauhan on 20-09-2019. Chief Guest of the event Mr. Bhawani singh & Mr. Sumit Yogi, Senior Automation Engineer , Vision World & Automation .
- A National Workshop on “Recent Advancements in Soft Computing and Optimization Technique for Smart Engineering Systems”, conducted on Feb. 24-26, 2020 sponsored by DST Rajasthan. The workshop aimed at developing expertise of soft computing and optimization techniques like Fuzzy Logic, Artificial Neural Networks, and Particle Swarm Optimization etc. that can be used to solve various complex and smart engineering systems.
- A Seminar on “Personality Development” Dr. Virendra Sangtani, Dr. Himani Goyal Sharma Feb. 27-28, 2020. Speaker was Mr Alakshandra Mogre (Personality Development Trainer, Aakashvani Expert Trainer and Doordarshan T.V.Anchor)
- A National Webinar on “Advances in Biomass Energy Technology” by Dr. Himani Goyal Sharma on 30-05-2020 Under IEEE Student Branch Chapter Speaker was Dr Rajneesh Kaushal (Professor, National Institute of Technology, Kurukshetra)
- A Technical Session on “Hybrid Electric Vehicle” conducted on 31-05-2020 is organized by Dr. Pravin Sonwane. Speaker was Mr. Jayadeep Shah, from Kalpana Foundation
- A webinar on “Engaging Members in Research and Innovation on Emerging Technologies” was conducted on July 16, 2020. Speaker was Celia Shahnaz, Bangladesh.



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Technical Seminar on Planning and Designing of Transmission System for Integration of 35GW RE Power in Rajasthan on Monday, September 16, 2019 under the banner of IEEE Student Branch Chapter Poornima College of Engineering (Chapter Code: STB08621): The IEEE Student Branch has been opened under Advanced Studies & Research Center (ASRC) of the Poornima College of Engineering vide welcome letter dated 21 January 2019 having Student Branch code STB08621. The basic objective of opening this branch under ASRC has been to further open different Society Chapters in various departments of the College thereby involving all Bachelor students and faculty in IEEE activities and awareness through conduction of Technical Seminars, Workshops, Conferences and other technical & cultural activities leading to promotion of IEEE and advancement of technology in right perspective. At present there are more than 16 IEEE Student Members and more than 3 Professional members under the branch.



Technical Seminar on Non Linear Analysis on Saturday, 10 August, 2019 under the banner of IEEE Student Branch Chapter & Department of Electrical Engineering Poornima College of Engineering (Chapter Code: STB08621): IEEE Student branch (Student Branch code STB08621) in Poornima College of Engineering is functional since 2011. As Branch Counselor of IEEE, I have been a part of many branch activities this year including seminars, National level model competitions and “Technovation” etc. The basic objective of opening this branch has been to further open different Society Chapters in various departments of the College thereby involving all Bachelor students and faculty in IEEE activities and awareness through conduction of Technical Seminars, Workshops, Conferences and other technical & cultural activities leading to promotion of IEEE and advancement of technology in right perspective.



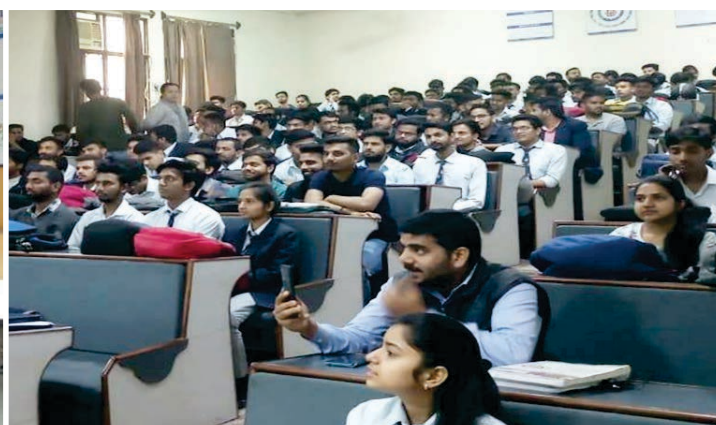
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NATIONAL WORKSHOP ON “Recent Advancements in Soft Computing and Optimization Techniques for Smart Engineering sponsored by DST (Rajasthan) Systems” on February 24-26, 2020:

Department of Electrical Engineering, Poornima College of Engineering, Jaipur has organized DST (Rajasthan) SPONSORED NATIONAL WORKSHOP ON “Recent Advancements in Soft Computing and Optimization Techniques for Smart Engineering Systems” on February 24-26, 2020. The workshop aimed at developing expertise in soft computing and optimization techniques like Fuzzy Logic, Artificial Neural Networks, Particle Swarm Optimization etc. that can be used to solve various complex and smart engineering systems. The main expected outcomes was to enable the participants to gain expertise in Soft Computing and Optimization Techniques like Fuzzy Logic, Artificial Neural Networks, Particle Swarm Optimization etc. that can be used to solve various Complex and Smart Engineering Systems. They are also expected to apply Evolutionary Algorithms to the Smart Grids and Distributed Generation systems. Finally, 47 participants were shortlisted out of 85 participants after getting their written consent for attending all the sessions of the workshop.



Two Days Seminar on Personality Development on February 27-28, 2020 under the banner of IEEE Student Branch & Department of Electrical Engineering, Poornima College of Engineering, Jaipur: IEEE Student Branch & Department of Electrical Engineering, Poornima College of Engineering, Jaipur has organized a seminar on Personality Development and the speakers of the day were Mr Alakshandra Mogre, Personality Development Trainer, Aakashvani Expert Trainer and Doordarshan T.V. Anchor. The main Objective of this seminar was to build self-confidence, enhance self-esteem and improve the overall personality of the participants. The seminar aimed at grooming the participants through sensitizing them about proper behaviour, socially and professionally, in formal and informal circumstances.





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ENDEAVORS

DR VIRENDRA SWAROOP SANGTANI

- Published Paper entitled, 'Analysis of a Flat Plate Photovoltaic and Thermal Solar Collectors in the International Journal of Trend in Scientific Research and Development ISSN: 2456-6470, 2019.
- Published Review Paper entitled 'Hybrid Energy System' in the International Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, 2019.
- Published Paper entitled, Printed Solar Photovoltaic Cells: A Review International Journal for Science and Advance Research in Technology ISSN: 2395-1052, 2019.
- Presented Paper in the International Conference, 'Efficiency improvement approach of InGaN based solar cell by investigating different optical and electrical properties' on Sustainable Computing in Science, Technology & Management 2019.
- Published and Presented Paper entitled, 'Optimal Design of a Stand-Alone Hybrid System using GA, PSO and ABC International Conference on Artificial Intelligence: Advances and Applications International Journal 2019.

DR. DEEPIKA CHAUHAN

- Published and Presented entitled, "Design and simulation analysis of 100 kwp Solar plant: a comparative analysis of various Photovoltaic technologies" in the International conference on "Recent Trends in Environment and sustainable Development International Journal 2019.
- Published Paper entitled, 'A Review on Application Areas of Wireless Power Transfer' (IJRASET) in the International Journal ISSN: 2321-9653; 2019.

MR. Udit MAMODIYA

- Published Paper entitled, 'Green Building Design and Security System' in the Journal of Web Engineering & Technology International Journal ISSN: 2455-1880 (Online) 2019.
- Published Research Paper on Bluetooth based Home Automation Using Arduino
- Journal of Advancements in Robotics in the International Journal ISSN: 2455-1872 (Online) 2019.
- Published a Review Paper on Solar Energy System in the International Journal of engineering Research and General Science International Journal ISSN: 0374-8588 2019.

MAYANK SHARMA

- Presented Paper entitled, 'IoT Based Home Security System with Wireless Sensors and Telegram Messenger' In the International Conference on Sustainable Computing in Science, Technology & Management, 2019.
- Published and Presented Paper entitled, 'New Designs and Analysis Multi Core Photonic Crystal Fiber using Ellipse the Different Radius and Angle in the International Conference on Artificial Intelligence: Advances and Application International Journal Springer, 2019.

MR. BRIJRAJ SINGH SOLANKI

- Published Paper entitled, 'Power Quality Improvement in a Grid Coupled Solar PV System using Grey Wolf Optimization (IJSDR), in the International Journal ISSN: 2455-2631, 2019.
- Published and Presented Paper entitled, 'New Designs and Analysis Multi Core Photonic Crystal Fiber using Ellipse the Different Radius and Angle in the International Conference on Artificial Intelligence: Advances and Application International Journal Springer, 2019.



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MR. GAURAV SHRIVASTAVA

- Published Paper entitled, 'A Research Paper on Financially Intensive Solar Inverter (IJSART) in the International Journal ISSN [ONLINE]: 2395-1052, 2019.
- Published a Review Paper on HVDC Circuit Breakers (IJTSRD) in the International Journal ISSN: 2456–6470, 2019.
- Published a Review on Wind Energy Technologie(IJSART) in the International Journal ISSN [ONLINE]: 2395-1052,2019
- Published Paper entitled, 'Challenges of Hybrid Electric Vehicle for Military Application
- IJTSRD)' in the International Journal ISSN: 2456–6470, 2019.

MR. PANKAJ GAKHAR

- Published Paper entitled, 'A novel control strategy for power quality improvement in grid-connected solar photovoltaic system' in the Indonesian Journal of Electrical Engineering & Computer Science.(SCOPUS Journal),2019.
- Published Paper entitled, 'Power Quality Improvement in a Grid Coupled Solar PV System using Grey Wolf Optimization 'in the (IJITEE) SCOPUS Journal ISSN: 2278-3075, 2019.
- Published Paper entitled, 'Power Quality Improvement in a Grid Tied SPV System Using Fractional Order Proportional Integral Controller Algorithms of Intelligent Systems' in the Springer Journal of the Gujarat Research Society,2019.

DR. NEERAJ TIWARI

- Presented Paper in the International Conference entitled, 'Data Acquisition to detect soiling and overheating faults in PV panels, ICEODS-2019.
- Presented Paper entitled in the National Conference, 'Modeling of Grid Connected Solar Photovoltaic Cells for Generation of Solar Power' ICMAS-2019.
- Published Paper entitled, 'ELECTRICITY GENERATION THROUGH SOLAR ENERGY CONCEPT AND ITS MECHANISM' in the International Journal of the Gujarat Research Society ISSN: 0374-8588, 2019.
- Published Paper entitled, 'Investigation of SPV Power Plant With Axis Sun Tracker TEST Enggg and Management' in the International Journal ISSN: 0193-4120, 2019.
- Presented a Review Paper entitled, 'IoT and Its Application' in an International Conference ETEST-2020.

RAJENDRA SINGH

- Published Paper entitled, 'Tracking of Solar System' in the International Journal of Web Engineering & Technology, ISSN: 2455-1880 (Online), 2019.

MOHAMMAD ASIF IQBAL

- Paper Published and Presented entitled, 'Efficiency Improvement Approach Of Ingan Based Solar Cell By Investigating Different Optical And Electrical Properties' in the International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019) Elsevier SSRN Electronics Journals DOI: <http://dx.doi.org/10.2139/ssrn.3355165> Hosting by Elsevier SSRN Electronics Journals, 2019.
- Paper Published entitled, 'TCAD Based Simulation and Performance Optimization of of InxGa(1-X)N based Solar Cell' in the Global Journal of Researches in Engineering: F Electrical and Electronics Engineering, Online ISSN: 2249-4596 & Print ISSN: 0975-5861, 2019.



COVID-19 CRISIS

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- Paper Published entitled, 'Modelling and Efficiency Analysis of InGaP/GaAs Single Junction PV cells with BSF' in the International Journal of Engineering and Advanced Technology, ISSN: 2249-8958, 2019.

DR. AMIT SHRIVASTAVA

- Paper Published entitled, 'Economic and Environmental impact Analysis of Hybrid Generation System' RTESD, 2019.
- Paper Published entitled, 'Financial Feasibility of Solar PV Lanterns for Households of a Remote Village Cluster without Access to Electricity' in the International Journal of Environment and Sustainable Development Communicated (ESCI and SCOPUS Indexed), 2019.
- Paper Published entitled, 'Development of Asynchronous Bearing Fault Diagnosis Method using TDA and FFNN' in the International Journal IJITEE, ISSN: 2278-3075, 2019.
- Paper Published entitled, 'Design and Optimization of a Power Generation System based on Renewable Energy Technologie' in the International Journal of Innovative Technology and Exploring Engineering (SCOPUS Indexed), ISSN: 2278-3075, 2019.
- Paper Published entitled, 'Optimum Irrigation Using Solar Powered Automatic irrigation system for Water Conservation' in the International Journal RTESD, 2019.
- Paper Presented entitled, 'Optimisation of Solar Wind Hybrid Renewable Energy System for Distributed Generation Using HOMER in the International conference on "Recent Trends in Environment and sustainable Development, 2019.
- Paper Presented entitled, 'Design and Development of Smart Irrigation System for Conservation of Waer in crop irrigation' in the International conference on "Recent Trends in Environment and sustainable Development, 2019.
- Paper Presented entitled, 'Design and simulation analysis of 100 kwp Solar plant: a comparative analysis of various Photovoltaic technologies" in the International conference on "Recent Trends in Environment and sustainable Development, 2019.

DR. HIMANI GOYAL SHARMA

- Paper Published entitled, 'Design and Analysis of Step Impedance Resonator Based UWB Band Pass Filter using MIM Waveguide' in the International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, (Scopus Journal), 2019.
- Presented Paper in an International Conference entitled, "Lifetime Comparison in WSN with Static and Mobile Sink (ICRTIEST – 2019).
- Paper Presented in an International Conference entitled, 'Review on impact of adverse effect ofled on human health (ICRTIEST - 2019).
- Paper Presented in an International Conference entitled, 'Performance Evaluation of Mobile Sink using Metaheuristic Optimisation Techniques' (SUSCOM-2019).
- Paper Published in an International Journal entitled, 'Wireless Power Transmission using SPS' (IJTSRD), 2019.

DR. PRAVIN MACHHINDRA SONWANE

- Paper Publised entitled, 'Switched Reluctance Motor Driver Based Solar Power Water Pumping System' in an INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING, ISSN: 2348-2281 (ONLINE), 2019.



COVID-19 CRISIS

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- Paper Published entitled, 'Comparative Study on Five and Nine Level MLI for Percentage THD Reduction in an INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING ,ISSN: 2348-2281 (ONLINE),2019.
- Paper Published entitled, 'Analysis of Reliability using Artificial Intelligence Technique' in an International Journal of Innovative Technology, ISSN 2321-8665, 2019.
- Paper Presented entitled, 'Machine Learning based Clustering for Identifying Power Quality Events' IEEE FIFTH INTERNATIONAL CONFERENCE FOR CONVERGENCE OF TECHNOLOGY, 2019.

MR. DEVENDRA KUMAR DODA

- Paper Published entitled, 'Financial Feasibility of Solar PV Lanterns for Households of a Remote Village Cluster without Access to Electricity' in an International Journal of Environment and Sustainable Development Communicated (ESCI and SCOPUS Indexed), 2019.
- Paper Published entitled, 'Techno-economic Analysis of LED based Solar PV Lantern in the Remote Area', in an International Conference (ICONRER), 2019.
- Paper Published entitled, 'Design and Optimization of a Power Generation System based on Renewable Energy Technologie' in an International Journal of Innovative Technology and Exploring Engineering (SCOPUS Indexed), ISSN: 2278-3075, 2019.
- Paper Published entitled, 'Decentralized Power Generation using Renewable Energy Resources: Scope, Relevance and Application' in an International Journal of Innovative Technology and Exploring Engineering (SCOPUS Indexed), ISSN: 2278-3076, 2019.
- Paper Presented entitled, 'Simulation and Optimization of Solar Photovoltaic-Wind- Diesel Generator stand alone Hybrid system in Remote Village of Rajasthan, India' ICAIAA, Springer Conference, 2019.
- Paper Presented entitled, 'Design and Optimization of PV-Wind-DG and Grid based Hybrid System for an Educational Institute in India' (ICAIAA) Springer Conference, 2019.

MR. ARPIT KHANDELWAL

- Paper Presented entitled, 'solar photovoltaic generation and its integration impact on the existing power grid' in Technovation 2019.
- Paper Presented entitled, 'Electric power system with reactive power compensation system' in Technovation 2019.
- Presented a Review paper on, 'Application of Power Line Communication in Smart Power Consumption' in Technovation 2019.
- Paper Presented entitled, 'Basic Requirements and Challenges to Establish Power Plant' in Technovation 2019.
- Paper Presented entitled, 'Thermal Batteries: A Technology Review and Future Aspects' in Technovation 2019.
- Paper Published entitled, 'Power System State Estimation By Novel Approach Of Kalman Filter' in Indonesian Journal of Electrical Engineering and Computer Science', DOI: 10.11591/Ijeecs, 2019.
- Paper Published entitled, 'Maclaurin Expansion Based Kalman Filter for Dynamic State Estimation of Power System Cogent-OA, Taylor & Francis' in an International Journal, 2019.
- Paper Presented entitled, 'Power System State Estimation- Comparison of Kalman Filters with a New Approach' in IEEE Conference, IICPE-2019.
- Paper Published entitled, 'Emerging Kalman Filters For Power System Parameters Estimation' in a Journal of Engineering Science And Technology Review, 2019.



COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

- Paper Published, 'Gaussian Error Function Expansion Based Kalman Filters For Dynamic Power System Estimation' in a Journal of King Saud University, Elsevier, 2019.

DR. RANJEET KUMAR

- Paper Published entitled, 'Impact of Plug-In Electric Vehicles on Faulted Distribution System' in an Arabian Journal for Science and Engineering, Springer, <http://link.springer.com/article/10.1007/s13369-019-04104-1>, 2019.
- Paper Published entitled, 'Fault Location in Multi-lateral Distribution Network with Electric Vehicle Charging Load Energy Storage, Wiley' in an International Journal, <https://doi.org/10.1002/est2.85>, 2019.
- Paper Published entitled, 'A Literature Review on Methodologies of Fault Location in Distribution System with Distributed Generation Energy Technology, Wiley' in an International Journal, <https://doi.org/10.1002/ente.201901093>, 2019.

MR. GAURAV JAIN

- Paper Published entitled, 'Transmission Wheeling Pricing In Embedded Cost Using Modified Amp-Mile and MVA Utility Factor Methods Advances in Technology Innovation' in an International Journal (ISSN 2226-809X), 2019.
- Paper Published entitled, 'Congestion Cost and Risk Assessment Cost Evaluation in Transmission Pricing Wheeling Proceedings of the IEEE 3rd International Conference on Inventive Systems and Control [ICISC2019], (ISBN 978-1-5386-3950-4), 2019.
- Paper Presented, 'Detection of Fault and Identification of Faulty Phase in series Capacitor Compensated Transmission Line Using Wavelet Transform' in the Proceedings of the IEEE 5th International Conference on convergence in technology [ICCT 2019].
- Paper Published and Presented entitled, 'Protection of Wind Park Incorporated Series Compensated Transmission Line Using DMWT' in the Proceedings of the IEEE first International Conference on Power, Control And Computing Technologies (ICPC2T). (ISBN 978-1-7281-4997-4), 2020.
- Paper Presented and Accepted, 'Protection of Series Capacitor Compensated Wind Farm Integrated Transmission Line Using HHT' in the , 2020.

TRIMESH KUMAR

- Paper Published, 'New Designs and Analysis of Multi-Core Photonic Crystal Fiber Using Ellipse with Different Radiuses and Angles' in Springer Nature Singapore Pte Ltd., https://doi.org/10.1007/978-981-15-1059-5_18, 2019.
- Paper Presented entitled, 'Simulation and Analysis of Photonic Crystal Fiber using Thirty-Seven Modified Multicore Rings to Reduce Dispersion' in an International Conference on Sustainable Computing in Science, Technology & Management , 2019.
- Paper Presented entitled, 'Analysis and Simulation of Multi Core Modified PCF with Uniformly Polarization High Birefringent and Low Confinement Loss' in an International Conference on Advancements in Computing & Management , 2019.

DR. BABITA KUMARI JAIN

- Paper Presented entitled, 'A Clustering and Weighted Euclidean Norm Based Short Term Load Forecasting of Normal and Anomalous Days' in an International Conference on Electrical and Electronics Engineering (ICEEE 2020), Feb 28-29, NPTI HQ, New Delhi, LNEE Series of Springer Nature, 2020.

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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

The Department of Information Technology was established in 2001. The department is considered one of the vibrant departments of the college as far as results and placements are concerned. The study of Information Technology basically deals with application of computational technologies for storage, retrieval, transmission and manipulation of the information which is processed data. Both software and hardware sectors are parts of Information Technology. Due to the importance and reputation of IT, the present age is sometimes referred to as information technology age. The Department caters to the current needs of the undergraduate engineering program (B. Tech.) in Information Technology by providing state of art infrastructure. The Department aims to provide both theoretical as well as practical know-how to its students and make them employable and ready for industry intake. The department has produced excellent IT engineers who are serving in different reputed organizations and pursuing higher studies at institutes of excellence. The students of the department are exposed to hands-on experiments in areas like data structures, object oriented systems, programming languages, DBMS, Computer Networks, Operating Systems, Analysis of Algorithms, Digital Hardware Design, data mining and warehousing, software testing and other fields in Information Technology. The class lectures, laboratory experiments and student projects prepare the students for a career in the software industry and for future post graduate studies. The 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





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by the department for continuous growth of its students. We are also engaged with many external collaborations which keep our faculties up-to-date about the industrial requirements and facilitate delivering most relevant lectures/practical and tutorials. The faculty members regularly participate in workshops/ seminars and training programs organized within and outside the college for up gradation of knowledge and to keep-up with the pace of global competition. Faculty members and students are earning credits through professional certifications like NPTEL and Coursera on various curriculum oriented courses. Three industry oriented courses on IBM emerging technologies namely IBM Bluemix for Cloud, IBM Cognos for Business Intelligence and IOT are being run in the college under IBM Career Education Programs. Faculty members are engaged actively in research work in various focus areas of their interest like algorithms, databases and data mining, big data analytics, network security, artificial intelligence, IoT, SDN and publishing papers in National and International conferences and indexed journals. Students have also chosen their technical focus areas and building up their knowledge and expertise in that direction by attending relevant workshops, seminars, conferences and developing small projects under faculty guidance.

Teaching and research apart, faculty is involved in counselling and career guidance of students. 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 a strong alumni network, many of whom are serving in influential positions in multinational IT industry, academia, Govt. and public sectors.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

- PEO 1:** Graduates will perform effectively as individuals and team members of multidisciplinary projects to create innovative and sustainable solutions for societal problems, meeting with global challenges and emerging trends.
- PEO 2:** Graduates will possess core competence in Information Technology and allied engineering fields thereby maintaining the leading positions in industry and/ or excel in higher studies.
- PEO 3:** Graduates will exhibit professionalism, ethical attitude, communication ability, spirit of entrepreneurship and adapt to current advancements through research ability and lifelong learning.

PROGRAM OUTCOMES (POS)

- PO 1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4:** Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5:** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

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- PO 6:** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO 7:** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO 8:** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO 9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO 10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO 11:** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO 12:** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSOS)

- PSO 1:** Analyze, design and develop efficient algorithms and software applications to deploy in a secure network enabled environment meeting ever changing societal needs in economically acceptable terms.
- PSO 2:** Comprehend and apply knowledge of contemporary areas in Information Technology viz. Cloud based technologies, Machine Learning, Data Analytics, IOT and Network and Cyber Security to develop creative software solutions for automation of various industrial requirements.
- PSO 3:** Exhibit familiarity and practical competence in modern programming languages and open source platforms so as to develop innovative projects related to business applications.

MESSAGE FROM HEAD OF DEPARTMENT

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

Advances in Information Technology will continue to accelerate, so the need for professionals with a background of Information Technology is always on the rise. The primary focus of the department is to empower its students with overall development and necessary skills to meet academic and industry needs. Department provides a platform for the students to enhance their employability skills through various training programs and industry institute collaboration. Department has well qualified faculty and state-of-the-art facilities to provide quality education to students that match global standards with an academic ambience of excellence. The faculty members are engaged in research and development activities, and regularly participate in conferences, seminars, and faculty development programs within and outside the college through a well-supported system.

We are confident that our students will be regarded as assets to the organizations they serve in future.



Mr. Amol Saxena

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MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Alumni Interaction Session	July 12, 2019	Dr. Nitesh Kaushik
2	Code Mind Competition for II Year	July 18, 2019	Ms. Sita Gupta
3	Teacher's Day Celebration	September 5, 2019	Mr. Amol Saxena
4	Activities Under WISE	September 5, 2020	Ms. Sita Gupta
5	Engineers' Day	September 16, 2019	Dr. Nitesh Kaushik
6	Manthan Inter College Debate Competition	September 21, 2019	Ms. Shazia Haque
7	Department Day (PCE) at Arbuda Convention Centre	September 28, 2019	All faculty members
8	Workshop on Introduction to Web Development	November 13, 2019	Mr. Amol Saxena Ms. Shazia Haque
9	Workshop on Automation Testing using Selenium	September 25, 2019	Mr. Sandeep Bhargava
10	Code Mind Competition	September 27, 2019	Mr. Manoj Kumar Mr. Raj Anand
11	Workshop on Automation Testing using Selenium	September 25, 2019	Mr. Sandeep Bhargava
12	Seminar on Cyber Crime Awareness by Mr. Milind Agarwal - Founder of Cyber Crime Awareness Society	January 31, 2020	Mr. Amol Saxena Mr. Shirish Nagar
13	Workshop on Web Development using Angular by Mr. Mahendra Pal, Sr. Trainer	February 14, 2020	Mr. Raj Anand Mr. Amol Saxena
14	Webinar on Telemedicine for Smart Healthcare in Perspective of COVID19 by Dr. Sumit Kalra	June 11, 2020	Mr. Sandeep Bhargava
15	Orientation	December 9, 2019	All faculty members
16	GATE Session Followed by Mock Test-I	21 December, 2019	Dr. Nitesh Kaushik
17	GATE Mock Test-II	January 16, 2020	Mr. Sandeep Bhargava

One day workshop on “Automation Testing using Selenium” on 28th Sept., 2019

All students of III year IT and interested students of IV year attended the workshop. The participants acquired hands-on exposure in Automation, Web Driver Interface, Browser and Navigation com-ands, and Locators in Selenium Testing tool. The session was conducted by Mr. Ankur Dalmiya, Senior Analyst from WeTech Digital Software Pvt. Ltd.

One day Workshop on “Introduction to Web Development” on 13th November, 2019

The workshop was attended by 28 students of II Year-IT (III Sem.). The workshop provided an introductory exposure to programming using JavaScript, JQuery together with brushing-up of HTML-5 and CSS.

Seminar on “Cyber Crime Awareness” on 31st January, 2020

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). This seminar was aimed at raising awareness in students about different aspects of Cyber Crime and measures to safeguard from them.

One day workshop on “Web Development using Angular” on 14th February, 2020

The workshop was attended by 29 students of II Year-IT (IV Sem.). This objective of the workshop was to equip the participants with the necessary knowledge and skills required to build rich internet applications using cutting edge RIA framework from Google ‘Angular’.

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Department Day Celebration

Department of Computer Engineering and Department of Information Technology, Poornima College of Engineering, Jaipur celebrated their Department day jointly on Monday, 23rd September 2019 on the theme of “Technology for Sustainable Development”. The Chief Guest of the Department Day Celebration was Mr. Prakash Gyamlani, Senior Director, Appirio Cloud Solutions Pvt. Limited. Dr. C. K. Jha, Head of Department, CSE Department, Banasthali Vidyapith graced the day as Guest of Honor. Dr. Mahesh M. Bundeale Director, PCE welcomed the Chief Guest of the day. Dr. Mahesh M. Bundeale, Director, Poornima College of Engineering in his address enunciated the importance of organizing student driven activities thereby providing a platform to budding technocrats for enriching their skills and communication. He also emphasized upon concept based teaching learning, technical skill development and project based learning. Mr. Prakash Gyamlani, Chief Guest of the event, emphasized on strengthening basic understanding of programming and algorithm design. Dr. C.K. Jha, Guest of Honor, in his address, specified the need of exposure towards upcoming trends and technologies to increase employability. The complete programme was carried out as a student driven activity and the annual reports of both the departments CS & IT were presented by respective student representatives. The Department Day witnessed a variety of technical and cultural events along with prize distribution ceremonies. Under Technical competitions, most appreciated was Technical Poster Presentation on the aforementioned theme. The honourable dignitaries judged the poster presentations by students, and congratulated them for their efforts thereby motivating them to continue this zeal in future. The noteworthy cultural performances entailed diversified art-forms comprising drama, music and dance. The departments acknowledged the marvels achieved by their alumni and current students on the basis of academics, regularity, communication, and participation in different areas of professional excellence. The most significant award categories were Best Student, Best project, Best Sports-person and Best Cultural performance amongst the others.



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ENDEAVORS

AKSHAY SHARMA & DINESH CHAND GUPTA

- Akshay Sharma, Dinesh Chand Gupta published a paper titled “Modified radix 12 Multiplier for reducing area of designed circuit with reduce time delay” in SSRG International Journal of VLSI & Signal Processing (SSRG - IJVSP) - Volume 6 Issue 3- Sep to Dec 2019, Pages. 6-9, ISSN No. 2394 – 2584.
- Aaditya Sharma, Dinesh Chand Gupta published a paper titled “Optimized TSV Based 3d Integrated Circuit for Improve Power with Reduced Area of Circuit” in SSRG International Journal of VLSI & Signal Processing (SSRG - IJVSP) - Volume 6 Issue 3- Sep to Dec 2019, Pages. 1-5, ISSN No. 2394 – 2584.

SANDEEP BHARGAVA

- Mr. Sandeep Bhargava has received a grant of Rs. 2,50,000/- under “Collaborative Research and Innovation Scheme (CRS)” – TEQIP-III (RTU, Kota) for project titled "IoT enabled wireless monitoring and prediction system for heart patients to prevent fatal heart attack" in June-2019.

SHAZIA HAQUE

- Has successfully completed NPTEL certification of the course “Joy of computing using Python” in June 2019.
- Successfully completed online certification on “Machine Learning” offered through Coursera in November-2019.



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DEPARTMENT OF MECHANICAL ENGINEERING

VISION

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

MISSION

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

About the Department

The Department of Mechanical Engineering of PCE came into existence in the year 2004 with an alignment of the department's evolution with key events and technological advances for the betterment of society and nation. At present, it has the intake of 120 students providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. Poornima believes that Mechanical Engineering is evergreen branch in the engineering profession. Therefore, the Department of Mechanical Engineering has renowned scholars as the faculty members for imparting the knowledge. The department organizes various workshops, seminars, expert talks and presentations at national and international level. It has been taking initiatives for the versatile enhancement of the students through the technical, cultural and sport fests since its establishment.



PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

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



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PROGRAMME OUTCOMES (POS)

Engineering Graduates will be able to:

- PO 1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4:** Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5:** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO 6:** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO 7:** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO 8:** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO 9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary settings.
- PO 10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO 11:** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO 12:** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOS)

- PSO 1:** Design, analyze and innovate solutions to technical issues in Thermal, Production and Design Engineering.
- PSO 2:** Exhibit the knowledge and skills in the field of Mechanical & Allied engineering concepts.
- PSO 3:** Apply the knowledge of skills in HVAC&R and Automobile engineering.

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MESSAGE FROM HEAD OF DEPARTMENT

The Department of Mechanical Engineering of PCE came into existence in the year 2004 with an alignment of the department's evolution with key events and technological advances for the betterment of society and nation. At present, it has the intake of 120 students providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. The Department of Mechanical Engineering has renowned scholars and faculty members. Mechanical department comprise 28 Faculty Members and 8 Technical Assistants. Both the students and faculty members have vowed to leave no stone unturned. Students of mechanical department are showing impeccable performance. Students are getting placements in various companies i.e. Pinnacle Infotech Solution, Infosys, Diffusion Engineers Limited, Koide India Pvt Ltd etc. Department is successfully running the various professional societies chapter i.e. ASHRAE, ISHRAE, SAE, IGBC. Students are designing and fabricating Hybrid vehicle Hayagriva- a formula-4 racing car, Go-Kart, Quad-bike etc under the SAE club. Department conducts the Distinguished Talk of experts from outside India for the benefit of both students and faculty members. Earlier, the department conducted various conferences, workshops, seminars, expert talks and presentations on topics Advances in Refrigeration & Energy System, Sustainable and Energy Efficient Building, Robotics, One Week Workshop on Fluid Mechanics conducted by IIT KGP, One Week Workshop on Thermodynamics conducted by IIT Bombay, Expert lectures by Mr. Jim Vallort, Mr. E. Mitchell Swann, Mr. Hoy Bohanan, Dr. DL Khalil, Victor Goldsmith, Dr. Om Taneja and from professors of various IIT's and NIT's. Faculty members are publishing their research & review papers in SCI and Scopus indexed Journals and various International & National Conferences.



“JAI JAI POORNIMA SANSTHAN, JAI HIND”

Dr. Narayan Lal Jain

HONOURS

Honored of Dr. Raj Kumar by Mr. Thomas Isaac, Finance Minister of Kerala :

Dr. Raj Kumar Satankar, Associate Professor, Department of Mechanical Engineering, received the recognition award from Mr. Thomas Isaac, Finance Minister of Kerala for “G-Filter Demonstration-Introduction Of Low Cost Water Filter Technology for Rural Population” Sept22, 2019. Kochi, Kerala, India.

Working Model Demonstration of G-Filter to Mr. Ashok Gehlot, Chief Minister of Rajasthan : Dr. Raj Kumar Satankar, Associate Professor, Department of Mechanical Engineering, Nomination for the Working Model Demonstration of G-Filter Rajasthan Innovation Vision 2019 (RajIV), August 19-20, 2019, Jaipur, Rajasthan, India. The chief Guest of the program was Mr. Ashok Gehlot, Chief Minister of Rajasthan.

Honored Dr. Raj Kumar by Mr. Girriraj Singh, Union Minister of Animal Husbandry, Dairying, Fisheries:

Dr. Raj Kumar Satankar, Associate Professor, Department of Mechanical Engineering, received the best poster award Best Poster Award, Tech4Seva IIT Delhi for his work “G Filter work on drinking water treatment and its diversification for use in controlled subsurface irrigation based free chemical agriculture” Three day National Workshop on Technology Outreach as an Enabler for Inclusive and Sustainable Development at Delhi, He received the award from Mr. Girriraj Singh, Union Minister of Animal Husbandry, Dairying, Fisheries.



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MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Seminar on Advances in HVAC Industry	February 9, 2019	Mr.Shailendra Kasera Mr. Mahesh Saini
2	3-Day Faculty Development Program on Student Induction for Faculty Members of AICTE Approved Institutions	July 1-3, 2019	Dr. Yashpal
3	An alumni interaction to the alumnus Mr. Anshul Garg & Mr. Abhishek Kumar	July 20, 2019	Mr Sanjay Kumawat
4	Waste to Energy- Running Chillers with Organic Waste	July 27, 2019	Mr. Shailendra Kasera Mr. Amarjeet Bhati
5	Recent Advancements in Anaerobic Digestion	August 10, 2019	Dr. Gourav Badhotiya Mr. Shailendra Kasera
6	Visit at Bry Air Gurgaon	August 23, 2019	Mr. Shailendra Kasera Mr. Vaibhav Sharma
9	FDP RTU Sponsered TEQIP	August 27-31, 2019	Mr. Ashwani Kapoor
10	Development of Biogas Plant based on Kitchen Waste Food	August 31, 2019	Mr. Shailendra Kasera
11	Teachers Day Celebration	September 5, 2019	Mr Sanjay Kumawat
12	An alumni interaction to the alumnus Mr. Saurabh Tyagi & Mr. Ajay Jangid	September 10, 2019	Mr Sanjay Kumawat
13	Celebration of Engineers Day	September 16, 2019	Mr.Shailendra Kasera
14	Celebration of Vishwakarma Jayanti	September 17, 2019	Dr. Raj Kumar Satankar Dr. Yogesh Kumar
15	Department Day-2019	September 27, 2019	Mr. Mahesh Saini Ms. Asha Kumawat
16	Visit at Bio Gas Power Plant	October 5, 2019	Mr. Shailendra Kasera
17	One day workshop on BIM for HVAC	December 9, 2019	Mr. Shailendra Kasera
18	Distinguished Lecture on Basics of Air Change Rates (ACH): Facts versus Fiction	December 10, 2019	Dr. Umesh Kanna Mr. Shailendra Kasera
19	Advancements in Pumps and Pumping Technology	January 16, 2020	Mr. Shailendra Kasera
20	Net Zero Energy Building	June 3, 2020	Mr. Shailendra Kasera Dr. Raj Kumar Satankar
21	Finite Element Modelling of Metal Forming Processes	June 5, 2020	Dr. Surendra Kr. Saini
22	Everyone Communicates, Few Connect	June 9, 2020	Mr. Kalpit Jain
23	Ventilation, IAQ & Energy Issues in Hot- Humid Climates -Past Present & Future	June 16, 2020	Mrs. Asha Kumawat
24	Introduction to Wheeled Mobile Robots and Challenges	June 17, 2020	Dr. Surendra Kr. Saini
25	SAE Auto Quiz	June 25-26, 2020	Dr. Sagar Kumar Mr. Sanjay Kumawat

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One Day Workshop on BIM for HVAC by Mr. Nazim Khan, BIM Evangelist – BIM, Capricot Technologies Pvt. Ltd on Dec. 9, 2019:

A Technical Talk was organized and the key note speaker was One Day Workshop on BIM for HVAC by Mr. Nazim Khan, BIM Evangelist – BIM, Capricot Technologies Pvt. Ltd and Dr. Kishor Khankari, President, AnSight, Ann Arbor, MI, USA. The main objective of this workshop is to make the students acquainted with BIM (Building Information Modeling) and MEP (Mechanical, Electrical and Plumbing) Designing. The occasion witnessed the presence of Ms. Priyanka Jain, Director, Training & Development, Building Services Design & Energy Institute (MEP a2z), Mr. Nazim Khan, BIM Evangelist – BIM, Capricot Technologies Pvt. Ltd and Mr. Dinesh Rawat, Coordinator, ASHRAE India Chapter. 50 participants of ASHRAE members along with the faculty members of PCE attended the workshop. Ms Priyanka Jain explained the overview of Mechanical and (Building) Services. She focused upon the career option in BIM and MEP. There is a huge demand of BIM engineers in the market. She told that BIM is among the most promising developments in the AEC (Architecture, Engineering and Construction) segment, and it adopts various digital technologies that would help transform the AEC segment.



Ms Priyanka Jain explained the overview of Mechanical and (Building) Services. She focused upon the career option in BIM and MEP. There is a huge demand of BIM engineers in the market. She told that BIM is among the most promising developments in the AEC (Architecture, Engineering and Construction) segment, and it adopts various digital technologies that would help transform the AEC segment.

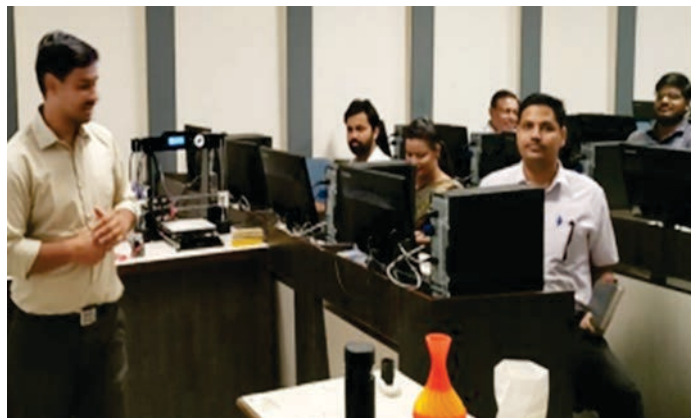
Technical Talk on “Fatigue and Endurance Limit with Property of Materials in Machine Design” by Mr. Pawan Agrwal, Director and HOD of Mechanical engineering, Selection Desk, Jaipur:

Technical Talk On “Fatigue and Endurance Limit with Property of Materials in Machine Design” by Mr. Pawan Agrwal, Director and HOD of Mechanical engineering, Selection Desk, Jaipur. Department of Mechanical Engineering, Poornima College of Engineering, Jaipur organized a Technical Talk on Fatigue and Endurance Limit With Property of Materials in Machine Design. The program was started with welcome address by Dr. Sagar Kumar, Assistant Professor, and coordinator of this technical talk. After that invited speakers Mr. Pawan Agrwal, Director and HOD of Mechanical engineering, Selection Desk started the talk. He enlightened the case studies and applications of machine design. Further the lecture was continued by Mr. Ekant Yadav EC/ EE HOD & Director, Selection Desk.



5-Day’s Faculty Development Program on “Hands on Practice on 3D printing Technology” (27th to 31th August, 2019) by TEQIP-III RTU (ATU), Kota Sponsored by Department Mechanical Engineering:

The aim of this program was to provide a fundamental understanding on the state-of-the-art additive and digital manufacturing technologies to a broad spectrum of researchers, industry practitioners, executives, teachers and students. Hands on practice on software and machine



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were included for better understanding of theory & applications. Following Emanate Personality has delivered the lectures, Dr. Santosh Kumar, IIT BHU, Mr. Ashish Varshney, Industrial Expert, Dr. Sunil Tiwari, Dept. of Mechanical Engineering Lakshmi Narain College of Technology, Bhopal, Dr. Sarang Pande, Professor & Head of Department, Marwadi Education Foundation, Rajkot, Mr. Saurabh Srivastava, Asst. Professor, Marwadi Education Foundation, Rajkot. Total 30 participants attended the FDP from various Institutes.

Technical Talk On “Development of Biogas Plant based on Kitchen Waste Food” by Dr. Kamal Kishore Khatri, Associate Prof, Department of Mechanical- Mechatronics Engineering, LNMIIT, Jaipur on Aug 23, 2019 in association with ASHRAE Jaipur Section: Technical Talk On “Development of Biogas Plant based on Kitchen Waste Food” by Dr. Kamal Kishore Khatri, Associate Prof, Department of Mechanical- Mechatronics Engineering, LNMIIT, Jaipur .Department of Mechanical Engineering, Poornima College of Engineering, Jaipur and ASHRAE Jaipur Section organized a Technical Talk on Development of Biogas Plant based on Kitchen Waste Food on Saturday i.e. Aug 31, 2019. The occasion witnessed the presence of Dr. Kamal Kishore Khatri, Associate Prof, Department of Mechanical- Mechatronics Engineering, LNMIIT, Jaipur and Dr. Mahesh Bunde, Director, PCE. Technical talk was attended by 50 students and faculty members. Dr. Kamal Kishore Khatri commenced his technical talk with waste to energy scenario. He explained that Biogas is a clean and efficient fuel that consists of Methane (55-65 %), Carbon Dioxide (CO₂), Hydrogen (H₂) and Hydrogen Sulphide (H₂S). He focused upon the fundamentals of anaerobic digestion including Principal of generation and production. He told that the Biogas plant can be of two types i.e. the fixed-dome type of biogas plant and the floating gas holder type of biogas plant. Later on, he explained the same with the help of case study of LNMIIT Biogas plant along with the future research and development activity.



Industrial Visit at “Bry-Air (Asia) Pvt Ltd, Gurgaon” in association with ASHRAE India Chapter Five Day Workshop on Material, Manufacturing and Testing : Industrial Visit at “Bry-Air (Asia) Pvt Ltd, Gurgaon” in association with ASHRAE India Chapter. Department of Mechanical Engineering, Poornima College of Engineering, Jaipur organized an Industrial Visit at Bry-Air (Asia) Pvt Ltd, Gurgaon. The basic purpose of this visit is to make the students acquainted with Refrigeration Technology, Dehumidifier, Adsorption chillers, Dry Room, Heat Recovery Wheels etc. 21 student members of ASHRAE & ISHRAE student chapters of Poornima College of Engineering, Jaipur and Poornima University, Jaipur visited the same along with faculty coordinators Mr Shailendra Kasera, Assistant Professor, Mechanical Department, PCE and Dr Umeshkannan, Associate Professor, Mechanical Department, PCE. On this occasion, Mr. Dinesh Gupta, Director, Bry-Air and Ms. Jyoti Kapoor, HR Executive, Bry-Air welcomed the students & faculty members and coordinated the entire visit. Mr. Dinesh Gupta delivered the presentation about company profile and technical specifications of products. Mr Gupta further arranged a visit to factory which includes the company product, Manufacturing unit and testing lab. During the visit, students learnt about various types of dehumidifier, Adsorption chillers, Enthalpy wheel, Dry room and plastic products technologies.



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Five Days Workshop on Material, Manufacturing and Testing:

These Five days workshop was Organized by Department of Mechanical Engineering, Poornima College of Engineering, Jaipur & Department of Metallurgical and Materials Engineering, Malviya National Institute of Technology. The aim of the workshop is to develop the skills of the students in the area of Materials Characterization, Testing and Practices by providing them comprehensive theoretical knowledge and hand on practical experiences. The students will get benefitted to get interaction with expert faculties of MNIT Jaipur. The faculties will provide both theoretical and practical sessions to students. After the lecture sessions, there was a practical demonstration and performance of various engineering experiments on different machines and equipments. The student will practically see, understand and work on various sophisticated machines and expensive instruments.



Technical Talk on “Recent Advancements in Anaerobic Digestion” Dr. Vanita Prasad, Founder & Director – REVY Environmental Solutions Pvt. Ltd. on August 10, 2019 in association with ISHRAE :

Technical Talk On “Recent Advancements in Anaerobic Digestion” Dr. Vanita Prasad: Founder & Director – REVY Environmental Solutions Pvt. Ltd. Poornima College of Engineering (PCE), Jaipur and ASHRAE Jaipur Section organized a Technical Talk on Recent Advancements in Anaerobic Digestion. The occasion witnessed the presence of Dr. Vanita Prasad, Founder & Director – REVY Environmental Solutions Pvt. Ltd., Mr. KD Singh, Managing Director, Aircon Engineers Pvt Ltd, Dr. Mahesh Bunde, Director, PCE, Mr Vijay Sehgal, Chief Engineer, Jai Mahal Palace, Indian Hotel Company Ltd. 100 participants of ASHRAE along with the faculty members of PCE attended the technical talk. Further; Dr. Vanita Prasad delivered the technical talk on Recent Advancements in Anaerobic Digestion. He told that Biogas will be generated from the food waste of PCE Mess and same will be utilized for cooking the food. This plant will be set up in Poornima College of Engineering in association with Revy Environmental Solution and Aircon Engineers Pvt Ltd.



Technical Talk on Waste to Energy- Running Chillers with Organic Waste by Mr. KD Singh, Managing Director, Aircon Engineers Pvt Ltd and Mr. Rishabh Kasliwal, Managing Director, Kamal Cogent Energy

on July 27, 2019: Technical Talk on Waste to Energy-Running Chillers with Organic Waste by Mr. KD Singh, Managing Director, Aircon Engineers Pvt Ltd and Mr. Rishabh Kasliwal, Managing Director, Kamal Cogent Energy. Department of Mechanical Engineering, Poornima College of Engineering, Jaipur and ASHRAE Jaipur Section organized a Technical Talk on Waste to Energy- Running Chillers with Organic Waste. The



COVID-19 CRISIS

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occasion witnessed the presence of Mr. KD Singh, Managing Director, Aircon Engineers Pvt Ltd, Mr. Rishabh Kasliwal, Managing Director, Kamal Cogent Energy, Dr. Mahesh Bundeale, Director, PCE, & Mr. RS Saxena, Immediate Past President, ISHRAE & President, FSAI Chapter. 100 participants of ASHRAE and ISHRAE members along with the faculty members of PCE attended the technical talk. During the technical talk, Mr Singh told that Bio-gas can be generated using food waste and the same can be utilized for running the adsorption chillers. Instead of Chemical refrigerants, these chillers used water as refrigerant which is environment-friendly. He further explained the advantage of the technology with the help of case studies of two airports.

MOU with MEP A2Z LLP, New Delhi: Memorandum of Understanding (MOU) was signed between the Poornima College of Engineering, Jaipur and MEPa2z LLP, New Delhi. Dr. Mahesh Bundeale, Director, PCE and Mr SP Jain, Chairman, MEPa2z LLP signed the MOU. MEPa2z LLP is promoted by Mr S P Jain, Chairman, located at C-64/2, Okhla Industrial Area, Phase-II, New Delhi-110020, India which is one of the rapidly growing in the field of Heating Ventilation and Air Conditioning, Electrical, Plumbing Health Engineering, Fire Fighting. Both the Parties i.e. PCE and MEPa2z believe that collaboration and co-operation between themselves will promote more effective use of their resources, and provide enhanced opportunities. Under this MOU, MEPa2z will conduct 12 half day seminars cum Industry Experts Lectures in Poornima College of Engineering in the field of Heating Ventilation & Air Conditioning, Electrical, Plumbing Health Engineering and Fire Fighting. These lectures will be conducted by the experts of various Industries. Besides that, MEPa2z will assist in 6 month job oriented HVAC course and 4-6 week summer internship program & Industry Visits, Placement of Students and Research and Development etc.



MOU with REVY Environmental Solutions Pvt. Ltd. Vadodra, Gujarat: MOU with REVY Environmental Solutions Pvt. Ltd. Vadodra, Gujarat. Poornima College of Engineering (PCE), Jaipur and ASHRAE Jaipur Section organized a Technical Talk on Recent Advancements in Anaerobic Digestion on Saturday i.e. August 10, 2019 in association with ISHRAE. The occasion witnessed the presence of Dr. Vanita Prasad, Founder & Director – REVY Environmental Solutions Pvt. Ltd., Mr. KD Singh, Managing Director, Aircon Engineers Pvt Ltd, Dr. Mahesh Bundeale, Director, PCE, Mr Vijay Sehgal, Chief Engineer, Jai Mahal Palace, Indian Hotel Company Ltd. 100 participants of ASHRAE along with the faculty members of PCE attended the technical talk. On this occasion, Memorandum of Understanding (MOU) was signed between the Poornima College of Engineering, Jaipur and REVY Environmental Solutions Pvt. Ltd. Dr. Mahesh Bundeale from PCE and Dr Vanita Prasad from Revy signed the MOU. REVY Environmental Solutions Pvt. Ltd. is promoted by Dr Vanita Prasad, Founder & Director, located at 313 -314, Siddharth Upscale, Vasna Road, Vadodara - 390 007, Gujarat, India which is one of the rapidly growing start up in the field of Environmental Biotechnology research and application. Both the Parties i.e. PCE and Revy believe that collaboration and co-operation between themselves will promote more effective use of their resources, and provide enhanced opportunities.





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ENDEAVORS

SHAILENDRA KASERA, SANJAY KUMAWAT, ASHA KUMAWAT & KALPIT JAIN

- Attended Technical talk on , 'Installation Ceremony and Distinguish Lecture on ASHRAE Standard 62.1 and LEED: Using Enhanced Air Cleaning to Integrate IAQ and Energy Conservation by Chris Muller on January 20, 2020 at Four Points by Sheraton, Jaipur.
- Attended Technical talk of ASHRAE Distinguish Lecture Program on Net Zero Hospital by Frank Mills, President, Frank Mills Consulting, Manchester, UK, on November 16, 2019 at Hotel Hilton, Jaipur.

MR. ASHWANI KAPOOR

- Attended, 'Innovation Ambassador Training, on Jan, 16-17th Jan 2020 LPU, Phagwara, Punjab.
- Exposure Visit to Rajasthan Innovation & Startup Expo (RISE-2019) on Dec. 19, 2019 at Malaviya National Institute of Technology, Jaipur.

MR. SHAILENDRA KASERA & MR. SANJAY KUMAWAT

- Attended Technical talk of ASHRAE Distinguish Lecture Program on Design and Analysis of Natural Ventilation Systems by Dr. Kishor Khankari, President, AnSight LLC, ANN Arbor, Michigan, USA, on December 9, 2019 at Jaipur Club, Jaipur

MR. SHAILENDRA KASERA & DR. UMESH KANNAN

- Attended Conference & Exhibition on Nugen Mobility Summit, on Nov 28-29, 2019, ICAT Centre-II, IMT Manesar.

DR. SAGAR KUMAR & MR. BHUVNESH SHARMA

- Attended 5 days Faculty Development Program (FDP) on "Design and Analysis of Mechanisms and Machines through MotionView and MATLAB" on Nov 11-15, 2019 at Department Of Mechanical Engineering MNIT, Jaipur

MR. KALPIT JAIN, MR. SANJAY KUMAWAT, DR. YASHPAL KAUSHIK, DR. SAGAR KUMAR

- Attended TEQIP-III Sponsored 5 DAYS FACULTY DEVELOPMENT PROGRAMME ON "Hands-on Practice on 3D Printing Technology" from 27th to 31st August, 2019 at Poornima College of Engineering Organized by Rajasthan Technical University, Kota & Poornima College of Engineering, Jaipur

DR. SAGAR KUMAR

- Attended TEQIP-III sponsored 3 days Faculty development Programme on Research Methodology and Data Analysis on Aug 8-10, 2019 at Poornima College of Engineering Organized by Rajasthan Technical University, Kota & Poornima College of Engineering, Jaipur.

MS.ASHA KUMAWAT, MR. KALPIT JAIN, DR. SAGAR KUMAR, MR. NAVAL K. JAIN

- Attended Faculty Development Program on Student Induction (FDP-SI) at 01-03, July 2019 by AICTE at Poornima Institute of Technology, Jaipur.

MR. ASHWANI KAPOOR & MR. SANJAY KUMAWAT

- Attended Symposium SAE INDIA- TTTMS (Think Tank for Thermal Management Systems) Symposium & Exhibition - 2019, on May, 2nd & 3rd 2019 Jaisalmer, Rajasthan.



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DR. RAHUL SEN

- Paper Presented on "Utilization of Lean Grade and Waste Resources for Production of DRI: Study of Kinetics and pallet Properties" in the 4th International Conference on Advances in Steel, Power and construction Technology, on Nov. 21-22, 2019 OP Jindal University, Raigarh.

MR. AMIT MANDAL

- Paper presented on Performance improvement of Savonius Turbine by Design Modification: A Review in an International Conference on New & Renewable Energy resources for sustainable future- ICONRER- 2019, Nov 07-09, 2019. SKIT, Jaipur.

DR. RAJKUMAR SATANKAR

- Attended Innovation Exhibition, G-Filter Demonstration, Sept 22, 2019 Kochi, Kerala, India.
- Got awarded at National Teachers felicitation ceremony with Gyanpunj Samman, National Teacher Award, Vipin Joshi Smarak Samiti, on Sept. 05, 2019, Itarasi, M.P. India
- Attended Innovation Exhibition on G-Filter Demonstration August 19-20, 2019, Birla Auditorium, Jaipur, Rajasthan, India.
- Awarded with Best Poster Award in the National Workshop Tech4Seva of three days National Workshop on Technology Outreach as an Enabler for Inclusive and Sustainable Development on Aug, 10-12, 2019.
- Successfully Completed 6 weeks Online Course on "Faecal Sludge Management (FSM)" from Oct to Nov- 2019 organized by Manipal University Jaipur (MUJ), India.

KALPIT JAIN

- Successfully completed 4 weeks NPTEL Swayam Course on Product Design USING Value Engineering from July- Sept- 2019.

ASHA KUMAWAT

- Successfully completed 8 weeks Elite NPTEL Swayam Course on Design Practice from July to Sept 2019.
- Completed 6 weeks Online Course on "Faecal Sludge Management (FSM)" from Oct to Nov- 2019 organized by Manipal University Jaipur (MUJ), India.

SHAILENDRA KASERA

- Successfully completed Elite 8 Weeks Course NPTEL Swayam Course-Refrigeration and Air Conditioning from July to Sept 2019
- Completed 6 weeks Online Course on "Faecal Sludge Management (FSM)" from Oct to Nov- 2019 organized by Manipal University Jaipur (MUJ), India.

DR. YASHPAL

- Successfully Completed 6 Week Online Course on "Faecal Sludge Management (FSM)" from Oct to Nov- 2019 organized by Manipal University Jaipur (MUJ), India.

DR. RAHUL SEN

- Successfully Completed Online 6 Weeks Course on "Faecal Sludge Management (FSM)" from Oct to Nov 2019 organized by Manipal University Jaipur (MUJ), India.

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DEPARTMENT OF CIVIL ENGINEERING

VISION

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

MISSION

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

About the Department

The Department of Civil Engineering of PCE came into existence in the year 2011 with an alignment of the department's evolution with key events and technological advances for the betterment of the society and nation. At present, it has the intake of 60 students providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. 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

Civil Engineering is a professional engineering discipline that deals with the design, construction and maintenance of the physical and naturally built environment, including works such as bridges, roads, canals, dams and buildings. Our department has a team of qualified and experienced faculty and staff members and we are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and technology. The core values of the department help the students to develop their overall personality and make them worthy technocrats to compete and work at global level. Our department has been conducting seminars/conferences since its beginning to keep the faculty and students abreast with the latest developments in the field of technical education. I am certain that our students will prove to be an invaluable asset to an organization.



MR. BALWAN SHESHMA



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PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- PEO 1:** Graduates will be able to apply fundamental principles of science, mathematics and engineering using modern tools to solve the societal and environmental problems.
- PEO 2:** Graduates will be able to use their practical, field survey, computer and analytic skills to build industry ready engineers to solve multi-disciplinary sustainable projects.
- PEO 3:** Graduates apply innovative ideas to improve the technical competency in engineering decisions, lifelong learning, to equip leadership qualities in diverse teams, promote and practice appropriate ethical morals to become professional engineers.

PROGRAM OUTCOMES (POS)

- PO 1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4:** Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5:** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO 6:** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO 7:** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO 8:** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO 9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO 10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO 11:** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO 12:** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OBJECTIVES (PSOS)

- PSO 1:** Enhancing the employability skills by making the students capable of qualifying National level competitive examination.
- PSO 2:** Competency in professional and Industrial areas.
- PSO 3:** Inculcating in students tech saviness to deal with practical aspects of civil engineering.

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MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	FDP on Research Methodology & Data Analysis	August 8-10, 2019	Mr. Balwan Sheshma
2	Analysis And Design of Intze Water Tank	Febraury 3, 2020	Mr. Divya Vishnoi Mr. Balwan Sheshma
4	Concrete Mix Design Workshop	October 9, 2019	Mr. Divya Vishnoi Mr. Alok Kumar
5	Sustainable Construction Practices	October 13-15, 2019	Mr. Vishal Chaurasia
6	Webinar on Understanding Cement Test Reports	May 29, 2020	Mr. Divya Vishnoi Mr. Balwan Sheshma
7	Webinar on Digital Transformation in Construction Industry	June 5, 2020	Mr. Shanker P. Mishra Mr. Balwan Sheshma
8	Webinar on Quintic and Quinticated Nonlinear Oscillators	June 17, 2020	Dr. Shilpi Jain Mr. Balwan Sheshma
9	Earth Day	April 22, 2020	Mr. Shanker P. Mishra
10	World Environment Day	June 5, 2020	Dr. Jitendra Kumar
11	Survey Camp	September 17-20, 2019	Mr. Shanker P. Mishra

TEQIP-III Sponsored Three Days Faculty Development Programme on “RESEARCH METHODOLOGY & DATA ANALYSIS” from 08 August to 10 August 2019 :Poornima College of Engineering has organized a three days Faculty development Programme on Research Methodology and Data Analysis. This programme was inaugurated by chief guest Dr. Sandeep Choudhary, Professor IIT Indore, Prof. K.B. Rana, RTU FDP Coordinator, Prof. Mahesh Bunde, Director, PCE Mr. Pankaj Demla and Mr. Balwan. Programme was started with lamp lighting and Sarasvati Pooja by our Chief Guest Dr. Sandeep Choudhary. Session was preceded with welcome note by our Director Prof. Mahesh Bunde. He welcomed and felicitates our chief guest Prof. Sandeep Choudhary. He also briefed the importance of Research Methodology and Data analysis for faculty members, researchers, and students. Chief Guest Prof. Sandeep Choudhary also highlight the importance of such Faculty development Programme. Also Mr. Balwan Seshma, programme coordinator, welcomed to all the participants and told about the FDP program. There are 50 participants were registered from various renowned institutes of Rajasthan and India. This programme was conducted in 8 modules included various important aspect of above-mentioned topic. Module third, titled “Methods and Design of Data Collection” was delivered by Dr. Tapan Kumar Gandhi, Associate Professor, IIT Delhi. In this module, Prof. Gandhi explained about sample design, methods for design, sources of data collection and their Components. Prof. Gandhi also highlighted the methodology for Data Collection by Designing Questionnaires. Three days Faculty development programme on topic “Research methodology and Data Analysis” successfully completed on 10 august, 2019. Prof (Dr.) Arvind Kumar Dewedi, Controller of Examination, RTU Kota was chief guest of valedictory session. In FDP, many speakers from renowned IITs and NITs shared his knowledge about research methodology, formation of Questioner, sampling, data collection and data analysis etc..



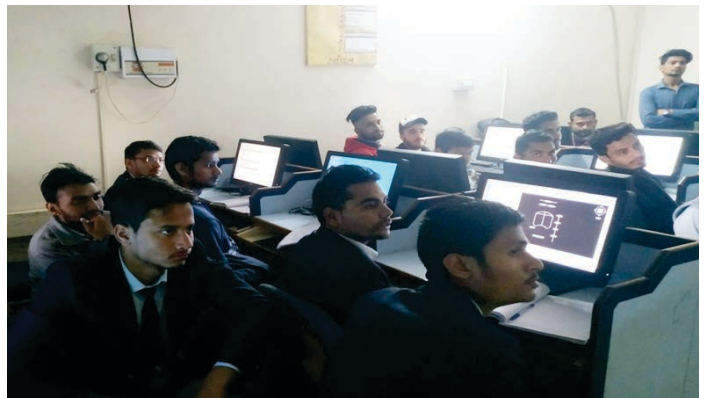
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Survey Camp 17th September 2019 to 20th September 2019 : Department of Civil Engineering conducted a three days Survey Camp for 2nd year students of Civil Engineering successfully from 17 September 2019 to 20 September 2019 as the compulsory part of the RTU academic curriculum for 3rd semester (Civil Engineering). This camp was aimed to groom civil engineering students with essential knowledge and exposure to the real work, and to encourage leadership and teamwork skills. This survey camp resulted in encouraging and supporting students, emerging as leaders in several areas of academic provision. The three days camp was divided into two phase in 1st phase 3 days were for field work at Chandwaji and in 2nd phase 1 day for Calculation, Result analysis, Presentation and closing ceremony at College Campus. Students were divided into 06 groups of 7-8 students monitored by final year student coordinator and faculty coordinator. During three days of field work students were also engaged in social activity. In the camp all the students of Civil Engineering Department learnt all the technical aspect which is required in Surveying. 7 exercises were performed in 3 days. Students also went in the village to motivate people about vote power and visit nearby school to encourage children about what they can do for a bright future. They also distributed prizes to school students like stationary items e.g. Pen, notebook etc., for the correct answer in activity which they participated. On 20th September students completed their calculation work, group wise viva and presentation was checked by the faculty members of department. The best 2 groups were chosen out on the basis of their performance, knowledge gained and activities performed. Individual student round was also taken in which 3 best students were picked up for their outstanding performance.



Analysis and Design of Intze water tank (3rd Feb 2020)

: A One day Workshop on "Analysis and Design of Intze Water Tank" is organized by Department of Civil Engineering for 3rd and final year students on 03rd Feb, 2020 coordinated by Divya Vishnoi. In Water Tank workshop students learned about geometry designing of water tank, Supports assign, Section Property, loading assessment on Tank, Analysis of tank , Analysis of staging, Design of Circular beams, Design of staggering of Tank, Drawing and detailing etc.



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Visit to a Sewage treatment plant

A Visit to “A Sewage treatment plant” is organized by Department of Civil Engineering for 3rd year students on 6th Feb, 2020 coordinated by Mr. Arpit Singh Bhadoriya.

About the visit:

- The visited Sewage Treatment Plant (STP) was set up by Poornima University, Jaipur in the year 2017.
- The sewage treatment plant at Poornima University is a well managed private treatment plant. It treats the sewage generated from the hostels and campus and later the treated water is used for planting.
- A total of 55 students went there.
- Discussed about the water; its importance, waste generation, sewage and its disposal techniques.
- Discussed about the treatment of water.
- Students gained knowledge about the treated waste water and its different reusing ideas.
- The overall experience at Sewage Treatment Plant, Poornima University was excellent.

Benefits:

- Practically observed a sewage treatment plant and the processes involved.
- Gained knowledge about waste and its properties.
- Gained knowledge about the different tests conducted.
- Gained the knowledge about the uses of treated water.
- Teamwork and corporation among each other





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Expert Lectures on Regarding for Basic Information about Indian Army, Navy and Air forces: On 22/02/2020 Colonel Harsh Banshiwal took our informative session for awaring us on our future for working with Indian army, navy and air force. He made us aware about the ways we can get into Indian armed forces like by

- 1) Writing CDSE exam which is conducted twice in a year
- 2) University entry scheme
- 3) TGS/SSC Tech
- 4) NCC entry for candidates having NCC certificate.

His session was also about the physical fitness one should have to apply for armed forces. He told us about healthy diet we should have to keep our body fit. He motivated us for joining army by sharing his past experiences in army.

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

– Jean Peronnet

ENDEAVORS

SHRUTI BHARGAVA

- Presented Paper entitled, 'Sustainable concrete Review: New trends for application in construction' in Technovation 2019.
- Presented a Review paper on waste material used in concrete in Technovation 2019.

DIVYA VISHNOI

- Attended Faculty Development Program (FDP) on RESEARCH METHODOLOGY AND DATA ANALYSIS from 8 August to 10 August 2019.
- Attended Faculty Development Program (FDP) on E tab software training from 17 Dec to 21 Dec 2019.
- Attended Faculty Development Program (FDP) on Hands on Practice on 3D Printing Technology from 27 August to 31 August 2019.
- Paper Presented entitled, 'Partially replacement of Cement by glass powder by using recycled aggregate as replacement in natural aggregate – A comprehensive review' in Technovation 2019.
- Attended 5 days workshop on Advance dynamics at College of Engineering, Pune.
- Attended FDP on Geotechnical Engineering at RCEW, Jaipur.

BALWAN

- Attended SHORT TERM TRAINING PROGRAMME (STTP) on Faecal Sludge Management from 10 Oct to 22 Nov 2019.
- Attended Faculty Development Programme (FDP) on Research Methodology and Data Analysis from 8 August to 10 August 2019.



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- Attended Faculty Development Programme (FDP) Hands on Practice on 3D Printing Technology from 27 August to 31 August 2019.
- Attended Workshop on Concrete Mix Design Workshop 9 Oct 2019.
- Attended Faculty Development Programme (FDP) on Student Induction from 1 July to 3 July 2019.
- Paper Presented entitled, 'Partially replacement of fine aggregate using sandstone mining waste in concrete – A comprehensive review' in Technovation 2019.
- Paper Presented entitled, 'Study of mechanical properties of concrete with partial replacement of fine aggregate by PET Bottle Waste- A comprehensive review' in Technovation 2019.

SHANKER PRASAD MISHRA

- Paper Presented entitled, 'Design of Wind Energy Structure' in Technovation 2019.
- Attended Faculty Development Programme (FDP) on Research Methodology and Data Analysis from 8 August to 10 August 2019.
- Attended Faculty Development Program (FDP) on Hands on Practice on 3D Printing Technology from 27 August to 31 August 2019.

JITENDRA KUMAR

- Attended SHORT TERM TRAINING PROGRAMME (STTP) on Faecal Sludge Management from 10 Oct to 22 Nov 2019.
- Attended Faculty Development Programme (FDP) on Research Methodology and Data Analysis from 8 August to 10 August 2019.
- Attended Workshop on Concrete Mix Design Workshop on 9 Oct 2019.
- Attended SHORT TERM TRAINING PROGRAMME (STTP) (NPTEL), 8 WEEK COURSE on FLUID MECHANICS from 2 Dec 2019.
- Attended Faculty Development Programme (FDP) on Student Induction from 1 July to 3 July 2019.
- Presented Paper entitled, 'Stabilization of Black Cotton soil by using Fly ash and Calcium Chloride' in Technovation 2019.
- Published Paper entitled, 'A Review study on the Influence of Alccofine 1203 and Foundry Sand on Properties of Concrete Mix' Universal Review, ISSN 2277-2723.
- Successfully completed NPTEL Elite 8 Weeks Course Swayam Course on Fluid Mechanics from Aug to Oct-2019.
- Attended one day workshop on Recent advances in geotechnical earthquake engineering (RAGEE-2019) at Manipal University, Jaipur.
- Attended one day workshop on Technical writing and Personality Development at Poornima University, Jaipur.

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मेंटरशिप समिट में एडवेंचरस एक्टिविटीज का रोमांच



सुरो/नवरोहि, जयपुर

पूणिमा ग्रुप और जेआईटीएच ऑफ इंस्टीट्यूट ऑफ राजस्थान तथा अचरोल स्थित एक रिसोर्ट में आयोजित हुई, इसमें पूणिमा और जेआईटीएच ग्रुप के स्टूडेंट्स के करीब 150 मेंटर्स शामिल हुए। झालाना फॉरेस्ट एरिया में जहां मेंटर्स ने रॉक क्लाइम्बिंग, ट्रैकिंग एवं आर्टिफिशियल रिबर, ब्रॉसिंग जैसी एडवेंचरस एक्टिविटीज में हाथ

आजमाया। वहीं अचरोल में फन और डिप्लेटिव एक्टिविटीज आयोजित की गई। यहां पूणिमा ग्रुप के डायरेक्टर राहुल सिंघी द्वारा टीम बिल्डिंग सेशन लिया गया। इसमें सभी टीमों को एडवेंचराइजिंग डिकचुमेंट्स बनाने की टास्क दी गई। इस अवसर पर पूणिमा ग्रुप के उड़न एयरोमॉडलिंग क्लब की ओर से स्टूडेंट्स के बनाए गए एयरप्लेन और ड्रोन का खूबसूरत एयर शो भी आयोजित किया गया। अंत में सभी मेंटर्स ने डांस के जरिए भरपूर मोजमस्ती की।

ग्रांड म्यूजिकल ईव के साथ एनुअल फेस्ट का समापन



जयपुर। पूणिमा ग्रुप के इंटर कॉलेज एनुअल फेस्ट आरंभण और पूणिमा यूनिवर्सिटी के स्पोर्ट्स फेस्ट लक्ष्य का ग्रांड म्यूजिकल ईव के साथ भव्य समापन हुआ। छीजे ऑडियोवैट की परफॉर्मेंस से कार्यक्रम का शुरुआत हुई। उन्होंने कई मिक्स सांग व इंग्लिश सांग परफॉर्म किए। इसके बाद रेपर किंग रोवको द्वारा रंग प्रस्तुत किए गए, जिन पर स्टूडेंट्स ने जमकर डांस किया। उन्होंने स्टूडेंट्स के बीच जाकर भी परफॉर्मेंस दी। किंग रोवको ने अपने लोकप्रिय सांग माहौल और वे मुमेंट है प्रस्तुत किए तो उन्हें स्टूडेंट्स का भरपूर सहयोग मिला। अंत में छीजे काल्पनिक बेस द्वारा इंग्लिश व यॉलीवुड मिक्स सांग की एक से बढ़कर एक प्रस्तुतियां दी गईं। म्यूजिकल ईव के दौरान पूणिमा एलुमनी एसोसिएशन की एडवाइजर रेणु सिंघी व पूणिमा ग्रुप की स्टूडेंट कार्जिल चेवर द्वारा कलाकारों को मोमेंटो देकर सम्मानित किया गया।

एनुअल फेस्ट की शुरुआत



जयपुर। अनेकता में एकता को साकार करते हुए मंगलवार को पूणिमा ग्रुप के इंटर कॉलेज एनुअल फेस्ट 'आरंभण 20' की शुरुआत हुई। मुख्य अतिथि राजस्थान कबड्डी एसोसिएशन के अध्यक्ष तेजवी गहलोत ने पूणिमा ग्रुप के डायरेक्टर राहुल सिंघी, डायरेक्टर एडमिन एमकेएम शाह के साथ मशाल प्रज्वलित की। इसके साथ ही यूनिवर्सिटी के सातवें एनुअल स्पोर्ट्स फेस्ट लक्ष्य का उद्घाटन नेशनल कबड्डी प्लेयर सचिव तंवर व महेंद्र चौधरी ने किया। इन्डोर व आउटडोर स्पोर्ट्स कॉम्पिटिशन के साथ साथ कई टेक्निकल व क्लब कॉम्पिटिशन

फूड वेस्ट से बनाई जाएगी बायोगैस



जयपुर। फूड वेस्ट से बने बायोगैस का रैफिनेशन के साथ-साथ अन्य कार्यों के लिए भी इस्तेमाल किया जा सकता है और यह प्रक्रिया पूरी तरह से एन्वायरनमेंट फ्रेंडली होती है। यह कहना है एएफआई इंजीनियर्स के एमडी के. वी. सिंह का। पूणिमा कॉलेज ऑफ इंजीनियरिंग में एएफआई इंजीनियर्स और रेवे एन्वायरनमेंटल सोल्यूशंस, वडोरा की ओर से जल्दी ही 'वेस्ट टू एनर्जी' लाईट शुरू किया जाएगा। इस विषय पर टॉक शो का आयोजन किया गया। 'वेस्ट टू एनर्जी' रिंग विथर्स विर ऑर्गेनिक वेस्ट विषय पर आयोजित इस टॉक में अखेर व इतरे सदस्यों के अलावा पूणिमा कॉलेज के फैकल्टी मेम्बर्स भी शामिल हुए। सिंह ने बताया कि इस प्लांट की मदद से कॉलेज में से के फूड वेस्ट से बायोगैस बनाई जाएगी, जिसका कृषि, औद्योगिक इस्तेमाल किया जाएगा। यह प्लांट स्टूडेंट्स के साथ-साथ फैकल्टी मेम्बर्स के लिए रिसर्च में भी सहायक साबित होगा। इस अवसर पर कप्तान कोर्नल एनजी के एमडी रिषभ कप्तान, पूणिमा कॉलेज के डायरेक्टर डॉ. महेश बुंदेले, एएफआईआई वेटर के प्रेसिडेंट आर. एस. सक्सेना भी उपस्थित थे।

पैकेज

कैपस प्लेसमेंट में मल्टीनेशनल कंपनियों ने किए जाँब ऑफर

पूणिमा ग्रुप के स्टूडेंट्स को मिले 12 लाख रुपए तक के पैकेज

जयपुर (का.सं.)। पूणिमा ग्रुप के स्टूडेंट्स को कैपस प्लेसमेंट के जरिए कई प्रतिष्ठित कंपनियों द्वारा जाँब ऑफर किए गए हैं।

स्टूडेंट्स को अभी तक 12 लाख रुपए तक के पैकेज दिए गए हैं। जाँब देने वाली कंपनियों में इन्फोसिस, टीसीएस, कैपजेमिनी, फिनिक्ल, वायक्यूस सहित कई बड़े नाम शामिल हैं। प्लेसमेंट



व ट्रेनिंग डीन दीप्ती लोख ने बताया कि दिग्गज आईटी

एनुअल पैकेज पर सलेक्शन किया है, वहीं क्वालिटी की ओर से 10 लाख रुपए तक का पैकेज दिया गया है। टीसीएस द्वारा 6-7 लाख रुपए के पैकेज पर स्टूडेंट्स का चयन किया गया है। इस तरह के सलेक्शन के लिए कंपनियां अगस्त पर अर्बाईटी व एनआईटी का रुख करती हैं, लेकिन पूणिमा ग्रुप के कॉलेजों के एनबीए

एकेडमिक और बेहतर रैंक रैंकिंग होने से यहां के स्टूडेंट्स को भी बेहतरीन पैकेज दिए जा रहे हैं। अभी तक के सलेक्शन और एवं पैकेज की बात की जाए तो अबतक अंत तक गत वर्ष तुलना में 30 प्रतिशत अधिक प्लेसमेंट हुए हैं और एक्सेल सैलरी पैकेज में भी 30 से 35 प्रतिशत की बढ़ोतरी हुई है।

आधार फेस्ट में स्टूडेंट्स ने दिखाई रोबो रेस व वॉर प्रतिभा



Nav Xpress

पूणिमा कॉलेज ऑफ इंजीनियरिंग में सोमवार को एनुअल टेक फेस्ट 'आधार' आयोजित किया गया। कॉलेज के जकार्न क्लब की ओर से आयोजित इस फेस्ट में फर्स्ट ईयर डिपार्टमेंट के

स्टूडेंट्स के बनाए गए 148 इनोवेटिव प्रोजेक्ट्स 10 श्रेणियों में प्रदर्शित किए गए। सीरी पिलानी के एक्स साइंटिस्ट डॉ. अरुण कुमार शर्मा इसके उद्घाटन समारोह के चीफ गेस्ट थे। फेस्ट के तहत रोबो वॉर, रोबो सॉकर, रोबो रेस, मशीनों में मेनिया, सर्किटरी, कॉस्मो क्लेन्च, सिविल मॉडलिंग व लाइन फॉलोअर जैसे विभिन्न टेक्निकल कॉम्पिटिशन आयोजित किए गए, जिनमें स्टूडेंट्स के तकनीकी ज्ञान की कड़ी परख हुई।



Poornima Group organized its Inter-College Debate Competition 'Manthan 2019', with the topic being 'This house believes that implementation of the new motor vehicle act will inculcate discipline in citizens of India'.

स्टूडेंट्स के बनाए इनोवेटिव प्रोजेक्ट किए गए प्रदर्शित

'टेक्नोकृति 2019' में दिल्ली भविष्य के भारत की झलक



जयपुर। पूणिमा कॉलेज ऑफ इंजीनियरिंग में मंगलवार को इलेक्ट्रॉनिक्स एंड कम्प्यूटेशन तथा इलेक्ट्रिकल इंजीनियरिंग का डिपार्टमेंट डे 'टेक्नोकृति 2019' आयोजित किया गया। इसमें कीपसडिप्ट के प्रिंसिपल डॉ. एस के झाडाडिया चीफ गेस्ट और विप्रो जीई हेल्थकेयर के जीएम हिमांशु वशिष्ठ गेस्ट ऑफ ऑनर थे। इन मेहमानों के साथ कॉलेज के प्रिंसिपल डॉ. महेश बुंदेले और वाइस प्रिंसिपल डॉ. पंकज धमला ने दीप प्रज्ज्वलन कर कार्यक्रम की शुरुआत की। दोनों डिपार्टमेंट के चयनित स्टूडेंट्स को अतिथियों द्वारा बेस्ट स्टूडेंट, बेस्ट फाइनल ईयर प्रोजेक्ट, बेस्ट नॉन स्कोल्स प्रोजेक्ट, बेस्ट सोमवार, बेस्ट आईडीएम, बेस्ट स्पोर्ट्स पर्सन, बेस्ट एंटरप्रेन्योर, एलुमनी आवाइज व टेक्नोइंफेशन क्लब जैसे अवार्ड्स प्रदान कर सम्मानित किया गया। चीफ गेस्ट डॉ. एस के झाडाडिया ने इलेक्ट्रिकल को इंजीनियरिंग की कोर क्रांच बताते हुए इसे रोजगार के अवसरों से भरपूर बताया। उन्होंने कहा कि कड़ी मेहनत से जीवन में कोई भी मुकाम हासिल किया जा सकता है। हिमांशु वशिष्ठ ने हेल्थकेयर क्षेत्र में इंजीनियरिंग का योगदान बताते हुए कहा कि इस क्षेत्र की सभी आधुनिक मशीनें इंजीनियरिंग की ही देन हैं।

सम्मान समारोह का आयोजन हुआ



जयपुर कसर्स। पूणिमा ग्रुप ऑफ कॉलेजों में फैकल्टी व स्टाफ मेम्बर्स ने लिए सम्मान समारोह आयोजित किया गया। इसमें आरटीयू रिजल्ट व टेक्निकल प्रब्लिकेशंस के आधार पर चयनित करीब 150 सदस्यों को 26 लाख रुपए में इंसेंटिव प्रदान किए गए। साथ ही पूणिमा ग्रुप के साथ 15 वर्ष का सफर तय कर वाले छह फैकल्टी व स्टाफ मेम्बर्स को फ्लिपर कॉइन व शॉल ओढ़ाकर सम्मानित किया गया। पूणिमा ग्रुप के डायरेक्टर, एडमिन एंड फाइनेंस एमकेएम शाह कार्यक्रम के चीफ गेस्ट थे। उन्होंने सभी फैकल्टी को रिसर्च व एकेडमिक में अपनी अधिकतम क्षमताओं का उपयोग करने के लिए प्रेरित किया।

ब्लड डोनेशन कैम्प का आयोजन



जयपुर। पूणिमा ग्रुप संस्थान में आयोजित ब्लड डोनेशन कैम्प में जैन सोशल ग्रुप एमरलड जयपुर और से शिविर लगाया गया नि

फेस्ट में दिखे इनोवेटिव प्रोजेक्ट्स



जयपुर। स्टूडेंट्स के तकनीकी ज्ञान की कड़ी परख करने के उद्देश्य से सोमवार को सीतापुर स्थित पूणिमा कॉलेज ऑफ इंजीनियरिंग में एनुअल टेक फेस्ट 'आधार' आयोजित किया गया। कॉलेज के जकार्न क्लब की ओर से आयोजित इस फेस्ट में फर्स्ट ईयर के स्टूडेंट्स की ओर से बनाए गए 148 इनोवेटिव प्रोजेक्ट्स 10 कैटेगरी में प्रदर्शित किए गए। उद्घाटन समारोह के चीफ गेस्ट सीरी पिलानी के एक्स साइंटिस्ट डॉ. अरुण कुमार शर्मा थे। फेस्ट के तहत रोबो वॉर, रोबो सॉकर, कॉस्मो क्लेन्च, सिविल मॉडलिंग व लाइन फॉलोअर जैसे विभिन्न टेक्निकल कॉम्पिटिशन आयोजित किए गए। कॉलेज के जकार्न क्लब की ओर से आयोजित इस फेस्ट में मुख्य आकर्षण था। कार्यक्रम में ग्रुप के डायरेक्टर राहुल सिंघी, डायरेक्टर एडमिन एंड फाइनेंस एमकेएम शाह, कॉलेज के प्रिंसिपल डॉ. महेश बुंदेले के चीफ गेस्ट सीरी पिलानी के एक्स साइंटिस्ट डॉ. अरुण कुमार शर्मा थे।

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Associates

Parents of Aman Mudgal



Mr. Pawan Mudgal and Mrs. Neha Mudgal

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

Aman Mudgal
I Year, EC

Parents of Saket Sharma



Mr. Surendra Sharma and Mrs. Asha Sharma

My son Saket is in his Pre-final year at Poornima College of Engineering. It has been a great experience for him academically and also socially. The competitive environment at Poornima has made my son to come out of his comfort zone and excel in every domain. Even the hostel environment has a feel like home. The supporting, helpful and attentive environment given by the college makes us feel completely relaxed. The faculties impact the knowledge very well and helps student to grow their personality completely. We are proud to be a part of such structure of excellence that has a glorious history and is leading our son for prosperous future. Thank you and best wishes!

Saket Sharma
III Year, CS

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It has been a time span of more than 3 years that our son has been a part of an esteemed & recognized institute of Rajasthan, Poornima College of Engineering, Jaipur. We thank Poornima for his overall development, knowledge and learnings. Poornima gives our son a healthy competitive environment under the guidance of experienced faculties, which makes our son ready to make his own space in the real world. Since his first year the college even hostel environment is very supporting and safe, which makes us relax about his college life. A college is the guide of a student which prepares him for the real world; Poornima do this job very efficiently, not only with their curricular activities but their extra-curricular activities also helped our son in his development. All thanks to sincere and dedicated Faculty Members and of course, college environment and decorum. Best wishes for Poornima foundation and everyone who is the part of its glorious history. Thank you!

Sayyam Tamboli,
IV Year, IT

Parents of Sayyam Tamboli



**Mr. Kamal Kishor Tamboli and
Mrs. Leena Tamboli**

Poornima College of Engineering truly upholds its motto in preparing our children for life and provides a platform for every child. It has provided a multi-dimensional platform to our daughter to experiment as well as get exposure to various thoughts and experiences. Their optimistic behaviour towards any situation they handle is a testimony to the values and skills being imbibed through the teachings, encouragement and emotional support from the faculties and management. We applaud the tremendous effort of this institution that is going to provide future leaders by focusing on identifying and encouraging all round development of children which is refreshingly different. We have realized that this college is best suited to our desires related to teaching facilities, the environment full of knowledge not only technical but of course knowledge required to groom one's personality completely. Best wishes to Poornima foundation and looking forward to seeing more great stars come out of this institute. Thankyou!

Vedika Gupta, III Year, CS

Parents of Vedika Gupta



**Mr. Pravin Gupta and
Mrs. Savita Gupta**

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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'.

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

- 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 hostels)
- Variety of items available at subsidized rates @ canteen and provision store
- 100% Secured campus
- 24x7 electricity backup
- 24x7 Medical facilities and Ambulance
- 24x7 Wi-Fi facilities (for all Wi-Fi enabled gadgets)
- Complete Gymnasium with ultramodern equipment
- Laundry Facilities
- Guest house facility for parents
- TV room, Seminar Halls & Arbuda Convention Centre for watching movies and cricket matches.



In the past eighteenth years PCE hostels has shown a tremendous growth rate in every aspect and has produced a successful team of techno-gurus. PCE hostels has not only focused on academics but also on the overall personality growth of every student residing in hostels. PCE 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 PCE hostels closer to its aim.

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HOSTELS @POORNIMA COLLEGE OF ENGINEERING

Message

Gayatri Girls Hostel: 'A room for all - A home for all'.



Our Gayatri Girls hostel is standing on the foundation of 3D's- Dedication, Determination and Discipline. Here we try to provide a conducive environment to study, to focus and to learn something new regularly. Our hostel provides girls a great platform to grow, enhance and to express themselves through various mediums like- Tatva (Hostel fest), Mentorship and many more. Here we are concern about student's all round development. I believe hostel life is one of the integral part of a student's life, as here they adhere into new routines, they learn to become independent of their own decisions, students become more responsible of their things and most importantly the evolve helpful and cooperative nature in hostel by helping their, This what happens in the Poornima hostels. Here at Gayatri girls' hostel we are also very much concern about each and every student's health and security. Homesickness has never been a concern for the students residing in our hostel. We believe in concept of "Home away from home".

Mrs. Sudha Jain
Chief Warden, Gayatri Hostel



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MENTORSHIP PROGRAM:

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

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

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

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

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

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

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





COVID-19 CRISIS

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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.

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Student Council



CHAIR



SAYYAM TAMBOLI
Students' Council

CO CHAIR



VEDIKA GUPTA
Students' Council

CO CHAIR



SAKET SHARMA
Students' Council

STUDENTS' COUNCIL

- Holistic development of its students – A democratic student body in the form of a Students' Council.
- The council – A team of self-governing office bearers guided by a faculty advisor.
- The canvas – Shall include various technical and non-technical societies and clubs of the college.
- The activities and events- Technical and Non-Technical knowledge and skill enhancement
- Shall ensure overall personality development and enhance his technical, managerial and entrepreneur skills.
- Composition - Chair and Co-Chair and Captain and Vice-Captain (Clubs/Societies)
- Selection of the Chair and Co-Chair - Committee comprising of the Director/Principal, Vice Principal, Chief Proctor and Faculty Advisor.



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Objectives of Students' Council

- To encourage the student in discovering his 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



Fresher's Party (Aagman)

“Fresher's Party” in any college is an event which every student eagerly awaits from their time of admission. The 21st of September 2019 was a memorable day in the life of every fresher of B.Tech batch 2019-20 at Poornima College of Engineering. The fresher's day was filled with excitement, joy, music, enthusiasm, laughter and happiness. The dress code for the welcome party was “Halloween”. The entire event was covered by the Students' Council photography team with their excellent photography skills. At the end, everyone enjoyed the celebrations and danced on DJ. All thanked the HOD, faculties and Students' Council for hosting such a nice program that they could cherish lifelong.





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WOMEN EMPOWERMENT IN INDIA

Swami Vivekananda, one of the greatest sons of India, quoted that, “There is no chance for the welfare of the world unless the condition of women is improved, it is not possible for a bird to fly on only one wing.” Therefore, the inclusion of “Women Empowerment” as one of the prime goals in the eight Millennium Development Goals underscores the relevance of this fact. Thus, in order to achieve the status of a developed country, India needs to transform its colossal women force into an effective human resource and this is possible only through the empowerment of women.

Empowering women to participate fully in economic life across all sectors is essential to building stronger economies, achieve internationally agreed goals for development and sustainability, and improve the quality of life for women, men, families, and communities.

What is women empowerment?

Women empowerment means emancipation of women from the vicious grips of social, economical, political, caste and gender-based discrimination. It means granting women the freedom to make life choices. Women empowerment does not mean ‘deifying women’ rather it means replacing patriarchy with parity. In this regard, there are various facets of women empowerment, such as given hereunder:—

Human Rights or Individual Rights: A woman is a being with senses, imagination and thoughts; she should be able to express them freely. Individual empowerment means to have the self-confidence to articulate and assert the power to negotiate and decide.

Social Women Empowerment: A critical aspect of social empowerment of women is the promotion of gender equality. Gender equality implies a society in which women and men enjoy the same opportunities, outcomes, rights and obligations in all spheres of life.

Educational Women Empowerment: It means empowering women with the knowledge, skills, and self-confidence necessary to participate fully in the development process. It means making women aware of their rights and developing a confidence to claim them.

Economic and occupational empowerment: It implies a better quality of material life through sustainable livelihoods owned and managed by women. It means reducing their financial dependence on their male counterparts by making them a significant part of the human resource.

Legal Women Empowerment: It suggests the provision of an effective legal structure which is supportive of women empowerment. It means addressing the gaps between what the law prescribes and what actually occurs.

Political Women Empowerment: It means the existence of a political system favouring the participation in and control by the women of the political decision-making process and in governance.

The position of Women in India: The position enjoyed by women in the Rig- Vedic period deteriorated in the later Vedic civilization. Women were denied the right to education and widow remarriage. They were denied the right to inheritance and ownership of property. Many social evils like child marriage and dowry system surfaced and started to engulf women. During Gupta period, the status of women immensely deteriorated. Dowry became an institution and Sati Pratha became prominent. During the British Raj, many social reformers such as Raja Rammohun Roy, Ishwar Chandra Vidyasagar, and Jyotirao Phule started agitations for the empowerment of women. Their efforts led to the abolition of Sati and formulation of the Widow Remarriage Act. Later, stalwarts like Mahatma Gandhi and Pt. Nehru advocated women rights. As a result of their concentrated efforts, the status of women in social, economic and political life began to elevate in the Indian society.



Asha Kumawat
Asst. Professor
ME, PCE

मां



मां से हरा-भरा था वो आंगन,
मां से ही खिला-खिला था ये मन,
ये गलियां और ये आंगन, सब में थी उनकी धड़कन!

मेरी हर एक आह पर वो तड़प उठती थी,
फिर चुपके से वो मेरा हाल पूछ पड़ती थी,
मेरी गलती पर मुझको समझाती,
मेरी गलती उसको कभी ना भाती।

लगता था उसको मुझमें अपना दर्पण,
कर देती थी मुझको अपना हर गुण अर्पण,
वो त्याग, तपस्या की थी पूरत,
मुझमें है उसकी ही सीरत।

यूं अकेला छोड़ मुझे मझधार में,
कहां चली गई वो इस संसार से,
अब सब कुछ सूना सूना लगता है।
हर जगह एक खालीपन सा अखरता है।

नहीं ले सकती मां की जगह जिंदगी में कोई,
माफ करना मुझे गलती जो भी हुई।
मां का वो स्पर्श, ये मन ना भूल पाता है,
ये जीवन भी कैसा आना-जाना है।

Dr. Payal Bansal
Associate Professor
EC, PCE

मेरा गाँव

साहब, मेरे गाँव की मिट्टी की ताकत तो देखो,
तेरा शहर छोड़ पैदल ही निकल पड़ा हूं।

इस शहर की हवा गौर से देखो, जब-जब पलटी है
मेरे गाँव की खुशबू संग महकी है।

खो गया था मैं, इस शहर के रंग बिरंगी दिशाओं में,
आई जब मुसीबत, आये गाँव के आंगन के छाव में।।

साहब, मेरे गाँव की मिट्टी की.....

दूर रह कर बहुत कुछ खोया था मैंने,
कितने जख्म मुझे, पड़े थे चुपचाप सहने।

पर जब मैं घर वापस लौटा,
तो मेरा खिलखिलाता हुआ बचपन सावन के
महीनों की तरह दोड़ पड़ा मुझे भिगोने।।

साहब, मेरे गाँव की मिट्टी की.....

जब आई हो खुशबू, अपने गाँव की मिट्टी की,
जब आई हो खुशबू, अपने गाँव की, गोरस की।
भला कौन याद रखे तेरे, शहर की जहरीली हवा को
भला को याद रखे, तेरे इस बेजान से शहर को।।

Gopal Krishna
Technical Officer
I Year, CS, PCE

मुझे खुदसे जी लेने दे

जिंदगी मिली है बस एक बार,
मुझे जी लेने दे....

होंसले मिले हैं बस एक बार,

मुझे उड़ लेने दे....

खाब जो देखें आँखों ने,

उसे सजा लेने दें....

ये मेरी जिंदगी है....

मुझे उस पे हक जमा लेने दें,

खुली हवा में आजादी से, मैं उड़ना चाहती हूँ।

अपने नसीब को अब, मैं चमकना चाहती हूँ,
अब खुद के लिए भी, मैं कुछ करना चाहती हूँ,
मेरी तमन्नाओं को, मुझे पूरा कर लेने दें।

ये मेरी जिंदगी है....

मुझे खुद से जी लेने दें

Asha Kumawat
Asst. Professor
ME, PCE

COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

VALUES

People's value system comprises both sets of values—terminal and instrumental—which are developed and reinforced through the culture in which they grow on one side and the environment on the other. Socialization from parents, religious institutions, friends, personal experiences, and society contribute to the formation of values in individuals. The individual values are affected by our belief system, prevailing social systems, and to some extent socio-economic conditions. The terminal values are formed over the years, whereas the instrumental values are determined by situations. Knowing our values helps us achieve clarity regarding why we do what we do, and accordingly stay on track and live a consistent life. All our actions and decisions are affected by our values. Anthony Robins, in his book titled *Awaken the Giant Within* states that values guide our decision and, therefore, our destiny. Those who know their values and live by them become the leaders of our society. Knowing our values helps us design our life goals since we know what is most important for us today and on an ongoing basis. Values are as important as competencies to achieve our goals. Knowing others' values is equally important to understand their behavior and the causes behind it. We can also understand their decision making by understanding their values. While terminal values provide us a sense of fulfillment, richness, and reward, the instrumental or temporary values provide us a direction to achieve our life goals sticking to the terminal values. The simplest method to identify our values and that of others is to prepare a list of what is most important to us, both personally and professionally. Then, these can be segregated into terminal values and instrumental values. It is worth periodically repeating this exercise since Yes, it is possible to decide a set of values, especially terminal values and live with them. The only thing it needs is a strong commitment to our goals and the actions involved to achieve these goals. If speaking the truth is our value and by speaking the truth if we invite some trouble, so be it. The process of adopting values involves moving towards those values. Similarly, it is also important to identify the values that guide us in moving away from the experiences that we want to avoid. This process is basically moving away from undesirable values or changing the undesirable values.

Amber Batwara and Parul Khandelwal
Assistant Professors, Department of I year





COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

Radio to Facebook & Public

"In electronic media user is content"

----McLuhan----

"Public should be respected"

----Benjamin----

The relation between radio and its public has always been based on a mutual act of faith: radio does not know its listeners, it never saw them and, for a long time, it never heard from them. Radio and its listeners have always been strangers to each other. Listeners never knew who the voices on the radio belonged to. The radio and its audience believe in each other without knowing each other. For a long time, until phone calls from listeners were introduced (in Italy this happened in 1969) From its invention, until the introduction of live telephone calls, radio has always been a top-down, push medium, from the centre to the periphery, with no space for feedback. The telephone, and subsequently mobile phones, e-mail, Internet streaming, blogs and social media progressively reversed the communication flow, re-establishing a balance in favour of the public. Finally, contemporary radio has become a potentially participative tool. With SNS (social networking sites) we are facing a paradigmatic change in the relation between radio and its audience: listeners are becoming the real content of radio. McLuhan already understood this when he claimed that "in electronic media user is content". This has never been more true than today.

Social networking sites (SNS), such as Facebook, allow individuals to present themselves, manage their social networks and establish or maintain connections with others. Facebook provides a stage for people to present themselves, to show off and to indulge in "self-branding", constructing and showing an image of themselves that they want to project, engaging in what calls "impression management" and "identity management". In our view, to better understand SNS we should look at SNS users as performers and attempt to analyze SNS under a dramaturgical approach. Let's compare people's everyday self-presentation to stage acting, where the performer plays a role for an audience in a front stage area and then retreats to a backstage where he will change back to a non-performer role. One of the reason why self-presentation on SNS may be different from face-to-face is that online one may 'inspect, edit and revise' one's self-presentation before it is made available to others; in a word, SNS users can refine and fine-tune their online image as many times as they want before acting in public. SNS provide users/performers with a redefined set of strategies to control their own stage.

A focus on the public's feedback can also be found in an essay "Two Types of Popularity" in which the author assesses the role of radio as a pedagogical tool. Benjamin is convinced that the public should be respected, rather than being given content in a top-down fashion; it should also perceive that its interests are real and are being taken into account by the speaker. Internet and social network sites in particular, have finally provided the technological platform for a yet to be realised theoretical intuition. Our frame of mind should be reassessed to thoroughly understand how the internet is changing the relation between radio and its public. For the first time in the history of radio, its audience—once invisible, private, and passive—is being deeply transformed into public actors, visible, networked and audible, thanks to the stage offered to them by social networking sites, which we will now try to better understand using a dramaturgical approach.

Kuldip Sharma

Resource Person: AICTE-UHV

Assistant Professor

Department of English

मैं मेरा सच्चा साथी

डर क्या है क्यों है?
मन मेरा यही सवाल पूछ रहा है,
इसका तोड़ मन मेरा खोज रहा है,

नकारात्मकता की डोर
खींचे मुझे अपनी ओर
तड़प और घाव खुले दिखें चारों ओर,

सबसे पूछ-पूछ कर
घाव अपने कुरेद कर
नुमाइश कर अपनी लाचारी की
यारों की कथा सुनाई अपनी बेचारी की,

सिमट कर डर में मैं फिर भी रह गयी
उम्मीद बांधे कि कोई और मेरे दर्द को मिटाएगा
यही भूल मैं कर गयी,

और मैं कमजोरी गुमनामी में खो गयी,

साया मेरा कहता रहा मुझसे
मैं हूँ तेरा सच्चा साथी
बढ़ा ज़रा अपनी इच्छा शक्ति
बना मन को अपना जीवन साथी।

जो मेरे साथ पास था
कद्र उसकी मुझे न थी
दूसरों से की उम्मीद इतनी कि
खुदको मैं भूल गयी,

जब किया खुदसे वादा
प्यार करुंगी खुद को सदा
झूम उठा मेरा साया

जैसे सूजर से तपते हुए तन को
मिली हो तरुवर की छाया।

Kalpana Sharma
Assistant Professor
Department of Humanities



Girls are the main in the society. All girls have the right to educate. We have to save girl children. We should not kill them. Girls are the future. And we should not kill the girl child. Don't kill them and don't kill their beautiful life. So treat every girl as your mother and sister. In this world nothing is greater than girl's. That's why God compared a girl's beauty with nature. The full form of girl is "goddess in our real life". Without girl life cannot go on. But now-a-days the girls are equal to the boys. We cannot think of a world without girl children so we have to protect them and we should save the world. "Save a girl child and save yourself."

- "A daughter is one of the most beautiful gifts this world has to give"
- "Educate women, Educate society."
- "Teach a girl, teach a mother."
- "Your future will be bright if you study day and night".
- "Save girl, save society."
- "Girl child is the nation's pride".
- "BETI BACHAO - BETI PADHAO"
- "Respect girls, love them, care for them, and treat them as mother". Because, of a girl now

Samyak Jain
III Year

बेटी बचाओ बेटी पढ़ाओ



COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

"Covid -19 crisis, reinventing digital transformation"

Covid-19, a pandemic that has truly transformed the way in which the world works, we can call it the new Normal,

Stephen Hawking said that he feared not atomic wars will kill humanity but a threat like the pandemic, controversies state that it was a virus created in lab, also upon reading a little bit about this on internet I found out that many countries have their own biological weapon and Covid-19 can actually be one, not drifting away from the topic I want to state that personal hygiene and sales of pharmaceuticals have increased tremendously at the same time its effect on travel tourism and hotel chains have been a worst hit.

Lowering the GDP of superpower like America, UK, Germany, Japan, France, and our own motherland India this crisis has created such a situation that burial space for dead bodies is almost finished, near and dear ones of those who were dead are not taking the dead bodies of their loved ones to cremate or for their funerals, the worst hit in India can be seen on daily wages workers and small vendors, i.e. people who earned their daily money, small shopkeepers, small road side stalls and mini restaurants not only this it had a hard hit on the global economy, taking a very common example like gold's, Gym and Exide batteries filed for bankruptcy this year, companies which were fast enough to respond to changes like work from home, maintained their position in the market and are still contributing in the economy many tech giants like IBM and many more faced problems for quite a while as the IBM CEO stepped down from her position, irrespective of pandemic the world has adopted the new Normal shops and business have now started earning revenues, online sales has started and a situation like this has taught us that what's the need of taking our business online, and how important is it.

A very famous quote by Jack Welch he said that if the rate of change of outside the organisation exceeds the rate of change inside, the end is in sight.

Also never let a good crisis go to waste, a good crisis is the best time to learn a new hobby, do things that you always wanted to do and to finally give time to yourself.

Many people including me have learned a lot in this scenario I did a digital marketing course from Google with my brother and it helped me to know what the benefits of going online are.

In the end I would just sum up by saying a fantastic quote by Charles Darwin

that, "it is not the strongest of the species that survive nor the most intelligent but the one most responsive to crisis."

 <p>Vulnerable Populations</p> <p>Individuals who meet the following criteria are considered vulnerable populations for contracting COVID-19. These individuals should avoid large crowds and practice strict social distancing:</p> <ul style="list-style-type: none"> • Age 60 and older • People who have serious chronic medical conditions like heart disease, diabetes or lung disease <p>EVERYONE SHOULD TAKE STEPS TO PROTECT VULNERABLE POPULATIONS from COVID-19 and other illnesses by understanding the risks and practicing good hygiene and hand washing habits, staying home when sick, and disinfecting surfaces regularly.</p>	 <p>Low Risk Self-Monitor</p> <p>Those in the Low Risk category are free to move about the community but should self-monitor, avoid large crowds, practice social distancing, avoid vulnerable populations, and avoid public transportation if they meet the following criteria but have no COVID-19 symptoms:</p> <ul style="list-style-type: none"> • Traveled from any other area in the United States or internationally where the extent of COVID-19 spread is unknown • Been in the same indoor environment (e.g., classroom, hospital waiting room) as a person with COVID-19 for a limited amount of time and without close contact 	 <p>Medium Risk Advised Voluntary Quarantine</p> <p>The Department of Public Health advises a Voluntary Quarantine to individuals and ask them to self-monitor if they meet one or more of the following criteria:</p> <ul style="list-style-type: none"> • Traveled from areas with sustained community transmission and have no symptoms • Have symptoms of COVID-19 but have not traveled to areas with sustained community transmission • Have a COVID-19 test pending or live with a person who has a COVID-19 test pending 	 <p>High Risk Quarantine Order</p> <p>The Department of Public Health will issue a Quarantine Order to individuals if they meet one or more of the following criteria:</p> <ul style="list-style-type: none"> • Have a positive COVID-19 test • Have a known close contact to someone with a positive COVID-19 test • Those under an Advised Voluntary Quarantine with further evidence of infection
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Ruby Sharma
IV Year, IT, PCE

Heal the Mother Earth



The circumstances are tough
Because the nature tolerated enough
We fellows destroyed the environment
Without it's consent

The Almighty has put us into this pandemic
And made the humans sick
So that we realise
The importance of Mother Earth who gave us life

To revamp the habitat of fauna
An epidemic came named corona
The enthralling flora
Found it's way to the life of their quora

Millions of people passed away
Leaving their dearest one's cry
Everyday witness an increase death rate
My God when this will get eliminate

A big salute to the doctors
To the brave police officers
To the hard working cleaners
And the efforts of all the corona warriors

But United we stand
Then this phase will end
To make the world a better place
So stay home, stay safe

Niharika Paliwal
I Year, CS, PCE



बड़े ही जतन से पाला है माँ ने,
हर एक मुश्किल को टाला है माँ ने।

उंगली पकड़कर चलना सिखाया,
जब भी गिरे तो संभाला है माँ ने।

चारों तरफ से हमको थे घेरे,
जालिम बड़े थे मन के अंधेरे।

बैठे हुए थे सब मुंह फेरे,
एक माँ ही थी दीपक मेरे जीवन में।

अंधकार में डूबे हुए थे हम,
किया ऐसे में उजाला है माँ ने।

मिलेगा ना दुनियां में माँ सा कोई,
मेरे आंखें भरी तो वो साथ रोई।

बिना उसकी लोरी के न आती थी निंदिया,
जादू सा कर डाला है माँ ने।

बड़े ही जतन से पाला है माँ ने,
हर एक मुश्किल को टाला है माँ ने।

Aman Mudgal
I Year, ECE, PCE



COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

Reinventing Digital Transformation in the Era of Covid-19

Digital Transformation (DT or DX[1]) is the use of new, fast and frequently changing digital technology to solve problems. It is about transforming processes that were non-digital or manual to digital processes.

The Covid-19 crisis has highlighted many troubling issues to which businesses had become immured. Retail and restaurant chains that had managed to eke out an economic life, despite their lack of differentiation, have gone under. More positively, we've seen changes for the better happening with unprecedented speed. Business leaders will be seeing tangible transformation taking place around them - with technology at its heart.

In the first few weeks of the UK's lockdown, much discretionary technology consulting was put on hold - and continues to be. But the very rapid shift many organisations had to make to support remote working has partly offset this. More recently, workforce planning - helping organisations use people, processes and technology in a more agile way, better suited to a prolonged period of uncertainty - is booming.

If we look at economies that are ahead of the UK in terms of reducing lockdown restrictions, such as Australia, demand for consulting work around cost-cutting and supply chain management is strong. More significantly, digital transformation projects, paused in the early days of the crisis, are returning as organisations realise that the improvements in productivity and customer engagement they were seeking before the crisis are now even more important. Providing that the work can be done remotely and there's still cash to pay for it, these projects are starting to resume.

As a result, technology looks set to perform considerably better than any other consulting service. We predict that the market for technology consulting (excluding systems development and integration) will contract by around 8% in the UK over the course of 2020.

Large consulting firms will fare best because they cover a broad range of sectors and will therefore be able to concentrate their resources on the sectors least impacted. The technology market in the UK financial services sector is expected to shrink by just 2%, and in the pharma, public, high-tech and telecoms sectors it's expected to grow. All of this is taking place against an overall consulting market that may decline by as much as a fifth. Large firms also benefit from having big brands - past crises have shown that clients shift to buying more from firms they know.

However, this situation is creating as many challenges as it is opportunities for the UK's consulting industry. Firms that are perceived to lack a clear proposition and track record in digital transformation will find it hard to win new clients. Activity levels may be high in the public and healthcare sectors, but fee rates are low, which is going to chip away at firms' profitability.

To be successful, consulting firms will also need to learn the lesson of the past two years - that transformation needs to produce concrete improvements. The only thing that's changed in the crisis is that it has had to do that faster than anyone could have imagined six months ago.

Activity around digital transformation - the engine of growth in technology services over the past five years - had peaked. But the Covid-19 coronavirus crisis has pressed the reset button, with significant implications for the global consulting industry.

The number of organisations attempting to transform themselves through the adoption of new digital technologies has grown rapidly over the past five years. In 2017-2018, global demand for consulting support in this area increased by almost 40%, with growth of 7% across the UK consulting market. But this growth has come at some cost.

Client organisations have been frustrated by what, in their eyes, has been an over-reliance by suppliers on process and technology change. Not enough thought has been given to how people work and behavioural change. Moreover, evidence of tangible results has been thin on the ground, making clients increasingly doubtful of suppliers' promises. At best, this would have resulted in a slow but inexorable decline in the rate of growth; at worst, it would have been yet another IT bubble that popped.

Chirag Gupta
I Year, IT, PCE

COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

Covid-19 crisis, Reinventing Digital Transformation

In just a few months, COVID-19 has achieved something that top business leaders have struggled with for decades: The virus has served as an unexpected catalyst for the digital transformation of organizations. With physical contact between people limited at best, the world is quickly embracing a digital lifestyle in every sense of the word.

However, the social shutdown has also precipitated a global recession. Unlike earlier recessions, this one has dealt a double whammy to organizations. At one end, markets have turned fragile and customers are disappearing. At the other end, there are internal challenges with disrupted supply chains and a displaced workforce.

Earlier this year, A panel was moderated discussion of Chief Data and Analytics Officers (CDAO) from diverse industries. The top concern in January 2020 was that many organizations did not feel the need for a data-focused role on their leadership team. Organizations that did staff for this role did not seem to agree on the job responsibilities.

Amidst all this confusion, data leaders were quietly playing a supporting role behind the scenes.

Popular opinion was split between two areas of responsibilities, popularly referred to as “defensive” and “offensive” activities. On the defensive side (arguably the more widely held viewpoint), CDAOs were expected to own the collection, curation, and storage of data. They were tasked with data governance and enablement of easy access to information. They safeguarded information assets through data security and regulatory compliance initiatives.

On the other side, a few organizations looked to the CDAOs to play an offensive role – by enabling revenue-generating activities. In these organizations, they were expected to help with product improvement, customer engagement, and business innovation.

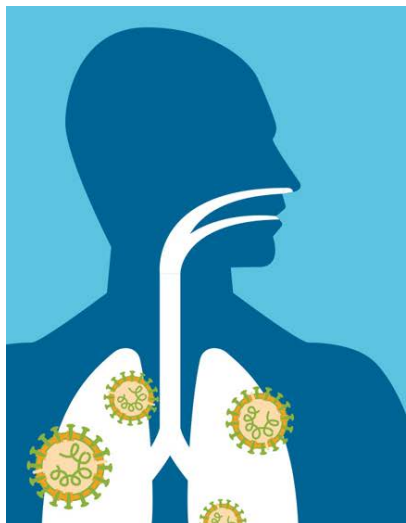
With the pandemic forcing digital transformation, the tables turned in just a few weeks. Suddenly, there is newfound importance for data in organizations and an immediate spotlight on the role of CDAOs.

In the current global lockdown, data can uncover bottlenecks in the business and help leaders quickly focus on the immediate priorities. Data can provide better visibility in today’s uncertain economy by revealing shifts in customer behavior and marketplace changes.

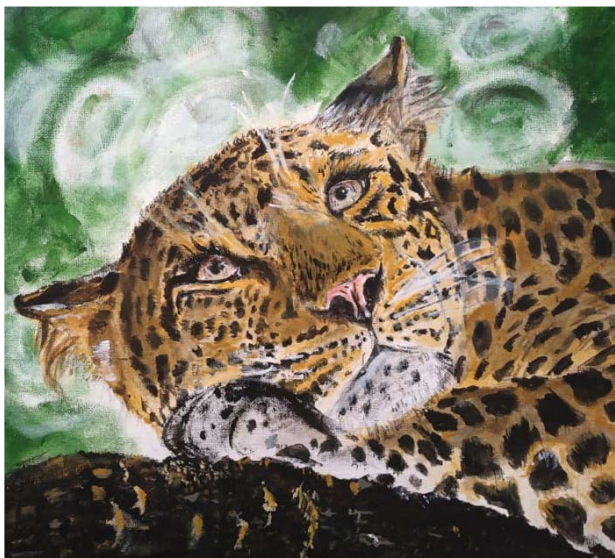
Today’s data leaders are leading organizational initiatives by tapping into internal and external data and facilitating the consumption of insights from these assets.

Despite all the negative impacts, the COVID-19 crisis has provided a golden opportunity for leaders to demonstrate the true value of data. Now is the time for technology and data leaders to play offensive and use the momentum to set their organizations firmly on a data-driven path – now and into the future.

Priyanshi Jain
II Year, IT, PCE



Art Cradle



Nikhil Sharma
I Year, CS, PCE

COVID-19 CRISIS REINVENTING DIGITAL TRANSFORMATION

The editorial board is Glad to release the current issue of the Annual magazine, "Poornima Winners" August 2020. The contribution and dedication of faculty members, students, and non-teaching staff of PCE has been continuously helping the magazine in a stepwise manner for achieving a new milestone. The magazine provides a perfect platform to highlight the literary and artistic segments of the PCE family. The purpose of this college magazine is to unlock the hidden potential within the students and help the students for self-motivation.

We want to extend our sincere thanks to the whole POORNIMA FAMILY for making this magazine stand out. We are pleased to apprise that the management & staff is excellent & do not hesitate to put in their best in all college activities & up-gradation.

We would like to thank students, teaching as well as non-teaching staff for their kind & continuous support in the progress of this Institution. May Almighty God shower his choicest blessings upon all.

"Be true to yourself, help others, and make each day your masterpiece."

Editorial Board





॥ कॉलेज गान ॥

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

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COLLEGE OF ENGINEERING

Affiliated to Rajasthan Technical University, Kota & Approved by AICTE, New Delhi

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302 022 (Rajasthan)

Telefax : +91-141-2770790, 91, 92 • E-mail : info@poornima.org • Website : www.pce.poornima.org