

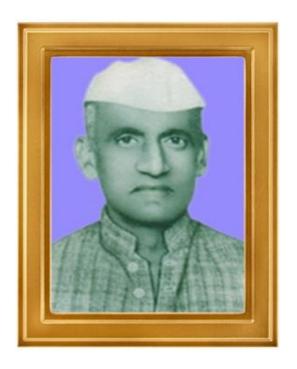


Second Shift Polytechnic



Institute Magazine 2018-19

Reflection 2018-19



OUR INSPIRATION

Education is a tool to make life worthwhile, not just a means to earn a livelihood. We have always believed that the true role of education is to turn out good and competent human beings with a healthy respect for respect for personal, professional and social ethics.

VISION

To make exemplary contribution to the progress and future of our country by enhancing the capabilities of our youth, by imparting world class education and training in science, technology and management; empowering then to seek and offer solutions to challenges faced by their brethren locally as well as globally.

MISSION

- To impart world class education and training to our students by offering state-of-art to undergraduate, postgraduate and doctoral programs
- To develop dynamic engineers and managers comparable to the best in the world and capable of taking leadership role in future
- To generate new knowledge by developing cutting-edge research and world class scholarship, to effectively contribute to the future of country and global community.
- To establish and nurture long term symbiotic relationship with industry and institutions of higher learning within and outside our country in generating solutions for current and future issues of concerns
- To develop potential of all our stakeholders to its fullest extent and empower them to actualize it.

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ABHA GAIKWAD -PATIL COLLEGE OF ENGINEERING, MOHGAON, NAGPUR.

Electrical Engineering Department

VISION

"Our vision is to strive for global standards and to make our students technologically superior and ethically strong. To be a centre of excellence in technical higher education, research and support services, capable of making significant contribution to individual and societal empowerment.".

MISSION

"To provide students with the fundamental knowledge, interdisciplinary problem solving skills, social awareness and confidence required to excel in their chosen professions."

PROGRAM OUTCOMES (PO)

- Basic knowledge: Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Electrical engineering problems
- Discipline knowledge: Apply Electrical engineering knowledge to solve broad-based
- Experiments and practice: Plan to perform experiments and practices to use the results
- Engineering tools: Apply relevant Electrical technologies and tools with an
- The engineer and society: Assess societal, health, safety, legal and cultural issues and
- Environment and sustainability: Apply Electrical engineering solutions also for
- Ethics: Apply ethical principles for commitment to professional ethics, responsibilities
- Communication: Communicate effectively in oral and written form.Communicate effectively in oral and written form.

PROGRAM SPECIFIC OUTCOMES(PSO)

- **Electrical Equipment:** Maintain various types of rotating and static electrical
- **Electric Power Systems:** Maintain different types of electrical power systems.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- ❖ PEO1: Provide socially responsible, environment friendly solutions to Electrical engineering
- ❖ PEO2: Adapt state-of-the-art Electrical engineering broad-based technologies to work in
 - ❖ PEO 3. Solve broad-based problems individually and as a team Member communicating effectively in the world of

work.

ABHA GAIKWAD -PATIL COLLEGE OF ENGINEERING, MOHGAON, NAGPUR.

Mechanical Engineering Department

PROGRAM OUTCOMES (PO)

 Apply knowledge of basic mathematics, sciences and basic engineering to solve the broadbased Computer engineering problem.

VISION

"To Achieve excellent standards of quality-education by keeping pace with rapidly changing technologies and to create technical manpower of global standards with capabilities of accepting new challenges.."

MISSION

To educate the students by providing them flexible learning platforms and achieve excellence in their career, to transfom individuals into outstanding educators and leaders of the society". chosen professions.".

- Apply Computer engineering discipline specific knowledge to solve core computer engineering related problems.
- Plan to perform experiments and practices to use the results to solve broad-based Computer engineering problems
- Apply relevant Computer technologies and tools with an understanding of the limitations.
- Assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in field of Computer engineering.
- Apply Computer engineering solutions also for sustainable development practices in societal and environmental contexts and demonstrate the knowledge and need for sustainable development.
- Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in the field.

PROGRAM SPECIFIC OUTCOMES(PSO)

- Maintain various types of rotating and static electrical
- Maintain different types of electrical power systems.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- ❖ PEO1: Provide socially responsible, environment friendly solutions to Electrical engineering
- ❖ PEO2: Adapt state-of-the-art Electrical engineering broad-based technologies to work in
 - ❖ PEO 3. Solve broad-based problems individually and as a team Member communicating effectively in the world of work.

ABHA GAIKWAD -PATIL COLLEGE OF ENGINEERING, MOHGAON, NAGPUR.

Computer Science and Engineering Department

VISION

"Our vision is to bring out students into 21st century through innovation & modern technology. We intend to provide our students with best knowledge experience from beginning to end with smart and good quality methods".

MISSION

"To educate the students by providing them flexible learning platforms and achieve excellence in their career, to transform individuals into outstanding educators and leaders of the society".

PROGRAM OUTCOMES (PO)

- 1 Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Computer engineering problem.
- Apply Computer engineering discipline specific knowledge to solve core computer engineering related problems.
- Plan to perform experiments and practices to use the results to solve broad-based Computer engineering problems
- Apply relevant Computer technologies and tools with an understanding of the limitations.
- Assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in field of Computer engineering.
- Apply Computer engineering solutions also for sustainable development practices in societal and environmental contexts and demonstrate the knowledge and need for sustainable development.
- Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in the field of Computer engineering.
- Function effectively as a leader and team member in diverse/multidisciplinary teams.
 - Communicate effectively in oral and written form.

PROGRAM SPECIFIC OUTCOMES(PSO)

- The Computer Engineer will able to provide specific solution to problems in software domain with use engineering tools and technology.
- The Computer Engineer will apply knowledge, technique and professional skill for real time operation and maintenance of computer hardware & networking.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- ❖ PEO1: To demonstrate problem solving skills that enables them to successful professional.
- ❖ PEO2: Able to analyze, formulate and solve real life problems and functions in a professional environment.

Editorial Board



Co-Ordinator Ms.Ruchi Sakhare



President Mr. Tejas Wanjhare



Vice-President Mr. Mukesh Guarkar



Secretary Ms.Pallavi Singh



Treasurer Mr. Mukesh Guarkar



Sports Head Mr.Sarthak Amade



Cultural Head Ms.Rashmi Kumari

Department of Electrical Engineering

1st year Topper

2ND year Topper

3rd year Topper



TEMBHARE ASHWINKUMAR



GAKRE UMESH



BHANDARE NIKHIL

Department of Computer Science & Engineering

1st year Topper



RASHAMI KUMARI

2ND year Topper



PALLAVI SINGH

3rd year Topper



SHIVANI PARTETI

Department of Mechanical Engineering

1st year Topper

2nd year Topper

3rd year Topper



MUKESH GAURKAR



SARTHAKK AMDE



TEJAS WANDHARE

Events & Activities

Guest Lectures



"Higher Studies" By Mr.Swarup Grandewar



"Website Development" by Mr. Santosh Selorkar



"Student Development Program "By Mr. Hitesh Diwani



"Web Designing" By Ms. Pranjali Uthane



" Thermal power plant"By Vishal Mate



"Energy Conservation and audit" By Swapnil Thanekar

Industrial Visits



"Water upply and sanitation department"



"Visit at RAMA DAM"



"ADCC Pvt. Ltd."



"VARUNA iNDUSTRY, Nagpur"



"IT NetworkZ, Nagpur"



"Basic Training Centre Ajni Loco-

lokmat Times

TGPCET organises skill enhancement programme

LOKMAT NEWS NETWOR

Civil engineering department of Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET), Second Shift Polytechnic organised a guest lecture on 'Skill Enhancement Programme for the students of Diploma in Civil dents of Diploma in Civil

and third year recently.
The guest speaker
Shrikant Dongare, Mayu
Chaudhari and Pravin
guided the students on var
ious opportunities avail
able after completing diple
ma in civil engineering diple
with a vision, boosting the
confidence of student to
face different challenges.

Patil Group, prof. Sandeep Gaikwad treasurer Gaikwad-Patil Group con gratulated the departmen for successfully organising the event.

Dr GK Awari, principal, TGPCET, Prof. Niteen Kakde, dean, Second Shift Polytechnic. Natish Sayyed, HoD, Mohini Bhagat and Priyanka Chandanshive were pres-



ents during the guest lecture skill enhancement organised at 1

Nagpur First Page No. 6 Sep 12, 2017 Powered by: erelego.com

"Skill enhancement Training"



TGPCET signs MoU to train

students in CADD Centre

for students under long-term collaboration in education and training. Principal G K Awari and Shruti Vaibhav Wazalwar, centre head of CADD, signed the MoU. As per the MoU, the company will impart training to students of TGPCET in computer-aided design (CAD), software sessions and workshop. CADD Centre will also provide participation certificates to the participants of CAD training programme. Mohan Gaikwad, Sandeep Gaikwad, Anil Hood, Geeta Padole-Gaikwad and Mukul Pande appreciated the efforts of the institution.

"MoU to train students in CADD CENTRE"



"Career in USA"



"Communication Skill"



"Enlighten the Soul"



"Android"

Diploma Awarding Ceremony













YANKRUTI WORKSHOP 2K18













Summer Internship Program









AAKASH-2018





Alsiramji Gaikwad-Patil College of Engg & Technology Second Shift Polytechnic



Guests at the inauguration of 'Aakash-18'.

'AAKASH-18' was organised by Tulsiramji Gaikwad-Patil College of Engineering & Technology Second Shift Polytechnic recently. More than 120 students participated in the event where they took part in events like model presentation, sports, tug of war, carrom, LAN gaming, poster competition (mono and duet singing), antakshari, e-greeting design. Abhijit Ubarhande, HR & Manager, Mahindra & Mahindra Ltd, was the chiefguest. Dr Mohan Gaikwad-Patil, Chairman, GPG; Prof Sandeep Gaikwad, Treasurer of GPGI; Dr GA K Awari, Principal; Anil Hood, Executive Director, GPGI; Dr Prashant Kadu, Principal, AGPCE; Prof Pragati Patil, Vice-Principal, AGPCE; Dr Geeta Gaikwad-Padole, Director, Admissions; Prof Niteen Kakade, Dean, Polytechnic, all HoDs were present prominently.





Cultural Program











TECHNOFEST-2018











SPORTS









Technical Article

COULD SPARKLING GLOW-IN-THE-DARK PAVEMENT REPLACE STREET LIGHTS??



Imagine yourself walking in middle of park one night, it is all dark and obscure, you cannot see a thing or a human being and suddenly the walking path illuminates and light up the whole park- it would feel like a scene take sight out of your fairytale! Can you imagine walking on that illuminated pavement, feeling as if fairies have scattered the magic dust everywhere for you?! It seems far from reality doesn't it? You must be thinking to yourself that it is one of those childish fantasies that can never come true. Well, you can't be more wrong!

This fantasy Based idea has become reality now, a reality that will not only beautify our pavements but will also be very cost effective. A British based company called Pro-Teq has designed a less expensive way to keep parks and pavement well lit at night to guarantee cyclist and pedestrian safety, popular by name of 'Starpath', the technique will help to keep the dark pavements lit during the night by making them glow in dark. The technique uses a coating made by light absorbing particles, which could be sprayed on, and it absorbed ultra violet rays from the sun throughout the day and spectacularly lights up like a starry sky at night on pavement.

Pro-teq developed this technology because of the problem that facing too much expenditure incurred in lighting the pavements of parks and roads during the night. It is burning a big whole in government's pocket and increasingly the authorities have started to shut off park's lights during the night, which gives birth to another problem named "Crime". It is a technology to cut the cost of overhead lighting and make sure that parks and pavements on

the roads continue to be well lit. United States is undergoing the same problem as overhead lighting cost of park and street light is first or second biggest energy drains there as well, which make this technology very effective.

Recently, star path was tested for the first time on all 1,600 sq.ft. Of the paths at Christ's pieces park, in the university town of Cambridge. The park has a reputation of being crowded during the late hours of evenings with cyclist and pedestrians alike. Although the project was not very extensive but people's reaction to 'blue glowing path' was positive there.

This possible future of street lighting is a thin decorative covering of fine wood, which is non-reflective, anti-slip and waterproof, and can be coated or sprayed on to cement, wood, tarmac or other solid surface. The gleaming particle of coating is on a standard path and then it is sprayed with a shielding layer to preserve its glow. The company claims the technology to be fast to apply, fast to set, environment friendly and aesthetically pleasing. Its non-reflective surface doesn't lead to light pollution and it's only grim consequences can be the restraint views of the reaction of the local wildlife towards the continuous lighting. The starry coating is striking and doesn't only have a brilliant blue look to it but also comes in other luminous color like red, gold and green.

The Netherland began its 'Smart highway' revamp, which is based on the same fundamental of using super-charged glow-in-the dark point to light up highways during the long, dark winter. It will not only light up and define the road but will also warn the drivers about black ice whenever necessary.

Due to the increasing financial pressure the authorities all over the world, starpath is bound to become one of the most famous inventions in the coming years, especially because it is easy to maintain and practical to use. And to be really honest who would mind such an environmental friendly aesthetical way of lightning our dark pavements. Soon magic dust will sprinkle everywhere and you wouldn't have to look up to the sky to gather an image of the starry night, the stars will be right under your feet!

PRASHNAT GHULAXE CW Dept.

Future of Internet of Things

Today, all the things are controlled by the system with the sensors and the technology, it helps to handle the things easily and even in a more sophisticated way. Each and every day the life of people is changing due to new inventions with the help of technology. The Iot is changing the lifestyle of people, it enriches our lives more and in systematic way, even from a Car to our home also, It brings the things to an digital way. It recognize the system with the network area, the it will make the future more enhanced and imaginative way, which we never thinked at all in the coming future

TheIot is seen in all the things, even from small things to big things. An it connects the physical object like the car, buildings and many more things that are embedded with the help of software and the sensor technology through an network device, all this things are possible with the help of it. Internet of things. It can be possible to control any of the devices with the computer based systems in the world and everywhere. All the devices can be controlled with the help of sensors and network even from an remote area. With the help of it, things are becoming easier than before.

NAVEEN PATHAK Student, 2nd Year Cse

Women Safety and empowerment

Safety of Women in India has become a major issue in India now. The crime rates against women in the country have only risen to a great extent. Women think twice before stepping out of their homes, especially at the night. This is, unfortunately, the sad reality of our country that lives in constant fear.

Women in India have been given equal rights as men; however, people do not follow this rule. They contribute to the growth and development of our country; still, they are living in fear. Women are now on respected positions in the country, but if we take a look behind the curtains, we see even then they are being exploited. Each day we read about horrific crimes being committed against women in our country like it's a norm.

Not a day goes by where you don't hear of the news of a crime against women in India. In fact, there are at least five news articles that tell us about the horrific details of the various crimes. It is extremely painful to watch the status of women's safety in India, especially in a country where women are given the stature of goddesses.

The list of crimes against women is quite long, to say the least. Acid attack is becoming very normal is various parts of the country. The criminal throws acid on the face of the victim to destroy their lives completely. Nonetheless, India has a lot of strong acid attack survivors who are battling for their lives and trying to lead their lives independently.

Furthermore, domestic violence and honor killings are very common. The wife stays in an abusive relationship because of the fear of society. The family kills their daughters in the name of honor to keep up with the reputation of their family. Similarly, female foeticide is yet another common crime. Due to the regressive thinking, people kill daughters before they are born. The list continues as crimes against women are on the rise. Other crimes also include child marriages, child abuse, rape, dowry deaths, trafficking and many more.

Although the list of crimes is very long, we can take measures to ensure women's safety in our country. Firstly, the government must make stringent laws that ensure the punishment of criminals immediately. Fast track courts must be set so the victim gets justice instantly. This will serve as a great example for other men to not commit crimes against women.

Most importantly, men must be taught to respect women from an early age. They must consider women as equals so they don't even think of harming them. When you consider someone inferior, you tend to oppress them. If this thinking goes away, half of the crimes will automatically end.

In short, crimes against women are stopping the growth of our country. We must not put the blame on women and ask them to be extra careful. Instead, we must ask the men to change their thinking and work to make the world a safer place for women.

Ms. Shweta Shanware CW Dept.

Institute in Media

lokmat Times

BOTTOMLINE

Inculcate good study habits to push career: Dr Kadu

Recently

Gaikwad-Patil College of Engineering

Technology, Second Shift Polytechnic had organised a felicitation programme to honour the students and the parents. The dignitaries interacted with the parents and honoured the students who secured the top rock the their espectants who secured the top rock the their espectants who secured the top rock the their espectants were accorded warm welcome and greetings.

On this occasion, chairman of GPG, Dr Mohan Gaikwad-Patil, treasurer of GPGI, Prof Sandeep Gaikwad, executive director of GPGI Anil Hood, principal of



Meritorius students of TGPCET second shift polytechnic seen during their felicitation along with teachers.

seen during their felicitation
principal of AGPCE Dr
Prashant Kadu and dean
Polytechnic Prof Niteen
in the programme.
On this occasion Dr G K
Awari, congratulated the
students on their success
and motivated them by
sharing a word of wisdom. Dr Prashant Kadu
told the students to put

more efforts, hard work, values and principles that will help them inculor and the results of the programme had been successfully organised by Rajkumari Singh and Sneha Atkar under the guidance of Dr G K Awari, and also by the lost

On this occasion Dr G K Awari, con-gratulated the stu-dents on their suc-cess and motivat-ed them by sharing a word of wisdom. Dr Prashant Kadu told the students to put more told the students to put more efforts, hard work, values and principles that will help them inculcate good study habits for giving a push to their career.

coordination of heads of



Guests at the 'Yantra Kriti 2k18' and website launch programme.

'YANTRA Kriti 2k18' and website launch programme was organised by Second Shift Polytechnic of Tulsiramji Gaikwad-Patil College of Engineering and Technology recently. Over 200 students from various engineering colleges took part in the events like PPT presentation, Treasure Hunt, GK and Tech Quiz and Mock test for diploma student. Ajinkya Kottawar, Founder and President of Dnyan Foundation, was the chief guest. Dr Mohan Gaikwas-Patil, Chairman (GPG); Prof Sandeep Gaikwad, Treasurer of GPGI; Anil Hood, Executive Director (GPGI); Dr Prashant Kadu, Principal (AGPCE); Prof Pragati Patil, Vice-Principal (AGPCE); Dr Geeta Gaikwad-Padole, Director, Admission; Prof Niteen Kakade, Dean, Polytechnic, all HoDs and teaching staff were present. The programme was organised under the guidance of Prof Nitin Kakade, ean, Second Shift Polytechnic.

Poems

Thank You Teacher

I thank you for your helping hand for your warm and tender heart and for the opportunity to make a brand new start

I hold fast to tomorrow and treasure each passing day never taking for granted that which can be taken away

I have learned to count my blessings never dwelling on the past and to build a brighter future with the knowledge from your class

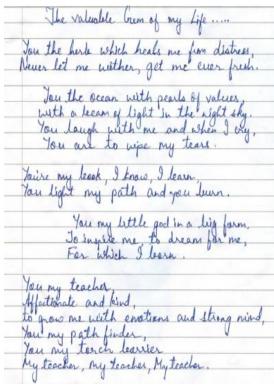
You taught me to be confident
I could do it if I tried
and taught me to have the courage
to take everything in stride

You're such a wonderful teacher for all it is plain to see I just wanted to let you know how much you have meant to me i need someone
who knows struggle
as well as i do
someone
willing to hold my feet in their lap
on days it is too difficult to stand
the type of person who gives
exactly what i need
before i even know i need it
the type of lover who hears me
even when i do not speak
cause my struggle is felt in their struggle
that is the type of understanding i demand

Pallavi Singh 2ndYearCse Rashmi kumari 3rdYearcse



Bhushan Mule 4th Sem Mech



Satha kambile 4th Sem Mech

Everything Mom How did you find the energy, Mom To do all the things you did, To be teacher, nurse and counselor To me, when I was a kid. How did you do it all, Mom, Be a chauffeur, cook and friend, Yet find time to be a playmate, I just can't comprehend. I see now it was love, Mom That made you come whenever I'd call, Your inexhaustible love, Mom And I thank you for it all. By Joanna Fuchs Poemsource.com

Rashmi Kumari

4th Sem CSE



Apeksha Jangle 4th Sem EE

UP TO DATE

A 28k modem is slower than fate A 386 is a paperweight A 4x CD is not so great But my love for you is up to date

A 5 inch floppy is hard to find A 12 inch screen will leave you blind An all DOS system is way behind But my love for you is the modern kind

The pace of change is getting faster
The new technology is hard to master
Today's new computer will be out to pasture
But losing you would be real disaster

I can make it fine with my old stuff So much of the new is merely fluff I'll never be a technology buff But since I have you I have enough.

> Ravina Kolhe VI SEM CSE

How Parents Can Help

If you discover that your child is being cyberbullied, offer comfort and support. Talking about any bullying experiences you had in your childhood might help your child feel less alone.

Let your child know that it's not his or her fault, and that bullying says more about the bully than the victim. Praise your child for doing the right thing by talking to you about it. Remind your child that he or she isn't alone — a lot of people get bullied at some point. Reassure your child that you will figure out what to do about it together.

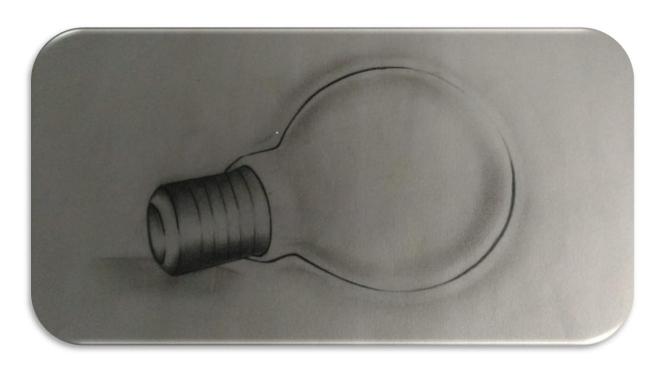
Encourage your child not to respond to cyberbullying, because doing so just fuels the fire and makes the situation worse. But do keep the threatening messages, pictures, and texts, as these can be used as evidence with the bully's parents, school, employer, or even the police. You may want to take, save, and print screenshots of these to have for the future.

Mohit Kumbhare VI SEM EE

Sketches



ANUP KOLHE 5^{TH} Sem CSE



RASHMI KUMARI 6TH Sem CSE



SHIVANI PARTETI 4^{TH} Sem CSE



PALLAVI SINGH 4 TH Sem

NATURES CLICK









BY, VIKAS GUPTA(CSE 2ND YEAR

Industry MOUs

Department of Computer sceince & Engineering



IT Training and Solutions

ITNetworkZ



Network Hub



ANV Solution



SSIT Solution

Department of Electricalal Engineering



AMNEPL, Mihan

Mahalaxmi Dhatu Udhyog Pvt. Ltd.



Bajaj Steel Industries Ltd



Epsillon Cables Pvt. Ltd.



Unitech Nagnur



Tapadia Polysters

Department of Mechanical Engineering



DURAWELD Metsys Pvt. Ltd.



ABLE Engineering Pvt. Ltd.



Jayaswal Neco Pvt. Ltd



CAD CAM GURU



Varuna Industries



Central Office: Plot No. 17, Ojaswini Complex IT Park Road, Gayatri Nagar, Nagpur.



ABHA GAIKWAD-PATIL COLLEGE OF ENGINEERING



TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ARCHTECHTURE



GAIKWAD -PATIL INTERNATIONAL SCHOOL, DONGARGAON



GPG INFOTECH



GAIKWAD-PATIL TULSIRAMJI COLLEGE OF AND **ENGINEERING TECHNOLOGY**

ELEGANCE: THE GAIKWAD-PATIL FINISHING SCHOOL





ABHA GAIKWAD-PATIL College of Engineering Mohgaon, Nagpur.

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