KJ'S EDUCATIONAL INSTITUTES

# TRINITY POLYTECHNIC PUNE

Saswad Road Bapdev Ghat Bop Gaon inside KJ institute Pune Kondhwa, Annexe, 411048

## NEWS LETTER

## 1. VIEWS OF FACULTY ON THE THEME OF NEWSLETTER (FACULTY SPEAK)

**1.** Electric vehicles are being considered an important part of the transition towards cleaner mobility which right now is dependent on fossil fuels. However, there is a concern that if the EVs are powered by electricity that is generated from power sources running on fossil fuels then the whole effort of reducing the environmental pollution load will be limited. It would merely mean that areas which are generating the power for charging those EVs will continue to suffer due to pollution from such plants while areas, where the EVs are going to be adopted, would turn cleaner. Also, the batteries that are powering most of the EVs right now require Lithium – a mineral that is not widely available. So, with a surge in electric vehicles, the demand for minerals powering its batteries will increase as well which would mean an impact on the environment and communities in and around those mining reserves. We need to focus on renewable energy powering EVs, non-motorized vehicles, and priorities shifting of public transport to electric from fossil-fuel-based systems rather than promoting EVs for every individual otherwise, road space will also be a problem. The study concludes that the shift to electric vehicles will displace workers and potentially shift contracts and employment to non-auto companies to build some components. It suggests that those potential downsides offer a chance to reinvest in U.S. manufacturing by training workers to build the parts for the new vehicles, and potentially create new manufacturing jobs to ensure the work stays within the U.S. manufacturing ecosystem. As per the study the Automobiles should not shift completely to the electricity.

**By Prof. Ganesh B. Ingole, Principal & HOD Mechanical, Trinity Polytechnic, Pune**

**2.** Yes, Automobiles should make the shift completely to electricity. It'll help reduce the pollution and harmful emissions. We are able to also make use of Renewable Energy like alternative energy to recharge the automobiles. With this you'll also reduce the emissions of greenhouse gases, which can facilitate your, contribute to cleaner air and a healthier planet. By switching to electricity completely can result in lots of Health Benefits. Better air quality will cause less health problems caused by pollution. The electrical Automobiles are quieter than petrol/diesel vehicles, which mean less sound pollution. A large scale shift to electric vehicles might not be as environment friendly because it seems to be, Though the govt of India has been advocating a shift to electric vehicles, claiming to possess a lower environmental impact, But there are concerns that without a solid plan for this shift and in absence of an idea for integrating renewable to power, the massive scale shift to EVs could mean an adverse impact for the environment and communities living in and around India's power generation centers, primarily using fossil fuels. Energy experts note that an idea is additionally needed to handle the availability chain problems with batteries that are required for powering electric vehicles. The shift to EVs would mean the new vehicles registered in India would be powered by electricity rather than fossil fuels which successively would want that lots of batteries. But if the source of the power of the electrical vehicles itself continues to be fossil fuels (electricity generated from fossil fuel-powered plants) rather than renewable power, it defeats the whole purpose of the shift, say environmentalists. However, they admit it'd certainly make some difference in controlling the high level of vehicular pollution across the country. Electric buses are visiting be a significant part of India's specialize in electric mobility

They have also highlighted that the expansion of electrical vehicles is going on in India especially in two-wheelers and three-wheelers. The two-wheelers segment of India is one in every of the foremost important within the planet. Within the last 2-3 years, lots of recent two-wheelers and three-wheelers manufacturers have come up to capture the rise and growth of electrical vehicles in India. The Indian governments are known about the situation of Electrical vehicles, which is take positive response from customers which are interested in both segments such as Four-wheelers & Two –wheelers. Lots of various states in Indian have started adopting electric buses or attempt to do so; this also motivates and promotes the use of electrical vehicles amongst the overall public. One all told the good thing about the EV (Electric Vehicle) market in India is that it's growing at an awfully good and constant pace.

**By Ms.Mohite Surabhi, Lecturer at Computer Department, Trinity Polytechnic, Pune**

# 2. VIEWS OF STUDENTS ON THE THEME OF NEWSLETTER (STUDENTS SPEAK)

**1.** This report will take into account family cars and transport truck as they are the most used means and methods of transportation worldwide. Some means of transport like trains have already started to switch over to electricity. I will also touch on civil and private aviation in this report.

**What are electric-vehicles? And how are they different to gas powered vehicles.**

Electric cars are the new and upcoming technology in the transportation market; they use electric-motors and batteries in combination with computers as a means of movement. These cases do not produce any bi-product when producing energy. Electric vehicles are non-polluting. Whereas gas powered cars use a combustible engine to power a drive-shaft and axle to set the car vehicle into motion. These cars produce CO2 as a bi-product of the combustion. As a result of this, these vehicles pollute the atmosphere and are a factor in global-warming.

**Should we shift all automobiles to electricity?**

As of the year 2021 we have not made much advancement in terms of battery sustainability and electric-motors and it is not yet appropriate to shift over to electricity for the few reasons. (As the number of electric power vehicles being produced are mostly for families, we will take into account only sedans, crossovers and SUVs.)

**Reasons opposing the shift of automobiles to electricity:**

**1. Range:**

In the year 2021 the only electric car manufacturer to have a range of upward of 300 miles or 640 kms is Tesla. This range is only the depiction of the car when it is driven very restrictively; this means that on any country's highway you would have to go below the minimum speed limit and would likely cause a traffic pile-up.A gas powered car from Ford (Ecosport 2020 taken for comparison) gives an acclaimed range of 373 miles or 600 kms; at nearly quarter of the price. If a car runs out of charger they generally default in locking up the tires as the engines powering these vehicles do not use gears, forcing them not to have a neutral gear. Once they lock up they have to be charged just so that they can be towed to the nearest charge stations creating a new phobias called range anxiety. Range anxiety is the fear that a vehicle has insufficient range to reach its destination and would thus strand the vehicle's occupants. This has also caused a lot of consumers to stray clear of electric-vehicles when shopping for a new vehicle.

**2.Safety:**

In the newer electric- cars come with new safety concerns, the most prevalent in these cars is the combustion of the battery due to overheating. To overcome this car manufacturers overcome this by restricting the output of charge until the car's battery cools down. This is still an issue because in this mode regarding Tesla the cars A/C is reduced as well as the speed of the car, it also takes roughly 20 mins to cooldown.In crash protection, electric cars have been proven to be safer than gas cars because the centre of mass is lowest to the ground.

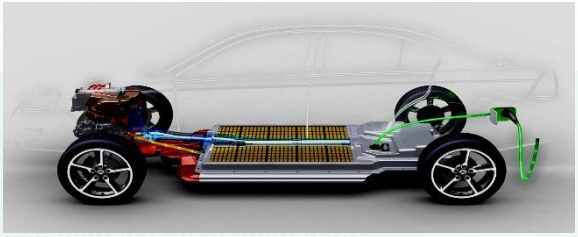


**Figure No:1**

This leads to the most dangerous safety concern in electric-cars:" Auto-pilot". Today auto-pilot is still 5 - 10 years from perfection. And even then it will still not be as good as driver intuition. With companies still requiring the operators to pay attention on the road, numerous people have been caught on their phones, and this has also resulted in crashes.

3.**Battery:**

Eclectic vehicles mostly use NCA - Nickel-Cobalt Aluminum or NMC - Nickel-Magnesium-Cobalt batteries. With Panasonic and LG being the biggest suppliers in America and China. With also CAT l producing lithium-ions batteries that will be used into the future according to reports. Most batteries have a life expectancy of only 5 years after which all the batteries are stripped and recycled, but there are also some parts that are hazardous and cannot be reused or recycled; these parts are then disposed of by being dumped into oceans causing water-pollution. After a vehicle suffers a crash and the vehicle is deemed as totaled the battery of these cars are removed and then categorized into mainly three categories: ***reusable*** - in another vehicle, ***repurposed*** - can be sold and used as battery for photo-voltic solar panels or ***Unusable*** - which are then recycled and the remaining parts of the battery ending up in a landfill, thus

causing pollution. The size of the batteries used in the electric cars are large and hence make the vehicles heavier than a gas vehicle. The size and weight of the battery increase as the capacity of the battery required needs to be increased. In order to create a sustainable infrastructure we have to create new types of batteries that can give us the same amount of capacity while take a lot less space and weight. A Typical ev-sedan has a battery that weights about half a ton with its total weight of the car being 1.1 tonnes.

**Figure No:2**

**4. Charging:**

Electric-vehicles do not have a standardized charging type or port unlike the gas powered who have either petrol or diesel. As we see different manufacturers we see different charging speeds, capacity and also the ports being used. With the minimum speed of charging being 11kW. And with a maximum of 250kW with the slower speeds being the chargers that individuals can use with the included charger with the purchase of an electric-vehicle. The faster speeds have an additional charger for their use. Electric vehicles are better for the environment but not in this current world as the method being used to produce the electricity being used to charge the vehicles are still mostly thermo/nuclear power plants around the world which end up releasing harmful gases into the environment and hence electric-vehicles are also helping in polluting the environment. All electric-vehicles have some sort of regenerative braking but that still is not enough for the vehicles to solely rely on it.

**5. Economic sustainability:**

Smaller nations (in terms of land ) have to use fewer solar and wind plants as they require a great deal of space. Nations with few or no rivers cannot use hydro-electric plants. The production of power is very expensive and therefore poorer nations rely on thermal and nuclear power plants for electricity, this causes their main source of transportation being older gas powered vehicles. Nations having high import taxes cause the vehicles being produced being unattainable for regular middle-class consumers. For example a standard Tesla model Y which is rumored to be imported between 2021 and 2022 in India will have a price of Rs. 36,54,539/- before any import taxed (The price shown is the converted price of a Model Y from the Tesla webpage.). With the most common car being purchased in India in 2020 being the Maruti Baleno (number of cars bought was confirmed from various sites.) with an on road price being 6.65 lakhs for the cheapest model(on road price from carwale.com). Even with the tax deduction in India (1.5 lakhs varying from state to state), the price and benefits do not outweigh the cost alone for them being recommended in such nations.

**Advantages of electric-vehicles:**

(We will talk about America as it is the most advanced nation in terms of Electric-vehicles)

1.) **Electricity is Less Expensive than Gas.**

A gas-powered car cost 15cents for a mile. Whereas a electric-vehicle cost only 5cents for a mile to run. Vehicles can also be charged in the consumers homes therefore further reducing the cost of operation.

2.) **Less maintenance at Lower Cost.**

As electric vehicles have less moving parts that a gas power vehicle they don't require as much maintenance as a gas powered vehicle causing the maintenance cost to be a lot lower.

3.) **Less noise being produced.**

Gas powered cars run by producing a small explosion in the piston chamber, this causes noise to be produced as we increases our speed the noise produced also increases.In the case of electric vehicles as we use the electricity there is only a constant hum that is produced by the engine causing it to be virtually silent. The point of it being beneficial for the Environment is untrue as stated in the Charging reasoning.

**Disadvantage of electric vehicles:**

1) **Short range**

As explained in the range reasoning this short range can affect not only the cars but also the well-being of its consumers.

2) **Charge time is lengthy**

As a larger volume has to charge at a slower speed than when we fuel a gas powered vehicle the time taken for charging can take almost 200 to 400% longer.

**3) Initial investment is steep**

An affordable electric car is between 30,000$ to 40,000$ whereas an affordable gas powered car is 14,000$.

**4) Charging stations aren't as common as fuel stations.**

Charging stations are more common in large cities and along highways with high traffic. Whereas rural towns have few or don't have charging stations. This limits the places you can visit and a thorough planning of the route you are taking for a road trip is required.

**5) Lower amount of Choice**

As we are in the infancy of the electric vehicle generation there are only a few fully electric vehicles being produced with big vehicle manufacturers jumping aboard the electric vehicle trend.

**Electric Trucks:**

Electrics trucks have not made a great impression on the traditional Shipping companies due to their range issues present, although companies like Amazon are willing to use them for short distances.But with no manufacturer actually delivering their trucks as of January 2021, it is still unclear whether it it's financially reliable to buy and operate these trucks.There are currently a few manufactures who are developing trucks with most of them in the testing stages with a promised delivery date of late 2020 but as that time has come to pass we yet to see the first production based electric truck to roll off the manufacturers plant.

The main manufacturers are :

**BYD -** This company is aimed for the short-haul goods movement sector, primarily in America's ports, rail yards and freight-handling facilities.

**Daimler -** This company has an acclaimed range of only 250 miles or 402 kms.

**Chanje -** This company has already started sale, however they are only selling their box-trucks with only a 150 mile or 250 kms range. With a 1000 trucks being sold to Ryder for lease to DHL , these trucks are being currently being used in the California state

Nikola Motors - We have no proof if this company actual has a functional prototype in its arsenal as there was a huge scandal late 2020, revealing that both the models Nikola One and Nikola Two were not at all functional when being showcased last year. With them even going as far as to power the trucks using the wall sockets at auto-expos in 2019 and 2020.

**Tesla** - With the only company promising a range of between 500 - 600 miles or 800 - 965 kms, and revealing their base prices at $180,000 that is $60,000 more expensive than a regular day-cab semi-truck.

**Rivian** - With no details of the trucks range or price, there were huge headlines last September when Amazon (One of Rivian's investors) planned to purchase 100,000 trucks. We can expect the first vehicles to be delivered anytime in 2022 but we don't know if there were any complications due to the COVID-19 pandemic.

**Volvo -** With an acclaimed range of 150 miles or 250 kms and a battery capacity of 264 kWh, they have started to run prototype range tests in the California region.

**Electric Planes:**

With a lot of different aviation companies trying their hand at electric planes only 1 company has started selling their planes with the FAA having certified them as airworthy. The Alpha electro Pipistrel being the only airplane being commercially sold it has a main reserve charger worth 60 mins and 90 mins including its reserve battery. It is on sale for $140,000.The youtuber Tech Insider has made an interesting video explaining why we still don't have commercial electric planes. I highly recommend viewing the video to gain a better understanding of the civil and commercial aviation market

**Conclusion:**

With the current vehicles and planes being as they may be, it is too early for us to switch completely electric. We still have to find ways to reduce cost in the manufacturing of the engines and batteries, while also having to increase the capacity, efficacy and durability of the batteries.

We can only expect a fully electric automobile industry in the next 50 years or more. This is also due to people who will not want to give up their gas-powered vehicles for various reasons, from antique cars that cost millions of dollars all the way to the simple reason that gas powered vehicles have been here for over a century now.

**By Mr. Jovian Dsouza, Third Year student of Computer Department, Trinity Polytechnic, Pune**

**2.** The coming decade is expected to be the decade of the fully electric car. With battery prices reportedly falling 73% since 2010, electric cars are expected to be as cheap as fuel-powered cars in the foreseeable future. There are a number of great benefits to electric vehicles (EVs) over conventional petrol/diesel cars it is cheaper to run as ,it is safe to drive ,no emission, renewable natural resources can be used ,low maintenance. The electric car(EV) is a relatively new concept in the world of the automotive industry. Although some companies have based their entire model of cars around being proactive and using electricity, some also offer hybrid vehicles that work off both electricity and gas . Cars produce a lots of carbon emissions that are ejected to our natural environment, living us to vulnerable things ,like pollution and greenhouse gases. In order to positively help our environment it is a great step forward for electric cars. Although the evidence of positive has become very clear, there are some downsides that each individual needs to consider before they make an electric car. The reasons are, recharge points, initial investment, electric isn't free, range and speed, longer charging time. All cars will be electric cars till 2030 and our world will become pollution free.

**By Miss. Asawari Pawar, Third Year student of Mechanical Department, Trinity Polytechnic, Pune**

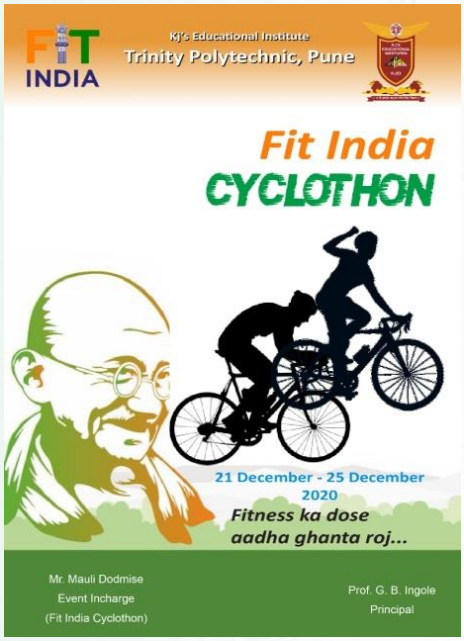
**3.** Now-a-days, the India is facing the biggest contribution towards air pollution in environment, climate change and shortage of fossil fuels. So, instead of facing such problems can we bring greener options? Can we make India pollution free? Can we decrease the rate of Global warming? Instead of running the petrol or diesel engine vehicles we can move

towards Hybrid Electric Vehicles or Conventional Vehicles. This will help us to reduce the air pollution. Because of Automobile we are facing by the pollution and different health diseases. And also there is shortage of fossil fuels. So, if we closed automobiles and convert it into EVs it will be beneficial to India by many questions?? We can make possible the transition towards cleaner mobility which is right now dependent on fossil fuels. If we run EVs, it will totally run on a battery which gives greenery and environment friendly. So, if we think that the "Automobiles make the shift completely to the electricity", The power which will be used is renewable, we can bring more greener options ( solar, wind, and large hydro ) which is the need in today's date of India. If the government will take such decisions so our India will definitely convert totally into greenery and pollution free by 2035.If India achieves this target and supplies the power to EVs through renewable sources, then it would result into sustainable solution

**By Mr.Krishna Gaikwad , Third Year student of Mechanical Department, Trinity Polytechnic, Pune**

## 3. INFORMATION ABOUT EVENTS ORGANIZED BY THEIR INSTITUTES

## A) FIT INDIA CYCLOTHON

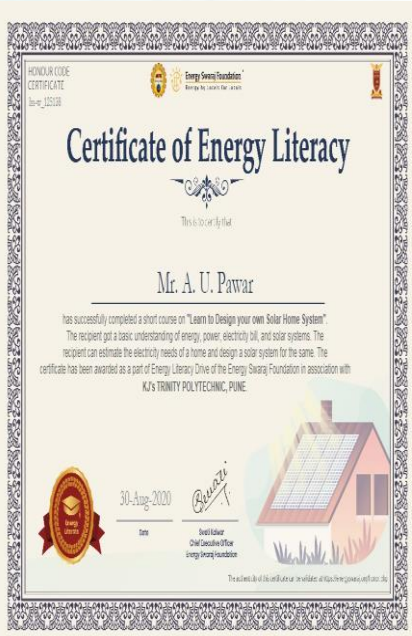




Trinity Polytechnic, Successfully organized **FIT INDIA CYCLOTHON-2020**

## 4.INFORMATION ABOUT NATIONAL AND INTERNATIONAL ACHIEVEMENTS OF THEIR FACULTY & STUDENTS

## A) NATIONAL ACHIEVEMENTS OF FACULTY



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Certificate of Energy Literacy

This is to certify that

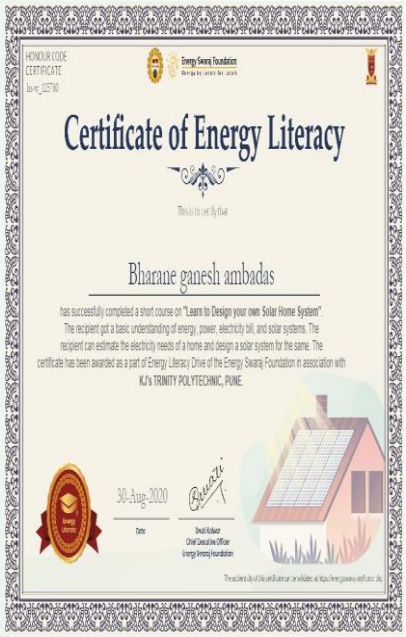
Mr. A. U. Pawar

has successfully completed a short course on "Learn to Design your own Solar Home System". The recipient got a basic understanding of energy, power, electricity bill, and solar systems. The recipient can estimate the electricity needs of a home and design a solar system for the same. The certificate has been awarded as a part of Energy Literacy Drive of the Energy Swaraj Foundation in association with KJ's TRINITY POLYTECHNIC, PUNE.

30-Aug-2020

Date

Swati Kulkarni
Chief Executive Officer
Energy Swaraj Foundation



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30-Aug-2020

Date

Swati Kulkarni
Chief Executive Officer
Energy Swaraj Foundation

Electrical Department Faculty successfully completed the **"Learn to Design your own Solar Home System",** Trinity Polytechnic, Publication

## 5. BEST PRACTICES IN THE INSTITUTION

## A) CERTIFICATE OF ASSOCIATION

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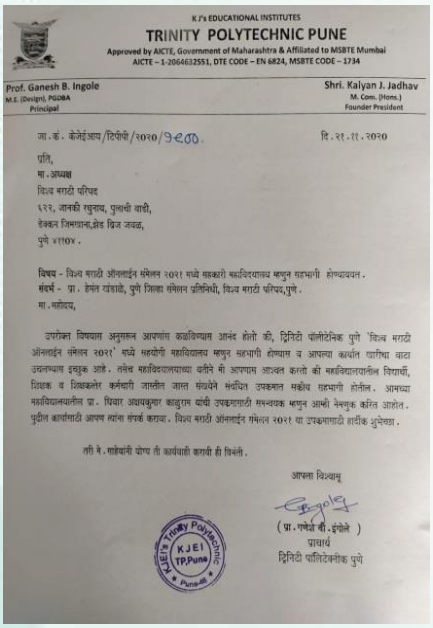
Date: 2nd December, 2020

Dr. Uma Ganesh
Executive Chairperson
Global Talent Track

Mridula Sankhyayan
CEO,
Global Talent Track

## B)विश्व मराठी संमेलन (ऑनलाईन) २०२१



K.J's EDUCATIONAL INSTITUTES

TRINITY POLYTECHNIC PUNE

Approved by AICTE, Government of Maharashtra & Affiliated to MSBTE Mumbai
AICTE – 1-2066632551, DTE CODE – EN 6824, MSBTE CODE – 1734

Prof. Ganesh B. Ingole
M.E. (Design), PGDBA
Principal

Shri. Kalyan J. Jadhav
M. Com. (Hons.)
Founder President

जा.क्र. केजेईआय/टिपीपी/२०२०/१८८०.

दि.२१.१२.२०२०

प्रति,
मा.अध्यक्ष
विश्व मराठी परिषद
१२२, जानकी स्पृशाय, पुणाची वाडी,
रेंजहिल विभागान,क्रेड ब्रिज जवळ,
पुणे ४११०४.

विषय - विश्व मराठी ऑनलाईन संमेलन २०२१ मध्ये सहकारी महाविद्यालय म्हणून सहभागी होण्याबाबत.
संदर्भ - प्रा. हेमंत खंडाळे, पुणे जिल्हा संमेलन प्रतिनिधी, विश्व मराठी परिषद,पुणे.

मा.महोदय,

उपरोक्त विषयास अनुसरून आपणांस कळविण्यास आनंद होतो की, ट्रिनिटी पॉलीटेक्निक पुणे 'विश्व मराठी ऑनलाईन संमेलन २०२१' मध्ये सहयोगी महाविद्यालय म्हणुन सहभागी होण्यास व आपल्या कार्यात खारीचा वाटा उचलण्यास इच्छुक आहे. तसेच महाविद्यालयाच्या वतीने मी आपणास आश्वस्त करतो की महाविद्यालयातील विद्यार्थी, शिक्षक व शिक्षकेतर कर्मचारी जास्तीत जास्त संख्येने संदर्भित उपक्रमात सक्रीय सहभागी होतील. आमच्या महाविद्यालयातील प्रा. विचार अध्यक्षुमार काडुराम यांची उपक्रमासाठी समन्वयक म्हणुन आम्ही नेमणुक करित आहोत. पुढील कार्यासाठी आपण त्यांना संपर्क करावा. विश्व मराठी ऑनलाईन संमेलन २०२१ या उपक्रमासाठी हार्दिक शुभेच्छा.

तरी मे.साहेबांनी योग्य ती कार्यवाही करावी ही विनंती.

आपला विश्वासू

(प्रा.गणेश बी.इंगोले)
प्राचार्य
ट्रिनिटी पॉलिटेक्निक पुणे

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विश्व मराठी संमेलन २०२१ (ऑनलाईन)

प्रमाणपत्र

ट्रिनिटी पॉलिटेक्निक, पुणे

या संस्थेने विश्व मराठी परिषद आयोजित पहिले
विश्व मराठी संमेलन (२८, २९, ३० आणि ३१ जानेवारी, २०२१)
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साहित्य संमेलन: २८ ते ३१ जानेवारी २०२१

नावनोंदणी करावी.नि: शुल्क नाव नोंदणीसाठी

https://www.sammelan.vmparishad.org

या लिंकवर क्लिक करून पाहा.निशुल्क नोंदणी असं येईल.त्यावर क्लिक करा आणि माहिती भरून सबमिट करा.नोंदणी केली की कार्यक्रम पाहता येतील.आणि सहभागाचे प्रमाणपत्र दिले जाईल.आपण स्वत: व आपल्या महाविद्यालयातील विद्यार्थ्यांना सहभागी होण्यासाठी संदेश पाठवा.तसेच साहित्याची आवड असणाऱ्यांनाही सामील करून घ्यावे.ही विनंती.

प्रा. हेमंत खंडाळे, पुणे जिल्हा प्रतिनिधी आँनलाईन विश्व मराठी संमेलन

विश्व मराठी संमेलन (ऑनलाईन) २०२१

नमस्कार, अक्षय धिवार, अखेर प्रतीक्षा संपली! ऐतिहासिक, अभूतपूर्व, बहुप्रतिक्षित सोहळ्याचे बिगुल वाजणार !विश्वातील सर्व मराठी बांधव ज्याची आतुरतेने वाट पहात होते ते संमेलन अवघे ४८ तासांवर येऊन ठेपले आहे. २८, २९, ३० आणि ३१ जानेवारी चारही दिवस एक अद्भुत सोहळा रंगणार...संमेलनातील चारही दिवसांच्या स्वतंत्र लिंक्स पुढीलप्रमाणे:विश्व मराठी साहित्य संमेलन - २८ जानेवारी २०२१

https://youtube.com/playlist?list=PLtJUkj_uBdixFuykDlwnWIZqLbE8VGOUc

विश्व मराठी संस्कृती संमेलन - २९ जानेवारी २०२१

https://youtube.com/playlist?list=PLtJUkj_uBdiyRwSm4Wr17zaGH4LtMQZdY

विश्व मराठी उद्योजकता संमेलन - ३० जानेवारी २०२१

https://youtube.com/playlist?list=PLtJUkj_uBdiymGnzu37SQ_HODbpvz4yNF

विश्व मराठी युवा संमेलन - ३१ जानेवारी २०२१

https://youtube.com/playlist?list=PLtJUkj_uBdizjW2HiENIddtgYVvNxxhvA

वर दिलेल्या युट्युब च्या प्रत्येक दिवसांच्या लिंक्सवर क्लिक करा आणि सर्व कार्यक्रम एकामागोमाग पहा. २८ तारखेला सकाळी ८ वाजता महाउद्घाटन सोहळा सुरु होईल.जगभरात कुठेही असा, विश्व मराठी वाणी या युट्यूब चॅनल वर विश्व मराठी संमेलनाचे साक्षीदार व्हा! स्वप्न विश्व मराठी परिषदेचे, सक्षम, संपन्न आणि समृद्ध वैश्विक मराठी भाषिक ब्रँड च्या निर्मितीचे!

**C) Workshop on NEP 2020**

**Mahatma Gandhi National Council of Rural Education, Hyderabad** and **TRINITY POLYTECHNIC PUNE,** PUNE, MAHARASTRA presents:

Workshop on NEP 2020, we request you to join 1 hrs Online workshop on "Social Entrepreneurship, for Higher Educational Institutions.

**Date:** Saturday, 13 Feb, 2020

**Timing:** 11 PM - 12 AM

**Key Points**:

1. Understand the vision of SESREC

2. Promoting Social Entrepreneurship

3. Share Examples/Case studies in SESREC

4. Action Plan of SESREC

**Google Meeting Link**: https://meet.google.com/dzm-ubar-hpy

Resources Person: Aditya Raj Gupta

Thank you.

महात्मा गांधी राष्ट्रीय ग्रामीण शिक्षा परिषद
Mahatma Gandhi National Council of Rural Education
(formerly National Council of Rural Institutes)
Department of Higher Education, Ministry of Education, Government of India

LrNo.001/MGNCRE/DHE/MoE/GoI/SESREC/12-02-2021

**Prof. Ganesh Baban Ingole**
TRINITY POLYTECHNIC PUNE,
PUNE, MAHARASHTRA

**Sub: MGNCRE-DHE-MoE-GoI/SESREC Action Plan/Online Institutional Workshop for Students- Request-Reg.**

Dear, Prof. Ganesh Baban Ingole

Greetings from Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India!

We thank you for setting up a SESREC Cell in your institution and attending the Online SESREC Action Plan Workshop.

As a part of the second phase, we are now conducting Online Institutional SESREC **Workshops for Students** and all faculty members of your institution. This workshop will familiarise them with Social Entrepreneurship, Swachhta and Rural Engagement and will help them plan and implement SESREC activities. They will also be eligible to participate in the **National SESREC Action Plan Competition 2020-21**. We will also be sharing the details of the competition in the workshop.

In this context, we request you to kindly participate in our **Online One-Hour Workshops SESREC Action Plan Institutional Workshop** that is specifically being organised for you, all the faculty members and all the students of your esteemed institution.

The date and timings are shared below:
**Date of the Workshop: 13 February, 2021**

**Timing of the Workshop: 11 AM – 12 PM**

Our Regional SESREC Coordinator Aditya Raj Gupta, 7479511772 will be in communication with you and can be reached for all clarifications. We thank you in advance for your contribution to this national endeavour and look forward to your immediate confirmation in this regard.

Thanking you,

Yours sincerely,

Dr. W G Prasanna Kumar
Chairman MGNCRE

Encl: 1. Draft Schedule of Workshop

# 5-10-174, Shakkar Bhavan, Ground Floor, Fateh Maidan Road, Hyderabad - 500 004.
Tel: 040-23212120, 23422105, Fax: 040-23212114, Email: wgp.kumar@gov.in, www.mgncre.in

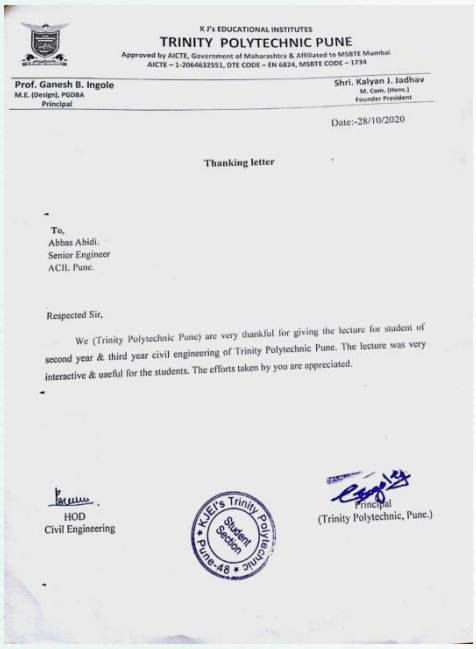
Trinity Polytechnic, Successfully organized online workshop on **"Social Entrepreneurship**

**6. MOU'S SIGNED WITH INDUSTRY**

| Sr No. | Department | Signed with |
|---|---|---|
| 1 | Computer | Mind Script Pvt.Ltd. |
| 2 | Computer | Oppulant Infotech Pvt.Ltd. |
| 3 | Civil | KJ's Infrastructure, Mukundnagar |
| 4 | Civil | SJ Construction, Daund |
| 5 | Civil | Vasstu Construction, Junnar |
| 6 | Civil | Rainbow Reality, Pune |
| 7 | Civil | Shailesh Property Hadapsar, Pune |
| 8 | Civil | Nyati Engineers and Construction, Pune |
| 9 | Civil | Raghunandan Association Kondhwa |
| 10 | Mechanical | Accurate Engineering Company Pvt. Ltd |
| 11 | Mechanical | Radiant NDT Service Pvt. Ltd |
| 12 | Mechanical | KJ Automotive Pvt. Ltd. |
| 13 | Electronics | KJ Automotive Pvt. Ltd. |
| 14 | Electronics | Success Industries Chakan, Pune |
| 15 | Electronics | Elecreative Engineers, Pune |
| 16 | Electronics | Innovators Katraj, Pune |
| 17 | Electronics | Techhbuzz Solutions Pune |
| 18 | Electronics | SKADA Technolgy Solution Pvt.Ltd. |
| 19 | Electrical | Tachmometric Controls Pvt. Ltd. |
| 20 | Electrical | Sellonic Solutions Pvt.Ltd. |

## 7.INFORMATION RELATED TO EXPERT

### A) INDUSTRY LECTURES



K J's EDUCATIONAL INSTITUTES
TRINITY POLYTECHNIC PUNE
Approved by AICTE, Government of Maharashtra & Affiliated to MSBTE Mumbai
AICTE – 1-2064632551, DTE CODE – EN 6824, MSBTE CODE – 1734

Prof. Ganesh B. Ingole
M.E. (Design), PGDBA
Principal

Shri. Kalyan J. Jadhav
M. Com. (Hons.)
Founder President

Date:-28/10/2020

**Thanking letter**

To,
Abbas Abidi.
Senior Engineer
ACIL Pune.

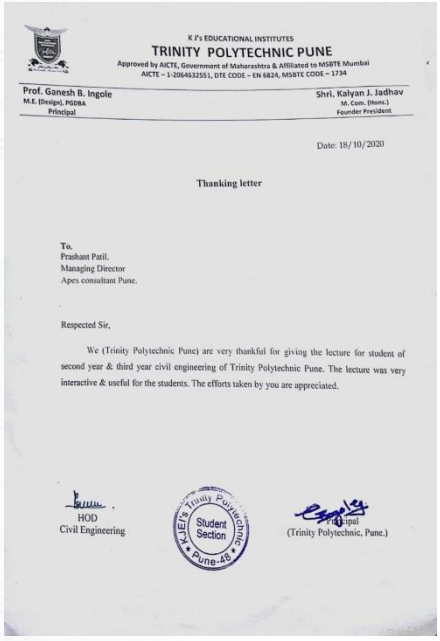
Respected Sir,

We (Trinity Polytechnic Pune) are very thankful for giving the lecture for student of second year & third year civil engineering of Trinity Polytechnic Pune. The lecture was very interactive & useful for the students. The efforts taken by you are appreciated.

HOD
Civil Engineering

Principal
(Trinity Polytechnic, Pune.)

**a) ACIL, pune**



K J's EDUCATIONAL INSTITUTES
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Prof. Ganesh B. Ingole
M.E. (Design), PGDBA
Principal

Shri. Kalyan J. Jadhav
M. Com. (Hons.)
Founder President

Date: 18/10/2020

**Thanking letter**

To,
Prashant Patil.
Managing Director
Apex consultant Pune.

Respected Sir,

We (Trinity Polytechnic Pune) are very thankful for giving the lecture for student of second year & third year civil engineering of Trinity Polytechnic Pune. The lecture was very interactive & useful for the students. The efforts taken by you are appreciated.

HOD
Civil Engineering

Principal
(Trinity Polytechnic, Pune.)

**b) Apex Consultant, Pune**

B) Civil Department successfully organized an Industry Expert Lecture**, Trinity Polytechnic, Pune**

K J's EDUCATIONAL INSTITUTES
TRINITY POLYTECHNIC PUNE
Approved by AICTE, Government of Maharashtra & Affiliated to MSBTE Mumbai
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Prof. Ganesh B. Ingole
M.E. (Design), PGDBA
Principal

Shri. Kalyan J. Jadhav
M. Com. (Hons.)
Founder President

Date: 03/09/2020

To,
Mr. Sudhir R. Shah,
Faculty Trainer,
PCRA, Mumbai.

Subject: Webinar ITP on online platform at Department of Mechanical Engineering, Trinity polytechnic, Pune.

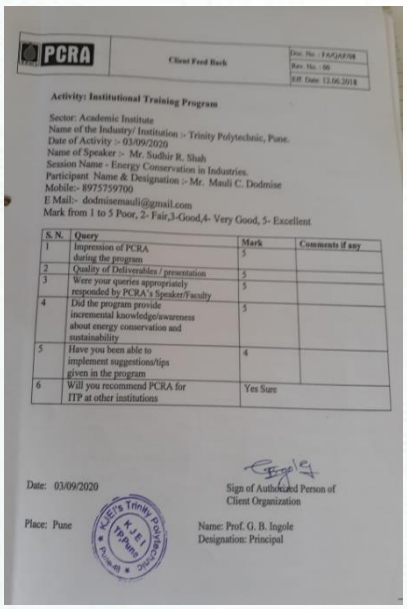
Dear Sir,
We are thankful to PCRA for conducting Webinar ITP on online platform at our Department today.
You covered various topics like Energy Conservation tips in Mechanical Industry, various activities done by PCRA and ISO 50001 Certification.
The students interacted and asked many questions related to Energy Conservation. Suggestion given by you will certainly help our students to lower the energy bills in Mechanical Industry.

Thanking You.

Yours Sincerely,

Prof.G.B.Ingole
Principal
Trinity Polytechnic,Pune

**a)Webinar ITP**



PCRA
Client Feed Back

**Activity: Institutional Training Program**

Sector: Academic Institute
Name of the Industry/ Institution :- Trinity Polytechnic, Pune.
Date of Activity :- 03/09/2020
Name of Speaker :- Mr. Sudhir R. Shah
Session Name - Energy Conservation in Industries.
Participant Name & Designation :- Mr. Mauli C. Dodmise
Mobile:- 8975759700
E Mail:- dodmisemauli@gmail.com
Mark from 1 to 5 Poor, 2- Fair,3-Good,4- Very Good, 5- Excellent

| S. N. | Query | Mark | Comments if any |
|---|---|---|---|
| 1 | Impression of PCRA during the program | 5 | |
| 2 | Quality of Deliverables / presentation | 5 | |
| 3 | Were your queries appropriately responded by PCRA's Speaker/Faculty | 5 | |
| 4 | Did the program provide incremental knowledge/awareness about energy conservation and sustainability | 5 | |
| 5 | Have you been able to implement suggestions/tips given in the program | 4 | |
| 6 | Will you recommend PCRA for ITP at other institutions | Yes Sure | |

Date: 03/09/2020

Place: Pune

Sign of Authorized Person of Client Organization

Name: Prof. G. B. Ingole
Designation: Principal

**b) Client Feedback**

**c) PCRA Cerification**

PCRA

PETROLEUM CONSERVATION RESEARCH ASSOCIATION

(Ministry of Petroleum & Natural Gas)
GOVERNMENT OF INDIA

Certificate of Participation

Mr./Ms. Department of Mechanical Engineering of K.J.E.'s Trinity Polytechnic, Pune, Maharashtra, Pin: 411048 has been awarded for participating in "Institutional Training Programme" on Oil Conservation held on 3rd September, 2020 organised by Petroleum Conservation Research Association.

Programme Manager

देवाशिस रॉय चौधुरी
Chief Regional Coordinator

Mechanical Department successfully organized an Industry Expert Lecture**, Trinity Polytechnic, Pune**

**8. VOCATIONAL TRAININGS ORGANIZED**

BARCLAYS JOB READINESS WORKSHOP- CONNECT WITH WORK (F2F/Online)

| Main Topic | Sub Topic | Objectives | Duration |
|---|---|---|---|
| | | DAY 1 | 8 |
| Introduction | Introducing the connect with work programme | What is in it for me? Understanding the objective of the CWW programme | 0.5 |
| Interview Skills | Online Image | Building a strong impression online and sustaining online credibility | 0.5 |
| | Self-Awareness | To know your personality through an MBTI | 1 |
| | Grooming | To study corporate grooming habits (The right attire) | 1 |
| | Body Language | To imbibe the right body language for a professional environment | 1 |
| | Confidence | To increase self-belief and faith in one's own abilities | 0.5 |
| | Interview FAQs | Learn to face frequently asked interview questions | 1 |
| | Resume | To build a strong profiles through effective resume writing | 1 |
| | Rejections | To understand how to handle interview rejections and come back from set-backs | 0.5 |
| | | Break Time | 1 |
| | | DAY 2 | 8 |
| Corporate Readiness | Values | An introduction to values in a corporate environment | 0.5 |
| | Ownership | To learn how to be accountable and own tasks, projects etc. | 0.5 |
| | Respect | To understand the importance of respect as a critical corporate value | 0.5 |
| | Teamwork | To understand collaboration and its importance in the corporate world | 0.5 |
| | Autodidactism | To leverage self-learning and self-directed education | 0.5 |
| | Flexibility | To learn how to be flexible while playing multiple roles | 0.5 |
| | Time Management | To improve effectiveness at work and achieve a balance | 0.5 |
| | Stress Management | To understand how stress can be managed and to lower depression | 0.5 |
| | Positive Attitude | To take the step towards positive success by adopting the right approach | 1 |
| | LinkedIn (Profile Management) | To gain knowledge on LinkedIn account management and tips to enhance a profile | 1 |
| | SWOT Analysis | To Self evaluate and analyse strengths and areas of improvement | 1 |
| | | Break Time | 1 |
| | | DAY 3 | 8 |
| Mock Interviews & Group Discussions | In basket simulation (Learning Application) | Group Discussion rules and enhance Public Speaking skills (Group Discussion) | 7 |
| | | Tips to handle interviews and be able to create the right impression (Mock interviews) | |
| | | Break Time | 1 |
| | | TOTAL DURATION | 24 |

Trinity Polytechnic, Successfully organized **BARCLAYS JOB READINESS WORKSHOP - CONNECT WITH WORK** (F2F/Online)

**9. SUCCESS STORIES OF DIPLOMA HOLDERS (ENTREPRENEURS)**

| Sr.No. | Name of Student | Department Name | Firm Name |
|---|---|---|---|
| 1 | Rai Ashish | Mechanical | Rai Engineering components, Katraj |
| 2 | Dighe Amit Anil | Mechanical | Dighe Automotives, Chakan |
| 3 | Ingale Shantanu Bhushan | Mechanical | Samarth Industries |
| 4 | Gaikwad Akshay Mahadev | Mechanical | Akshay Industries |
| 5 | Bhintade Jai Balasaheb | Civil | Ganesh Associates |
| 6 | Jagtap Swapnil Vilas | Civil | Chandrai Construction |
| 7 | Kamthe Saurav Machindra | Civil | Raghunandan Associates |

**10. NEWSLETTER FEEDBACK**

MSBTE News Letter is excellent platform to express their Views on upcoming trends. It's very newsy document for all students & faculty members of all the polytechnic colleges in Maharashtra .The theme of the current issue **"Should Automobiles make the Shift Completely to electricity?"** it's very important topic which we face in the our daily life. In the digital world u make ready for improve our teaching - learning - living activities and this Newsletter are help us for improve our Knowledge. These themes are directly connected with our society & provide the Lot of information to our Newsletter Readers. Once again I really appreciate the work done by newsletter committee.

-Ms.Mohite Surabhi

Trinity Polytechnic, Pune