



K.E. SOCIETY'S

Rajarambapu Institute of Technology

RIT-POLYCONNECT

ISSUE-I JUN 2020 TO DEC 2020

Vision of the Institute

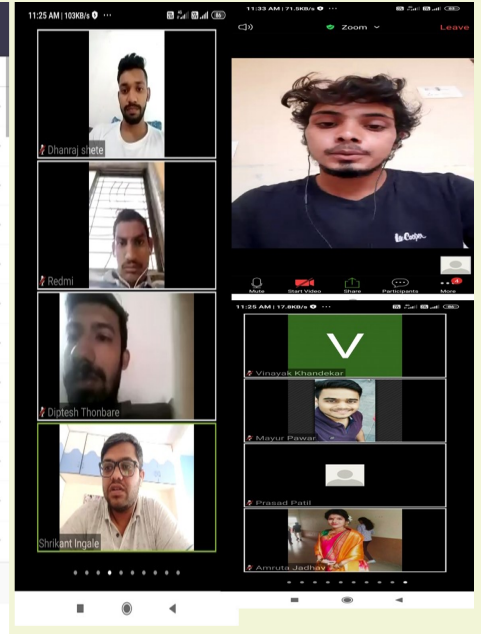
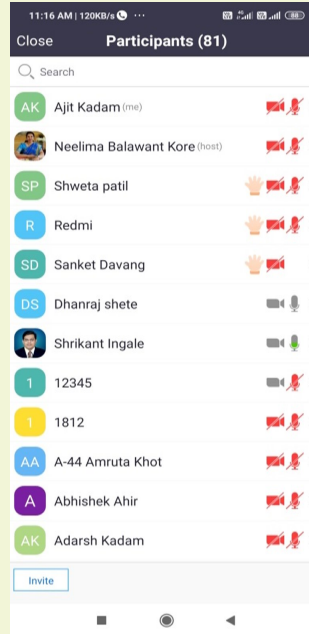
To be a recognized polytechnic institute committed to excellence in academics, knowledge creation and delivery to develop socially responsible professionals.

Mission of the Institute

1. To impart technical knowledge and skills along with ethical and social values.
2. To strengthen association with industry and alumni to make students technically and socially responsible citizens.
3. To promote students for higher studies in reputed institutes.
4. To ensure employability, encourage entrepreneurship and promote lifelong learning.

Alumni Get-Together

Alumni get together of Diploma batch 2017 to 2019 was organized at R.I.T., Rajaramnagar on 19th July 2020 under guidance of Hon. Director Dr. Mrs. S. S. Kulkarni. Prof. Dr. H. S. Jadhav (Dean Diploma) through online mode. At alumni interaction session, A video clip (Glorious Moments in RIT) prepared by Alumni Cell consisting collection of the photos of the alumni from 2017 to 2019 batch was shown to take the alumni members down the memory lane. All the alumni enjoyed this video clip and revived their memories.



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Mr. Ajit M. Kadam,
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Harshav P. Chikani
Civil
Shivam D. Mali
Electrical
Swarali Sunil Kadam
Mechanical
Shruti Pardeshi

Parents, Children & Anxiety

Counselling Cell, organized an free webinar for student by using online mode (MS Team) named "Parents, Children & Anxiety" on date: - Friday & Saturday, 11th & 12th /09/2020 at time:- 03:45 p.m. to 05:00 p.m. for development of students . Electrical and Automobile students attend this function on Friday. Mechanical and Civil students attend this function on Saturday. This function was arranged by the members of Counselling cell of diploma wing. The program was honored by the presence of, Prof. Mrs. L. S. Jadhav (Shri. Venna Jr. College, Medha), Dr. H. S. Jadhav (Dean Diploma), Prof. Mrs. V. S. Nalwade (Academic Coordinator), Prof. Mrs. S. S. Patil (Head, Counselling cell, diploma wing) & other faculties of diploma. The program started with welcome speech and told about overall performance of counselling cell from the past few years by Mrs. S.S.Patil. All diploma students were present on this occasion. After the idol worship, Mrs. V. S. Nalwade introduced the chief guests.

K. E. Society
Rajarambapu Institute of Technology Diploma, Rajaramnagar

Host: Counseling Cell

Free Webinar **Parents, Children & Anxiety**

How can I cope better?

Speaker: Prof. Mrs. Laxmi S. Jadhav
Shri. Venna Jr. college, Medha.

Friday, 11 September, 2020 @ 3.45 pm to 5.00 pm
Saturday 12 September, 2020 @ 3.45 pm to 5.00 pm

Join through below given link: <https://bit.ly/3hi3ysU>

Online Webinar on MS Team for all Diploma SY and TY Students.

Celebrated Teacher's Day on 5th September 2020.

YOU ARE CORDIALLY INVITED TO OUR SPECIAL ORGANIZED EVENT FOR CELEBRATING TEACHER'S DAY FUNCTION IN VIRTUAL WAY



THE WAY YOU TEACH...
THE KNOWLEDGE YOU SHARE...
THE CARE YOU TAKE...
THE LOVE YOU SHOWER...
MAKES YOU...
THE WORLD'S BEST TEACHER...

HAPPY TEACHER'S DAY

BE PROFESSOR
Time : 10:30 am to 11:30 am

DATE : 05 SEPT. 2020
DAY : SATURDAY
TIME : 10:30 AM TO 12 :00 PM
ONLINE PLATFORM : MS TEAM
..... #THNX_TEACHER

ORGANIZED BY : AUTOMOBILE ENGINEERING STUDENT ASSOCIATION (AESA) & CULTURAL CELL (AE)
DEPARTMENT OF AUTOMOBILE ENGINEERING , RIT RAJARAMNAGAR (DIPLOMA)

Institute celebrates "Teacher's Day" on 5th September 2020 on the occasion of the birth anniversary of India's second President, Dr. Sarvepalli Radhakrishnan. Due to covid 19 situation this year department is decided to celebrate Teachers day through online mode by using MS teams for students.

- T – Talented
- E – Elegant
- A – Awesome
- C – Charming
- H – Helpful
- E – Efficient
- R – Receptive

Celebrated Engineer's Day on 15th September 2020



K. E. Society's
Rajarambapu Institute of Technology,
Rajaramnagar,
Diploma

Department of Automobile Engineering &
Automobile Engineering Student Association (AESA)

CERTIFICATE
OF APPRECIATION

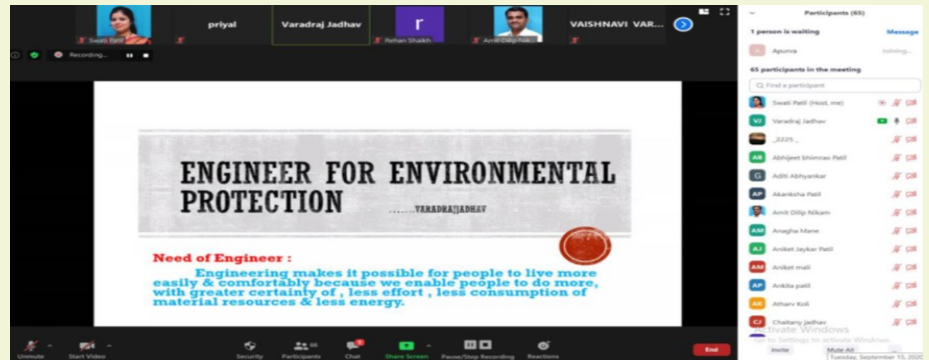
This is to certify that,
Mr. / Ms. Sanket Sanjay Bhagat
Of RIT
has participated and successfully completed in **An Online Technical Quiz Competition** organized by Department of Automobile Engineering & Automobile Engineering Student Association (AESA) of Rajarambapu Institute of Technology, Rajaramnagar (Diploma) held between 14 Sept. 2020 on the occasion of Engineer's Day 2020.

Prof. P. A. Desai
AESA Faculty Adviser

Prof. R. S. Sargar
HOD - Auto Engrg.

Dr. H. S. Jadhav
Dean Diploma

"National Engineers Day" on 15th Sept. 2020. To appreciate the contributions of Mokshagundam Visvesvaraya. The Bharat Ratna awardee, Visvesvaraya was born on September 15, 1861 in a village called Muddenahalli in Karnataka. Due to covid 19 situation this year we decided to celebrate Engineers day on 15 September 2020 through online mode by using MS teams for students. We all decided to arrange guest lecture on "Role of Engineer in Society" and taken various activity like "Online Quiz Competition" for all engineering students. More than 250 students attended this program from all department and in online quiz competition.



Guest Lecture

Department of Civil Engineering arranged "Alumni Guest Lecture" of Concrete Technology on 25th Nov. 2020 given by our 2016 batch alumni Mr. Viraj Bachal (Director, Partner of Technoarte Solutions, Karad/Pune) for SY Civil Students by using Platform Zoom App.



Webinar on Valuation and Legal Aspects

Kasegaon Education Society's
Rajarambapu Institute of Technology, Rajaramnagar
Dist. Sangli, Maharashtra, India 415414

Department of Civil Engineering (Diploma 2nd Shift)
In Association with ISTE RIT chapter (MH-084)
Organizes, Three Days ISTE RIT Chapter Certified

Valuation And Legal Aspects

JUN 2020
22nd to 24th

Registration fee **Rs. 100/-**

Registration Last date: 21 JUN 2020 - 05:00 pm
Enroll at: <https://bit.ly/RITCIVIL-WEBINAR-JUNE20>

Webinar contents

- Concept of Sinking fund and Depreciation
- Valuation report writing
- Legal terms of Valuation
- And more

Valuable sessions by

- Dr. M. B. Kumthekar, Principal, Govt. College of Engineering, Nagpur
- Dr. Y. M. Patil, Asst. Professor, RIT, Rajaramnagar
- Mr. B. B. Patil, Chartered Engineer & Approved Valuer

E-Certificate to all participants
For Examen

Account Name: KES RIT DIPLOMA SECOND SECOND SHIFT
Account No: 50100190482500 Bank Name: HDFC Bank
IFSC Code: HDFC0002455

Contact to Coordinator
Mr. M. S. Yadav - 9689659803 / 7498429855
Mr. K. P. Mail - 7028284243

Prof. S. S. Ingle, HOD - CIVIL ENGRG, RIT, Rajaramnagar (Diploma 2nd Shift)
Dr. H. S. Jadhav, Dean Diploma, RIT, Rajaramnagar (Diploma 2nd Shift)
Dr. Mrs. S. S. Kulkarni, Director, RIT, Rajaramnagar



Department of Civil Engineering Diploma Wing, Rajarambapu Institute of Technology, Rajaramnagar is organizing three days an online Webinar on "Valuation and Legal Aspects" from 22nd June to 24th June 2020. Resource Person for this program are, Dr. M. B. Kumthekar. Professor & I/C Principal, Civil Department. Government college of Engineering, Nagpur, Dr.Y.M.Patil. Professor, Civil Department. Rajarambapu Institute of Technology Rajaramnagar, Islampur and Dr.B.B.Patil. Government Valuer, A/P: Sangli.

Research Methodology and Research paper writing

K. E. Society's
Rajarambapu Institute of Technology Diploma 2nd Shift, Rajaramnagar
Department of Electrical Engineering
Organizes Three days online Faculty Development Training on
"Research Methodology and Research paper writing"

- This FDPIT is intended for faculties, PG Scholar from any stream are eligible to apply.
- Registration fee for program is Rs. 100/- for each selected participant. Participant can transfer their registration fees on any digital payment platforms.
- Training starts from 14th June to 16th June, 2020 last date of registration 12th June, 2020, 5.00PM

How to Write RESEARCH PAPER
Step by Step Process

Objectives of the workshop :

1. To introduce participants about the concept of research and research Methodology
2. To provide information about writing scientific paper.
3. To introduce concept of Engineering Education research.
4. To introduce inferential validation and use of SPSS software

Highlights

1. Participants will learn Research Methodology using different tools.
2. Participant will be given 'Certificate of Participation' on attending all the sessions of workshop.
3. Instructor-led live online sessions (10:00 AM-12:30 PM)

Speakers

- Dr. H. S. Jadhav, HOD Electrical Dept, RIT, Rajaramnagar
- Dr. S. S. Datta, Associate Prof. Automobile Dept, RIT, Rajaramnagar
- Dr. Mrs. N. V. Gokhad, H.O.D Management, RIT, Rajaramnagar

Registration Fees
Rs. 100/-

Register Using Following Link:
<https://bit.ly/2UkVWEO>

- 1) Name of Account Holder : KES RIT DIPLOMA SECOND SHIFT
- 2) Bank Account Number : 50100190482500
- 3) Bank Name : HDFC Bank
- 4) IFSC Code : HDFC0002455

Under ISTE Chapter

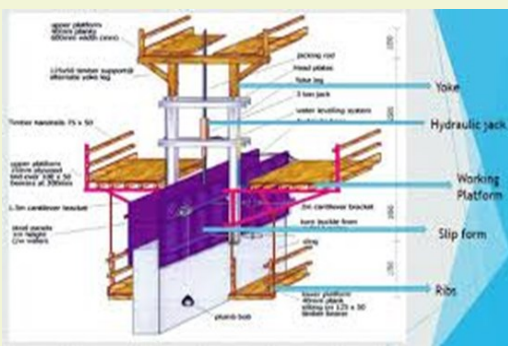
Google pay/ Phone Pay/ Any other digital platforms available for this account Number

For queries contact to :-
1. Prof. Swati S. Patil, 741009707, swati.patil@ritmaha.edu
2. Prof. Amit D. Nikam, 958650568, amit.nikam@ritmaha.edu

Prof. M. S. V. Patil, Coordinator
Prof. A. D. Nikam, Head Electrical Dept
Dr. H. S. Jadhav, Dean Diploma
Dr. Mrs. S. S. Datta, Director RIT

Electrical Engineering diploma wing organized Faculty Development Training program on "Research Methodology & Research Paper Writing" was scheduled on 14th to 16th June, 2020. For this program, 93 participants registered from the more than 60 institutes from Maharashtra. On the day of program Dr. H. S. Jadhav, Dean Diploma and Dr. Sandeep Desai (Resource Person) were invited as Chief Guests for the faculty development program. Program was conducted on online platform using Zoom App. The Chief Guests Dr. H. S. Jadhav, Dean, Diploma and Dr. Sandeep Desai, H.O.P & Associate Prof. Automobile Dept. RIT, Rajaramnagar, inaugurated the function at 09.45 am. The other dignitaries such as Mr. A. D. Nikam, H.O.D. Diploma Electrical Department and Electrical Department faculties accompanied chief guests. All the guests and dignitaries were welcomed by Mrs S. S. Patil, Lecturer, Diploma Electrical Engineering Department also addressed all participants. I told objectives of this FDPIT. Then Mr. A. D. Nikam, H.O.D. Diploma Electrical Department, briefly introduced the institute and welcomes all guests and participants. In his speech, H. O. D sir mentioned the importance of the faculty development program to improve the quality of academic programs and to respond to emerging industry needs

SLIP FORMWORK



Slip form is a method of construction in which concrete is poured into the top of a continuously moving formwork. As the concrete is poured, the formwork is raised vertically at a speed which allows the concrete to harden before it is free from the formwork at the bottom. Slip form is most economical for structures over 7 stores high such as bridges and towers, as it is the fastest method of construction for vertical reinforced concrete structures, but it can also be used for horizontal structures such as roadways.

Advantages of Slip Forming:

Slip forming can achieve high production rates, however, once continuous concreting has begun there is little flexibility for change

and so very careful planning is required. Crane use is minimized. Only minimal scaffolding and temporary works are required allowing the construction site to be less congested, and so safer. The exposed concrete can be finished at the bottom of the rising formwork. Slip form systems require a small but skilled workforce on site.



OMKAR KALASE
SY CIVIL

Formwork is a temporary mold into which concrete is poured and formed. Traditional formwork is fabricated using timber, but it can also be constructed from steel, glass fiber reinforced plastics and other materials. Slip forming is used for tall structures (such as bridges, towers, buildings, and dams), as well as horizontal structures, such as roadways.

KTM reveals the new Duke 890R

KTM finally released the new Duke 890R in an online presentation on YouTube after its reveal at EICMA in 2019. Thanks to the global outbreak of the dreaded Coronavirus, we did not get a physical press release. KTM took their wildly popular Duke 790 and turned it up to 11. As I was saying, the 890R shares its engine with its sibling, Duke 790 and has received a few upgrades before being mounted onto the 890R chassis. Mated to a 6-speed gearbox, the 790 parallel-twin now gets larger bore and stroke, more rotating mass on the crankshaft, new throttle bodies, a much more aggressive cam-profile which results in an increased output of 121 hp and 99 Nm (approx. 74 lb-ft) of torque. The gearbox too, gets shorter gear ratios with an optional quick-shifter aptly Quick Shifter+ by KTM.

Brakes are handled by Brembo with 320 mm twin-discs and four-piston radially mounted calipers up-front and a 240 mm single-disc single-piston floating caliper at the rear along with switchable 2-channel ABS. As for the suspension, a WP APEX 43 (U.S.D.) unit sits upfront and a WP APEX Monoshock at the rear. The wheels are wrapped in Michelin Power Cup II rubber which help grip the road better and take up less time to warm-up. With an increased focus on better performance, the ergonomics are also found to be more aggressive than the 790 Duke with lower bars, higher pegs and a 9 mm taller seat height round out the rider triangle. Living up to its reputation of light-weight motorcycles the Duke 890R weighs just 166 kg/366 lb (dry)! For reference, the latest generation Duke 390 weighs 163 kg/360 lb (dry). As we all know; with great features, comes a hefty price. The

Duke 890R is supposed to prices at INR 10 Lakhs (USD 13,000). In India and the U.S., it is likely to be launched as a 2021 model, whereas the rest of the markets may get it as a 2020 model. Re-



gardless of when we get this motorcycle here in India, I feel it will sell like ice-cream on a hot summer day. The Duke 890R is way ahead of its competitors in performance, technology and handling that it has to offer. But, there is one problem. It does burn through a lot of your hard-earned money.

To summarize, the Duke 890R is a light-weight, powerful, sweet handling, stable street-fighter that costs almost as much a litre class bike and I am excited for the first ones to show up in showrooms around me.



NIKHIL SURYAWANSHI
(Diploma, T.Y. Automobile)

OVERVIEW OF ELECTRICAL VEHICLE CHARGING STATION TECHNIQUE



SONALI VIJAY PATIL.
(Diploma, TY Electrical)

Electrical cars/buses can reduce emissions and even save you money. Fueling with electricity offers some advantages not available in conventional internal combustion engine vehicles. Because electric motors react quickly, electrical vehicles are very responsive and have very good torque. But electrical vehicles provide more than just individual benefits. There are three levels commonly used to describe the charging power of eves: level 1, level 2 and dc fast charging.

Electric vehicles also contribute less to climate change and smog than traditional cars because they produce fewer direct emissions, according to the U.S. Office of energy efficiency and renewable energy. Pollutants from cars that use gas "directly or indirectly harm human health and the environment," lin said. Societal benefits for EVs include national security benefits, better air quality and health, domestic economic development and environmental benefits. This research study applies this established model for evaluating clean energy programs to the evaluation of electric vehicles using the Societal Cost Test. Research has shown that electric cars are better for the environment. They emit less greenhouse gases and air pollutants over their life than a petrol or diesel car. This is even after the production of the vehicle and the generation of the electricity required to fuel them is considered.

Concerns with global warming, oil shortages, and increasing gas prices, along with the rapid rise of more fuel-efficient vehicles, are clear indicators of changing consumer preferences and industry direction. As major automotive manufacturers begin to launch plug-in electric vehicles (EVs) in 2010, the future of transportation must shift to fundamentally cleaner and more efficient electric drive systems. With electric drive systems, the prime energy source can be flexible. It can be crude oil, natural gas, solar, wind power, coal, or nuclear power. The market will now have the opportunity to flex its muscles in the transportation sector, creating demand for cleaner and more efficient fuel sources. No longer will we be shackled to the price of a barrel of crude. So as electric cars hit the road, the big question is where will they refuel? There is very little infrastructure out there to support a rapid increase in electric car use. To this end, there has been increased funding by the government through the Department of Energy to improve the needed infrastructure to support the consumer adoption of electric transportation. Through the Freedom CAR and EV Project program funding has been made available to design and develop new charging technologies and begin to build an infrastructure. ECO-go designs and builds electric vehicle charging stations to be installed in this new infrastructure. New technology is making it feasible to rapidly charge batteries; add to this the improvement in the battery capabilities themselves, and there has been significant improvement in the technology.