

June'20 – October'20

ISSUE

01

ASPIRE



*STUDENTS
NEWS LETTERS*



RANE POLYTECHNIC TECHNICAL CAMPUS

No: 82, Sethurapatti Village, Fatima Nagar, Tiruchirappalli – 620012

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Rane Polytechnic Technical Campus

Vision of the Institution

To be the best industry relevant technical education institute in the region, enhancing employability of rural youth and promoting entrepreneurship for nation building.

Mission of the Institution

- *Recognizing the intrinsic abilities among the students and adopting appropriate teaching learning process for improving their technical competency*
- *Establishing state of the art infrastructure*
- *Providing Finishing School Programs (FSPs) for facilitating holistic development of the student*
- *Interfacing with industries for better employability and entrepreneurship*
- *Inculcating social responsibility among the students*





Department of Mechanical Engineering

Vision

- *To create Technically skilled and professionally competent workforce for Mechanical and allied engineering industries*

Mission

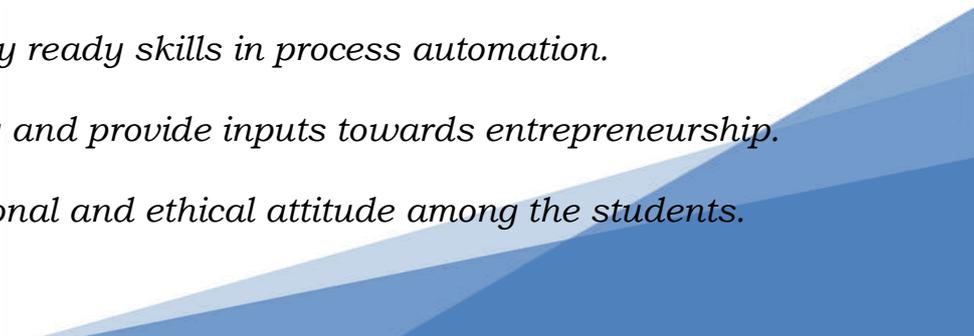
- *To facilitate conducive learning environment through quality resources*
- *To train the faculty for enhancing their competency*
- *To develop the employability of the students in line with industrial needs by interacting with mechanical & allied industries*
- *To provide effective career guidance to promote entrepreneurship and higher Education*
- *To promote personal and professional ethical values*

Department of Mechatronics Engineering

Vision

- *To develop industry ready mechatronics engineers with broad interdisciplinary skills trained in core concepts of engineering, robotics, automation and controls*

Mission

- *To Enhance multi-disciplinary technical skills through innovative teaching-learning resources*
 - *To train the faculty for enhancing their competency*
 - *To train in industry ready skills in process automation.*
 - *To involve industry and provide inputs towards entrepreneurship.*
 - *To imbibe professional and ethical attitude among the students.*
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From the Dean's Desk

Dear All,

“When the going gets tough, the tough get going”. I am happy and delighted to see yet another edition of the Student Magazine *Aspire* covering the transition to online classes, with complete lockdown of schools and colleges from Mar 2020 onwards till date, which is Oct 2020.

The world wasn't prepared for this turn of events. A virus Novel Corona as it is called, has turned the world topsy-turvy and has put all human beings on an edge. With countries banning international travel, the medical fraternity is trying to compress timelines in pursuit of a vaccine. Every day we hear deaths being reported and even while factories and other places are opening with caution, it is a big NO for the student community.

Amidst the pandemic, Rane Polytechnic Teachers and Students rose up to the occasion and found ways and means to stay in touch. The learning loss was minimized with Online classes, though that came with a lot of challenges. While learning to use technology was not much of a problem, the parents of students who attended classes alongwith their wards, established a good rapport with the teaching fraternity, an interesting by-product. 😊

We are learning to cope up with the challenges thrown at us on all fronts. Hopefully the next few months will throw some light at the end of the tunnel with vaccines and other game changers. For now, it is remote working and enjoy the art works and puzzles put forth by our students.

All the Best.

B.Rajalakshmi
Dean – Institutional Development and Quality Assurance



Online Class Experience Sharing

In physical classes, my teacher can help me in case of any doubts. But in online classes, I have to use the resource by myself and there is less communication with my teacher. Even my concentration is lacking sometimes and screen time causes irritation for my eyes. The teacher tries in every way to coordinate with us using various mobile apps. Even they are taking our weekly test, to ensure the learning efforts meet by students and to enhance our answer writing skills. I am trying my best to be a good distance learner. Sometimes my system is crashed and poor internet connectivity creates a mess in understanding the concepts. Overall in my experience, online classes are better for those students who have proper gadgets, internet connections, etc. But it may be bad for those students who do not have all these facilities. So at last, I would like to say that we should always take part in online lectures. It also increases our motivational level and modifies our power of learning different subjects.



Vikrant
DME – II Year





Photography



B.Abdul Lathif
DME – I Year





CORONA

What is a 'novel' coronavirus?

A novel coronavirus (CoV) is a new strain of coronavirus. The disease caused by the novel coronavirus first identified in Wuhan, China, has been named coronavirus disease 2019 (COVID-19) – 'CO' stands for corona, 'VI' for virus, and 'D' for disease. Formerly, this disease was referred to as '2019 novel coronavirus' or '2019-nCoV.' The COVID-19 virus is a new virus linked to the same family of viruses as Severe Acute Respiratory Syndrome (SARS) and some types of common cold.

How does the COVID-19 virus spread?

The virus is transmitted through direct contact with respiratory droplets of an infected person (generated through coughing and sneezing), and touching surfaces contaminated with the virus. The COVID-19 virus may survive on surfaces for several hours, but simple disinfectants can kill it.

What are the symptoms of coronavirus?

Symptoms can include fever, cough and shortness of breath. In more severe cases, infection can cause pneumonia or breathing difficulties. More rarely, the disease can be fatal. These symptoms are similar to the flu (influenza) or the common cold, which are a lot more common than COVID-19. This is why testing is required to confirm if someone has COVID-19. It's important to remember that key prevention measures are the same – frequent hand washing, and respiratory hygiene (cover your cough or sneeze with a flexed elbow or tissue, then throw away the tissue into a closed bin).





How can I avoid the risk of infection?

Here are four precautions you and your family can take to avoid infection:



Wash your hands frequently using soap and water or an alcohol-based hand rub.

Cover mouth and nose with flexed elbow or tissue when coughing or sneezing.



Avoid close contact with anyone who has cold or flu-like symptoms.

Seek medical care early if you or your family members have a fever, cough.

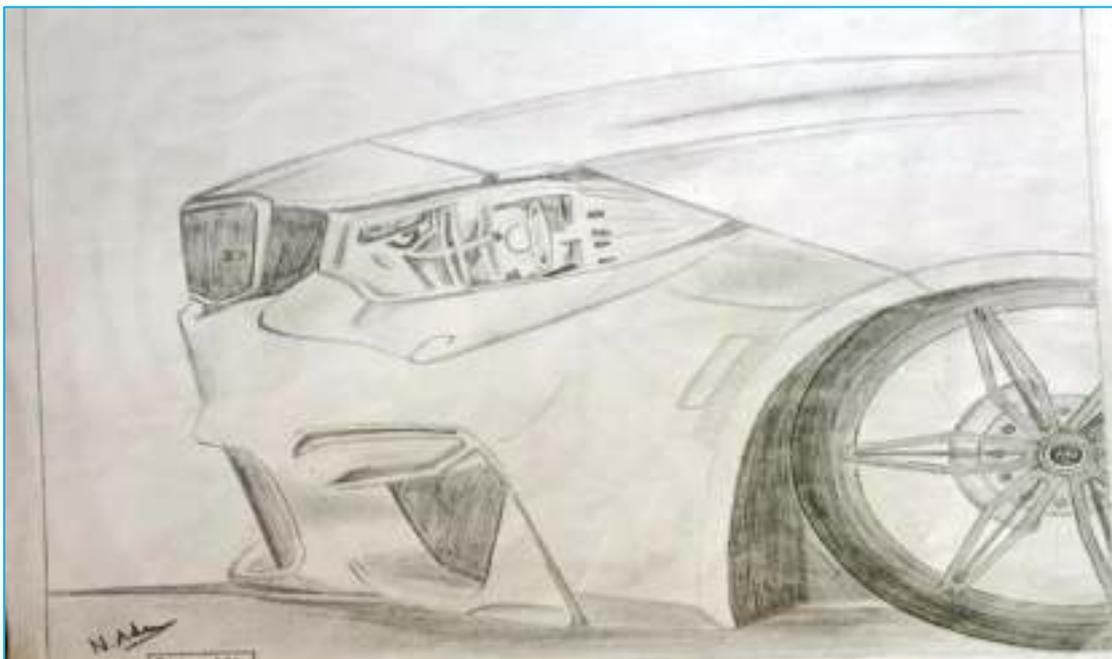
Should I wear a mask?

The use of a mask is advised to protect others even if you have no symptoms. After masks are worn, they must be used and disposed off properly to ensure their effectiveness and to avoid any increased risk of transmitting the virus. The use of a mask alone is not enough to stop infections and must be combined with frequent hand washing with soap and maintaining physical distance.



COVID-19 is a new virus, and we are still learning about how it affects children and pregnant women. We know people of any age can be infected and transmit the virus. However, older people and/or those with pre-existing medical conditions seem more likely to develop severe illness. Cold, mild cough, fever, and body pain are the common symptoms of infection. We have also noted that other symptoms such as pain in the abdomen, loose motions, and vomiting are also present in children. Clinical features or symptoms affecting children and adolescents, possibly associated with COVID-19, can include but are not limited to: fever, headache, body pain, tiredness, cough, breathlessness, poor feeding, loss of taste or smell. **Sources : Website**

Pencil Art



N.Adeeb Dirbaaz
DMTE – I Year





Impact of Corona on Education

Education is important for various reasons: first, and foremost, it's intrinsic in improving a person's quality of life. No child should ever be left behind, whether it's due to where they live, their gender, or their family's economic standing. Education is a key in improving a family, community, and country's economy and workforce: if all adults completed a secondary education, we could cut global poverty in half. The returns on education are high: every additional year of school, not only increases wages by 8-10%, but it also leaves girls less vulnerable to violence. An education can mean the difference between life and death.

Finally, education plays a key role in pulling communities out of poverty and increasing the economic power of low-income countries. COVID-19, however, has impacted education, students, and teachers in different ways globally. Here is how ONE Youth Ambassador, Laura, is drawing attention to that.

COVID-19's impact on students

COVID-19 has hit everyone hard, especially school-aged children and students around the world. The current global pandemic has seen 91% of the world's student population affected by current school and university closures. Of the 1.6 billion students out of school, 743 million are girls.

With the transition from the classroom to online platforms, we are seeing a discrepancy in education access between boys and girls: in low- and middle-income countries, boys are 1.5 times more likely to own a phone and 1.8 times more likely to have access to the Internet than girls.

As you heard, the situation is very tough but we, as ONE Global Activists, won't stop fighting for education for every boy and every girl around the world, and because education is a right and closing the gender gap begins with schooling. Education is key for all.





Drawing



S.Ganga
DMTE - I Year

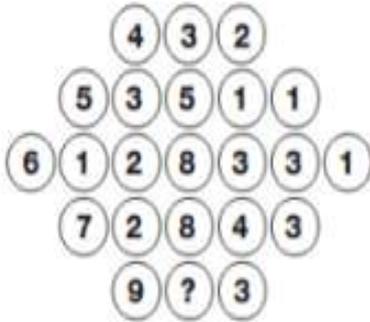




MATHS PUZZLES

1.

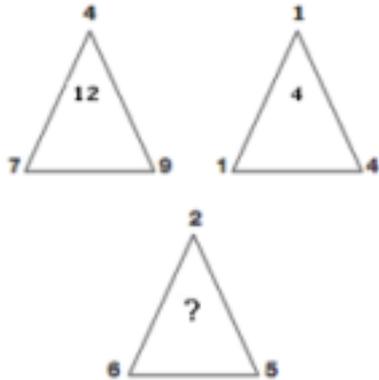
What number comes inside the circle?



- a) 9 b) 4 c) 5 d) 6

2.

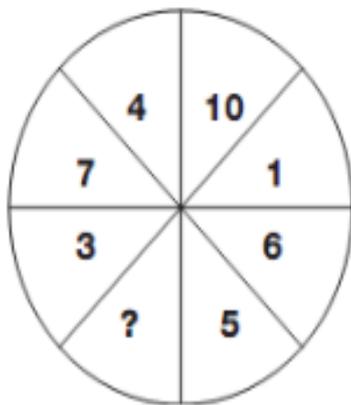
Which number replaces the question mark?



- a) 4 b) 1 c) 8 d) 9

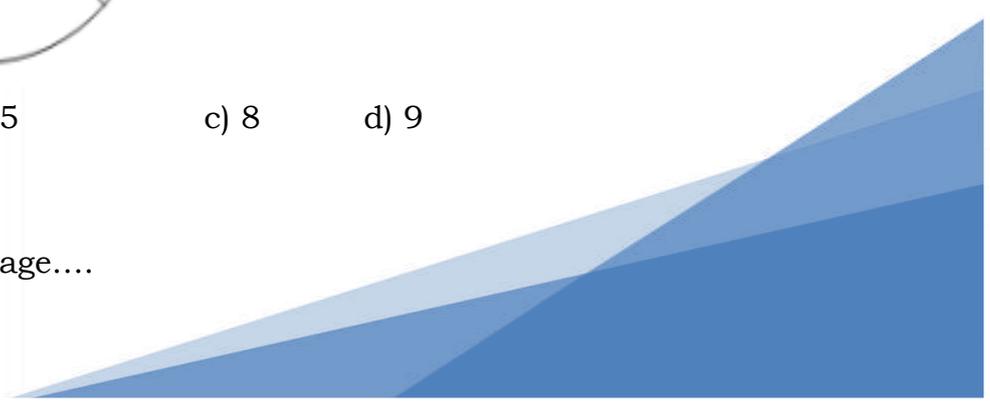
3.

Which number replaces the question mark?



- a) 11 b) 15 c) 8 d) 9

Answers are in the last page....





Drawing



G.Mathan
DMTE - II Year

Answers for Maths Puzzles...

1. 6

2. 9

3. 8





The Editorial Board



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