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A few words with our honorable Vice-Chancellor on World Mental Health Day.



October 10 has been marked as World Mental Health Day. This year too witnessed uptake of such programmes that proved to beneficial in creating awareness among people about Mental illness. When the entire world is under the shades of pandemic, it becomes a necessity to spread the word that how to tackle such tough times. Realizing this to be a self-duty, Respected VC sir took initiative to have a word about this illness becoming prominent amongst youth. Here are some of the insights from the interview:

- Q1. Why is it important to have a Mental Health Day?
- Mental health is not only important in today's scenario but it is very important for every individual because a person having good mental health can perform better in various aspects of life compared to those who are not mentally fit and are facing some issues.
- Q2. Does awareness about mental health has increased during the years?
- Yes, the awareness about mental health has increased in past few years. Over these years, MICs are organizing programmes regarding mental health which in turn improve their employees' overall performance as a result of improved Mental health.
- Q3. Are people being discriminated on the basis of mental health?
- Yes, maybe at a few places. People should not discriminate others on the basis of mental health. People nowadays aren't able to get the jobs they desire because of the increased number of applicants and this has become a major cause of distress among today's generation. Instead of losing self esteem and stressing out and discriminating people on such basis shouldn't be done. Rather people should encourage others to eliminate this situation and to come out with more confidence.
- Q4. What steps should be taken by government to tackle with mental health issues?
- Government is actually taking all sort of efforts for well being of their employed population as well as the people who were locked up in their homes for months. Family plays a very important role in it. One's family is responsible for his/her good mental state as when he/she is suffering from some kind of failure they can act in a better way to support them.

"It's up to you to start making healthy choices. Not choices that are just healthy for your body, but healthy for your mind."

Online Debate Session with students on October 2,2020.

October 2,2020 marked as Birth Anniversary of two greatest leaders of the Freedom struggle of India -Former prime minister Lal Bahadur Shashtri and Father of the Nation- Mahatma Gandhi. Amidst this pandemic when it is difficult to organise any memorial on such occasions, an "Online Debate session" was organized in which students showed an active participation. Vikas Yadav, USAC Deputy Secretary started the session by introducing the father of nation Mahatma Gandhi and former prime minister Lal Bahadur Shastri. He further proceeded asking each student individually about their view and how inspiring their stories are for them. Many students spoke expressively but some of the student left due to time shortage. He concluded the programme by thanking everyone involved in the event directly or indirectly and for this mass participation. Mr. Ram Naresh Tripathi thanked Vikas Yadav for organizing it in such a befitting way. In the end Vikas Yadav expressed his gratitude to Shivam Tomer (Final Che) and Kanchan Rathore (3rd Che) who helped in organizing it suitably. Talking about the insights of the Debates, basically everyone talked about the two leaders' life works, their ideology, contribution in freedom fight and how we could still learn from them.

The participants of debate competition are listed here:

•Aviral Gupta (3rd CHE) •Akhand Pratap Singh (2nd BE) Astha Dixit (2nd CHE) Ishwi Varshney (2nd CHE) Atul Kumar (3rd FT) · Roli Yadav (2nd CHE)

 Achintya Mishra (2nd PT) · Itee Srivastav(2nd CHE) •Ritesh Singh (2nd ET) Aryansh Srivastav (2nd CHE)

*Komal (2nd FT) •Kanchan Singh Rathore (3rd CHE)

•Bharat Pratap Singh (3rd PT) •Khushi Rastogi (2nd CHE)

*Rashi Gupta (3rd FT) •Anushree Trivedi (2nd CHE) •Neha Mittal (2nd CHE) · Shobhit Dixit (2nd CHE) •Adarsh Awashthi (2nd CHE) *Surbhi Gond (2nd ME)

· Uddhav Dubey (3rd PT) Tanisha Gupta (2nd FT) *Anchal Verma (2nd FT) • Privam Tondon (3rd OT)

Obituary

•Rohit Pratap Singh (3rd CSE)

Our beloved batchmate Vaibhav Tripathi paased away on 12 October.

He was a very diligent student. He was known for her kindness and jolly nature. His smiling face, his helping nature will become an eternal memory for all of us. Weall pray to god for his soul to rest in peace. We all are very fortunate and proud that he was a part of our family and he will continue to be a part in our memories.



Owing to covid 19 pandemic the mid semester examinations will be conucted in an online mode.



The exams will be held through google forms.

However the end semester examination will be conducted in an offline mode .The college authority decided to open the university in Novemeber. Following are some directions given by Pradeep Singh sir (COE) regarding strategy for conduction of online mid-sem and offline end-sem examinations:

- 1) mid semester will be conducted online due to the pandemic situation in the city.
- 2) Exams will be held through google forms.
- 3) As per guidelines of central government, the collage 2) Written round of the selected students and further 13 students were shortauthority decided to open the university in November in accordance with the pandemic norms.
- 4) End semester examination will be held in offline mode.
- 5) Proper social distancing norms will be followed.

Training center:

A team of students has been formed for sessions 2020 -21. There are branch wise representatives for all branches .

There are 3 student heads

1.Somendra tripathi sir (final CHE)

2. Yogendra sir (final CSE)

3. Kavish sir (final ME).

Anita Yadav maam (CSE department) is university coordinator (university faculty incharge of training and placement activity). They have contacted companies and organised such a proper atmosphere that placement has smoothly con-

Placement during pandemic

This is one of the toughest situation for the graduates who were aspiring for job. However the training center has contacted the companies and arranged a proper space for the process.

The company which took the approach for recuitment here has given virtually proper space to all of them. The placement process has been smoothly conducted. The Process of placement for approximately all. Companies during this pandemic is as follows:

First and foremost there is online presentation followed by test. Then there are shortlist for the interview and final interview was also conducted in virtual platform .Till now highest package in campus placement is 10 LPA is offered by Airtel for ET Branch.

HUL give the package of 7LPA



For HUL there are three branches are eligible (ME, EE, CHE).

HUL Final Shortlist: Vishal singh - Chemical Engg. Divya Mishra- Chemical Engg. Vaishali Baghel- Electrical Engg. Prakarsh Agrawal-Electrical Engg. Kashi Nath Tripathi- Mechanical Engg.

Airtel placement Procedure



1) Shortlisting on the basis of cgpa

listed.

3)Interview of each of the shortlisted candidate

Name of students with the final offer:

1)Satyarth Katiyar

2)Sudhanshu Tiwari

3)Priyanshu Sharma

4)Parikshit Chaudhary

PM Narendra Modi inaugurates nine infrastructure development projects for Bihar.



Prime Minister Narendra Modi inaugurated nine infrastructure development projects, worth Rs 14,000 crores, for Bihar, through video conferencing on Monday.

The Prime Minister also inaugurated the 'Ghar Tak Fibre' Project under which all 45,945 villages of Bihar will be connected through optical fibre internet service.

"Nine-projects have been inaugurated today which include making six-lane highways, and three bridges on rivers. I congratulate the people of Bihar for getting these projects. Today is not only important for Bihar but for the whole country, today India is taking a big step to make its villages a basis of Atmanirbhar Bharat and I am happy that it is starting from Bihar," Modi said.

"Under this project in the next 1,000 days one lakh villages in the country will be connected through optical fibre. I have full faith that with Nitish Ji's good governance, strong will the work will be completed fast in a rapidly developing Bihar," he added.

Chief Minister Nitish Kumar, his deputy Sushil Kumar Modi, Union Ministers Ravi Shankar Prasad and Raj Kumar Singh, along with other officials also participated in the meeting through video conferencing.

During the course of the meeting, Kumar also thanked PM Modi for passing the agriculture reform bills in the Rajya Sabha, adding that once implemented everybody on the ground would benefit from them.

After such revolutionary decision, just before the Bihar election, the anti-national elements and the opposition cites these Revolutionary schemes as a pre-election bait for the voter. But it surely is not, Narendra Modi is the one Prime Minister who works throughout the year, his plans are not based on elections.

Union Minister Ram Vilas Paswan passes away at 74.



Union Minister and founder of Lok Janshakti Party (LJP) Ram Vilas Paswan passed away on Thursday. Paswan (74) recently underwent heart surgery in a Delhi hospital. Paswan's son Chirag Paswan announced the demise of his father on his Twitter account.

US elections 2020 updates: Trump is no longer a covid-19 transmission risk, says doctors.

US President Donald Trump is no longer considered a coronavirus transmission risk to others as he has been fever-free for over 24 hours, his White House physician informed Saturday night. "The assortment of advanced diagnostic tests obtained reveal there is no longer evidence of actively replicating virus," Conley wrote. "In addition, sequential testing throughout his illness has demonstrated decreasing viral loads."

The second presidential debate was formally canceled late Friday after President Donald Trump refused to participate in a virtual event, the latest sign of the upheaval that the coronavirus has wrought on the 2020 campaign.

Harvey Alter, Michael Houghton and Charles Rice win 2020 nobel Prize in Medicine.



The 2020 nobel Prize in Physiology or Medicine 2020 has been awarded jointly to Harvey J. Alter, Michael Houghton and Charles Rice "for the discovery of Hepatitis C virus". "The 2020 laureates discoveries revealed the cause of the remaining cases of chronic Hepatitis and made possible blood tests and a new medicine that have saved millions of lives," nobel as-

COVID-19 vaccine to be ready by March 2021, will take first dose if people have any trust deficit: Union Health Minister Harsh Vardhan.

Union Minister of Health and Family Welfare Harsh Vardhan on Sunday (September 13, 2020) claimed that India shall have a vaccine ready by March 2021. He even offered to take the first shot himself for receiving COVID-19 vaccine if people have any 'trust deficit'.

The 2 Unsung Indian Scientists Who Laid The Foundation For 2020 Physics Nobel Prize.



This year, the Nobel Prize in Physics was shared. One half of it was awarded to legendary mathematical physicist Sir Roger Penrose "for the discovery that black hole formation is a robust prediction of the general theory of relativity". Meanwhile, the other half was jointly shared by Dr. Reinhard Genzel and Dr. Andrea Ghez "for the discovery of a supermassive compact object at the centre of our galaxy."

Of particular focus here is the work of Nobel Prize winner Sir Roger Penrose. Indians must remember that some of the foundational work on black holes was done by Indian scientists AK Raychaudhuri and CV Vishveshwara, among others. None of Penrose's work would have been possible without the contribution of Raychaudhuri and Vishveshwara. Here's how they contributed to not just Penrose's success, but also enhance the world's understanding of black holes.

Prof. Vishveshwara, the founding director of the Jawaharlal Nehru Planetarium in Bengaluru, where he established the now famous REAP (Research Edu cation Advancement Programme in Physical Sciences) for undergraduate science students, made his mark in the study of black holes in the 1970s as a graduate student at the University of Maryland. As a graduate student at the University of Maryland, he published three ground-breaking single-author papers, which combined shaped our understanding of black holes. Stephen Hawking, Roger Penrose all came later in the picture," says Dr. Karan Jani, who is associated with LIGO, in a conversation with IANS. His critical calculation was used in the "discovery of gravitational waves by LIGO (Laser Interferometer Gravitational Wave Observatory) detectors in 2015, from the merger of black holes". According to one of his published obituary, "he was among the first to study 'black holes' even before they had been so named. His calculations succeeded in giving a graphical form to the signal that would be emitted by two merging black - this was the waveform detected in 2015 by the LIGO collaboration, and contain the so-called 'quasi normal modes' – a ringdown stage that sounds like a bell's ringing sound that is fading out."

Nobel Peace Prize 2020 awarded to World Food Programme.



The Nobel Peace Prize for 2020 has been awarded to World Food Programme (WFP). The Norwegian Nobel Committee announced the winner for this year's peace prize on Friday(09-10-2020) at 11:00 am (0900 GMT) at the Nobel Institute in Oslo.

the Nobel Institute in coal.

The Nobel Prize Committee took to Twitter to announce the winner: "The Norwegian Nobel Committee has decided to award the 2020 Nobel Peace Prize to the World Food Programme (WFP)."

PM Modi pushes for digital self reliance, launches 'Ghar Tak Fibre' scheme to connect 45,945 villages across Bihar.



Inching towards digital self reliance in Bihar, under the Centre's ambitious Digital India programme, the Prime Minister Narendra Modi on Monday launched 'Ghar Tak Fibre' scheme along with nine highway projects worth Rs 14,000 crores via video-conferencing in poll-bound Bihar.

The 'Ghar Tak Fibre' scheme is likely to connect 45,945 villages of Bihar through optical fibre internet service. The project will lead digital services including e-Education, e-Agriculture, Tele-Medicine, Tele-law and other social security schemes in Bihar ensuring easy access to all state natives.

Under this project in the next 1,000 days one lakh villages in the country will be connected through optical fibre. I have full faith that with Nitish Ji's good governance, strong will the work will be completed fast in a rapidly developing Bihar," Prime Minister Modi said.

The 'Ghar Tak Fibre' project would entail implementation of 1 wi-fi and 5 free of cost connections to government institutions including primary schools, Anganwadi Centres, Aasha workers and Jeevika Didi.

"Our farmers will benefit a lot from this, they will get real-time information about weather conditions, new techniques, seeds, crops and practices. They will also be able to sell their produce anywhere in the country and abroad," PM Modi added. That in itself is such a scientific and motivating thought.

The 'Ghar Tak Fibre' project will be jointly executed by the Department of Telecom (DoT), ministry of Electronics & Information Technology and Common Service Centres (CSC).

Apart from the digital scheme, the Prime Minister also inaugurated nine infrastructure development projects, worth Rs 14,000 crores, for Bihar, through video conferencing.

"Nine-projects have been inaugurated today which include making six-lane highways, and three bridges on rivers. I congratulate the people of Bihar for getting these projects. Today is not only important for Bihar but for the whole country, today India is taking a big step to make its villages a basis of Atmanirbhar Bharat and I am happy that it is starting from Bihar," Modi said. He is indeed The most hardworking leader India has witnessed!

Another Red alert at Antarctic Ozone layer on Antarctic, one of the deepest, largest in recent years: Scientists



The annually occurring Ozone hole over Antarctic is the largest and the deepest in the recent times and reached it's maximum size, scientists at the World Meteorological Organization announced. The ozone hole grew rapidly from mid-August and peaked at around at 24 million square kilometers in early October. It now covers 23 million km2, above average for the last

COVID-19 drug given to US President was developed using cells from aborted foetus

A cocktail of monoclonal antibodies taken by US President Donald Trump during COVID-19 treatment at a hospital was developed using cells derived from an aborted foetus. The drug developed by Regeneron has not been approved. President's administration had (already) in 2019 suspended federal funding for most of the new scientific research projects involving foetal tissues derived from abortions. Telling more about it, The President actually termed this non-approved yet used drug trial as "Miracles from God"

T-Toilets on board this time

NASA launches new Titanium space toilet to the space station;

budgeting around ₹170 crore US space Agency NASA has sent a new ₹170 crore Titanium tollet better suited for women astronauts in a resupply mission to the International Space Station. The residents will test it for about a few months. At 45 kg and just 28 inches, it's roughly as big as the two Russian-built space toilets at the space station and already in use.

Nobel Prize 2020: The Golden Trio this time Trio wins Physics Nobel prize 2020 for their discoveries about Black hole



One half of 2020 Physics Nobel has been awarded to Roger Penrose and the other half jointly to Reinhardt Genzel and Andrea Ghez. Penrose won it for "discovery that black hole formation is the robust prediction of the general theory of Relativity", while Ghezel and Ghez won it for "discovery of a super massive compact object at the center of the galaxy" "Miracles from God" at President's rescue

Glitch in Shower time: "Nobel Prize News" I had to get out of the shower to hear the news: 2020 Nobel Prize

Winner
Roger Penrose, who won the 2020 Nobel Prize for Physics, said that he had to get out of the shower to hear the news of his prize. "It was an extreme honor and great pleasure to hear the news in a slightly unusual way", he added. Penrose won the award for his work on the most talked topic of Modern Physics – Black holes. Not everyday someone gets to hear such a life-changing news in this hilarious way.

3 underground lakes surrounding a salty lake found on Mars: Scientists



Scientists claim to have found three underground lake on Mars which was first discovered in 2018. The lakes are spread over about 75,000 square kilometers with the central one measuring 30 kilometers across. The scientists used a data set comprising 134 observations from 2012 to 2019. All the smaller lakes are a few kilometers wide

Fridge for The International Space Station

Students at the University of Colorado, Boulder have designed a refrigeration system for the International Space Station (ISS) called Freezer Refrigerator Incubator Device for Galley and Experimentation, or FRIDGE. "There are no rotating parts, no fans, which is really big for reliability," said a student.

2020 Physics Nobel goes for delving into black holes.

Research that revealed the most mysterious objects in the cosmos — black holes. Now scientists that helped prove their existence have just won the highest honor in science, a Nobel Prize.



Explainer: The Nobel Prize

Black holes are massive objects. Their gravitational field is so strong that nothing can escape it, not even light. At their centers, black holes harbor a puzzling zone called a singularity. There, the laws of physics cease to make sense.

No question, these objects are strange. Three scientists who helped uncover details about black holes share this year's Nobel Prize in physics. Roger Penrose works at the Universi-ty of Oxford in England. Reinhard Genzel works in Garching, Germany at the Max Planck Institute for Extraterrestrial Physics and at the University of California, Berkeley. Andrea Ghez is at the University of California, Los Angeles. The Royal Swedish Academy of Sciences announced their selection on October 6. Black holes "really represent the breakdown of our physical understanding of the laws of

physics," says Ghez. Studying such exotic objects "pushes forward on our understanding of the physical world," she noted in a phone call during the announcement.

Explainer: What are black holes?

When black holes were first proposed, scientists were not sure that they existed. The idea for them arose out of Albert Einstein's general theory of relativity. Penrose eventually performed mathematical calculations that showed black holes are physically possible. For his contribution, Penrose will receive half of the 10 million Swedish kronor prize (more than \$1.1 million).

The other half will be split between Genzel and Ghez for their work showing that one of these dark objects lurks at the center of our galaxy, the Milky Way.

Face masks do not cause overexposure to carbon dioxide: Study

A study has said face masks are unlikely to cause overexposure to carbon dioxide, even in A study has said lack masses are unlinkely of course overleaponer to draw outside, even patients with lung disease. It assessed problems associated with changes in oxygen and carbon dioxide levels in individuals before and while using surgical masks. A University of Miami researcher said the effects are "minimal at most even in people with very severe

Google Maps demarcates COVID-19 containment zones in Mumbai



Google has announced that a new feature on Maps will demarcate COVID-19 containment zones in Mumbai to "enable users to make better decisions as they move around the city". Google said it is working closely with the Brihamumbai Municipal Corporation to source information and update data. Earlier, Google added a COVID-19 layer on Maps to enable access to state-level statistics.

Rare bird that is half male and half female found in US.



A rose-breasted grosbeak bird that's half male and half female was found at a nature reserve in Pennsylvania, US. Male grosbeaks have black wing feathers and pink wing pits, while females have brown wings and yellow wing pits.

Interview with Mayank Goswami



1. Tell us about your journey till UPPCS SDM

I have been preparing for this examination just after I graduated from college in 2014. I was placed in Mitsubishi Electrical during the college placement drive in my final year. But I did not join there. Thereafter, I prepared for UPSC examination for about a year. After that I joined PSU in 2015, at National Mineral Development Corporation as executive trainee where I worked for over a year. When I left that place, I came to Uttar Pradesh Power Corporation where I am currently working. During that time, I also gave Rajasthan PCS in 2016 where I got the position of Assistant Commissioner Commercial Taxes but due to some issue I couldn't join there. In 2020, I got the position of Sub Divisional Officer in Shahiahanpur.

2. Tell us about the challenges faced during the preparation of this prestigious examination.

The biggest challenges I faced were to balance study schedule and my job simultaneously. My job requires 24-hour dedication as it is public service job. Whenever I used to start studying a lot of phone calls used to disrupt my focus and therefore, I had to alter my sleep cycle so as to make up for the time lost in job related duties. Moreover, there is no provision of sanctioned leave where I work because SDO is always in charge so I had to take medical leave whenever I had to go for writing exam which as a result led to stopping of my salary several times.

3. How did you deal with the failure that came your way in your endeavor?

First of all, giving an examination multiple times requires tremendous amount of patience and deliberation. Success isn't easy and most certainly doesn't come without trailing in labor that is something my years of preparation taught me. During my years at college, I was not thorough with the core theory so choosing optional subject was a difficult task for me. Secondly, in high paying jobs there is always a lure towards money which leads to distraction from studies so that was a hurdle in my jour-

4. What advice would you give to the present-day college students?

The very first advice I will give is that students should form a habit of studying in the library. This is because when you sit for exams like UPSC then that requires a sitting time of 27 hours and that habit can only be developed in the library. Students make minimal use of the library and when they realize this it is often too late to make amends. Secondly, for the students who want to sit for such examination in future must take the core-theory done in college very seriously. They should not depend on teachers or on college because these days a lot of resources are available for free online. Those resources should be utilized meticulously. In a nutshell, a candidate should ensure his/her preparation at his/her own level because in the end you are on your own. Moreover, if a candidate has concepts clear at grassroot level then a lot initial years which would have otherwise gone in preparation are converted to service years and ultimately leading to a higher rank.

Interview with Sharvam Singh

UPPSC RANK:09 POST: DSP BATCH :2018 CE

Q 01 When did you decide that you want to go for civil services and started your prepar ation for the same? When I was in hird year I decided to go for governm ent services.I started with exploring Indian **Engineering Services** (IES). For that I even got enrolled at Acecoaching for preparation. But then my interest shifted towar



ds civil services. That is when I started preparing for it.

Q_02 Preparation for a prominent exam like this is definitely not easy, so who mentored you during your preparation?

I got a lot of support from my seniors, Kartikey sir of 2017 Civil batch, Rohit Rajput sir. In fact all the seniors of the 2017 batch who were preparing for civil services were a constant source of motivation for me. Also the Civil department faculty was always very supportive and resourceful for me.

Q_03 What problems did you face during your preparation?

I faced the same usual problems like some tests might get screwed up and you may start doubting yourself. But at the same time you need to recollect yourself and keep going. Even sometimes there is no emotional or psychological support. You are all on your own.So I went Delhi for preparation. Everyone there was in a rush . Libraries were open 24x7. And even if you visit it at 3 am or 4 am you will find someone studying there. There were

people who would study for 12 hours straight. So you need to maintain the pace so that you don't lose behind . In addition to this, in exams like PCS you can't be sure of anything, in terms of your preparation. However, you can get assured at the mains stage. It was a good thing that the pattern of the UPPSC exam changed the same year when I gave the exam. So now UPPSC is conducted in the same pattern as that of UPSC. Since I was preparing for UPSC this was favourable to me.

Q_04 When will your training start?

First there will be medical then police verification and then only next year on the same date or month training starts. This happens in almost every service like IES, Central Arm forces etc. Except for UPSC where training starts after two months

Q_05 So currently how are you utilising your time ?

I've enrolled in Young India Fellowship , which is a Post Graduate Diploma in liberal arts, from Ashoka University .It is a one year course and is also very engaging. Like we have classes

from 10 am to 7 pm on zoom. I joined this diploma because the package is pretty good here and I also wanted to change the stream. As jobs for civil engineers in the private sector are quite exhausting and the package is not very satisfying. So I chose liberal arts and also here companies associated with consulting and management visit the campus for hiring andoffer a good package.

Q_06What are the best memories of your

college life?

quizzing club of our college.

There are uncountable memories of the college. It's hard to say which ones the best. But amongst them one of the best memories are of the fest that we organised in the college when I was in third year. We organised a tech fest named "Technocrat" .There were a lot of challenges but definitelyI got a lot of exposure and experience especially when you organise a fest. Other than this, hanging out with friends and especially those discussions at Ramu da's stall. He has his snack stall in front of final year's hostel and has been there for a long time. I was also the president of Q-Frat, the

[5]



-Ankit Singh II B.Tech, Civil Engineering



-Monish Chaurasiya II B.Tech, Chemical Engineering





-Nandita Saxena MCA,II Year



-Abhishek Tiwari III B.Tech, Food Technology