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PKRMC MIRROR PKRMC MIRROR

An e-Magazine of P. K. Roy Memorial College, Dhanbad



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"EVERY EXPERIENCE, NO MATTER HOW BAD IT SEEMS, HOLDS WITHIN IT A BLESSING OF SOME KIND, THE GOAL IS TO FIND IT"

EDITORIAL DESK

A warm welcome to this first edition of e-Magazine! We are glad to present this edition.

P K Roy Memorial College Dhanbad is committed to ensure all round development of its students. This commitment prepares the students to fare their best in curricular, co-curricular and extracurricular activities at different levels and bring laurels to the college and society. Launching of college e- magazine is an ambitious effort to provide platform for students to exhibit their hidden talent. They will get exposure through their creativity in different aspects. It is the outcome of the vision, motivation, and able guidance of Hon'ble principal Dr B K Sinha.

Principal's Desk



DR BRAJ KISHORE SINHA

Change and evolution are rule of the nature. It takes its own course and time. The change that we have observed since March 2020 was unexpected and unprecedented. Conversion of Corona virus pathogen to COVID – 19 pandemics was so fast that the humanity was taken aback. Thousands and thousands of people have died due to COVID – 19 throughout the globe. No medicine or vaccine available for treatment.

This is not for the first time that the humanity is facing pandemics. World has seen pandemics like Spanish flue, Plague, influenza, Ebola, and many more in the past. But this time the pandemic was different and locked all. Humanity was locked behind the four walls as the social distancing was the only method to contain the pandemic, especially in our country.

All on a sudden schools and colleges switched on to an alternative method of communication – internet, to minimise the academic loss. Not all were trained for this new system, but all tried to cope with the situation and did their best.

PK Roy Memorial College also came forward and took the challenge to address this new type of problem. The faculty members and support staff with little experience or training on online/ virtual classes, organised classes and reached to their students and study materials were delivered to them. The handy smart phone of the teachers and students became powerful tool in this period to cope with the challenge. Limitations were there like - internet speed, internet connectivity and power supply. But every challenge is an opportunity and we did it.

College was having a plan to take care of its students and decided not to compromise with the quality of education as well as their personality development. The college organised an online competition “Fighting Corona with Creativity”. It was a grand success. The College team organised Painting, Slogan, Essay, Story writing and Quiz completions. Thousands of students of B B M K University participated. The results will be published on 5th June – on “World Environment Day”. This was aimed to minimise the stress of students during lockdown.



We stepped forward and decided to teach students of other college under the BBMK University and the college is proud to record that we cater to the needs of thousands of students of other than PKRoy College. We tried to strengthen the college website. Tried to post all relevant information on the website of the college. Our team created an e-library and all study materials are achieved. Students can browse and get relevant study material of their respective subjects and course.

During the COVID -19 lockdown period the college cultural society created a video to inspire, instil confidence among the students. This video will be a milestone and will add new dimension in the personality development programme of the college.

We also conducted a feedback survey of students for the ongoing online/virtual classes. We asked 26 questions from the students.

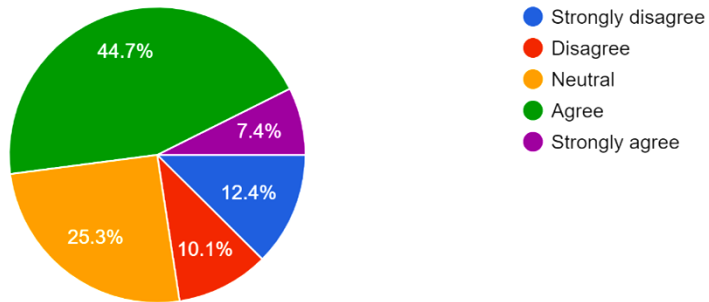
We were surprised to know some of the results of the feedback. A few of the reactions of the students are mentioned below:

“1. Not all classes are good. Some of them are very good. 2. Lack of Real-time understanding with mathematics class. 3. Facing Network issues often. 4. Timing of classes not similar to college timing. I have another course class that's why I have timing issue. 5. Everyone has a limited data pack and it's not enough to attend all classes in a day.”

“The Classes are really helpful for us provided by our teachers and college during the lock-down period and notes are also really good and way of teaching by our department teachers is very impressive and understanding. But some of our classmates stay far away from the city area so they can't connect or join classes. So, we request to you for more online classes for our next semester courses. Thank you”.

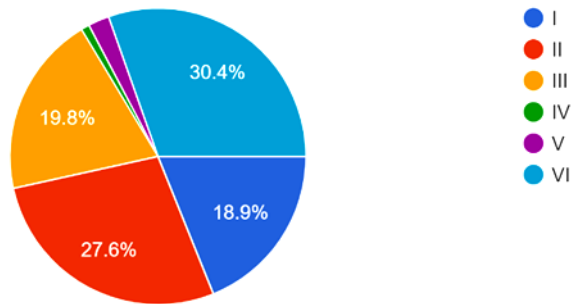
Other questions were related with course, tools used amount of study material, logistics. A few of the feedback are as follow:

The study material was provided was sufficient for the course
217 responses

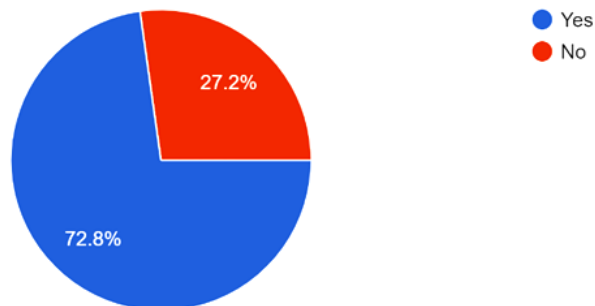


The college tried to reach to maximum number of students of all running semesters. The feedback is as follow:

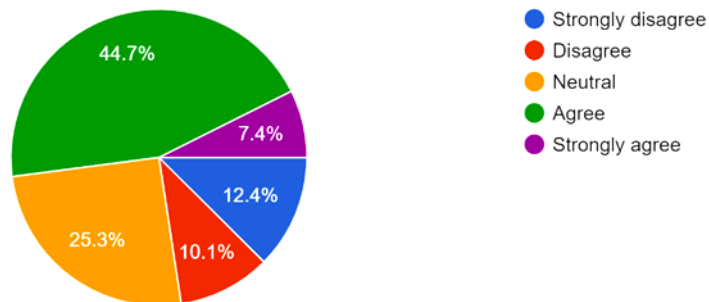
Semester
217 responses



There was a lesson plan for the class
213 responses

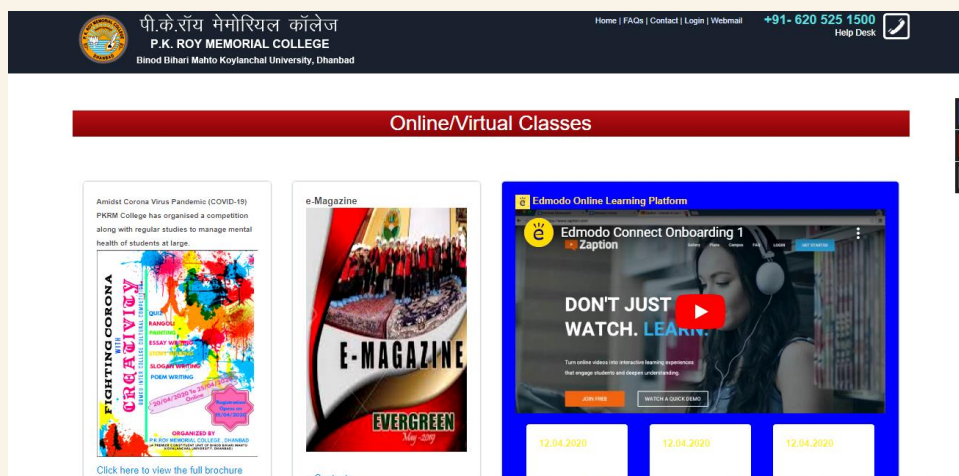


The study material was provided was sufficient for the course
217 responses



These are a few reactions of the students. On the other hand, we tried to produce an e-Magazine. The first issue is here. I hope this magazine will become popular among the students and it will give reflection of the activities of the college.

During lockdown all the online activities were only possible due the visionary Vice-Chancellor - Prof (Dr.) Anjani Kumar Srivastav, his ideas and opportunity extended to the P K Roy made this College an excellent and it worked as premier college of Jharkhand.



Last but not the least, I thank all faculty members, technical support, and College Office staff to make the online programme a success.

Braj Kishore Sinha

04/06/2020

During Lockdown, Online Classes with Many Applications

P K Roy Memorial College, Dhanbad added a feather to its cap in the academic field by successfully running online classes during lockdown period. Under the able guidance of Dr. B.K. Sinha, Principal of P K Roy Memorial College, Dhanbad and Nodal Officer, Online Courses during lockdown, BBMKU Dhanbad. Online Classes through different modes like Edmodo, Zoom, Google Meet, GoToMeeting, WhatsApp etc. were initiated.

This endeavour was highly appreciated by students, parents and BBMKU administration. It also received overwhelming support from teachers who discharged their duties in disseminating education to students in the period with. However, they had to face some problem at initial stage. Participation of students in these classes was encouraging. Students from other college of BBMKU also got benefit out of it as they were allowed to join in these classes. The desired goal could be achieved only due to motivation and proper guidance of head of the institution and wholehearted cooperation of his team.

बिना एंड्रॉयड फोन वाले छात्रों के लिए जारी होगा ऑडियो लेक्चर नोडल ऑफिसर ने प्राचार्यो संग की वीडियो कॉन्फ्रेंसिंग

एज्युकेशन रिपोर्टर | धनबाद

बिनोद बिहारी महतो कोयलांचल विश्वविद्यालय के अंगीभूत व संबद्ध कॉलेजों के जैसे छात्र-छात्राएं जिनके पास एंड्रॉयड फोन नहीं है, उनके लिए ऑडियो लेक्चर जारी किया जाएगा। इस संबंध में विभिन्न स्तर पर स्नातक स्तर के ऑनलाइन कक्षा के लिए बनाए गए नोडल ऑफिसर सह पीके राय कॉलेज के प्राचार्य डॉ. बीके सिन्हा ने धनबाद-बोकारो के प्राचार्यों के साथ वीडियो कॉन्फ्रेंसिंग के माध्यम से बैठक किया। डॉ. बीके सिन्हा ने बताया कि वर्तमान में जिन छात्र के पास एंड्रॉयड फोन उपलब्ध है, उन्हें सोशल मीडिया के विभिन्न प्लेटफॉर्म से जोड़कर वीडियो लेक्चर, वर्चुअल क्लास आदि के माध्यम से पढ़ाया जा रहा है। वहीं

1035 छात्रों को पीके राय कॉलेज से जोड़ दिया गया

पीके राय कॉलेज के प्राचार्य डॉ. बीके सिन्हा ने बताया कि जिन कॉलेजों में किसी खास विषय में शिक्षक उपलब्ध नहीं हैं, उन विषयों के 1035 छात्रों को पीके राय के प्लेटफॉर्म से जोड़ा गया। भविष्य में भी ऐसे छात्र-छात्राओं से आवेदन आमंत्रित किए गए हैं। जिन छात्रों का आवेदन आया, उन्हें भी ओपन टू ऑल कटेगरी में पीके राय कॉलेज के प्लेटफॉर्म से अलाउ किया जाएगा।

10 से 15 प्रतिशत छात्र-छात्राएं ऐसे हैं जिनके पास एंड्रॉयड फोन नहीं है, उनके लिए ऑडियो लेक्चर बनाने का सभी शिक्षकों को निर्देश दिया जा रहा है।



अब कई ऐप से ऑनलाइन कक्षाएं

धनबाद, बिनोद बिहारी महतो कोयलांचल विश्वविद्यालय प्रबंधन ने यूजी कोर्स के लिए लॉकडाउन के दौरान ऑनलाइन कक्षाओं से अधिक से अधिक छात्रों को जोड़ने का निर्णय लिया है। क्लास सिर्फ एक ऑनलाइन ऐप के भरोसे नहीं चलाये जायेंगे। एक क्लास को एक साथ कई प्लेटफॉर्म से जोड़ने का निर्णय लिया

वीवीएमकेयू

के माध्यम से भी कक्षाएं चलेंगी. यह निर्णय सोमवार को पीके राय मेमोरियल कॉलेज के प्राचार्य डॉ. बीके सिन्हा की अध्यक्षता में सभी अंगीभूत व संबद्ध कॉलेजों के प्रिंसिपलों की बैठक में लिया गया. वीडियो कॉन्फ्रेंसिंग से की गयी इस

फॉर्म भरने का निर्णय लिया गया.

पीके राय से जुड़े 1035 छात्र : धनबाद व बोकारो के कॉलेजों के जिन विषयों के शिक्षक नहीं हैं, उन कॉलेजों के ऐसे विषयों के 1035 छात्रों को पीके राय कॉलेज की ऑनलाइन क्लास से जोड़ दिया गया है. इसके साथ जिन छात्रों के पास एंड्रॉयड फोन नहीं है, उन्हें एसएमएस के जरिए लेक्चरों के ऑडियो क्लिप भेजने का निर्णय लिया गया.

IMPORTANCE OF EXPERIMENTS IN SCIENCE FOR STUDENTS



The study of Science without the experiments is like eating a well cooked food without salt in it. The soul will be missed and heavily at that, and that too, to the extent of spoiling the main purpose. Theory and its understanding is all very good but it is of no use if is not verified by experiments. The experiments and their outcome should not only support a theoretical fact but also should strengthen it and provide solidarity for its wide acceptance.

For the learners and students of Science only theory may often become monotonous. But just after a theory class on any topic the opportunity of verifying and doing the fact checking practically by conducting an experiment can be fun and also goes a long way to sustain the interest in the subject. Often a seemingly very hard and laborious theory topic can be understood easily by performing a simple experiment. Various experiments, practical in laboratory not only helps in understanding the theory well but also helps a great deal on the application part with an input in preparation for real life situations. The aim should always be to apply the theory learned, which can be fulfilled only if one does experiments in class and tries to justify it with the underlying theory.



Performing experiments in laboratory improves the observation skills of the students, they learn about the factors and sources of errors which can crop up while doing an experiment and also the ways of minimizing them. They understand the need and importance of taking many readings which minimizes errors. Another important aspect of performing an experiment is that it provides joy of doing something hands on. The creativity as well as learning capacity improves a lot. Quite often a graph made from compiling data of an experiment shows a clearer picture which a theory may take many pages to explain. Students should always be encouraged to attend the practical classes, performing experiments and also to develop some simple experiments on their own for depicting the theory. For this Science exhibition, model making competitions etc. should be conducted time to time by the institutions which will provide an enormous impetus for making basic Science popular among students. Much difficult theory can be learned through simple experiments and also a Science model helps in the application of the theory for its better understanding.

In a nutshell, it can be said that learning theory is important but learning it with experiment is learning to the core, as an experiment completes a theory and also goes a long way in enlightening a spark of curiosity, sense of discovery and an overwhelming joy of creativity among students which drive them towards excellence.

Our institution, P. K. Roy Memorial College has got well equipped laboratories which provide the students the required platform for doing experiments as well as enhancing their experimental skills.

BY - DR SAYANTAN SIL





SWACHH BHARAT MISSION

The National Service Scheme (NSS) in India was started in 1969. This public service program is sponsored by the Government of India and is conducted by Department of Youth Affairs and sports. National Service Scheme is a voluntary program in which young people from colleges, universities and also +2 level work towards creating a campus -community linkage.

The symbol of the National Service Scheme (NSS) is a Rath Wheel from the Konark Sun Temple or the Black Pagoda which is situated in Orissa, India. It signifies the movement taking place in life through the time and space, it shows us the continuity and changes in a life. It also indicates the hard work of NSS in the field to bring social change



The aim behind the program of NSS is to provide help to everyone who needs it, to enhance and bring a better change in standard of living and the way they lead their life with dignity.

National Service Scheme is beneficial to both students as well as the society in various different means. NSS helps the students to grow individually and also as a group. It makes the students confident, develop leadership skill and gain knowledge about different people from different walks of life. Students also learn other skills that help them lead a better life in various situations. It teaches us to be disciplined and organized with the objectives we set for ourselves and our goals. P K Roy Memorial College organized various programme to meet the theme of NSS.

BY - DR. DEWENDRA PRASAD

Coordinator - NSS



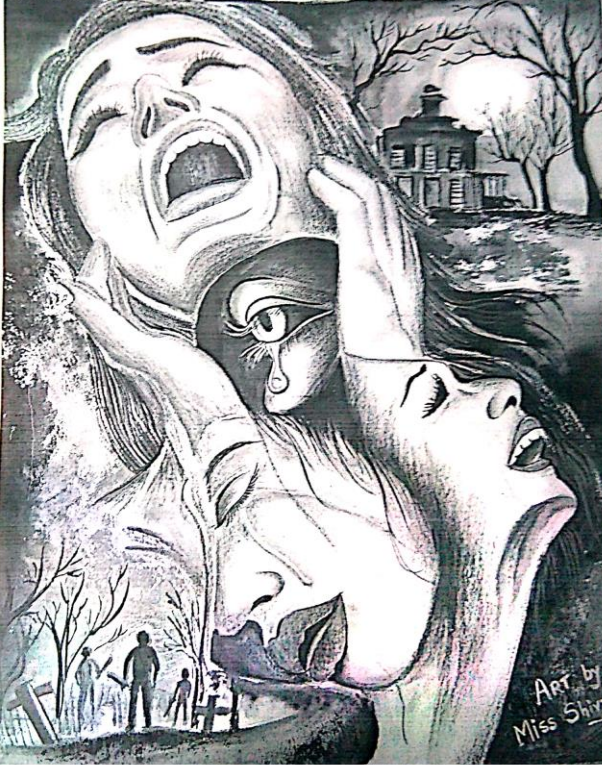
ENTREPRENEURSHIP

India is a developing country which needs 2 million jobs per month. But there are limited job creation in govt. and large industries. Entrepreneurship not only required for self-employment but also provides jobs to others. Entrepreneurship helps the country in many ways, like increasing purchasing power of individual, increases GDP, provides better lifestyle and supports large industries because large companies cannot make every small parts. Entrepreneurship is mindset which can be understood as initiating innovation in business situations to transform them into economic benefits. Jharkhand has rich resources of minerals, coal and the most important “young skilled students”. To motivate our students we organized an interactive Invited Talk by Dr. Santosh Kumar (HOD, Department of Chemistry & Institute SSIP Coordinator; Sankalchand Patel University, Gujarat, on “Idea Generation for Student Start-up and Innovation” at MP Hall, P.K. Roy Memorial College, on 1st February 2020. Dr. Santosh demonstrated various awarded start-ups at national level by students and interestingly presented how to think out of box to identify seed of innovation (problem) and to explore economically beneficial solution.

BY - DR TRIVENI KUMAR MAHTO

10

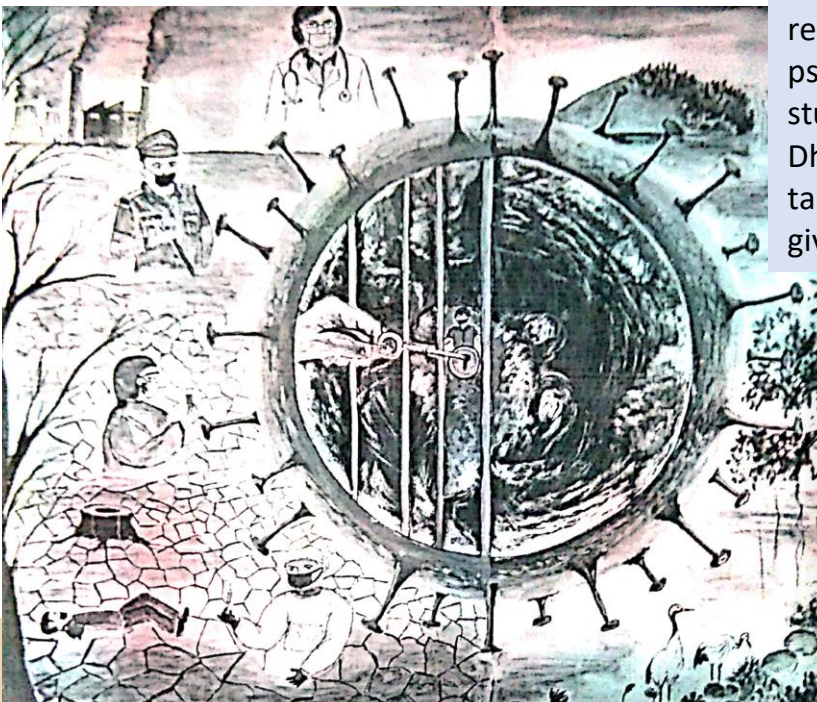
Fighting Corona with creativity, Online Inter-College Competition BBMKU. Dhanbad



On 30th January 2020 WHO declared the Covid-19 a public health emergency of international concern. The WHO has decided social distancing and certain precautionary measures as preventives from this dreaded disease to save lives globally. Major measures that have been taken are sealing of the international borders and lockdown of the cities. All academic institutions have been closed. Initiatives are taken at different levels to mitigate and compensate the academic loss of the students.

Considering all factors- social, psychological and academic, the P K Roy Memorial College Dhanbad designed an array of online competition (Essay, Story, Poem, Slogan, and Quiz) to keep the students engaged in creative activities other than academics. The idea was to keep the students engaged and relieve them from mental trauma and other psychological situations. Thousands of students of different colleges of BBMKU Dhanbad participated and showed their talent. Some of their beautiful works are given here.

BY - DR DHANANJAY KUMAR SINGH



पीके रॉय कॉलेज में छात्रों के लिए ऑनलाइन प्रतियोगिताएं होंगी

धनबाद | लॉकडाउन के दौरान छात्र-छात्राएं किसी तरह के तनाव में न आएँ, इसके लिए पीके रॉय कॉलेज प्रशासन छात्र-छात्राओं के लिए कई ऑनलाइन प्रतियोगिता आयोजित करेगा। ये हैं- निबंध प्रतियोगिता (हिन्दी, अंग्रेजी), प्रश्नोत्तरी, कहानी लेखन, काव्य लेखन, स्लोगन लेखन, पेंटिंग और रंगोली प्रतियोगिता। इन प्रतियोगिताओं में शामिल होने के लिए छात्र-छात्राएं 15 से 19 अप्रैल तक कॉलेज की वेबसाइट पर ऑनलाइन आवेदन कर सकते हैं। इस संबंध में कॉलेज के प्राचार्य ने सोमवार को शिक्षकों और कर्मचारियों के साथ वीडियो कॉन्फ्रेंसिंग के जरिए बैठक की। इसी बैठक में प्रतियोगिताओं की तैयारी के निर्देश दिए गए।

GAMES AND SPORTS



Games and Sports are essential for both physical and mental development of the students. Moreover, it boosts the immunity of people as it increases the blood flow in the body and makes it adaptable for exertion. The students of P K Roy Memorial College are highly motivated towards games and sports. Time to time they secure medals and prizes at different platforms.

कुंडलिया-छंद

पादपकापोषणकरें, बहुविधिदेंगेछाँव।
अबभीयदिचेतेनहीं, जानलगेगीदाँव।।
जानलगेगीदाँव, धरापरविषबरसेगा,
बूँद - बूँदपानीकोतबजनजनतरसेगा,
कहेविनतदेवेन्द्र, नमारेतुमकोआतप।
कोटिशतकसबलोग, लगाएँइकइकपादप।।
धरतीपरहोअनवरत, प्राणवायुसंचार।
चहुंदिशहरियालीरहे, पक्षीकरेंविहार।।
पक्षीकरेंविहार, पपीहाकोयलचहके,
सुंदरस्वच्छसुगंधित, उपवनमहमहमहके,
कहेविनतदेवेन्द्र, हमारापोषणकरती।
मरुथलबनतीजाय, हाययहप्यारीधरती।।

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