*CEC*News

Happy New Year

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प्रिय पाठकों,

डिजिटल शिक्षा एक ऐसा उपकरण है जिसके द्वारा ज्ञान की शक्ति को हमारे सम्पूर्ण देश में फैलाया जा सकता है। सी.ई.सी. में, हम इस उपकरण का उपयोग करके लिंग और सामाजिक-आर्थिक अवरोधों की सीमाओं के परे सभी के लिए पाठ्यक्रम-आधारित शिक्षा सुनिश्चित करने के लिए सुदृढ़ रूप से कार्यरत हैं।

आज, सी.ई.सी. एशिया में सबसे बड़े डिजिटल शैक्षिक कंटेन्ट कोशों में से एक है। इसमें शैक्षिक कंटेन्ट की एक विस्तृत श्रृंखला है, जिसके निर्माण और प्रसार में तेजी से वृद्धि हुई है। इस डिजिटल शैक्षिक कंटेन्ट की गुणवत्ता को लगातार उन्नत बनाने के लिए, सी.ई.सी. अपने कार्यबल और शिक्षाविदों के लिए नियमित रूप से कार्यशालाओं और क्षमता निर्माण कार्यक्रमों के आयोजन के माध्यम से नवीनतम शिक्षा प्रौद्योगिकी के साथ तालमेल बनाए रखता है। सी.ई.सी., डिजिटल शिक्षा के कार्यान्वयन में शामिल एक महत्वपूर्ण एजेंसी है जो अपने सभी शिक्षार्थियों को समावेशी शिक्षा प्रदान करने और उन्हें अपनी रोजगार क्षमता बढ़ाने के लिए उपयुक्त कौशल प्रदान करने के लिए प्रयासरत है।

सी.ई.सी. विविध विषयों में प्रख्यात विशेषज्ञों और शिक्षाविदों को शामिल करके अधिगम के अनुकूल परिवेश बनाने पर जोर देता है, जिनके लेक्चर ई-कंटेन्ट, मूक्स, डी.टी.एच. उच्च शिक्षा चैनल, यू-ट्यूब आदि जैसे माध्यमों द्वारा सभी के लिए निःशुल्क उपलब्ध हैं। देश भर के शिक्षार्थियों और शिक्षकों की ओपन डिजिटल लर्निंग कोर्सवेयर तक पहुंच सुनिश्चित करना हमारा दृढ़ संकल्प है। हम ज्ञान के अंतिम साधक तक शिक्षा की पहुँच सुनिश्चित करने के उद्देश्य प्राप्ति तक इस दिशा में प्रयासरत रहेंगे।

जय हिन्द!

निदेशक – सी.ई.सी.

Dear Learners,

Digital education is a tool which can spread the power of knowledge amongst one and all across the length and breadth of our nation. We at CEC are earnestly pursuing efforts to ensure curriculum-based learning across the limitations of gender and socio-economic barriers by using this tool.

Today, CEC is one of the largest Digital Educational Content repositories in Asia. It has a wide range of educational content, the production and dissemination of which has risen exponentially. It constantly upgrades the quality of its digital educational content with the latest education technology through workshops and capacity-building programmes for its workforce and academics. CEC, being an important agency involved in Digital Education, strives to provide inclusive education to all its learners and equip them with apt skill sets to increase their employability.

CEC emphasizes on a conducive learning environment by engaging renowned experts and academics across diverse disciplines whose lectures are available to all for free access through modes like e-content, MOOCs, DTH higher education channels, YouTube, etc. It is our ardent determination to further the extent to which learners and teachers across the country have access to open digital learning courseware. This, we intend to pursue until we can proudly claim that we have served education to the last seeker of knowledge.

Jai Hind

Director, CEC

DIGITAL EDUCATION: PUSH TO BRING MORE SUBJECTS TO CULTIVATE HIGHLY SKILLED LEARNERS

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Ecological catastrophe and the rampant digitalized world are two of the epochal moments of the modern world. While the former has raised doubts over the existence of future life on the planet, the latter is yet to be used creatively for the collective benefit of humanity. To combat these two immediate challenges facing human civilization, this short essay advocates the relevance and applicability of liberal arts education and accommodate with digital education frame work. The shift to liberal arts as advocated strongly in the New Education Policy becomes topical in these uncertain times of great upheavals. In a push to bring liberal arts education to the center of our education policy, the government can do wonders to propel the digital education and cultivate the creative imagination of highly skilled learners, who can respond to the lurking threats in times to come.

The future is always shrouded in mystery, an unknown world to which none of us has any access. However, a quick glance at our historical evolution is enough to suggest that no matter how rampantly the world changes, the fundamental life skills of adaptation, critical thinking, creativity, social intelligence, compassion, and effective communication will remain unchanged. As the world advances on the path of rapid progress and digitalization; digital education, these life skills will become more vital than ever before.

Let me illustrate this with two examples – one that

deals with the ongoing ecological crisis while the other illustrates the pitfalls of the digital world. One can consider the movement of the sea as a metaphor for human progress, moving blindly and fiercely, compromising human existence. As the waves withdraw from the shore all forms of artificial creation are lost, demanding further work of creativity from us. This ability to 'recreate' will be the need of the future. This leads us to the question of how does one recreate in a way that is more sustainable and collective co-existence? The pedagogical interplay of different disciplines in the field of liberal arts education becomes useful here. Liberal arts as a discipline infuses different disciplines with humanistic vision; its cross-disciplinary approach is well-suited to show us how to use provisions in ways that are enabling, creative, and sustainable, teaching learners how to adapt and recreate in moments of crisis. One who has learned the art to align different disciplines to solve human problems can certainly more likely to adapt and recreate in moments of chaos. No wonder then, that the NEP's emphasis on liberal arts can also be aligned with the sustainable goal plans. After all, sustainability calls forth our attention to dissipate our compartmentalization of knowledge formation and think through a cross-disciplinary lens. One can only realize the deep vision that the ancient Indian knowledge tradition possessed, which we gave up for the modern education system. In fact, the sense of collective well-being, sahit, is deeply embedded within the Indian knowledge system.

Likewise, this turn to liberal arts education can also enable us to deal with the ever-changing problems of the digital world. As we move from human-centric creativity to AI, our predicaments have only increased. While not questioning the power of digital technology, the purpose of this essay is to make us see through the pitfalls of our growing casual encounters with it. While the rampant use of digital technology has undoubtedly made the world a very small place, the distance between human emotions continues to heighten. This digital togetherness is like a mirage that only leads to isolation, frustration, and distraction if the interpretive skills are not honed. It is therefore no wonder that critical thinking is considered one of the most vital skills by the World Economic Forum. Future jobs will require critical thinking skills, which is intricately tied to liberal arts education. The ability to interpret the gaps and silence shrouding the data analysis rendered by the digital world will be the most sought-after skills in times to come. To cite one example from the Buddhist text, Tattvasamgraha, "तापाच्छेदाच्चनिकषात्सुवर्णमिव पण्डितः। परीक्ष्य भिक्षवो ग्राह्यं मद्वचो न तु गौरवात्", which translates to "After experimenting with my statement in a critically only than it be accepted, and not because I am a great person. Likewise, gold is checked for its purity by certain measures".

Cultivating such skills is the primary task of any liberal arts education. Hence, the pressing concern of humanity remains – how do we make use of our five senses to prevail a common universal sense for sustainable futures? The essay suggests that life skills rendered by liberal arts education can take us on this path. Are we listening? ★

Disclaimer: Views expressed in the article are personal.

A REVOLUTIONARY CHANGE IN THE FIELD OF EDUCATION - DIGITAL EDUCATION

Dr. Sanjai Kumar Srivastava
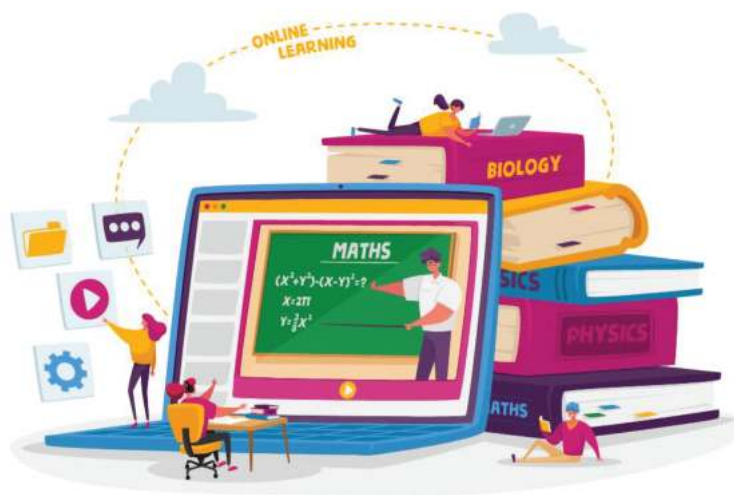Associate Professor
Jaipur National University, Jaipur

Due to the coronavirus pandemic, the education sector was facing a serious crisis. Due to the increasing number of cases of COVID-19, educational institutions started shutting down. In this situation, the focus was on the online education system to keep the education going. However, many challenges have emerged in the operation of the online education system. There is a need to improve these as soon as possible in the present situation.

After independence, due to the revolutionary changes in the field of education, the form of education has taken a modern form from traditional. At present, e-education i.e. online education is becoming very popular. Through online education, teachers sitting far away are teaching children through the internet with the help of online platform apps, Skype, Zoom, YouTube etc. Children can listen and see their teacher through mobile, laptop or computer while sitting freely in their study or bedroom. Educationists who deny the importance of online education have also called digital education as the only option to bring back the disorganized education system in the lockdown due to Corona.

We can call online education the latest form of modern education, in which instead of traveling several miles, a child can join a virtual class with his teacher sitting at home through the internet instead of sitting in front of the black board. Today, along with schools, colleges etc., students preparing for competitive exams are also not able to go to coaching institutes, online education has made their way easier. Now they can prepare for competitive exams with confidence sitting at home. Many degree examinations and their syllabus also run online. This medium of education is also of great benefit to those students who are not able to study abroad. They can directly connect with any renowned education center of the world sitting at home. The credit goes to this medium of education for making our knowledge accessible and at home. It has saved travel expenses and time, as well as there are thousands of options for students to choose from, now they can be connected to the best online classes sitting at home in just one click.

Coaching education of big services like civil service, engineering and medical, law etc. are also being made available online by many institutes today. In today's time, when even leaving the house has become a challenge, online education is a golden option. Not only can it speed up the constrained education system, but the teacher-student experience can be enhanced in a more engaging way.

Challenges of Digital Education

• The online education gives a lot of freedom to the student as compared to the traditional education system. In such a situation, children have to control themselves with their own discretion. The success of teaching depends on whether it is accepted with interest or not. Certainly, this education can become a boon for small children only when the child is trained with the help of the parent.

• It is practically not possible for the teacher to pay attention to each and every child in the digital class. In such a situation, if the children are honestly present in the teaching process and engage in all the activities, only then its purpose can be fulfilled.

• Generally people have this complaint with online education. This class is not able to communicate like a traditional class. The teacher talks only related to his syllabus. In the absence of personal facts, feelings, jokes etc., it is natural for the class to become dull.

• In online class, students have to sit in front of the screen for many hours. Sitting in front of electronic gadgets for such a long time is also not considered good in terms of health. Its side effects can be seen in the form of eye problems and headaches etc.

• Another side effect of this education system is limited communication. Here the students are able to tell their words to the teacher only in a limited way, the teacher also has to take care of all the students, in such a situation they are not able to give full time to everyone.

• Digital education does not mean that teachers write on the blackboard or the medium of lectures is online video. Digital education refers to making classroom teaching more interactive through technology, tools, interactivity, duration, study material and appropriate platforms. The root cause of so many challenges coming in the direction of online education is that at present we lack a proper policy on digital education, infrastructural framework, study material, participation and availability in multiple languages.

Digital education is an enjoyable mode of education for all cadres. It is proving to be a very effective medium especially for children's learning because the original audio-video feature enhances the cognitive elements in the child's mind, awareness, interest in the subject, excitement and a sense of entertainment. They learn faster than the normal. Students view digital learning as a flexible option that allows them to study at their own time and pace. Teachers also have the facility to improve their teaching plans with the help of technology, as well as the inclusion of innovation and new ideas, they are also able to train students more effectively.

Therefore, online approaches to teaching and learning certainly deserve praise, but only when they are set up through appropriate channels, clearly designed to complement, support and enhance face-to-face methods of education. The emphasis should be on being made acceptable as such. Certainly, in this context, there is a need to engage multi-pronged efforts over time in the journey from teacher-classroom based teaching to digital-education.   ★

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शैक्षिक मल्टीमीडिया अनुसंधान केन्द्र जोधपुर के प्रबंधन बोर्ड की १४वीं बैठक (बी.ओ.एम.) आयोजित

जय नारायण व्यास विश्वविद्यालय, जोधपुर के शैक्षिक मल्टीमीडिया अनुसंधान केन्द्र के प्रबंधन बोर्ड की १४वीं बैठक का दिनांक ६ जनवरी २०२३ को सफलतापूर्वक आयोजन किया गया। ई.एम.आर.सी. के निदेशक प्रो. प्रवीण गहलोत ने बताया की प्रबंधन बोर्ड की बैठक की अध्यक्षता विश्वविद्यालय के माननीय कुलपति प्रो. के. एल. श्रीवास्तव ने की। प्रबंधन बोर्ड की बैठक में प्रो. जगत भूषण नड्डा, निदेशक, सी.ई.सी., नई दिल्ली के मद्रास विश्वविद्यालय के कुलपति एस. गौरी, राजस्थान आई.एल.डी. कौशल विश्वविद्यालय जयपुर के पूर्व निदेशक प्रो. अशोक के. नागावत, शैक्षिक संचार संकाय, नई दिल्ली के सलाहकार (वित्त एवं प्रशासन) श्री के. एस. महाजन, जय नारायण व्यास विश्वविद्यालय की कुलसचिव श्रीमती गोमती शर्मा एवं वित नियंत्रक श्री मंगलाराम विश्नोई उपस्थित रहे।

ई.एम.आर.सी. के निदेशक प्रो. गहलोत ने बताया की प्रबंधन बोर्ड की बैठक में केन्द्र द्वारा वर्ष २०२१-२२ में किए गए शैक्षणिक, सह-शैक्षणिक, वार्षिक लेखा-जोखा, आगामी बजट तथा प्रबंधन बोर्ड की १३वीं बैठक की एक्शन-टेकन रिपोर्ट का ब्यौरा प्रस्तुत किया गया। माननीय कुलपति ने केन्द्र के वार्षिक प्रतिवेदन में १०० प्रतिशत कार्य सम्पादन करने पर खुशी जाहिर की। प्रो. जगत भूषण नड्डा, निदेशक, सी.ई.सी. ने फिल्म निर्माण में प्रयुक्त एडिटिंग मशीन का नियमानुसार खरीद करने, मूक्स कोर्स हेतु कार्यशाला आयोजन करने, केन्द्र में राष्ट्रीय एवं राज्य सरकार द्वारा समय पर आयोजित फ्लेगशिप कार्यक्रम का आयोजन सफलतापूर्वक करने की सराहना की। प्रबंधन बोर्ड के सदस्यों ने आगामी बजट में सौर-ऊर्जा उपकरण लगाकर प्राकृतिक सम्पदा से विद्युत निर्माण कर ई.एम.आर.सी. केन्द्र को विद्युत बिल से राहत दिलाने व पर्यावरण संरक्षण के क्षेत्र में नवीनतम पहल करने के निर्णय को स्वागत योग्य बताया। प्रबंधन बोर्ड की बैठक के समापन पर निदेशक सदस्य सचिव प्रो. गहलोत ने सभी सदस्यों को बैठक में लिए गए महत्वपूर्ण निर्णयों एवं सुझाव पर धन्यवाद दिया एवं आभार व्यक्त किया गया।

Educational Multimedia Research Center, Jodhpur organizes its 14th BoM meeting

Educational Multimedia Research Center of Jai Narain Vyas University, Jodhpur successfully organized its 14th Board of Management meeting on 6th January 2023. Prof. Praveen Gehlot, Director, EMRC said that the Board of Management (BoM) meeting was led by Prof. K.L. Srivastava, Honorable Vice-Chancellor of the University. In the BoM meeting, Prof. Jagat Bhushan Nadda, Director, CEC, New Delhi, Prof. S. Gowri, Vice Chancellor, University of Madras, Prof. Ashok's. Nagavat, Former Director, Rajasthan I.L.D. Skills University, Jaipur, Mr. K.S. Mahajan, Consultant (Finance & Administration), Consortium for Educational Communication, New Delhi, Mrs. Gomati Sharma, Registrar, Jai Narain Vyas University and Mr. Mangalaram Vishnoi, Finance Controller, Jai Narain Vyas University were present.

Prof. Gehlot, Director, EMRC shared that details of academic, co-academic, annual accounts for the year 2021-22, upcoming budget and detail of action-taken report of the 13th BoM meeting were presented by the Center during the BoM meeting. The Honorable Vice-Chancellor expressed happiness over 100 percent completion of work in the annual report of the Centre. Prof. Jagat Bhushan Nadda, Director, C.E.C. appreciated the purchase of editing machines used in film production as per rules, organizing workshops for MOOCs courses, successfully organizing flagship programs organized by the national and state governments at the center on time. The members of the BoM have made plans for EMRC by installing solar energy equipment and generating electricity from natural resources in the upcoming budget. The decision was welcomed to give relief from the electricity bill to the Center and to take the latest initiative in the field of environmental protection. Concluding the BoM meeting, Prof. Gehlot, Director Member Secretary expressed his gratitude and thanked to all the members for the important decisions and suggestions taken in the meeting.

Pof. J.B. Nadda, Director, CEC (third from left) and other members at 14th BoM Meeting @ EMRC, Jodhpur
ई.एम.आर.सी., जोधपुर की १४वीं बी.ओ.एम. बैठक में प्रो. जे. बी. नड्डा, निदेशक, सीईसी (बाएँ से तीसरे स्थान पर) एवं अन्य सदस्य

कोर्स समन्वयक और विषय-वस्तु विशेषज्ञों के लिए स्वयं मूक्स इंडक्शन प्रोग्राम

ई.एम.आर.सी., चेन्नई को स्वयं मूक्स की कुछ परियोजनाओं अर्थात् "अर्बन लोकल गवर्नेंस" और "पब्लिक फाइनेंशियल एडमिनिस्ट्रेशन" की स्वीकृति दी गई, जिन्हें इस शैक्षणिक वर्ष (जुलाई २०२३) में निर्मित और लॉन्च किया जाएगा। इस संबंध में डॉ. एस. अरुल चेलवन, निदेशक, ई.एम.आर.सी.-चेन्नई द्वारा ई.एम.आर.सी. स्टूडियो, अन्ना विश्वविद्यालय, चेन्नई में १२ जनवरी २०२३ को कोर्स समन्वयक (सी.सी.) और विषय-वस्तु विशेषज्ञों (एस.एम.ई.) के लिए इंडक्शन प्रोग्राम आयोजित किया गया। इस इंडक्शन प्रोग्राम का उद्देश्य स्वयं मूक्स के दिशा-निर्देशों, जिनका अनुसरण सी.सी. और एस.एम.ई. दोनों द्वारा किया जाना चाहिए, के बारे में जागरूकता फैलाना था। श्रीमती सुथंथीरा देवी, व्यवसायिक सहायक (पुस्तकालय), ई.एम.आर.सी., चेन्नई ने सभा का स्वागत किया। डॉ. एस. अरुल चेल्वन, निदेशक, ई.एम.आर.सी., चेन्नई ने पाठ्यक्रम समन्वयक डॉ. एन. अंशुमन, लोक प्रशासन विभागाध्यक्ष, मद्रास क्रिश्चियन कॉलेज, चेन्नई को सी.ई.सी. द्वारा स्वीकृत दो प्रस्ताव प्राप्त करने के लिए सम्मानित किया। उन्होंने कोर्स समन्वयक और विषय-वस्तु विशेषज्ञों दोनों की भूमिकाओं और जिम्मेदारियों पर चर्चा की। उन्होंने निर्माण अवधि के दौरान पालन किए जाने वाले कई महत्वपूर्ण बिंदुओं पर भी बल दिया। श्री एम. वी. वेंकटेश, ग्राफिक आर्टिस्ट, ई.एम.आर.सी., चेन्नई ने निर्माण अवधि के लिए पावर प्वाइंट प्रेजेंटेशन तैयार करने के लिए प्रोटोकॉल के बारे में अपने विचार व्यक्त किए। उन्होंने सभा को संबोधित करते हुए, रिफ्लेक्शन स्पॉट, फॉन्ट साइज़, पी.पी.टी. में टेक्स्ट कलर, कंटेंट की तत्काल डिलीवरी, अच्छी क्वालिटी वाली इमेज का उपयोग और उनके कॉपी राइट आदि के कार्यान्वयन संबंधित जानकारी साझा की।

उनके बाद, श्री डी. विनोथ राजेश, प्रोडक्शन असिस्टेंट, ई.एम.आर.सी., चेन्नई ने "ऑन स्क्रीन" प्रेजेंटेशन के दौरान "क्या करें और क्या न करें" पर चर्चा की। उन्होंने अपने संबोधन में स्टूडियो प्रोटोकॉल और नवीन शिक्षण तकनीकों के कार्यान्वयन, कंटेंट/एनिमेशन की साहित्यिक चोरी, बॉडी लैंग्वेज, विशेषज्ञ के ड्रेस कोड आदि के बारे में बताया। सभी प्रतिभागियों ने निदेशक, ई.एम.आर.सी., चेन्नई के साथ चर्चा मंच में भाग लेकर अपनी सक्रिय भागीदारी दिखाई। उनके संबोधन के बाद, डॉ. धमोधरन उमापति, अकादमिक समन्वयक ने धन्यवाद ज्ञापन किया। स्वयं मूक्स इंडक्शन प्रोग्राम सफलतापूर्वक पूर्ण हुआ। अतः इस इंडक्शन प्रोग्राम द्वारा सी.सी. और एस.एम.ई. तथा सी.ई.सी. और ई.एम.आर.सी., चेन्नई के कार्यकलापों के सम्बन्ध में सभी का ज्ञानवर्धन हुआ।

SWAYAM–MOOCs Induction Programme for the Course Coordinator and Subject Matter Experts

"EMRC, Chennai has been sanctioned with a couple of SWAYAM MOOC's projects namely "Urban Local Governance" and "Public Financial Administration", which will be produced and launched in this academic year (July 2023). In this connection, an Induction Program was organised to the course coordinator (CC) and the Subject Matter Experts (SME's) by Dr.S.Arulchelvan, Director, EMRC-Chennai on 12th of January 2023 at EMRC Studio, Anna University, Chennai. The objective of this induction program was to spread the awareness on the SWAYAM MOOCs guidelines which must be adhered by both CCs and SME's during the MOOCs production. Mrs.Suthanthira Devi, Professional Assistant (Library), EMRC-Chennai welcomed the gatherings. Dr.S. Arulchelvan, Director, EMRC-Chennai felicitated the course coordinator Dr.N.Ansuman, Head-Department of Public Administration, Madras Christian College, Chennai for receiving her two proposals sanctioned from CEC. He explained about the roles and responsibilities of both course coordinator and the Subject Matter Experts. He also emphasized on many vital points to be followed during production period. Mr. M.V.Venkatesh, Graphic Artist, EMRC-Chennai delivered his talk about the protocol for preparing the power point presentation towards production time. In his lecture he highlighted the gatherings on the implementation of reflection spots, font sizes, text colour in the ppt, extempore delivery of content, usage of good quality images and their copy rights etc.

Followed by him, Mr.D.Vinoth Rajesh, Production Assistant, EMRC-Chennai has delivered his lecture on the "Do's and Dont's" during "On screen" presentation. He explained about the studio protocols and implementation of innovative learning techniques during the lecture, plagiarism of the content/animations, body language, dress code of the expert etc. All the participants showed their active involvement by participating in the discussion forum with the Director, EMRC-Chennai. After his address, Dr.Dhamodharan Umapathy, Academic Coordinator, delivered his vote of thanks. Finally, the SWAYAM-MOOCs Induction Programme ended with usual pleasantries. Thus, this induction programme brought more information to the CC and SMEs and on the activities of CEC & EMRC, Chennai.

Subject Expert
Dr. Amit Bhattacharya

Affiliation
Department of Zoology
Ramjas College,
University of Delhi,
North Campus, New Delhi

Title
Karyotyping for Chromosomal Abnormalities - I

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About the Expert

Dr. Amit Bhattacharya is presently working as Associate Professor at Department of Zoology, Ramjas College, University of Delhi, Delhi and has over 15 years of research experience in the field of malaria and parasite biology. He earned his Master's and Doctorate degrees from University of Delhi, Delhi. He also completed a M.Res. degree (in Advance Genomics and Proteomic Sciences) from University of Nottingham, England. He was awarded with Delhi University Faculty Training Scholarship (2012-13) and Academic Prize for obtaining First Position in University Exam in M.Sc (P) Zoology, Delhi University (2003). He has published several research papers in peer-reviewed journals (such as Nucleic Acid Research, Frontiers in Pharmacology, Chemical Biology & Drug Design, American Journal of Tropical Medicine and Hygiene, European Journal of Medicinal Chemistry, etc.). He has written Chapters (Topic: Biology of Parasitism) for e-PG Pathshala, an initiative of the MHRD under its National Mission on Education through ICT (NME-ICT) being executed by the UGC. He regularly delivers live-lectures on important topics of biological sciences (mainly on Biochemistry, Immunology, Medical Diagnostics, and Parasite Biology) at CEC's EDUSAT Network (of University Grants Commission, Govt. of India).
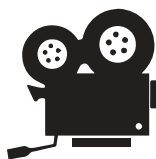
Excerpt from the Lecture

Chromosomes are microscopic structures located inside the nucleus of animal and plant cells and is made-up of protein and deoxyribonucleic acid (DNA). Humans have a total of 46 chromosomes, which includes 22 pairs of autosomes and one pair of sex chromosomes (XX or XY). Special staining techniques are used to evaluate the number and structure of an individual's chromosomes as part of diagnostic and cytogenetic testing. An Idiogram showing the banding patterns of individual chromosomes as revealed by fluorescent and Giemsa staining allows the localization of a specific DNA sequence or an entire chromosome in a cell. The number and/or structure of chromosomes is known to be altered in chromosome abnormalities such as aneuploidy and structural abnormalities such as Duplication, Deletion, Translocation, Inversion, and Insertion. Most well-known example of a chromosomal aneuploidy includes Down's syndrome (trisomy 21), Edward's syndrome (trisomy 18), Patau's syndrome (trisomy 13), Turner syndrome (monosomy X) and Klinefelter syndrome (XXY). Chromosome abnormalities usually occur when there is an error in cell division (non-disjunction of chromosomes). Fluorescence in situ hybridization (FISH) is an advance molecular cytogenetic technique that allows the sub-chromosomal location in a cell using fluorescently labeled probes. These techniques have proved to be powerful tools for determining the precise location of chromosomal abnormalities.

Learning Objectives

- To analyze the chromosome banding techniques of individual chromosomes within a genome.
- To study the benefits of karyotyping and FISH studies in neoplastic diseases and abnormal genotype.
- To understand various chromosomal abnormalities either numerical or structural.

Winner of 23rd UGC–CEC Educational Video Competition

पेड़ कैसे पीते पानी? HOW DO TREES DRINK WATER?

Seema Muralidhara

SYNOPSIS - Trees stand tall. Yet they manage to suck water from the depths of the earth! This fascinating science is used to talk about the unique structure of the water molecule. Its bi-polarity makes it the basis of life!

This video is aimed at communicating text book knowledge in a fun filled and easy-to-understand manner. The endeavour is to help children in villages and towns understand and receive information in an interesting way. It also aims to trigger curiousity and a respect for nature.

Graphic Artist's Profile

Seema Muralidhara is a Science Communicator/Television Director-Producer based in Mumbai. She was awarded the National Award for Science Popularisation (NCSTC) in 2006. She has won eminent awards like the Bronze Tree at Vatavaran, Gold & Silver Beaver at Rashtriya Vigyan Chalchitra Mela, Best Science Video at International Science Film Festival (ISFF) & Best Series for three consecutive years at the Children's Science Video Festival, NCERT.

Her works include: Wise Spice, Spices of India (13 episodes for Vigyan Prasar), Khudbud, Science Game Show (52 episodes) Vigyan Prasar, Aisa Hi Hota Hai (43 episodes) Vigyan Prasar-DECU ISRO, Planet Earth, Vigyan Prasar (07 episodes), Tarron Ki Sair, Birth & Life of Stars, Vigyan Prasar, Chust Durust Show, Health Magazine for Women Zee TV (52 episodes), Hum Zameen, ZEE TV (70 weekly episodes), Teer Kamaan, Zee TV (52 episodes), Nobody Lies in a Temple, the story of Ralegan Siddhi (PSBT), Insight (News and Current Affairs Magazine) Zee TV (05 episodes).

❦ AWARDED ❦

CATEGORY

BEST GRAPHIC/ANIMATION/ SPECIAL EFFECTS

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List of Courses for Jan.-June 2023 Semester

S. No.	Degree Prog.	Subject	Level of the Course	Course Title	Course Coordinator	Start date	End date	Host university	No of Credits
1	B. Sc. Psychology	Abnormal Psychology	UG	Abnormal Psychology	Dr. Padmaja Gadiraju	23.01.2023	30.04.2023	EFL University, Hyderabad	6
2	Any Discipline	Law, Humanities & Social Science	PG	Access to Justice	Dr. Bharti Yadav	02.01.2023	30.04.2023	National Law University, Delhi	4
3	B.A.	Public Administration	UG	Administration Theory	Dr. K. Lakshman	30.01.2023	25.04.2023	Osmania University, Hyderabad	4
4	B.A.	Public Administration	UG	Administrative Law	Dr. Deepak Kumar Chauhan	31.01.2023	30.04.2023	Central University of Punjab, Bathinda	4
5	L.L.M.	Law	PG	Advanced Constitutional Law	Prof. (Dr.) Anupama Goel	09.01.2023	30.04.2023	National Law University, Delhi	4
6	B.A./B.Sc./B.Com.	Geography	UG	Agricultural Geography	Dr V Krishna Kumar	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
7	B.Sc.	Zoology	UG	Animal Biotechnology	Dr. Jayasree S.	16.01.2023	17.04.2023	University of Calicut (Kerala)	4
8	M.Sc.	Computer Science	PG	Animations	Dr. Abhishek Kumar & Dr. Achintya Singhal	31.01.2023	30.04.2023	Banaras Hindu University, Varanasi	4
9	B.SC. Honors	Anthropology	UG	Anthropology Human Genetics	Dr. Manzoor A. Mir	16.01.2023	08.04.2023	University of Kashmir, Srinagar	4
10	B.A./B.Sc./B.Com.	Sericulture	UG	Applied Entomology	Dr. Sannappa B.	09.01.2023	30.04.2023	University of Mysore, Mysuru	4
11	B.Sc.	Computer Science	UG	Art of C Programming	Dr. Lajish V. L.	16.01.2023	20.03.2023	University of Calicut, Kerala	4
12	B.B.A.	Management	UG	Basics of Digital Marketing	Dr. Shilpa Bagdare	26.01.2023	30.04.2023	Devi Ahilya Viswavidyalaya, Indore	4
13	B.A./M.A.	Hindi	UG	Bhasha Proudyogiki ka Parichay	Dr. C. Jaya Sankar Babu	16.01.2023	30.04.2023	Pondicherry University, Pondicherry	5
14	M.Sc.	Biochemistry	PG	Biomolecules: Structure, Function in Health and Disease	Dr. Ashok Sharma	09.01.2023	17.04.2023	All India Institute of Medical Sciences, New Delhi	4
15	M.Sc.	Bio Technology	PG	Biostatistics and Mathematical Biology	Dr. Felix Bast	31.01.2023	30.04.2023	Central University of Punjab, Bathinda	4
16	B.B.A./B.Com	Management	UG	Business Planning & Project Management	Dr. Ravi Ahuja	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	4
17	B. Sc.	Biochemistry	UG	Cell Biology	Dr. K. Sanataombi	23.01.2023	02.04.2023	Manipur University, Imphal	4
18	M. Planning	Planning	PG	City & Metropolitan Planning	Prof. (Dr.) Sanjukkta Bhaduri	09.01.2023	30.04.2023	School of Planning and Architecture, New Delhi	4
19	B.C.A.	Commerce	UG	Communication and Business Correspondence	Bageshree Deo	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	3
20	M.A.	Education	PG	Communication Technologies in Education	Dr. Dhaneswar Harichandan	02.01.2023	30.04.2023	University of Mumbai, Mumbai	4
21	B.Sc.	Generic	UG	Computer Networks	Dr. Narayan Patidar	26.01.2023	30.04.2023	Devi Ahilya Viswavidyalaya, Indore	3
22	B.Sc. Chemistry	Chemistry	UG	Coordination Chemistry, States of Matter and Chemical Kinetics	Dr. R. N. Jadeja	16.01.2023	09.04.2023	The M. S. University of Baroda, Vadodara	4
23	L.L.M.	Law	PG	Corporate Law	Prof. (Dr.) Harpreet Kaur	08.01.2023	30.04.2023	National Law University, Delhi	4
24	B.Com.	Commerce	UG	Corporate Law UG	Dr. Heena Basharat	16.01.2023	08.04.2023	University of Kashmir, Srinagar	4
25	B.A.	Psychology	UG	Counseling Psychology .	Dr. Pallavi Kasande	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	4
26	M.A.	Psychology	PG	Counseling Psychology PG	Dr. Mamta Sharma	31.01.2023	30.04.2023	Punjabi University, Patiala	4
27	B.Sc./B.Com.	Computer Science	UG	Course in Information Technology	Bageshree Deo	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	3
28	M.A.	Fine Arts	PG	Creative Painting	Dr. Alka Chaddha	31.01.2023	30.04.2023	Dayalbagh Educational Institute, Agra	4
29	L.L.M.	Law	PG	Criminal Justice Administration	Dr. Neeraj Tiwari	16.01.2023	31.05.2023	National Law University, Delhi	4
30	L.L.B.	Forensic Sciecnce	UG	Criminalistics	Prof. Debaish Bose	16.01.2023	06.03.2023	Dr. Harisingh Gour Vishwavidyalaya, Sagar	2
31	B.A.	Public Administration	UG	Cyber Crime Administration	Adv. Jayashree Nangare	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	4
32	M.Sc.	Computer Science	PG	Cyber Security	G. Padmavathi	18.01.2023	30.04.2023	Avinashilingam Institute for Home Sc. & Hr. Edu. for Women, Coimbatore	4
33	B.Sc./B.Com.	Computer Science	UG	Data Base Management Systems	Dr. K. Arul Deepa	23.01.2023	30.04.2023	Anna University, Chennai (Tamil Nadu)	4
34	B.Sc.	Computer Science	UG	Data Mining	Mr. L. Abraham David	18.01.2023	09.04.2023	M.K. University, Madurai (Tamil Nadu)	4
35	B.Sc./B.Com.	Computer Science	UG	Data Structures	Dr. J. Indumathi	09.01.2023	30.04.2023	Anna University, Chennai (Tamil Nadu)	4
36	B.A./B.Sc./B.Com.	Statistics	UG	Descriptive Statistics	Prof. Vidhya Raju	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
37	B.Sc./B.Com.	Electronics	UG	Digital Electronics and Microprocessor	Dr. Sumeet Gupta	23.01.2023	30.04.2023	Shri Mata Vaisho Devi University, Katra (J&K)	2

List of Courses for Jan.-June 2023 Semester

S. No.	Degree Prog.	Subject	Level of the Course	Course Title	Course Coordinator	Start date	End date	Host university	No of Credits
38	M.A.	Humanities And Social Sciences	PG	Digital Library	Dr. Jagdish Arora	23.01.2023	30.04.2023	Central University of Himachal Pradesh, Dharamsala (H.P.)	5
39	B.Com./M.Com./M.B.A.	Commerce/ Management	PG	Digital Marketing	Dr. Tejinderpal Singh	31.01.2023	30.04.2023	Panjab University, Chandigarh (Punjab)	4
40	B.Com./M.Com./M.B.A.	Commerce/ Management	PG	Direct Tax Laws And Practice	Subhrangshu Sekhar Sarkar	01.01.2023	30.04.2023	Tezpur University, Tezpur (Assam)	4
41	B.Sc.	Mathematics	UG	Discrete Mathematics	Dr. Minirani S.	16.01.2023	10.04.2023	University of Calicut (Kerala)	2
42	B.Com.	Commerce	UG	E-Commerce	Prof. (Dr.) Karunesh Saxena	09.01.2023	30.04.2023	Mohanlal Sukhadia University, Udaipur	4
43	All Discipline	Education	UG/PG	Early Childhood Care & Education	K. Arockia Maraichelvi	09.01.2023	30.04.2023	Avinashilingam Institute for Home Sc. & Hr. Edu. for Women, Coimbatore	4
44	B.Sc.	Geology	UG	Earth System Science	M. S. Sisodia	09.01.2023	30.04.2023	J.N.V. University, Jodhpur	4
45	Multi Displinary	Education	PG	E-Assessment	Dr. C. Karthik Deepa	18.01.2023	30.04.2023	Avinashilingam Institute for Home Sc. & Hr. Edu. for Women, Coimbatore	4
46	B.A./ Any Degree	Philosophy	UG	Ecology and Environmental Ethics– Problems and Perspectives	Dr. M. Ramakrishnan	16.01.2023	05.04.2023	University of Calicut (Kerala)	4
47	B.A.	Education	UG	Educational Technology	Dr. Naziya Hasan	23.01.2023	19.03.2023	Manipur University, Imphal (Manipur)	3
48	B.A.	History	UG	Emergence of Early Historic India (300BCE-750CE)	Shouvik Mukhopadhyay	02.01.2023	26.03.2023	St. Xavier's College, Kolkata (W.B.)	4
49	B.A.	Communication	UG	Environmental Communication	Dr. Muhamadali N.	16.01.2023	17.04.2023	University of Calicut (Kerala)	4
50	B.A./B.Sc./B.com	Economics	UG	Environmental Economics	Prof. Ravindra Kumar	09.01.2023	20.05.2023	University of Mysore, Mysuru (Karnataka)	4
51	L.L.B.	Environmental Law	UG	Environmental Law	Dr. Bharti	09.01.2023	22.04.2023	National Law University, (Delhi)	4
52	B.Sc.	Foods and Nutrition	UG	Family and Community Nutrition	Dr. Vipparti Vijaya Lakshmi	24.02.2023	30.04.2023	EFL University, Hyderabad (Telangana)	3
53	B.B.A./B.Com.	Management	UG	Finance for Non-Finance	Dr. Jayant Oke	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	4
54	B.A.	Physical Education	UG	Fitness Management	Dr. M. Chourjit	23.01.2023	19.03.2023	Manipur University, Imphal (Manipur)	3
55	M.A.	Food Technology	PG	Food Microbiology and Food Safety	Dr. Tejpal Dhewa	31.01.2023	30.04.2023	Central University of Haryana, Mahendergarh	4
56	M.Sc.	Nutrition	PG	Functional Foods and Nutraceuticals	Dr. Rekha Sharma	02.01.2023	28.02.2023	Rashtrasant Tukadoji Maharaj Nagpur Univ.	4
57	B.B.A./B.Com	Management	UG	Fundamentals of Banking and Insurance	Dr. Girija Shankar	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	2
58	B.Sc.	Bioinformatics	UG	Fundamentals of Bioinformatics	Dr. Vivek P. J.	16.01.2023	11.04.2023	University of Calicut (Kerala)	4
59	B.B.A./B.Com.	Management	UG	Fundamentals of Financial Management	Dr. Rupali Sheth	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	3
60	B.Com.	Commerce	UG	Fundamentals of Insurance	Dr. K. Uma	18.01.2023	09.04.2023	M.K. University, Madurai (Tamil Nadu)	4
61	B.A.	Political Science	UG	Fundamentals of Rural sociology and Educational Psychology	Dr. Homen Thangjam	23.01.2023	02.04.2023	Manipur University, Imphal (Manipur)	4
62	B.Sc.	Biochemistry	UG	General Microbiology	Dr. Ishwori Laitonjam	23.01.2023	02.04.2023	Manipur University, Imphal (Manipur)	4
63	B.Sc.	Bioinformatics	UG	Genetics and Genomics	Dr. Jos T. Puthur	16.01.2023	05.04.2023	University of Calicut (Kerala)	4
64	B.A./B.Sc./B.Com.	Geography	UG	Geography of India	Prof. A. Balasubramanian	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
65	B.Sc.	Mathematics	UG	Graph Theory	Dr. T. Asir	18.01.2023	09.04.2023	M.K. University, Madurai (Tamil Nadu)	4
66	M.A.	Hindi	PG	Hindi Bhasha ka Udbhav aur Vikas	Dr. Ganga Sahay Meena	02.01.2023	30.04.2023	Jawaharlal Nehru University, (New Delhi)	4
67	M.A.	Hindi	PG	Hindi Gadya Sahitya Katha Sahitya	Prof. Deo Sahankar Navin	09.01.2023	30.04.2023	Jawaharlal Nehru University, (New Delhi)	4
68	B.A.	Hindi	UG	Hindi Sahitya ka Itihaas	Prof. Subhash Chander	31.01.2023	30.04.2023	Kurukshetra University Kurukshetra (Haryana)	4
69	B.SC. Home Sc./B.Sc. Community Sc.	Extension and Communication Management	UG	Home Science- Extension and Communication Management Level- 2	Ms. S. L. Kameswari	30.01.2023	30.04.2023	EFL University, Hyderabad (Telangana)	4
70	B.A./B.Sc./B.Com.	Tourism	UG	Hospitality Industry in Tourism	Prof. H. Rajashekar	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
71	B.A./B.Sc./B.Com.	Genetics	UG	Human Genetics	Prof. N. B. Ramachandra	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
72	B.Sc.	Anthropology	UG	Human Population Genetics	Dr. Manzoor A. Mir	16.01.2023	08.04.2023	University of Kashmir, Srinagar (J&K)	4
73	B.A./B.B.A./B.Com	Management	UG	Human Resource Management	Dr. Prakash Pillai R.	16.01.2023	22.03.2023	University of Calicut (Kerala)	3
74	B.A.	Human Rights	UG	Human Rights Law and Criminal Justice	Dr. N. Pramod Singh	23.01.2023	02.04.2023	Manipur University, Imphal (Manipur)	4

List of Courses for Jan.-June 2023 Semester

S. No.	Degree Prog.	Subject	Level of the Course	Course Title	Course Coordinator	Start date	End date	Host university	No of Credits
75	B.Ed.	Education	UG	ICT Skills in Education	Dr. Ismail Thamarasseri	16.01.2023	17.04.2023	University of Calicut (Kerala)	4
76	B.Sc.	Biochemistry	UG	Immunology	Dr. Reena Haobam	23.01.2023	02.04.2023	Manipur University, Imphal (Manipur)	4
77	Multidisciplinary	Multidisciplinary	UG/PG	Indian Constitution	Prof. Faizan Mustafa	Self Paced		NALSAR University of Law, Hyderabad (Telangana)	Non-Credit
78	M.A.	Sanskrit	PG	Indian Culture & History	Prof. Shiv Shankar Mishra	15.01.2023	30.04.2023	Shri Lal Bahadur Shastri National Sanskrit University, (Delhi)	4
79	B.A.	Economics	UG	Indian Economics- 2	Mahananda Kanjilal	30.01.2023	14.05.2023	St. Xavier's College, Kolkata (W.B.)	4
80	B.A.	Political Science	UG	Indian Political Thought- I	Dr. Jhumpa Mukherjee	23.01.2023	05.05.2023	St. Xavier's College, Kolkata (W.B.)	4
81	B.Sc.	Cyber Security/ Information Security	UG	Information Security and Cyber Forensics	Prof. Pratosh Bansal	26.01.2023	30.04.2023	Devi Ahilya Viswavidyalaya, Indore (M.P.)	4
82	B.A. (Hons.)	Media & Communication	UG	Introduction To Film Studies	Ms. Juhee Prasad	23.01.2023	10.04.2023	Doon University, Dehradun (Uttrakhand)	4
83	B.A.	English	UG	Introduction to Indian Literature in English: Colonialism to Postcolonialism	Dr. Jai Singh	23.01.2023	30.04.2023	EFL University, Hyderabad (Telangana)	5
84	B. Com.	Management	UG	Introduction to Marketing Management- 1	Dr. Nambram Amulkumar	23.01.2023	19.03.2023	Manipur University, Imphal (Manipur)	3
85	B.A.	Psychology	UG	Introduction to Psychology	Dr. Megha Deuskar	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	4
86	M.A.	Public Administration	PG	Introduction to Public Administration	Prof. Ajmer Singh Malik	31.01.2023	30.04.2023	Chaudhary Devi Lal University Sirsa (Haryana)	4
87	B. Sc./M. Sc.	Statistics	PG	Introduction To R	Santu Ghosh	01.01.2023	30.04.2023	University of Calcutta, Kolkata	4
88	B.A.	Sociology	UG	Introduction to Sociology-II	Kasturi Sinha Ghosh	23.01.2023	05.05.2023	St. Xavier's College, Kolkata (W.B.)	4
89	B.A. (Hons.)	Economics	UG	Introductory Econometrics	Dr. Deb Kumar Chakraborty	09.01.2023	30.04.2023	Dibrugarh University, Dibrugarh (Assam)	4
90	B.A./B.Sc./B.Com.	Economics	UG	Introductory Microeconomics	Dr. Reshma Chengappa	09.01.2023	20.05.2023	University of Mysore, Mysuru (Karnataka)	4
91	B.A.	Performing Arts	UG	Junior Course in Kathak	Prof. Amita Dutt	09.01.2023	30.04.2023	St. Xavier's College, Kolkata (W.B.)	4
92	LL.B.	LAW	UG	Law of Banking, Insurance and Consumer Protection in India	Prof. (Dr.) G. B. Reddy	30.01.2023	30.04.2023	EFL University, Hyderabad (Telangana)	4
93	B.Ed.	Spl. Education	UG	Learning, Teaching and Assessment	Dr. G. Victoria Naomi	18.01.2023	12.03.2023	M.K. University, Madurai (Tamil Nadu)	2
94	B.Sc.	Mathematics	UG	Linear Programming	Dr. Aneesh Kumar K.	23.01.2023	19.01.2023	University of Calicut (Kerala)	4
95	B.A./B.B.A.	Economics	UG	Macroeconomics	Dr. Vishakha Kutumble	26.01.2023	30.04.2023	Devi Ahilya Viswavidyalaya, Indore (M.P.)	4
96	B.Com.	DSEII: Management Accounting	UG	Management Accounting	Dr. Deepak Raste	23.01.2023	30.04.2023	Gujarat University, Ahmedabad (Gujarat)	4
97	B.B.A.	Entrepreneurship Development	UG	Management: Entrepreneur Development	Dr. Nilam Panchal	23.01.2023	30.04.2023	Gujarat University, Ahmedabad (Gujarat)	4
98	M.Sc./M.A.	Economics	PG	Mathematical Economics	Ms. Sikha Ahmad	16.01.2023	30.04.2023	Doon University, Dehradun (Uttrakhand)	4
99	B.Sc.	Mathematics	UG	Metric Spaces and Complex Analysis	Dr. Ajitha V.	10.01.2023	30.04.2023	University of Calicut (Kerala)	4
100	B.A.	English	UG	Modern European Drama	Dr. C. G. Shyamala	16.01.2023	05.04.2023	University of Calicut (Kerala)	4
101	B.A.	English	UG	Nature of language	Dr. Shiva Durga	25.01.2023	05.03.2023	M.K. University, Madurai (Tamil Nadu)	2
102	B.B.A./B.Com.	Public Administration	UG	Negotiation and Conflict Management	Dr. Sachin Surve	30.01.2023	30.04.2023	Savitribai Phule Pune University, Pune	2
103	M.Sc.	Mathematics	PG	Numerical Analysis	Dr. Madhumangal Pal	11.01.2023	30.04.2023	University of Calcutta, Kolkata	4
104	B.Sc.	Mathematics	UG	Numerical Methods	Mansoor P.	16.01.2023	15.04.2023	University of Calicut (Kerala)	4
105	B.Sc.	Biochemistry	UG	Nutritional and Clinical Biochemistry	Dr. Senjam Sunil Singh	23.01.2023	02.04.2023	Manipur University, Imphal (Manipur)	4
106	M.Sc.	Mathematics	PG	Operations Research	Prof. Bibhas Chandra Giri	16.01.2023	30.04.2023	University of Calcutta, Kolkata (W.B.)	4
107	M.Sc.	Chemistry	PG	Organic Chemistry- 1	B. S. Balaji	23.01.2023	30.04.2023	Jawaharlal Nehru University, (New Delhi)	4
108	B.Sc.	Chemistry	UG	Basic Organic Chemistry	B. S. Balaji	23.01.2023	30.04.2023	Jawaharlal Nehru University, (New Delhi)	4
109	B.A./B.Sc. and Under Graduate	Zoology	UG	Organic Farming Practices and Certification	Prof. Shweta Yadav	16.01.2023	06.03.2023	Dr. Harisingh Gour Vishwavidyalaya, Sagar	2
110	M.B.A.	Management	PG	Organisation Behaviour	Prof. (Dr.) Vishal Kumar	31.01.2023	30.04.2023	Panjab University, Chandigarh (Punjab)	4
111	M.A.	Performing Arts	PG	Performing Arts & Allied Subjects	Dr. Yogesh Gambhir	31.01.2023	30.04.2023	Punjabi University, Patiala (Punjab)	3

List of Courses for Jan.-June 2023 Semester

S. No.	Degree Prog.	Subject	Level of the Course	Course Title	Course Coordinator	Start date	End date	Host university	No of Credits
112	B.A./B.Sc../B.Com.	Geography	UG	Physical Geography- Climatology and Oceanography	Dr. Arun Das	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
113	B.A. (Hons.)	Economics	UG	Political Economy- II	Dr. Samrat Roy	23.01.2023	05.05.2023	St. Xavier's College, Kolkata (W.B.)	4
114	B.Sc.	Home Science	UG	Preschool Administration and Management	Mrs. V. Kavitha Kiran	06.02.2023	30.04.2023	EFL University, Hyderabad (Telangana)	3
115	B.A./B.Sc./B.com.	Genetics	UG	Principles of Genetics	Prof. N. B. Ramachandra	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
116	M.Sc./M.A.	Journalism	PG	Print and Broadcast Journalism	Dr. Neeta Khandelwal	23.01.2023	30.04.2023	SDA University, Ahmedabad (Gujarat)	4
117	B.A./B.Sc./B.Com.	Statistics	UG	Probability and Probability Distributions	Prof. P. Nagesh	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
118	B.Sc.	Computer Science	UG	Problem Solving Aspects and Python Programming	Dr. S. Malliga	18.01.2023	09.04.2023	M.K. University, Madurai (Tamil Nadu)	4
119	B.A.	German	UG	Proficiency Course in German	Mr. Nishant K. Narayanan	30.01.2023	30.04.2023	EFL University, Hyderabad (Telangana)	4
120	B.Sc. (Hons.)	Computer Science	UG	Programming in Python	Dr. Rizwan Rehman	23.01.2023	16.04.2023	Dibrugarh University, Dibrugarh (Assam)	4
121	B.Ed.	Education	UG	Psychology of Development and Learning	Dr. A. Hameed	16.01.2023	13.04.2023	University of Calicut (Kerala)	4
122	B.A. Hons. Psychology	Humanities and Social Sciences	UG	Psychology of Individual Differences	Dr. Manzoor Ahmad Rather	16.01.2023	25.03.2023	University of Kashmir, Srinagar (J&K)	4
123	B.A.	Public Administration	UG	Public Policy & Governance	Dr. A. Sridhar Raj	16.01.2023	30.04.2023	Osmania University, Hyderabad (Telangana)	4
124	B.Sc.	Mathematics	UG	Real Analysis	Dr. Surajit Borkotokey	23.04.2023	16.04.2023	Dibrugarh University, Dibrugarh (Assam)	6
125	M.A.	Research Methodology	UG/ PG	Research Methodology	Prof. G. S. Bajpai	31.01.2023	30.04.2023	RMNUL, Patiala (Punjab)	4
126	B.A./B.Sc./B.Com.	Geography	UG	Resources and Environment	Dr. V. Krishna Kumar	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
127	B.B.A.	Management	UG	Retail and Channel Management	Dr. Yamini Karmarkar and Dr. Geeta Nema	26.01.2023	30.04.2023	Devi Ahilya Viswavidyalaya, Indore (M.P.)	4
128	B.Sc.	Mathematics	UG	Riemann Integration and Series of Functions	Sanjay P. K.	16.01.2023	12.04.2023	University of Calicut (Kerala)	4
129	All	Education	UG/PG	School Counselling	Ramya Bhaskar	09.01.2023	30.04.2023	Avinashilingam Institute for Home Sc. & Hr. Edu. for Women, Coimbatore	4
130	B.Ed.	Education	UG	School Organization: Administration & Management	Dr. Minila. K. George	16.01.2023	12.04.2023	University of Calicut (Kerala)	4
131	B.A./B.Sc./B.com	Sericulture	UG	Silkworm Rearing and Reeling Technology	Dr. Divya	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
132	B.A.	Sociology	UG	Social Psychology	Dr. Sobhana Mishra	18.01.2023	09.04.2023	M.K. University, Madurai (Tamil Nadu)	4
133	M.A.	Interdisciplinary	PG	Society and Media	Dr. Durgesh Tripathi	07.01.2023	30.04.2023	Guru Gobind Singh Indraprastha University, New Delhi	4
134	B.A./B.Sc./B.com.	Sociology	UG	Sociology of Education	Dr. Jonas Richard A.	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
135	B.A. (Hons.)	Sociology	UG	Sociology of Gender	Dr. Jasleen Kewlani	31.01.2023	30.04.2023	Rajiv Gandhi National Law University, Patiala, (Punjab)	4
136	B.A.	B.A. (Hons.) Sociology	UG	Sociology of Media	Dr. Ipsita Barat	23.01.2023	07.05.2023	St. Xavier's College, Kolkata (W.B.)	4
137	B.A.	Psychology	UG	Statistical Methods for Psychological Research- I	Dr. Jitendra Kumar Kushwaha	23.01.2023	16.04.2023	Manipur University, Imphal (Manipur)	6
138	B.Sc.	Home Science	UG	Textiles & Quality Analysis	Dr. A. Sarada Devi	09.01.2023	30.04.2023	EFL University, Hyderabad (Telangana)	5
139	B.A./B.Sc./B.Com.	Biological Sciences & Bioengineering	UG	Virology	Dr. K. R. Maruthi	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
140	M.Sc./M.A.	Earth Sciences	PG	Water Resources and Watershed Management	Dr. Harish Gupta	09.01.2023	30.04.2023	Osmania University, Hyderabad (Telangana)	4
141	B.A./B.Sc./B.Com.	Zoology	UG	Wild Life and its Conservation	Dr. S. Basavarajappa	09.01.2023	30.04.2023	University of Mysore, Mysuru (Karnataka)	4
142	B.A.	Political Science	UG	Women, Power and Politics	Ningombam Shreema Devi	23.01.2023	02.04.2023	Manipur University, Imphal (Manipur)	4
143	B.A.	Psychology	UG	Youth, Gender and Identity	Dr. Naziya Hasan	23.01.2023	16.04.2023	Manipur University, Imphal (Manipur)	4
144	M.Sc.	Geology	PG	Metamorphic Petrology and Thermodynamics	Prof. Harel Thomas	23.01.2023	16.04.2023	Dr. Harisingh Gour Vishwavidyalaya, Sagar	4

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UGC INDIA ✓ @ugc_india · 17 Jan

विश्वविद्यालय अनुदान आयोग (UGC) ने भारत में विदेशी उच्च शिक्षण संस्थानों के कैंपसों (FHEIs) की स्थापना को लेकर चल रही कवायद में टिप्पणियां, सुझाव और प्रतिक्रिया जमा करने की अंतिम तिथि को बढ़ाकर तीन फरवरी, 2023 करने की घोषणा की है।
सौजन्य: अमर उजाला।

देश में विदेशी यूनिवर्सिटीज के कैंपस खोलने की तैयारी

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विदेशी विश्वविद्यालयों के भारतीय कैंपस खोलने के संबंध में सुझाव अब तीन फरवरी तक दे सकेंगे।

Ministry of Education ✓ @EduMinOfIndia · 17h

He said that India has the responsibility to give a peaceful & progressive pathway to the world and highlighted #NEP2020 which has many linkages toward fulfilling Indian and global aspirations.

ALAGAPPA

Dharmendra Pradhan ✓ @dpradhanbjp · 21 Jan

India's youth is confident, driven by purpose and has a great vision for our country.

Loved the spontaneous interactions with students of @AvinashilingamW today afternoon. For our #NariShakti and our #AmritGeneration, sky is the limit.

Mamidala Jagadesh Kumar @mamidala90 · 22 Jan

Abhishek Nair of The Free Press Journal in a detailed interview with me writes: "In the wake of G20, the UGC has launched an initiative called 'University Connect', which aims to create awareness among universities about the summit."
@AbhishekNairrr @fpjindia

G20 can help talks with foreign universities for India campuses: UGC Chairman

FREE PRESS JOURNAL

UGC INDIA ✓ @ugc_india · 20 Jan

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UGC INDIA ✓ @ugc_india · 20 Jan

UGC has developed four MOOCs that will be offered on the SWAYAM platform for the January Semester of 2023. The UGC SWAYAM courses are for both undergraduate (UG) and postgraduate (PG) candidates.
Courtesy: News18.

news18.com
UGC Introduces Four UG, PG Online Courses For January Semester
As per the official notice, three MOOCs are for the revival of India as a Global Centre of Buddhist Culture and Tourism. The fourth MOOC is o...

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Channel Scope – Language & Literature
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Channel Scope – History, Culture & Philosophy
Channel No. – CEC-UGC - 02

Subjects: History, Philosophy, Performing Arts, Rabindra Sangeet, Hindustani Classical Music, Karnataki Sangeet, Fine Arts, Manuscriptology, Painting Applied Art Sculpture, Theatre Arts, Film Studies, Painting Applied Multimedia, Vocational Studies, Buddhist Studies, Comparative Studies of Religion, Jyotish Ganit, Visual Arts, Indian Culture

Channel Name – प्रबोध | Prabodh
Channel Scope – Social & Behavioral Sciences
Channel No. – CEC-UGC - 03

Subjects: Sociology, Anthropology, Social Work Administration, Social Work, Political Science, Public Administration, Psychology, Population Studies, Women Studies

Channel Name – सारस्वत | Saaraswat
Channel Scope – Education and Home Science
Channel No. – CEC-UGC - 04

Subjects: B.A. Education, B. Ed., B. Ed. English, Special Education for Visually Impaired, Elementary Education, Environmental Science, Home Science, Adult Education, Physical Education, Sports & HealthEducation

Channel Name – प्रबंधन | Prabandhan
Channel Scope – Information, Communication and Management Studies Channel No. – CEC-UGC - 05

Subjects: Business Management, Human Resources Management, Management & Marketing of Insurance, Marketing Management & Retail Business, Bachelor of Business Studies, Office Administration & Secretarial Practice, Tourism, Hindi Journalism, Communication & Journalism, Multimedia Communication, Vocational Studies – Mass Communication, Video Production, Advertising, Library Information Science Management

Channel Name – विधिक | Vidhik
Channel Scope – Law and Legal Studies
Channel No. – CEC-UGC - 06

Subjects: LLB, Criminology, Forensic Science, Human Rights & Duties

Channel Name – कौटिल्य | Kautilya
Channel Scope – Economics and Commerce
Channel No. – CEC-UGC - 07

Subjects: Economics, Business Economics, Commerce, Financial Accounting

Channel Name – आर्यभट्ट | Aryabhatt
Channel Scope – Physical and Earth Sciences
Channel No. – CEC-UGC - 08

Subjects: Mathematics, Statistics, Physics, Geography, Geology, Chemistry

Channel Name – स्पंदन | Spandan
Channel Scope – Life Sciences
Channel No. – CEC-UGC - 09

Subjects: Botany, Zoology, Life Sciences, Microbiology, Bio-Medical Sciences, Bio-Chemistry, Bio-Informatics

Channel Name – दक्ष | Daksh
Channel Scope – Applied Sciences
Channel No. – CEC-UGC - 10

Subjects: Applied Life Science - Sericulture, Applied Physical Sciences - Electronics, Industrial Chemistry, Computer Science, Computer and Networking, Cyber Security/Information Security, Environmental Science, Analytical Chemistry/Instrumentation, Pharmacy, Agriculture, Architecture, Biophysics, Food & Nutrition, Food Technology, Polymer Science

Channel Name - व्यास | Vyas
Channel No. - CEC-UGC – 21

● Art/Culture/Literature/Language   Band - I

English Language, Linguistics, Hindi & other Languages, English Literature, Literature of other Languages, Culture, Architecture, Plastic Arts & Sculpture, Drawing & Decorating Arts, Painting & Fine Arts, Music, Recreational & Performing Arts, Public Performance, Film Appreciation, Dance & Drama, Religion, Customs, Folklore

● Social Science   Band - II

History, Geography, Biography, Genealogy, Insignia (Awards), Archaeology, Museology, Manuscripts & Rare Books, Philosophy, Psychology, Religion, Social Sciences/ Sociology, Anthropology, Political Science, Economics, Public Administration

● Management and Other Professional Courses   Band - III

Management, Marketing, Commerce, Communications, Telecommunication, Tourism, Advertising & Public Relations, New Media Journalism, Publishing, Photography & Photographs, Graphic Arts, Printmaking & Prints, Library &, Information Science, Education, Sports/Physical Education, Women Education, Law, Environment Studies/Management, Home Economics & Family Living

● Natural and Applied Science   Band - IV

Forensic Science & Criminology, Mathematics, Astronomy & Allied Sciences, Physics, Chemistry, Earth Science, Geology, Hydrology, Meteorology, Paleontology/Fossils, Life Science, Biology/Ecology, Genetics/Biotechnology, Microbiology, Botany, Zoology, Medical Science, Health & Nutrition, Diseases, Engineering, Electrical/Mechanical Engineering, Mining & Related Operations, Military & Nautical Engineering, Civil Engineering, Manufacturing Technology, Agriculture, Horticulture, Animal Husbandry/Veterinary Sciences, Sericulture, Aquaculture, Chemical Engineering/Biotechnology, Manufacturing for Specific Uses, Computer Sciences

#Birthdays@February2023

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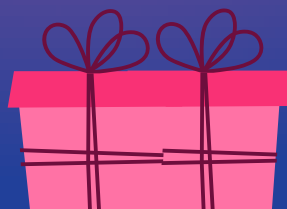D.E.O

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Raunaque Azam
Asstt. Comp. Programer

FEB 10
Dr. Shatruddha
Research Scientist

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Happy Birthday

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