# CECNews

शैक्षिक संचार संकाय

Consortium for Educational Communication (इलेक्ट्रॉनिक मीडिया पर विश्वविद्यालय अनुदान आयोग का एक अंतर-विश्वविद्यालय केन्द्र) (An Inter-University Centre of University Grants Commission on Electronic Media)

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प्रिय पाठकों,

शैक्षिक संचार संकाय (सीईसी) अपनी स्थापना के बाद से ही शिक्षार्थियों को उच्चतम क्षमता वाले डिजिटल शिक्षण संसाधन प्रदान करने की दिशा में ठोस योजना के साथ प्रयासरत है। हम पूरे देशभर में कार्यशालाएं और सेमिनार आयोजन के माध्यम से शिक्षकों को प्रशिक्षित और विकसित करने की अपनी सतत प्रतिबद्धता के साथ कार्य कर रहे हैं। यह सुनिश्चित करता है कि सीईसी से संबद्ध प्रत्येक विशेषज्ञ अपने विषय और शैक्षिक प्रगति के बारे में विशेषज्ञता के साथ ही डिजिटल प्रौद्योगिकियों की अच्छी समझ रखते हैं। शिक्षार्थियों के लाभ के लिए सीईसी से संबद्ध 21 शैक्षिक मल्टीमीडिया अनुसंधान केंद्र (ईएमआरसी) उत्कृष्ट स्तर की शैक्षणिक सामग्री बनाने के लिए सजगता से प्रयासरत हैं, जिसे यूट्यूब चैनल, डीटीएच चैनल, ई-कोर्सवेयर और स्वयं मूक्स कोर्स (एमओओसी) सहित विभिन्न प्लेटफॉर्म के माध्यम से प्राप्त किया जा सकता है।

देश की डिजिटल शैक्षिक प्रगति के तरफ बढ़ते कदमों में सीईसी की भूमिका महत्वपूर्ण रही है। हम स्वयं और स्वयंप्रभा प्लेटफॉर्म के माध्यम से विभिन्न विषयों के स्नातक (यूजी) और स्नातकोत्तर (पीजी) छात्रों के लिए मूक्स पाठ्यक्रम प्रदान कर रहे हैं। साथ ही देशभर के विश्वविद्यालयों के सक्षम संकाय सदस्यों द्वारा सीधा प्रसारित (लाइव) और रिकॉर्डेड व्याख्यान श्रंखला को उच्च शिक्षा के 24\*7 डिजिटल चैनल 'व्यास' पर प्रसारण कर रहे हैं, जिससे शिक्षार्थियों को कहीं भी और कभी भी सीखने की सुविधा प्रदान की जा रही है। पूरे देश के शिक्षार्थियों की भाषायी विविधता को ध्यान में रखते हुए हम कई पाठ्यक्रमों को विभिन्न क्षेत्रीय भाषाओं में अनुवादित कर प्रस्तुत कर रहे हैं। हम विभिन्न भौगोलिक परिस्थितियों वाले छात्रों और शिक्षार्थियों की जरूरतों को ध्यान में रखकर उन्हें एक समावेशी शैक्षणिक वातावरण प्रदान करने को प्रयासरत है।

सीईसी डिजिटल शिक्षा के उद्देश्य को प्रगति के रास्ते पर आगे बढ़ाते हुए दूर-दराज के शिक्षार्थियों को गुणवत्तापूर्ण डिजिटल शैक्षणिक सामग्री पहुंचाने का कार्य जारी रखेगा।

जय हिन्द!

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निदेशक - सी.ई.सी.

Prof. Jagat Bhushan Nadda Director, CEC

### Dear Readers,

Since its founding, CEC has made a concerted effort to offer students the highest calibre digital learning resources. We organise workshops and seminars throughout the nation as part of our diligent commitment to train and develop teachers. This guarantees that every expert working with CEC is knowledgeable about academic advancements across subjects and is well-versed in digital technologies. CEC's 21 Educational Multimedia Research Centres are actively working to create top-notch educational content that can be accessed through various platforms, including YouTube, DTH Channels, e-courseware, and MOOCs, for the benefit of our students.

CEC's role in digital educational advancements in the country has been pivotal. We offer UG and PG Massive Open Online Courses across diverse disciplines through SWAYAM and SWAYAM Prabha. Vyas, our 24X7 DTH Channel for Higher Education streams both, live and recorded lectures facilitated by competent faculty members from universities across India allowing learners to learn anywhere and anytime. Keeping in mind, the diversity of learners from across India, our courses have been translated into several regional languages. We strive to provide an inclusive learning environment regardless of our learners' geographic location bridging the gap between students and learners.

CEC shall continue to provide quality digital educational content to the remotest learners furthering the cause of Digital Education.

Jai Hind!!

TagatBhughankadda

Director, CEC



### DIGITAL EDUCATION: EMPOWERING HIGHER EDUCATION THROUGH BLENDED LEARNING



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n an era defined by rapid technological advancement and evolving educational paradigms, the landscape of higher education is under-

going a profound transformation. Digital education, characterized by the integration of technology into pedagogical approaches, has emerged as a cornerstone in reshaping the way students learn and educators teach. This synergistic approach not only enhances accessibility and flexibility but also enriches the learning experience by catering to diverse learning styles and fostering collaboration and engagement. As we delve into the realm of digital education and explore its potential to empower higher education, it becomes evident that the convergence of technology and pedagogy holds immense promise in equipping learners with the skills and knowledge needed to thrive in an increasingly complex and interconnected world.



Fig 1: Blended Learning (Source: https://www.nshm.com /a-beautiful-rainbow-of-blended-learning/)

Blended learning, the integration of online and in-person instruction, has emerged as a powerful tool for educators seeking to adapt to the demands of the digital age while preserving the value of face-to-face interaction.

Benefits of Blended Learning in Higher Education: Blended learning in higher education offers a plethora of benefits that enhance the overall learning experience and outcomes for students. Here are some key advantages:

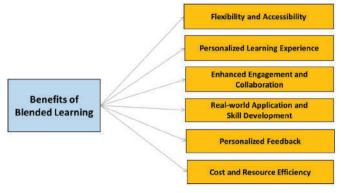


Fig 2: Benefits of Blended Learning

**Flexibility and Accessibility:** Blended learning provides students with the flexibility to access course materials and engage in learning activities at their own pace and convenience. This flexibility is especially beneficial for non-traditional students,

working professionals, and those with diverse learning needs or physical disabilities, allowing them to pursue higher education without geographical or time constraints.

**Personalized Learning Experience:** By integrating online resources, multimedia content, and interactive activities, blended learning caters to individual learning styles and preferences. Students can choose the mode of learning that best suits them, whether it's watching video lectures, participating in online discussions, or engaging in hands-on activities.

**Enhanced Engagement and Collaboration:** Blended learning environments promote active learning through collaborative activities, discussions, and group projects both online and in the classroom. Through online forums, social media platforms, and virtual collaboration tools, students can interact with peers and instructors, share ideas, and collaborate on projects regardless of physical location.

**Real-world Application and Skill Development:** Blended learning often incorporates real-world scenarios, case studies, and interactive simulations that bridge the gap between theory and practice. Students have the opportunity to apply theoretical concepts to practical situations, develop problem-solving skills, and gain hands-on experience using digital tools and technologies relevant to their field of study.

**Data-Driven Insights and Personalized Feedback:** Digital learning platforms and tools often collect data on student progress, engagement, and performance, allowing instructors to track individual student's progress in real-time. This data-driven approach enables instructors to provide timely feedback, identify areas of strength and weakness, and tailor instructional strategies to meet the diverse needs of students.

**Cost and Resource Efficiency:** Blended learning can lead to cost savings for both students and institutions by reducing the need for physical infrastructure, such as classrooms and textbooks, and optimizing the use of educational resources. By leveraging digital technologies, institutions can deliver high-quality educational content to a larger audience at a lower cost, making higher education more accessible and affordable. Challenges of Blended Learning in Higher Education

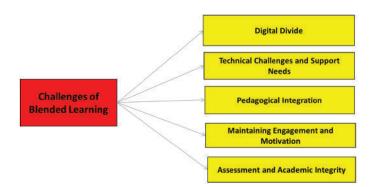


Fig 3: Challenges of Blended Learning

**Digital Divide:** Despite the increasing accessibility of technology, disparities in access to digital resources and internet connectivity persist among student populations. The digital divide can hinder the effectiveness of blended learning initiatives, particularly for students from low-income backgrounds or rural areas who may lack access to reliable internet connections or necessary devices.

**Technical Challenges and Support Needs:** Technical issues such as software compatibility issues, network disruptions, and system glitches can disrupt the learning experience and impede student engagement. Additionally, faculty and staff may require ongoing training and support to effectively integrate technology into their teaching practices.

**Pedagogical Integration:** Successful implementation of blended learning requires careful alignment between pedagogical goals, instructional design, and technological tools. Some educators may struggle to effectively integrate digital resources into their teaching practices or may encounter resistance to change from students accustomed to traditional classroom instruction.

**Maintaining Engagement and Motivation:** While blended learning offers opportunities for interactive and personalized learning experiences, maintaining student engagement and motivation can be challenging, especially in online components where students may feel isolated or disengaged. Designing engaging and interactive online activities, fostering a sense of community through virtual discussions and collaborative projects, and providing timely feedback are essential strategies for mitigating this limitation. Assessment and Academic Integrity: Assessing student learning in blended learning environments poses unique challenges, particularly in ensuring academic integrity and preventing cheating in online assessments. Designing authentic and meaningful assessments that accurately measure student learning outcomes while deterring academic dishonesty requires careful consideration and implementation of assessment strategies, such as proctored exams, alternative assessments, and plagiarism detection tools.

Future Prospects of Blended Learning in Higher Education

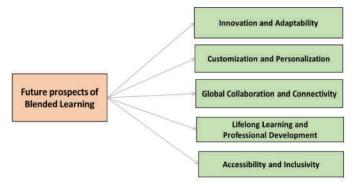


Fig 4: Future Prospects of Blended Learning

**Innovation and Adaptability:** Blended learning offers a flexible and adaptable approach to teaching and learning that can evolve to meet the changing needs and preferences of students and educators. As technology continues to advance, the potential for innovation in blended learning environments is virtually limitless, with opportunities to integrate emerging technologies to enhance learning outcomes and create immersive learning experiences.

**Customization and Personalization:** Blended learning enables personalized learning pathways tailored to individual student needs, preferences, and learning styles. By leveraging data analytics and adaptive learning platforms, educators can customize instruction, provide targeted interventions, and support student success through personalized feedback, remediation, and enrichment activities.

**Global Collaboration and Connectivity:** Blended learning transcends geographical boundaries, allowing students and educators to connect and collaborate with peers and experts from around the world. Virtual classrooms, online forums, and collaborative projects facilitate cross-cultural exchange, interdisciplinary collaboration, and global networking opportu-

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nities, enriching the learning experience and preparing students for success in a globally interconnected society.

Lifelong Learning and Professional Development: Blended learning offers opportunities for educators to engage in continuous professional development, explore innovative teaching strategies, and enhance their pedagogical practices through online courses, webinars, and virtual communities of practice.

Accessibility and Inclusivity: Blended learning has the potential to enhance accessibility and inclusivity in higher education by accommodating diverse learner needs and preferences. Through the use of assistive technologies, captioned videos, and accessible course materials, blended learning environments can remove barriers to learning for students with disabilities and create more inclusive learning environments that celebrate diversity and promote equity.

In conclusion, Blended Learning represents a pivotal shift in the landscape of educational paradigms, signalling a transformative journey towards enhanced learning experiences. Blended learning, with its fusion of traditional classroom methods and digital technology, emerges as a potent tool in the arsenal of higher education institutions, offering unparalleled flexibility, accessibility, and personalized learning pathways.

Moreover, the advent of digital technologies has democratized access to education, levelling the playing field for learners worldwide. Whether through virtual classrooms, collaborative online platforms, or mobile learning applications, students now have the opportunity to engage with educational content anytime, anywhere, empowering them to take ownership of their learning journey. By nurturing digital literacy skills and fostering a culture of continuous learning, higher education institutions can equip individuals with the tools and competencies needed to thrive in the digital age. However, it is crucial to acknowledge the challenges and considerations associated with implementing blended learning initiatives, including technological infrastructure, faculty training, and ensuring equitable access for all learners. Addressing these obstacles requires a concerted effort from stakeholders across academia, industry, and government to create an enabling environment conducive to innovation and collaboration.





### FROM CHALKBOARDS TO SCREENS: TRANSFORMING TEACHER EDUCATION IN THE DIGITAL AGE



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he digital age has revolutionized education, shifting from traditional methods to interactive screens. To

ensure that teachers are prepared for this new era of learning, this transformation necessitates a parallel evolution in teacher education programs. This article examines the ways that innovative tools, ethical considerations, adaptive teaching strategies, historical evolution, and essential competencies are reshaping teacher education.

### Historical Perspectives: Tracing the Evolution of Educational Technology

Historical analysis reveals key periods in the development of educational technology. While audio-visual aids of the 20th century revolutionized teaching, the printing press democratized knowledge. The introduction of computers in the late 20th century completely changed education. Access to educational resources is now unmatched thanks to the internet and mobile devices. This historical viewpoint emphasizes the importance of technology in education and the necessity for educators to change. Teachers can use contemporary tools to improve student learning experiences by having a thorough understanding of this evolution.

### Digital Literacy for Educators: Key Competencies in the Modern Classroom

In the contemporary classroom, digital literacy is a fundamental competency for teachers, encompassing technological competence, information literacy, cybersecurity awareness, digital communication skills, efficient online pedagogy, and keeping up with educational technology. It enables educators to use technology to enhance teaching and learning, promote digital citizenship, and ensure inclusive and accessible digital resources. Developing these competencies allows teachers to become more effective educators and equip their students with essential skills for the digital age, making digital literacy a cornerstone of transformative teacher education in the transition from chalkboards to screens.

### Adaptive Teaching Strategies: Personalizing Learning in Digital Environments

Thanks to technology-driven adaptive teaching strategies, personalized learning experiences are at their peak in the digital age. These techniques give teachers the ability to adapt their lessons to the particular needs, interests, and skills of each student. This revolutionary method is drastically altering teacher preparation. The first step is to comprehend the various learner profiles and then use data to tailor instruction. Adaptive platforms provide the right amount of challenge by dynamically adjusting the pace and content. Growth mindsets are promoted by varied resources and tailored feedback. Targeted interventions are seamlessly integrated for students with different needs. This approach fosters critical thinking, supports independent learning, and connects what is learned in the classroom to practical applications. Teachers create inclusive and dynamic learning environments by implementing adaptive teaching strategies, thereby preparing students for a future characterized by flexibility and lifelong learning.

### The Ethical Dimensions: Navigating Privacy and Equity in Digital Education

The moral dimensions of privacy and equity have become crucial factors in teacher education as the field embraces the digital era. It is now critical to protect student data and maintain privacy online. Teachers need to understand the ramifications of sharing student data with third-party platforms and negotiate complicated environments while abiding by data protection laws. Furthermore, advancing fairness in education requires ensuring equal access to technology. Preemptively recognizing and resolving discrepancies in device accessibility and dependable internet connectivity are necessary for this. Educators have a crucial duty to teach students digital citizenship, which includes appropriate online conduct and respect for one's privacy. Teachers contribute to a digital learning environment that supports the values of fairness, inclusivity, and responsible behavior by addressing these ethical aspects. A key component of transformative teacher preparation in the digital age is this thoughtful approach to digital education.



### Innovative Tools and Platforms: Enhancing Instructional Effectiveness

The integration of innovative tools and platforms in education has revolutionized the teaching and learning process. These technologies include interactive whiteboards, smart displays, Learning Management Systems (LMS), virtual reality and AR, gamification, video conferencing, and AI and machine learning. These tools enhance engagement and collaboration, provide a centralized repository for course materials, assessments, and communication, and offer immersive virtual environments. Gamification and educational games make learning more engaging and memorable. Video conferencing and collaborative online platforms enable real-time interaction, transcending geographical constraints. AI and machine learning offer individualized learning experiences by modifying the content according to each learner's progress. This integration not only increases the efficacy of instruction but also gives students the tools they need to live in a world that is increasingly reliant on technology.

### Professional Development in a Digital World: Empowering Educators

Digital professional development has become a vital pillar in enabling teachers in the quickly changing educational landscape. Teachers need to be lifelong learners in order to properly use digital tools and approaches as technology continues to change the context of the classroom. This covers a wide range of offerings, including webinars, workshops, and online courses, all with the goal of improving teaching effectiveness in the digital age. By providing educators with the information and abilities needed to success-



fully negotiate the challenges of digital education, professional development programs encourage flexibility and creativity. Incorporating cutting-edge tools and platforms is another thing they help with, which eventually improves students' educational experience. In an increasingly technology-driven world, educators who embrace digital professional development not only strengthen their own skills but also set the groundwork for the success of the coming generation. The way that professional development practices are evolving highlights how important it is to improving educational outcomes in the digital age.

### Transformative Dimensions of Digital Education

In the digital era, assessing learning in virtual spaces requires a paradigm shift in evaluation methods. Tech-driven approaches use diverse assessment tools, including interactive quizzes and personalized real-time analytics. Maintaining assessment integrity is challenging, leading to innovations like remote proctoring. Proficiency with these tools is crucial for effective virtual teaching and accurate student evaluation.

This change is a turning point in knowledge acquisition and sharing, going beyond technology to transform teaching methods. It replaces passive learning



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with dynamic, personalized approaches, utilizing virtual and multimedia experiences to enhance engagement. This shift encourages global connectivity and cooperation, prompting a reevaluation of teaching roles, ultimately redefining education in an interconnected, information-rich world, equipping students with essential 21st-century skills.

Modern education necessitates empowering educators to be proficient with virtual reality, interactive technology, and learning systems. Teachers adapt their approaches for the online environment using online forums and multimedia resources, ensuring a secure learning environment through cybersecurity and digital literacy. Realizing the full potential of the digital classroom requires customized training and professional development, producing technologically literate students prepared for a tech-fluent future.

### Balancing Tradition with Technology: Navigating Pedagogical Changes

In order to navigate pedagogical shifts, striking a balance between tradition and technology in the classroom is essential. While the fundamentals of good teaching remain unchanged, technology has fundamentally altered the nature of education. It's crucial to thoughtfully integrate digital tools to support established teaching methodologies rather than replacing them. Educators must discern when to use technology to enhance understanding and participation. Striking this delicate balance enables the enhancement of learning experiences through technology while upholding crucial aspects of traditional education, such as critical thinking and interpersonal interaction. By adeptly managing these pedagogical shifts, teachers create an environment where students are prepared for success in the digital age, merging cutting-edge technology with time-tested educational principles.



### आईयूएसी ने राष्ट्रीय प्रौद्योगिकी दिवस मनाया

अंतर विश्वविद्यालय त्वरक केंद्र (आईयूएसी), नई दिल्ली ने 10 और 11 मई, 2024 को राष्ट्रीय प्रौद्योगिकी दिवस मनाया। राष्ट्रीय प्रौद्योगिकी दिवस पोखरण (राजस्थान) में देश के सफल ऐतिहासिक परमाणु परीक्षणों को स्मरण करने के अवसर पर हर वर्ष 11 मई को मनाया जाता है। इस दिवस को विज्ञान, प्रौद्योगिकी और नवाचार के क्षेत्र में देश की उतरोत्तर प्रगति को स्मरण करने के लिए कई वर्षों से मनाया जा रहा है। ऐतिहासिक अवसर को इस वर्ष मनाने की विषय-वस्तू 'विकसित भारत @ 2047 हेतू विदेशी तकनीक' था।

सीईसी के निदेशक प्रो. जे. बी. नड्डा इस अवसर पर मुख्य अतिथि के रूप में शामिल हुए। अपने भाषण में प्रो. नड्डा ने कहा कि तकनीक केवल उपकरणों के बारे में नहीं बल्कि यह दुनिया को एक बेहतर स्थान बनाने से संबद्ध है। राष्ट्रीय प्रौद्योगिकी दिवस पर आईयूएसी की ओर से शिक्षार्थियों के लिए विशेष व्याख्यान का आयोजन किया गया। व्याख्यान में सम्मिलित दिल्ली के विभिन्न स्कूलों के युवा प्रतिभाओं से बातचीत में प्रो. जे. बी. नड्डा ने उन्हें अपने सपनों को आगे बढ़ाने और उज्ज्वल भविष्य की दिशा में काम करने के लिए प्रेरित किया। छात्रों ने आईयूएसी परिसर में नवाचार से जुड़े मॉइल आदि पर एक प्रदर्शनी भी लगाई।

राष्ट्रीय प्रौद्योगिकी दिवस के अवसर पर रक्षा अनुसंधान एवं विकास संगठन (डीआरडीओ), वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद (सीएसआईआर) आदि संस्थानों के प्रख्यात वैज्ञानिक, अधिकारियों के साथ ही शैक्षिक संचार संकाय (सीईसी) के तकनीकी क्षेत्र से संबद्ध कर्मचारी सम्मिलित हुए।



Prof. J.B.Nadda, Director, CEC lights the lamp at National Technology Day celebrations, IUAC, New Delhi प्रो. जे. बी. नड्डा, निदेशक- सीईसी, आईयूएसी (नई दिल्ली) में आयोजित राष्ट्रीय प्रौद्योगिकी दिवस समारोह में दीप प्रज्ज्वलित करते हुए।

### National Technology Day Celebrations @IUAC

The Inter-University Accelerator Centre, New Delhi, celebrated National Technology Day on the 10th and 11th of May, 2024. The National Technology Day is celebrated every year on the 11th of May to commemorate India's historic nuclear tests carried out in Pokhran, Rajasthan. It is also a day celebrating India's advancement in science, technology and innovation over the years. This year the theme of the celebration was Vikshit Bharat 2047 Hetu Videshi Takniki.

Prof. J.B. Nadda, Director, CEC, was invited to the event as Chief Guest, during his speech he said, "Technology isn't just about gadgets: it's about making the world a better place." On the occasion, special lectures were organised by the institute for students. Prof. J.B. Nadda interacted with young minds from various schools of Delhi, motivating them to pursue their dreams and work towards a brighter future. The students also put up an exhibition displaying innovative models and projects on campus.

Eminent scientists and staff members from institutions like DRDO, CSIR etc. and CEC's technical staff attended the event.





Prof. J.B. Nadda, Director, CEC, inagurates National Technology Day celebrations at IUAC, New Delhi

राष्ट्रीय प्रौद्योगिकी दिवस पर आईयूएसी (नई दिल्ली) में आयोजित समारोह का उद्घाटन करते हुए प्रो. जे. बी. नड्डा, निदेशक- सीईसी।

Prof. J.B. Nadda, Director, CEC, interacts with students कार्यक्रम में छात्रों से वार्तालाप करते हुए प्रो. जे. बी. नड्डा, निदेशक- सीईसी।



### ईएमआरसी कालीकट में दो दिवसीय कार्यशाला का आयोजन

शैक्षिक मल्टीमीडिया अनुसंधान केंद्र (ईएमआरसी) कालीकट में स्वयंप्रभा-2.0 से जुड़े विषय पर 16 और 17 मई, 2024 को दो दिवसीय कार्यशाला का आयोजन किया गया। कार्यशाला का उद्घाटन शैक्षिक संचार संकाय (सीईसी) के निदेशक प्रो. जे. बी. नड्डा ने किया। इस कार्यक्रम में कालीकट विश्वविद्यालय के कुलपति प्रो. एम. के. जयराज सम्मानित अतिथि के रूप में सम्मिलित हुए।

उद्धाटन-सत्र के अपने भाषण में सीईसी के निदेशक प्रो. जे. बी. नड्डा ने देशभर में शिक्षार्थियों की आवश्यकताओं को पूरा करने के लिए स्वयंप्रभा डीटीएच चैनलों की विस्तार क्षमता आदि का पता लगाने की आवश्यकता पर जोर दिया। दो दिवसीय कार्यशाला को सफल बनाने के लिए स्वयंप्रभा डीटीएच चैनल से संबद्ध ईएमआरसी के अधिकारियों, कर्मचारियों ने सक्रिय रूप से भागीदारी निभाई। दो दिवसीय कार्यक्रम का सुचारू संचालन सुनिश्चित करने आदि में सीईसी की ओर से प्रो. रजनीश श्रीवास्तव- अपर निदेशक, सुश्री दिशा अवतार, डॉ. अस्मिता बख्झी ने सहभागिता की।



Prof. M.K. Jayaraj, Vice-Chancellor, University of Calicut (R), welcomes Prof. J.B. Nadda, Director, CEC. कार्यक्रम में प्रो. जे. बी. नड्डा, निदेशक- सीईसी का स्वागत करते हुए कालीकट विश्वविद्यालय के कुलपति प्रो. एम. के. जयराज (दाएं)।

### 2-Day Workshop organised at EMRC Calicut

A 2-day workshop on SWAYAM Prabha 2.0 was organised at EMRC Calicut, on the 16th and 17th of May, 2024. The workshop was inaugurated by Prof. J. B. Nadda, Director, CEC. Prof. M. K. Jayaraj, Vice-Chancellor, University of Calicut was the guest of Honor for the event.

In the inaugural address, Prof. J.B.Nadda, Director, CEC, emphasised the need to explore the potential of SWAYAM Prabha DTH channels to satisfy the country's educational needs. EMRC staff members, dealing with DTH channels actively participated in the workshop, making it a success. CEC staff members, Dr Rajnish Srivastav, Additional Director, CEC, Ms Disha Avtar and Mrs. Asmita Bakshi attended the workshop and ensured its smooth functioning.



EMRC Directors and staff members participate in the 2-day workshop दो दिवसीय कार्यशाला में सम्मिलित मीडिया केंद्रों के निदेशक, कर्मचारियों और अन्य के साथ।



### ईएमआरसी मैसूर ने एनसीईआरटी राष्ट्रीय ई-कंटेंट प्रतियोगिता में जीते 2 शीर्ष पुरस्कार

ईएमआरसी मैसूर के तकनीशियन श्री के. गोपीनाथ ने नॉर्थ ईस्ट रीजनल इंस्ट्रीट्यूट ऑफ एजुकेशन- शिलांग, मेघालय में आयोजित अखिल भारतीय बाल शिक्षा ई-कंटेंट प्रतियोगिता (एआईसीईसीसी 2023-24) के सेकेंडरी श्रेणी में प्रतिष्ठित सर्वश्रेष्ठ वीडियो का पुरस्कार हासिल किया। सीआईईटी-एनसीईआरटी, नई दिल्ली द्वारा आयोजित समारोह में मेघालय के शिक्षा मंत्री श्री रक्कम ए. संगमा ने विजेताओं को पुरस्कार प्रदान किए। नॉर्थ ईस्ट रीजनल इंस्ट्रीट्यूट ऑफ एजुकेशन- शिलांग में आयोजित समारोह में विजेताओं को पुरस्कार प्रदान किए। पुरस्कृत ई-कंटेट 'द इनोवेटिव फॉर्मर' को मिले सम्मान के दौरान अतिथियों में प्रो. सकलेजा, निदेशक- एनसीईआरटी और प्रो. अमरेन्द्र पी. बहेराम, संयुक्त निदेशक-सीआईईटी की मौजूदगी भी रही। श्री के. गोपीनाथ ने इसके अलावा वृत्तचित्र 'तुलसी- मदर ऑफ फोरेस्ट' में सर्वश्रेष्ठ संगीत संयोजन का पुरस्कार भी हासिल किया। अखिल भारतीय बाल शिक्षा ई-कंटेंट प्रतियोगिता महोत्सव के लिए आयोजकों को देशभर से कुल 437 प्रतिभागियों की प्रविष्टियां प्राप्त हुई थी।

### EMRC Mysore Bags 2 Top Awards in NCERT's National E-content Contest

Mr K. Gopinath, Technician, EMRC Mysore, was bestowed with the prestigious Best Video Award in the Secondary Level category during the All India Children's Educational E-content Competition (AICEeCC-2023-24) hosted at the North East Regional Institute of Education (NERIE) in Shillong, Meghalaya. The award was presented by Shri. Rakkma Sangma, Minister of Education, Meghalaya, in the event organised by CIET-NCERT, New Delhi. The winning e-content, titled "The Innovative Farmer", garnered recognition among esteemed attendees, including Prof. Sakleja, Director of NCERT, and Prof. Amarendra P. Baheram, Joint Director CIET. Furthermore, Mr. K. Gopinath bagged another award for Best Music Design with the documentary "Tulasi - Mother of Forest". Notably, the festival attracted a remarkable total of 437 entries from participants across the country.

### एमओई अधिकारियों ने बताए 'अपार', 'एबीसी' से जुड़े लाभ

उस्मानिया विश्वविद्यालय के निदेशक श्री पी. रघुपति के बतौर प्रतिनिधि निर्माण एवं तकनीकी टीम के कर्मचारियों ने शिक्षा मंत्रालय (भारत सरकार) के साथ दिनांक 02 मई 2024 को ऑनलाइन बैठक में हिस्सा लिया। इस बैठक में मंत्रालय के अधिकारियों ने शिक्षा रक्ष सभी शिक्षार्थियों को लाभान्वित करने वाली नवीनतम पहल ऑटोमेटेड पर्मानेंट एकेडमिक एकाउंट रजिस्ट्री (अपार) एवं एकेडमिक बैंक ऑफ क्रेडिट्स (एबीसी) के कार्यान्वयन की जरूरत और महत्व के बारे में विस्तार से समझाया। केंद्र की इस पहल 'अपार' के तहत देश के हर शिक्षार्थी की स्कूल से लेकर उच्च शिक्षा हासिल करने तक एक विशिष्ट पहचान पंजीकरण संख्या होगी। 'एबीसी' कार्यान्वयन में शिक्षा हासिल करने के दौरान हर शिक्षार्थी के अर्जित क्रेडिट्स की जानकारी वर्चुअल/ डिजिटल रूप में संग्रहित करने का प्रावधान मिलेगा। इस ऑनलाइन बैठक में ईएमआरसी उस्मानिया विश्वविद्यालय के प्रतिनिधियों द्वारा पूछे गए सभी सवालों का जबाव मंत्रालय के अधिकारियों ने विस्तारपूर्वक समझाकर दिया। इस दौरान उन्होंने ईएमआरसी के प्रतिभागियों से अपने विश्वविद्यालय में 'अपार' और 'एबीसी' के कार्यान्वयन में अहम भूमिका निभाने को भी कहा।

### MoE throws light on APAAR and ABC, Explains Benefits

On behalf of Osmania University, Shri P. Raghupathi, Director, along with the production & technical staff of the Center attended an online meeting with the Ministry of Education, Govt. of India on 02.05.2024. The officials of the Ministry explained the need and importance of implementing the Automated Permanent Academic Account Registry (APAAR) and Academic Bank of Credits (ABC), the latest initiatives of the Government of India for the benefit of all the students in the country. APAAR is a unique identification number assigned to each student in India, from pre-primary to higher education. ABC is a virtual/digital storehouse that contains information on the credits earned by individual students throughout their learning journey. The officials of the Ministry were kind enough to answer all the queries raised by the EMRC. They asked the EMRC to lead in implementing APAAR and ABC in the University.





### Subject Expert SHALLU SACHDEVA

### Affiliation

Professor,Chemistry, Acharya Narendra Dev College,University of Delhi

Title

### ENERGY IN THE ENVIRONMENT-I



### **Scan for lecture**

### **About the Expert**

Professor Shallu Sachdeva has graduated in Chemistry (Hons) from Miranda House, University of Delhi and M.Sc. (gold medallist) and Ph.D. in Chemistry from the Department of Chemistry, University of Delhi. She teaches Chemistry, at Acharya Narendra Dev College, University of Delhi. She has many research papers in various reputed national and international journals and has contributed chapters in national and international books. She is also a member of many learned bodies. She has delivered several lectures at various national and international conferences and summits. She has also delivered lectures and invited speakers to educational summits by ELETS and organised multiple workshops and conferences. She is a recipient of the Global Academic Research Excellence Award of Best Faculty in Chemical Sciences-MKSES Educational Society, Lucknow and Proud Indian Iconic Reader and Researcher Award 2023- Ratna Prasad Multidisciplinary Research and Educational Society. Apart from this, she has also been a subject matter expert at NCERT.

### **Excerpt from the Lecture**

Various sources of energy are available in the environment like sun, wind and fossils which are being used by humans to carry out various activities. The main source of energy is the Sun. The consumption of energy by a nation depends upon its population and hence economic growth. Solar energy is a form of renewable energy available in abundance and can be used for the production of electricity, apart from a number of other applications. Wind and water are also energy sources used by man for the generation of power. Apart from these, geothermal energy is also an important energy source available in the form of geysers and hot springs. Solar, wind, hydrothermal, geothermal, biomass and biofuels are all called GREEN SOURCES OF ENERGY. Non-renewable sources of energy include nuclear energy and energy from coal and petroleum. Natural gas is also a good source of energy obtained from the decomposition of organic matter trapped between the layers of the earth. However, nuclear energy sources and also coal and petroleum are pollution-causing sources of energy. Whatever the energy sources, they need to be used judiciously, for a sustainable future.

### **Learning Objectives**

- Understanding and appreciating the abundance of energy sources in the environment which make the Earth a liveable planet
- Gaining knowledge about how these energy sources can be harnessed for use
- Understanding the need to use these resources judiciously.

### 🐇 Citation of 14 th Prakriti International Documentary Film Festival 🌽

### **CHUN CHUN MAATI**





Sanjay Barnela

**SYNOPSIS** - This cine-poem, Chun Chun Maati attempts to evoke the eternal spirit of Pastoral Communities roaming with their animals across the planet in a way of life that is deeply attuned to nature, bringing out their resilience, fortitude and the value of impermanence!

Where else would you come across people who live by the maxim, "everyday uncertainty is a certainty"!

### Profile

Sanjay Barnela, based in India, is founder of Moving Images, a team of documentary Film makers and academics, making a range of award-winning films over the last twenty years, many in the niche area of conservation and livelihood, at the political interface between the environment and local communities. His work was recognized by the CMS VATAVARAN and was conferred with Prithvi Ratna Award (2014). In 2012, Sanjay joined the Srishti Manipal Institute of Art, Design & Technology in Bangalore, where he heads Srishti Films, a center dedicated to teaching professional non-fiction film making.



CATEGORY DEVELOPMENT

Hindi | 2021 | 00:10:35



Scan for documentary



CONTRIBUTE ARTICLES TO OUR MONTHLY NEWSLETTER!

Following are the basic guidelines for article submissions:

Word Limit: 900-1200 words

Topic: Digital Education and related areas

• Avoid plagiarism.

0

- The article can include subheadings/tables/bullet points.
  - The article should include a catchy headline.
  - Must include an opening paragraph and conclusion.
  - Use communicative English.
- Publication of articles is subject to the scrutiny of the editorial board.



### Scan here for the detailed guidelines and attached form

### How to Submit?

- A Word file containing the article should be sent to sanyacec@gmail.com
   / research.cec10@gmail.com
- Attach a scanned passport-size photograph with a brief profile while sending the
  - article (refer to the detailed guidelines)

Please note: Contributions to the newsletter are voluntary and non-monetary.

Refer to digital copies of the published newsletters at https://cec.nic.in/cec/newsletter

### CEC MOOCs on SWAYAM

### CEC offers **117 Undergraduate** & **37 Postgraduate** Non-technology Massive Open Online Courses (MOOCs)

Sr. No.	Level of the Course	Course Title	Name of the Course Coordinator	Start date	End date	Host University	No of Credits
1	UG	Real Analysis	Prof. Surajit Borkotokey	15.01.2024	30.04.2024	Dibrugarh University	5
2	UG	Programming in Python	Dr. Rizwan Rehman	15.01.2024	30.04.2024	Dibrugarh University	4
3	PG	Direct Tax Laws and Practice	Subhrangshu Sekhar	15.01.2024	30.04.2024	Tezpur University	4
4	UG	English Communication	Dr.Kshema Jose	15.01.2024	30.04.2024	EFLU Hyderabad	2
5	UG	Shakespeare to Milton: A Study of British Literature	Dr. Jai Singh	24.01.2024	30.04.2024	EFLU Hyderabad	5
6	UG	Diet Management in Health and disease	Dr Vipparti Vijaya Lakshmi	15.01.2024	30.04.2024	EFLU Hyderabad	3
7	UG	Intellectual Property Rights and Competition Law	Prof. (Dr.) G. B. Reddy	15.01.2024	30.04.2024	EFLU Hyderabad	3
8	UG	Apparel Designing	Dr. A. Sarada Devi	15.01.2024	30.04.2024	EFLU Hyderabad	4
9	UG	Proficiency Course in German	Dr Nishant K Narayanan	15.01.2024	30.04.2024	EFLU Hyderabad	5
10	UG	Child Development	Mrs V Kavitha Kiran	12.01.2024	30.04.2024	EFLU Hyderabad	3
11	UG	Applied Fields of Psychology	Dr. P. Swathi	10.01.2024	30.04.2024	EFLU Hyderabad	5
12	UG	Indian Writing in English-1	Dr.V.Rajunayak	15.01.2024	30.04.2024	EFLU Hyderabad	4
13	UG	Basic Psychological Processes	Dr NDS NAGA SEEMA	15.01.2024	30.04.2024	EFLU Hyderabad	4
14	PG	ANIMATIONs	Dr. Abhishek Kumar & Dr. Achintya Singhal*	15.01.2024	30.04.2024	Banaras Hindu University, Varanasi	4
15	PG	Counseling Psychology	Dr Mamta Sharma	15.01.2024	30.04.2024	Punjabi University, Patiala	4
16	PG	Food Microbiology and Food Safety	Dr Tejpal Dhewa	15.01.2024	30.04.2024	Central University of Haryana, Mahendergarh	4
17	UG	Hindi Sahitya ka Itihaas	Prof Subhash Chander	15.01.2024	30.04.2024	Kurukshetra University, Kurukshetra	4
18	PG	Introduction to Public Administration	Prof Ajmer Singh Malik	15.01.2024	30.04.2024	Chaudhary Devi Lal University, Sirsa	4
19	PG	Performing Arts & Allied Subjects	Prof.(Dr.) Yogesh Gambhir	15.01.2024	30.04.2024	Punjabi University, Patiala	3
20	PG	Creative Painting	Dr. Alka Chaddha	15.01.2024	30.04.2024	Dayalbagh Educational Institute (Deemed	4
21	PG	Organisation Behaviour	Prof.(Dr.) Vishal Kumar	15.01.2024	30.04.2024	Panjab University, Chandigarh	4
22	PG	Biostatistics and Mathematical Biology	Prof. Felix Bast	15.01.2024	30.04.2024	Central University of Punjab, Bathinda	4
23	PG	Digital Marketing	Dr Tejinderpal Singh	15.01.2024	30.04.2024	Panjab University, Chandigarh	4
24	PG	Solid and Hazardous Waste Management	Prof. Vinod Kumar Garg	15.01.2024	30.04.2024	Central University of Punjab, Bathinda	4
25	PG	Research Methodology	Prof.G.S.Bajpai	15.01.2024	30.04.2024	National Law University, Delhi	4
26	UG	Mathematical Methods for Economics-I	Prof. Anupama	15.01.2024	30.04.2024	Punjabi University, Patiala	5
27	UG	General Microbiology	Dr. Ishwori Laitonjam	15.01.2024	30.04.2024	Manipur University	4
28	UG	Human, Rights Law and Criminal Justice	Dr. N. Pramod Singh	15.01.2024	30.04.2024	Manipur University	4
29	UG	Cell Biology	Dr. K. Sanatombi	15.01.2024	30.04.2024	Manipur University	4
30	UG	Diseases of Horticultural Crops and their Management	Dr. Bireshwar Sinha	15.01.2024	30.04.2024	Manipur University	3
31	UG	Sports Administration and Management	Dr. M. Chourjit	15.01.2024	30.04.2024	Manipur University	3
32	UG	Nutritional & Clinical Biochemistry	Dr. Senjam Sunil Singh	15.01.2024	30.04.2024	Manipur University	4
33	UG	Introduction to Marketing Management - 1	Dr. Nambram Amulkumar	15.01.2024	30.04.2024	Manipur University	3
34	UG	Immunology	Dr. Reena Haobam	15.01.2024	30.04.2024	Manipur University	4
35	UG	Statistical Methods for Psychological Research - I	Dr. Jitendra Kumar Kushwaha	15.01.2024	30.04.2024	Manipur University	5
36	UG	Youth, Gender and Identity	Dr. Naziya Hasan	15.01.2024	30.04.2024	Manipur University	4
37	UG	History of India-I( Ancient India )	Dr. Bhabananda Singh Takhellambam	15.01.2024	30.04.2024	Manipur University	5
38	UG	Social Formations and Cultural Patterns of the Medieval World	Dr. Shilleima Chanu Naoroibam	15.01.2024	30.04.2024	Manipur University	5

### List of Courses for Jan. - June 2024 Semester

### CEC MOOCs on SWAYAM

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List of Courses	s for Jan June	<b>2024 Semester</b>
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Sr. No.	Level of the Course	Course Title	Name of the Course Coordinator	Start date	End date	Host University	No of Credits
39	UG	United Nations and Global Conflicts	Dr. Arambam Noni Meetei	15.01.2024	30.04.2024	Manipur University	5
40	UG	Retail and Channel Management	Dr. Yamini Karmarkar and Dr. Geeta Nema	15.01.2024	30.04.2024	Devi Ahilya Vishwavidyalaya, Indore	4
41	UG	Basics of Photography	Dr. Narayan Patidar	15.01.2024	30.04.2024	Devi Ahilya Vishwavidyalaya, Indore	3
42	UG	Information Security and Cyber Forensics	Prof. Pratosh Bansal	15.01.2024	30.04.2024	Devi Ahilya Vishwavidyalaya, Indore	4
43	UG	Macroeconomics	Dr. Vishakha Kutumbale	15.01.2024	30.04.2024	Devi Ahilya Vishwavidyalaya, Indore	5
44	UG	Financial Accounting	Dr. Manish Sitlani	15.01.2024	30.04.2024	Devi Ahilya Vishwavidyalaya, Indore	5
45	UG	Environmental Studies	Dr. Monica Jain	15.01.2024	30.04.2024	Devi Ahilya Vishwavidyalaya, Indore	2
46	UG	Micro economics	Dr. M. Vasim Khan	15.01.2024	30.04.2024	Devi Ahilya Vishwavidyalaya, Indore	5
47	UG	Understanding Political Theory	Dr. Ashwini Sharma	15.01.2024	30.04.2024	Devi Ahilya Vishwavidyalaya, Indore	5
48	UG	Petrology	Prof. H. Thomas	01.01.2024	30.04.2024	Dr. Harisingh Gour Vishwavidyalaya	4
49	UG	Talon ka Soundarya Shastra	Dr. Rahul Swarnkaar	01.01.2024	30.03.2024	Dr. Harisingh Gour Vishwavidyalaya	3
50	UG	Photo Geology and Remote Sensing	Prof. R.K. Rawat	01.01.2024	28.02.2024	Dr. Harisingh Gour Vishwavidyalaya	2
51	PG	Bhasha Proudyogiki ka Parichay	Dr. C. Jaya Sankar Babu	16.01.2024	30.04.2024	Pondicherry University	5
52	UG	Algebra	Dr.T.Asir	18.01.2024	30.04.2024	M.K.University	5
53	UG	Sociology of India - 1	Dr.B.Geetha	18.01.2024	30.04.2024	M.K.University	5
54	UG	Nature of language	Dr. Shiva Durga	18.01.2024	28.02.2024	M.K.University	2
55	UG	Problem solving Aspects and	Dr.S.Malliga	18.01.2024	10.04.2024	M.K.University	4
56	UG	Python Programming Reporting and Editing for Print	Dr. S. Saleema Rabiyath	18.01.2024	10.04.2024	M.K.University	4
57	UG	Child development	Dr.S.Prakash	18.01.2024	13.03.2024	M.K.University	2
58	UG	Learning, Teaching and	Dr. G. Victoria Naomi	18.01.2024	13.03.2024	M.K.University	2
59	UG	Assessment Sensory Disabilities	Mrs. R.Shanthi	18.01.2024	13.03.2024	M.K.University	2
60	UG	Orientation and Mobility	Mrs. R. Nagomi Ruth	18.01.2024	13.03.2024	M.K.University	2
61	UG	Agricultural Geography	Dr V Krishna Kumar	15.01.2024	30.04.2024	University of Mysore	4
62	UG	Applied Entomology	Dr. Sannappa B	15.01.2024	30.04.2024	University of Mysore	4
63	UG	Descriptive Statistics	Prof Vidya Raju	15.01.2024	30.04.2024	University of Mysore	4
64	UG	Environmental Economics	Prof Ravindra Kumar	15.01.2024	30.04.2024	University of Mysore	5
65	UG	Geography of India	Prof. A. Balasubramanian	15.01.2024	30.04.2024	University of Mysore	4
66	UG	Hospitality Industry in Tourism	Prof. H. Rajashekar	15.01.2024	30.04.2024	University of Mysore	4
67	UG	Human Genetics	Prof N B Ramachandra	15.01.2024	30.04.2024	University of Mysore	4
68	UG	Introductory Microeconomics	Dr Reshma Chengappa	15.01.2024	30.04.2024	University of Mysore	5
69	UG	Physical Geography -	Dr. Arun Das	15.01.2024	30.04.2024	University of Mysore	4
70	UG	Climatology and Oceanography Probability and Probability	Prof P Nagesh	15.01.2024	30.04.2024	University of Mysore	4
71	UG	Distributions Silkworm rearing and reeling	Dr Divya	15.01.2024	30.04.2024	University of Mysore	4
72	UG	technology Virology	Dr. K. R. Maruthi	15.01.2024	30.04.2024	University of Mysore	4
73	UG	Wild Life and its Conservation	Dr S Basavarajappa	15.01.2024	30.04.2024	University of Mysore	4
74	UG		Bageshree Deo	22.01.2024	30.04.2024	SPU, Pune	3
75	UG	Fundamentals of Banking and	Dr. Girija Shankar	22.01.2024	30.04.2024	SPU, Pune	2
76	UG	Insurance Fundamentals of Financial	Dr. Rupali Sheth	22.01.2024	30.04.2024	SPU, Pune	3
77	UG	Management Management Information System	Dr. A. Abhilasha	22.01.2024	30.04.2024	SPU, Pune	4
	00	management mormation system		22.01.2024	30.04.2024	GFU, Fulle	4

### CEC MOOCs on SWAYAM

### CEC offers **117 Undergraduate** & **37 Postgraduate** Non-technology Massive Open Online Courses (MOOCs)

### List of Courses for Jan. - June 2024 Semester

Sr. No.	Level of the Course	Course Title	Name of the Course Coordinator	Start date	End date	Host University	No of Credits
78	UG	Introduction to Psychology	Dr. Megha Deuskar	22.01.2024	30.04.2024	SPU, Pune	4
79	UG	Introductory Macroeconomics	Dr. Manasi Kurtkoti	22.01.2024	30.04.2024	SPU, Pune	5
80	UG	Business Law	Dr. Ravi Ahuja	22.01.2024	30.04.2024	SPU, Pune	5
81	PG	Communication Technologies in Education	Dr. Dhaneswar Harichandan	22.01.2024	30.04.2024	University of Mumbai	4
82	UG	Corporate Law	Dr. Heena Basharat	22.01.2024	30.04.2024	University of Kashmir	5
83	UG	Psychology of Individual Differences	Dr Manzoor Ahmad Rather	22.01.2024	30.04.2024	University of Kashmir	4
84	UG	Social Formations and Cultural Patterns of the Ancient World	Dr Abdul Rashid Lone	22.01.2024	30.04.2024	University of Kashmir	5
85	UG	History of India-II	Dr. Younus Rashid	22.01.2024	30.04.2024	University of Kashmir	5
86	UG	Psychology for Health and Well- being	Dr. Yasir Hamid Bhat	22.01.2024	30.04.2024	University of Kashmir	5
87	UG	Administrative Law	Dr. Aneeda Jan	22.01.2024	30.04.2024	University of Kashmir	2
88	UG	Complex Ecosystem Dynamics	Dr. Syed Maqbool Geelani	22.01.2024	30.04.2024	University of Kashmir	2
89	UG	Immunology	Dr. Manzoor A. Mir	22.01.2024	30.04.2024	University of Kashmir	4
90	UG	Embryology of Angiosperms	Dr. Khursheed Ahmad Ganai	22.01.2024	30.04.2024	University of Kashmir	2
91	UG	Environmental Issues In India	Dr. Javid A Parray	22.01.2024	30.04.2024	University of Kashmir	5
92	UG	POLITICAL THEORY: CONCEPTS & DEBATES	DR. SIBAJI PRATIM BASU	15.01.2024	30.04.2024	ST. XAVIER'S COLLEGE, KOLKATA	5
93	UG	Introduction to Sociology I	Dr Sarbani Bandyopadhyay	15.01.2024	30.04.2024	St. Xavier's College (Autonomous)	5
94	UG	Making of Contemporary India	Dr. Soumitra Sreemani	15.01.2024	30.04.2024	St. Xavier's College (Autonomous)	5
95	UG	Constitutional Government & Democracy in India	Prof. Amitabha Ray	15.01.2024	30.04.2024	St. Xavier's College (Autonomous)	5
96	UG	Sociology of Media	Dr. Ipsita Barat	15.01.2024	30.04.2024	St. Xavier's College (Autonomous), Kolkata	5
97	UG	Econometrics	Partha Pratim Ghosh	15.01.2024	30.04.2024	St. Xavier's College (Autonomous), Kolkata	5
98	UG	Political Process in India	Dr. Jhumpa Mukherjee	15.01.2024	30.04.2024	St Xavier's College, Kolkata	5
99	UG	INTRODUCTION TO SOCIOLOGY-II	KASTURI SINHA GHOSH	15.01.2024	30.04.2024	St. Xavier's College(Autonomous)	5
100	UG	Advertisement and Media	Dr. Manali Bhattacharya	15.01.2024	30.04.2024	St. Xavier's College (Autonomous), Kolkata	2
101	UG	Aspects of European History (1780- 1939)	Prof. Subhas Ranjan Chakrobarty	15.01.2024	30.04.2024	St. Xavier's College (Autonomous), Kolkata	3
102	PG	Operations Research	Prof. Bibhas Chandra Giri	22.01.2024	30.04.2024	University of Calcutta, Kolkata	4
103	PG	Partial Differential Equations	Alaka Das	22.01.2024	30.04.2024	University of Calcutta	4
104	PG	Numerical Analysis	Dr. Madhumangal Pal	22.01.2024	30.04.2024	Calcutta University	4
105	PG	FUNCTIONAL ANALYSIS	DR. MANTU SAHA	22.01.2024	30.04.2024	University of Calcutta	4
106	PG	Law and Justice in a Globalising World	Prof. Srikrishna Deva Rao	22.01.2024	30.04.2024	National Law University Orissa	4
107	PG	CHEMISTRY OF NANOMATERIALS	Dr. Syamchand. S. S	15.01.2024	30.04.2024	University of Calicut	4
108	UG	Introduction to Nanoscience and Nanotechnology	Dr. Swapna S Nair	15.01.2024	30.04.2024	University of Calicut	4
109	UG	Applied and Economic Zoology	Dr.Dalie Dominic A	15.01.2024	30.04.2024	University of Calicut	4
110	UG	Animal Biotechnology	Dr.Jayasree.S	15.01.2024	18.04.2024	University of Calicut	4
111	UG	Art of C Programming	Dr.Lajish V L	15.01.2024	30.04.2024	University of Calicut	4
112	UG	School Organization: Administration& Management	Dr. Minila K. George	15.01.2024	30.04.2024	University of Calicut	4
113	UG	Information Security	Dr. Reshma P K	15.01.2024	29.04.2024	University of Calicut	5
114	UG	Genetics and Genomics	Dr. Jos T Puthur	15.01.2024	30.04.2024	University of Calicut	4
115	UG	Communicative English	Dr.Salia Rex	15.01.2024	30.04.2024	University of Calicut	4
116	UG	Differential Equations	Mr. Mohamed Nishad Maniparambath	15.01.2024	30.04.2024	University of Calicut	4

Sr. No.	Level of the Course	Course Title	Name of the Course Coordinator	Start date	End date	Host University	No of Credits
117	UG	Calculus	Dr. Mansoor P	15.01.2024	30.04.2024	University of Calicut	4
118	UG	ECONOMIC HISTORY OF INDIA FROM 1857 TO 1947	Dr. Linda George	15.01.2024	30.04.2024	University of Calicut	5
119	UG	Entrepreneurship Development	Nilam Panchal	15.01.2024	30.04.2024	Gujarat University	4
120	PG	Digital Library	Dr. Jagdish Arora	15.01.2024	30.04.2024	Central University of Himachal Pradesh	5
121	PG	HRM For Non-HR Managers	Dr. Margie Parikh	15.01.2024	30.04.2024	Gujarat University	4
122	UG	Management Accounting	Dr. Deepak Raste	15.01.2024	30.04.2024	Gujarat University	4
123	PG	Access to Justice	Dr. Bharti Yadav	15.01.2024	30.04.2024	National Law University, Delhi	4
124	PG	Advanced Constitutional Law	Prof. (Dr.) Anupama Goel	15.01.2024	30.04.2024	National Law University Delhi	4
125	PG	Biomolecules : Structure, Function In Health And Disease	Ashok Sharma	15.01.2024	30.04.2024	All India Institute of Medical Sciences, New	4
126	PG	City & Metropolitan Planning	Prof. Dr. Sanjukkta Bhaduri	15.01.2024	30.04.2024	School of Planning and Architecture, New Delhi	4
127	PG	Criminal Justice Administration	Dr. Neeraj Tiwari	15.01.2024	30.04.2024	National Law University Delhi	4
128	UG	Environmental Law	Dr. Bharti	15.01.2024	30.04.2024	National Law University, Delhi	4
129	PG	Hindi Bhasha ka Udbhav aur Vikas	Dr. Ganga Sahay Meena	15.01.2024	30.04.2024	Jawaharlal Nehru University	4
130	PG	Hindi Gadya Sahitya Katha Sahitya	Professor Deo Sahankar Navin	15.01.2024	30.04.2024	Jawaharlal Nehru University	4
131	PG	Indian Culture & History	Prof. Shiv Shankar Mishra	15.01.2024	30.04.2024	Shri Lal Bahadur Shastri National Sanskrit	4
132	UG	Organic Chemistry 1_UG	B. S. Balaji	15.01.2024	30.04.2024	Jawaharlal Nehru University	4
133	PG	Society and Media	Dr. Durgesh Tripathi	15.01.2024	30.04.2024	Guru Gobind Singh Indraprastha University,	4
134	PG	Media Content Production on	Dr. Krishna Sankar Kusuma	15.01.2024	30.04.2024	Jamia Millia Islamia, New	4
135	PG	Multiple Platforms Intellectual Property	Dr Yogesh Pai	15.01.2024	30.04.2024	Delhi National Law University	4
136	PG	Indian Vastushastra	Dr. Pravesh Vyas	15.01.2024	30.04.2024	Sri Lal Bahadur Shastri Rashtriya Sanskrit	4
137	PG	Introductory Sanskrit: Grammar	Prof. Jaikant Singh Sharma	15.01.2024	30.04.2024	Sri Lal Bahadur Shastri	4
138	UG	Introduction to Film Studies	Juhee Prasad	15.01.2024	30.04.2024	Rashtriya Sanskrit Doon University	4
139	UG	Coordination Chemistry, states of matters & chemical kinetics	Dr. R. N. Jadeja	15.01.2024	30.04.2024	The Maharaja Sayajirao University of Baroda,	4
140	PG	Academic Writing	Dr Ajay Semalty	15.01.2024	30.04.2024	H.N.B. Garhwal University, (A Central University)	4
141	UG	हिन्दी भाषा एवं संप्रेषण (Ability Enhancement Course)	Dr. Kshama Pandey	24.01.2024	30.04.2024	MJP Rohilkhaqnd University	4
142	UG	Public Policy and Governance	Dr. A. Sridhar Raj	08.01.2024	30.04.2024	Osmania University	5
143	UG	Administrative Theory	Dr.Lakshman	15.01.2024	30.04.2024	Osmania University	5
144	PG	Water Resources and	Dr. Harish Gupta	15.01.2024	30.04.2024	Osmania University	4
145	UG	Watershed Management Rethinking Development	Prof. Satyapriya Rout	15.01.2024	30.04.2024	Univeristy of Hyderabad	5
146	UG	Introduction to Public	Prof.Y Pardha Saradhi	12.02.2024	30.04.2024	Osmania University	5
147	UG	Administration Data Structures	Dr.J.Indumathi	31.1.2024	30.04.2024	Anna University	4
148	UG	Data Base Management Systems	Dr. E. Shanmugapriya	31.1.2024	30.04.2024	Anna University	4
149	UG	Digital Electronics and	Dr.V.Jeyalakshmi	31.1.2024	30.04.2024	Anna UNIVERSITY	2
150	UG	Microprocessor Statistics for Business Decisions	Prof. Karunesh Saxena	15.01.2024	30.04.2024	J N Vyas University,	4
151	UG	Earth System Science	M S Sisodia	15.01.2024	30.04.2024	Jodhpur JNV University	4
152	UG	CORPORATE ACCOUNTING	AMITA BISSA	15.01.2024	30.04.2024	JNVU	5
153	UG	Biopsychology	Dr. Hemlata Joshi	15.01.2024	30.04.2024	JNVU	5
153	UG	Business Communication	Dr. Meeta Nihalani	15.01.2024	30.04.2024	JNVU Jodhpur	4

### List of Courses for Jan. - June 2024 Semester



Courses now available on MoE's SWAYAM Platform. For more details, log on to: https://swayam.gov.in UGC website : https://ugc.ac.in CEC's website : https://cec.nic.in

CEC Helpdesk SWAYAM and SWAYAM Prabha [Direct Tel. No.]

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### # EduTweets #







### CEC's Bouquet of 11 DTH Channels on SWAYAM Prabha

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### Channel Name – वागीश | Vageesh

Channel Scope – Language & Literature Channel No. – CEC-UGC - 01

Subjects: Hindi Literature, Hindi Language, English Language, English Literature, Sanskrit, Urdu, Foreign Language Courses: German, Japanese, Chinese, Spanish, French, Russian, Linguistics

### Channel Name – संस्कृति Sanskriti 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

### CEC Swayam Prabha DTH Channel



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 – स्पेंदन | 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 | Uyas Channel No. - CEC-UGC - 40

### 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

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

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

### Band - ll

Band - IV

### #<mark>Birthdays@June</mark>2



A Gemini is highly productive and energetic worker. They detest deadlines, and will worktill they drop to give their best.



Ashish Sharma Data Entry Operator



Mohammad Riyaz Jr. Lib. & Info. Asstt.





Gajender Kumar Driver

Hawaldar Gupta Gardener



Lalit Ekka

Multi-Tasking Staff



Mukesh Prasad



Ankita Arora **Production Assistant** 



A Cancer is caring, shy, creative, smart, loving, kinda lazy, forgetful, but very devoted and loyal.



Vivek Kumar Multi-Tasking Staff

CEC wishes you all a very



Rajat Singh Nain Lower Division Clerk



Vinod Singh Data Entry Operator



Arun Kumar Jr. Mult. Prog.



## **#Prakriti International Documentary Film Festival**

### inviting entries **16<sup>th</sup> Prakrit** International Documentary **film festiva**

### CATEGORY



DEVELOPMENT



SWACHH BHARAT



**ENVIRONMENT** 



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अंतिम तिथि / Last Date: **10 June 2024** अधिक जानकारी के लिए लॉग ऑन करें / For more information Log on to: **https://cec.nic.in** अथवा मेल करें / or mail us on: **prakritifest18@gmail.com** 

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