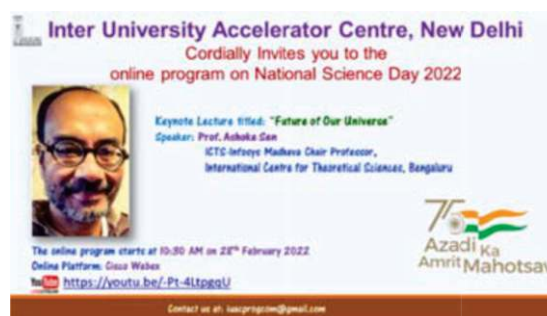


The school was planned to train young researchers in usage of ROOT-based toolkits. Knowledge of ROOT will help the researchers throughout their research career and provide the flexibility of developing their own analysis programs based on physics requirements. The simulation package GEANT4, with ROOT as backbone, helps researchers to have better understanding of the detectors as well as to design the detection systems for experiments. Hence a lecture on GEANT4 simulation along with case studies of HPGe and NaI detectors was arranged.

Lectures were delivered by expert physicists and engineers from various national laboratories along with tutorial sessions for young researchers working in the field of experimental nuclear and atomic physics. About 100 participants participated online in the school. The topics covered in the school included (a) basics of ROOT database, (b) ROOT as a GUI tool (c) analysis techniques using ROOT for gamma spectroscopy, nuclear reaction dynamics and molecular physics and (d) Geant4 simulation with examples.

Celebration of National Science Day on 28th February, 2022

To commemorate the National Science Day, an online programme was organised at IUAC on 28th February 2022. Taking cognizance of the social distancing norms due to COVID-19 the function was organized in a virtual mode through Cisco Webex platform along with live streaming on YouTube. B. Sc. Physics students of 1st, 2nd and 3rd year from all over the country were invited to register online for the event. An invitation email along with the flier and the program schedule was sent to universities and colleges across the country. Around 600 registrations were received from different states and more than 200 participants actively participated in the programme. The programme began with the welcome address delivered by the Director, IUAC Prof. Avinash Chandra Pandey. This was followed by the key-note address that was delivered by the eminent physicist Prof. Ashoke Sen, Infosys Madhava Chair Professor ICTS, Bengaluru. Prof. Sen, through his excellent explanation skills, unfolded the astounding mysteries of the universe in his seminar entitled 'Future of Our Universe'. Some of his original concepts about the ultimate fate of our universe were radically new not only to the students but also to all the other participants. At the end of the lecture there was an interactive session where he answered the queries from the participants. A virtual interactive tour of the accelerator and experimental facilities at IUAC was organized after the keynote lecture, where the IUAC personnel explaining the facilities were available online to take up questions from the participants. As in the last year programme, this year too, digital participation certificates were prepared and emailed to the participants.



Students attending the virtual programme at a college in Jalgaon, Maharashtra
(Photo courtesy Dr. Rajkumar Lokhande, Assistant Professor, SMC College, Jalgaon)

Celebration of 32nd Foundation Day of IUAC

The 32nd Foundation day program of IUAC was celebrated on 19th December 2021. The function was organised in virtual mode through Cisco Webex platform, which was uploaded subsequently in YouTube. A flier was circulated through email to inform the Users, Collaborators, Dignitaries, etc. associated to IUAC and particularly the vast number of schools and their teachers spreading across the country. The program started with the 'Welcome Address' of the Director, IUAC, Prof. Avinash Chandra Pandey followed by his brief report on the recent activity and achievement of IUAC. Prof. V. S. Chauhan, Former Director, International Centre for Genetic Engineering and Biotechnology (ICGEB) and Arturo Falaschi Emeritus Scientist, ICGEB was the Chief Guest of the function and delivered the Presidential Address. The Keynote address titled 'Indian Space Programme: Vision to Missions' was kindly delivered by Mrs. Aruradha T.K., Distinguished Scientist (Retd.), Indian Space Research Organization, India. In the lecture, she beautifully explained the wide horizon of space science covering from definition of space, the history of Indian initiative in the space program, its impact on society, civilization, etc. The foundation day function ended with a program dedicated to the school students and their teachers. It consisted of a virtual tour of the major experimental facilities at IUAC followed by a demonstration of eight basic experiments in physics. The aim was to give the students a feel of the various experimental activities at IUAC and to motivate them to pursue the exciting field of science in future. During the virtual tour and the experimental demonstrations, scientists and engineers of IUAC were available to interact and to answer the questions of the students and their teachers. A total of 291 students and 28 teachers from all over the country were registered to participate in the program. Digital participation certificates were sent to all the registered students and the teachers. Several dignitaries like the former directors of IUAC and Variable Energy Cyclotron Centre, Kolkata; members of the Governing Board; Scientific Advisory Committee; Accelerator User Committee of IUAC, etc. Also attended the foundation day function and made the event memorable.



अंतर-विश्वविद्यालय त्वरक केंद्र

अरुणा आसफ अली मार्ग, नई दिल्ली-110067

अंतर-विश्वविद्यालय त्वरक केंद्र के 32 वें स्थापना दिवस पर आयोजित ऑनलाइन कार्यक्रम में आप सादर आमंत्रित हैं

दिनांक : 19 दिसंबर 2021, रविवार

समय प्रातः 10:00



मुख्य अतिथि : आचार्य वी. एस. चौहान,
अर्तुरो फालास्की एमेरिटस साइंटिस्ट
आईसीजीबी एवं अध्यक्ष शांसी निकाय,
आईयूसी, नई दिल्ली

**“भारतीय अंतरिक्ष कार्यक्रम :
दर्शन से लक्ष्यों तक”**

विषयक मुख्य वक्तव्य



मुख्य वक्ता : सुश्री अनुराधा टी. के.,
विशिष्ट वैज्ञानिक (संगनिवृत्त),
भारतीय अंतरिक्ष अनुसंधान संगठन

ऑनलाइन मंच: Cisco Webex

संपर्क विवरण: 011-24126024-26,
www.iuac.res.in

 **YouTube**
LIVESTREAM



Inter-University Accelerator Centre

Aruna Asaf Ali Marg, New Delhi – 110067

IUAC Cordially invites you to the virtual program on the occasion of its 32nd Foundation Day.

Date: Sunday, 19 December 2021

Time: 10:00 AM



Chief Guest: Prof. V. S. Chauhan,
Arturo Falaschi Emeritus Scientist,
ICGEB and Chairman Governing
Board, IUAC, New Delhi

**“Indian Space Programme :
Vision to Missions”**

Keynote Lecture



Keynote Speaker: Ms. Anuradha T. K.
Distinguished Scientist (Retd.),
Indian Space Research Organization

Platform: Cisco Webex

Contact Details: 011-24126024-26
www.iuac.res.in

 **YouTube**
LIVESTREAM

Annual Report Contribution for IUAC Sports & Cultural Activities Of 2021-22

Committee Members: Sudarshan Sharma, Bishambar Kumar, D.S. Mathuria, Padmanava Patra, Indra Sulania, Gaurav Raturi, Ambuj Mishra & Abhijit Sarkar

Inspite of the the severe restrictions due to Covid-19 in this academic year, Sports & Cultural committee was successful in organizing several programmes following strict Covid protocols. These include Independence Day, International Yoga Day, Diwali, Holi, Netaji's 125th birthday, and Republic day celebrations.

Independence Day



Independence Day 2021 was celebrated with precautions strictly following Covid-19 pandemic guidelines. Prof. Avinash Chandra Pandey, Director IUAC hoisted the flag and delivered Independence Day speech. Shri Abhijit Sarkar and Dr Indra Sulania coordinated the programme on stage with the support and help from all other members of the Sports and Cultural Committee back stage. Some patriotic songs were presented by the employees and students which also included the famous song of INA (Kadam Kadam Badhaye jaa) to pay respect to Netaji on his 125th Birth Anniversary year.

As large gatherings and outdoor activities were forbidden, the Sports and Cultural Committee also came up with a novel idea to bring the talent of photography of our colleagues, their family members and students to everyone and first time in IUAC, a *Photography-Exhibition* was organized. Beyond the expectations, the employees of the centre, their family members and the students actively participated in the programme with an overwhelming response. Due to restrictions of Covid-19 guidelines, displaying of the photographs was organized digitally in the different slots at longue area of the Maharshi Kanad Auditorium, IUAC. The following photographs are representing a glimpse of the programme.



International Yoga Day

IUAC's Sports and Cultural Committee organized a yoga Session to commemorate the International Yoga Day on 21st June 2021 from 6.45 to 8 am. Mr. Shravan Kumar gave an hour of yoga session to IUAC personnel. Due to

Corona Pandemic, it was organized in online mode. A google link was shared with all the participants and there were about 80 participants in the event.

Diwali

Diwali was celebrated with full spirit and enthusiasm. A colourful Rangoli was made on the outdoor stage near the football ground. The field was decorated with sand art which was adorned with Diyas. Director, IUAC inaugurated the lamp lighting ceremony with the auspicious sounds of Conc shell (Shankh-naad) and the whole surrounding reverberated with the sound of Deepak-stotram in Sanskrit. People shared greetings and sweets were distributed to all.



Netaji's 125th Birthday (Parakram Diwas)

This year as we marked the 125th birth anniversary of Netaji Subhash Chandra Bose, a very special programme was organised to pay respect to this great freedom fighter and national hero on his birthday on 23rd Jan, 2022 which is declared as Parakram Diwas by the Central Government. Garlanding of Netaji's portrait and paying homage in the auditorium lounge was done by Directors of IUAC & CEC. This was followed by an online seminar on the works of Netaji and INA by Retired Air Commodore Shri Bal Krishna Gandhi, Indian Air Force.



Republic Day Celebrations

Republic Day celebration was done in the Football ground with Flag hoisting ceremony followed by national anthem. Director, IUAC delivered the Republic day speech which was applauded by one and all. This was followed by singing of the national song Vande Mataram. Children's programme and other outdoor activities could not be arranged for the severe 3rd wave of Covid.

Holi

Due to slight easing out of Covid restrictions, after two years we could organise Holika Dahan ceremony in the football ground. People gathered and enjoyed the ceremony after a long time. Special Holi sweets (Gujiya) were distributed to everyone.

6.10 राजभाषा प्रकोष्ठ – 2021–22

डॉ. मेघा आचार्य

वर्ष-2021–22 में अंतर-विश्वविद्यालय त्वरक केंद्र के राजभाषा प्रकोष्ठ द्वारा केंद्र के प्रशासनिक कामकाज में राजभाषा हिंदी के प्रयोग में वृद्धि करने हेतु निम्न कार्यक्रमों का आयोजन किया गया :

हिंदी पखवाड़ा

गृह मंत्रालय, राजभाषा विभाग द्वारा जारी किए गए अनुदेशों के अनुपालन में अंतर-विश्वविद्यालय त्वरक केंद्र के स्टाफ सदस्यों की राजभाषा हिंदी के प्रति रुचि में वृद्धि करवाने के उद्देश्य से दिनांक 14 से 30 सितंबर, 2021 तक “हिंदी पखवाड़ा” आयोजित किया गया, जिस दौरान हिंदी निबंध लेखन, हिंदी प्रश्नोत्तरी, हिंदी टंकण एवं हिंदी काव्य पाठ इन चार प्रतियोगिताओं का आयोजन किया गया। केंद्र के वैज्ञानिकों, अधिकारियों एवं कर्मचारियों ने सभी प्रतियोगिताओं में बढ़-चढ़कर हिस्सा लिया।

विश्व हिंदी दिवस

दिनांक 10 जनवरी, 2021 को ‘विश्व हिंदी दिवस’ के अवसर पर केंद्र में ऑनलाइन माध्यम से एक व्याख्यान का आयोजन किया गया। केंद्र के माननीय निदेशक डॉ. अविनाश चंद्र पांडेय जी ने कार्यक्रम की अध्यक्षता की। डॉ. मेघा आचार्य ने कार्यक्रम का संचालन करते हुए आभासी मंच पर उपस्थित सभी सम्मानितों का शब्द सुमानों से स्वागत किया। मुख्य वक्ता के रूप में आमंत्रित महात्मा गांधी अंतर्राष्ट्रीय हिंदी विश्वविद्यालय, वर्धा के माननीय कुलपति आचार्य रजनीश कुमार शुक्ल जी ने “हिंदी की राष्ट्रीय एवं अंतर्राष्ट्रीय स्थिति और महत्व” पर संबोधित किया। निदेशक महोदय के अध्यक्षीय वक्तव्य के पश्चात केंद्र के वरिष्ठ प्रशासनिक अधिकारी श्री. विश्वंभर दत्त जी ने धन्यवाद ज्ञापन किया। केंद्र के अधिकारियों एवं कर्मचारियों ने ऑनलाइन माध्यम से बड़ी संख्या में अपनी उपस्थिति दर्ज करा कर कार्यक्रम को सफल बनाया।



हिंदी कार्यशालाएं

केंद्र के स्टाफ सदस्यों को हिंदी में कार्य करने हेतु प्रशिक्षण प्रदान करने के उद्देश्य दिनांक 23 दिसंबर, 2021 को ‘राजभाषा हिंदी के कार्यान्वयन में आने वाली समस्याएं और उनका समाधान’ विषय पर तिमाही कार्यशाला का आयोजन किया गया, जिसका संचालन केंद्र की हिंदी अनुवादक डॉ. मेघा आचार्य ने किया। कार्यशाला में नामित 17 स्टाफ सदस्यों ने सहभागिता की। दिनांक 25 मार्च, 2022 को ‘मानक हिंदी वर्तनी और व्याकरणिक अशुद्धियाँ’ विषय पर तिमाही कार्यशाला का आयोजन किया गया, जिसका संचालन श्री. आनंद कुमार सोनी, उप-कुलसचिव, इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय, नई दिल्ली ने किया। कार्यशाला में नामित 20 स्टाफ सदस्यों ने सहभागिता की।

केंद्र में लागू की गई पुरस्कार योजनाएं

अंतर-विश्वविद्यालय त्वरक केंद्र के अधिकारियों एवं कर्मचारियों को अपना अधिकाधिक कार्य राजभाषा हिंदी में करने और मौलिक रूप से हिंदी में लेखन को प्रोत्साहित करने के उद्देश्य से ‘हिंदी लेख लेखन प्रोत्साहन योजना’ लागू की गई। इस योजना के अंतर्गत आयोजित ‘हिंदी लेख लेखन प्रतियोगिता’ में कुल 19 प्रतिभागियों ने भाग लिया, जिन्हें हिंदी भाषी और हिंदीतर भाषी ऐसे दो पृथक वर्गों में पुरस्कृत किया गया। साथ ही केंद्र में हिंदी में आंशिक या पूर्णतः काम करने वाले अधिकारियों/कर्मचारियों का मनोबल बढ़े और उन्हें राजभाषा हिंदी में

सरकारी कामकाज करने की प्रेरणा और प्रोत्साहन मिल सके इस उद्देश्य से केंद्र सरकार के मंत्रालयों/विभागों/कार्यालयों आदि में सरकारी कामकाज मूल रूप से हिंदी में करने के लिए चलाई जा रही 'मूल हिंदी टिप्पण व आलेखन प्रोत्साहन योजना' को नए वित्तीय वर्ष से लागू करवाया गया है। इस प्रतियोगिता के विजेताओं को प्रतिवर्ष हिंदी पखवाड़े के अंतर्गत आयोजित कार्यक्रम में पुरस्कृत किया जाएगा।

पुरस्कार वितरण समारोह

हिंदी लेख लेखन प्रतियोगिता और हिंदी पखवाड़ा 2021 के अंतर्गत आयोजित चार प्रतियोगिताओं के पुरस्कार वितरण का कार्यक्रम गणतंत्र दिवस-2022 के अवसर पर आयोजित किया जाना था, परंतु कोरोना महामारी में सामाजिक दूरी के नियमों का पालन करते हुए इस कार्यक्रम को स्थगित किया गया। हिंदी पखवाड़ा 2021 के पुरस्कार वितरण में लंबित समय एवं निकट भविष्य में किसी भी प्रकार के कार्यक्रम के आयोजन की असंभावितता को ध्यान में रखते हुए प्रतियोगिताओं के पुरस्कार वितरण का कार्यक्रम दिनांक 25 मार्च, 2022 को आयोजित हिंदी कार्यशाला में समायोजित किया गया।



हिंदी लेख लेखन प्रतियोगिता के हिंदी भाषी वर्ग में डॉ. प्रवीण कुमार (प्रथम), श्री. आशीष शर्मा (द्वितीय), सुश्री कुमारी माधुरी (तृतीय), डॉ. पंकज कुमार (प्रोत्साहन), श्री. अंबुज मिश्रा (प्रोत्साहन) को पुरस्कार प्राप्त हुए तथा हिंदीतर भाषी वर्ग में श्री. बप्पा कर्मकार (प्रथम), श्री. अभिजीत सरकार (द्वितीय), श्री. जयदीप कर्मकार (तृतीय), सुश्री रुबी शांति (प्रोत्साहन) श्री. पद्मनाभ पात्र (प्रोत्साहन), सुश्री क्षेत्रीमयुम देवरानी देवी (प्रोत्साहन) को पुरस्कार प्राप्त हुए। हिंदी पखवाड़े के अंतर्गत हिंदी निबंध लेखन प्रतियोगिता में श्री. राजेश निर्दोशी (प्रथम), श्री. आशुतोष पांडे (द्वितीय), श्री. अभिजीत सरकार (तृतीय), श्री. रोहित साहू (प्रोत्साहन), श्री. विजय पटेल (प्रोत्साहन); (2) हिंदी प्रश्नोत्तरी प्रतियोगिता में श्री. आशीष शर्मा—(प्रथम), श्री. देवाशीष सेन—(द्वितीय), सुश्री प्रियंबदा नायक, श्री. बाप्पा कर्मकार एवं श्री. विजय पटेल— (तृतीय संयुक्त); राजेंद्र प्रसाद धस्माना, श्री. चंद्रपाल, श्री. अभिषेक कुमार (प्रोत्साहन संयुक्त) को पुरस्कार प्राप्त हुए। यूनिकोड के माध्यम से हिंदी टंकण प्रतियोगिता में डॉ. इंद्रा सुलानिया (प्रथम), श्री.अशोक कोठारी (द्वितीय), श्रीमती मनविंदर कौर (तृतीय), श्री. गजानन चौधरी (प्रोत्साहन), श्री. अंबुज मिश्रा (प्रोत्साहन) को पुरस्कार प्राप्त हुए। हिंदी काव्य-पाठ प्रतियोगिता में श्री. मोहन निशल (प्रथम), (i) श्री. यदुवंश माथुर और श्री. आशीष शर्मा (द्वितीय संयुक्त), श्री. अंबुज मिश्रा (तृतीय), डॉ. इंद्रा सुलानिया, श्री. अभिजीत सरकार एवं श्रीमती पी.एस.लक्ष्मी (प्रोत्साहन संयुक्त) को पुरस्कार प्राप्त हुए।