



ANNUAL REPORT IIC-PRSU

Pt. Ravishankar Shukla
University, Raipur
Chhattisgarh

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MHRD'S
INNOVATION CELL
(GOVERNMENT OF INDIA)



About Pt. Ravishankar Shukla University

Pt. Ravishankar Shukla University is Chhattisgarh's largest and oldest institution of higher education, founded in 1964, and named after the first chief minister of erstwhile Madhya Pradesh. The University has a sprawling campus in the western part of the capital of Chhattisgarh, Raipur. The campus of University is spread in 300.16 acres of land. There are Twenty-Nine teaching departments in the University. Out of which six departments buildings have been constructed recently. A variety of self-financed courses have been initiated in some departments. The total number of employees is 700, who provide the administrative support at different levels.

Attracted by the opportunity to study and conduct advanced research with renowned professors and fellow scholars in one of the Chhattisgarh's most dynamic cities, students also come from the neighboring States. There are 5000 students enrolled for variety of courses offered by the departments who are steered under the guidance of more than 100 faculty members. Jurisdiction of RSU covers entire central and southern part of Chhattisgarh. There are 180 educational institutions affiliated to the University. In the academic year 2005-06, about 1,25,000 students were enrolled, both for undergraduate and postgraduate courses. The University plays a major role in the educational, cultural and economic life of the region

Vision of IIC established at the Institute

IIC-PRSU aims to systematically foster the culture of Innovation and Entrepreneurship amongst the students. The primary mandate of IIC is to encourage, inspire and nurture young students by supporting them to conceive business ideas and equip them to transform them into practical reality and thereby contributing to the nation's growth and development.

Mission of IIC established at the Institute

- Foster the culture of Innovation amongst Pt. Ravishankar Shukla University
- To encourage, inspire and nurture young students.
- To promote innovation eco-system in University

Journey of IIC established at the Institute

Pt. Ravishankar Shukla University has established Institution's Innovation Council (IIC) as per the guidelines of 'MoE's Innovation Cell in the year 2018. The initiative was to create a vibrant local innovation ecosystem, start-up supporting mechanism, establish a functional ecosystem for scouting ideas and pre-incubation of ideas and to develop better cognitive ability for technology students. PRSU-IIC is actively involved in organizing and conducting seminars, workshops, industrial visits, entrepreneurship programmes, brainstorming sessions & competitions etc. for its students and faculties.

Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.

IIC-PRSU has the diversified representation of the following persons

1. Prof. A.G. Ramakrishnan, IISc, Bangalore
2. Prof. Hare Krishna, Senior Professor & Head, Chaudhary Charan Singh University, Meerut
3. Prof. S. K. Pandey, Former Vice-Chancellor, Pt. Ravishankar Shukla University, Raipur
4. Prof. K.V.R. Murthy, President, Luminescence Society of India
5. Er. Sanjeev Jain, Advisor, CREDA, Raipur
6. Prof. Hulas Pathak, Head & PI-CEO, RKVY RAFTAAR Agri-Business Incubator (R-ABI), Professor, Dept. of Agribusiness & Rural Management, College of Agriculture, IGKV, Raipur.
7. Prof. R.N. Patel (Representative from Incubation Center, Prof. and Dean Innovation and Entrepreneurship cell, Chhattisgarh, Swami Vivekanand Technical University Bhilai.)
8. Mr. Rahul Mishra (Chairperson VGEL advisory board member, Austin University.)
9. Ms. Ritu Jain (Director, SR Corporate Consultancy Raipur)
10. Mr. Amitesh Sharma, Director, Greenfinity Powertech Pvt. Ltd
11. Mr. Rajib Das, Director, Greenfinity Powertech Pvt. Ltd

Apart from this the institution has linkages with the following organisations.

1. Indian Society for VLSI Education, Ranchi
2. Srijan Sanchar, Nagpur
3. Guru Ghasidas Vishwavidyalaya, Bilaspur
4. Rungta Group of Institutions

Brief mention of key functionaries at the IIC Institute

RESOURCE STRENGTH OF THE IIC-PRSU

Roles	Name & Details			
	Faculty Member	Student Members		
President	Prof. Kavita Thakur			
Convener, Member	Dr. Deependra Singh			
Member	Dr. Govind Prasad Sahu			
Innovation Activity, Member	Dr. Yugal Kishor Mahipal	Anita Bhoi	Deeksha Verma	Maniram Patel
IPR Activity Coordinator, Member	Dr. Manmohan Lal Satnami	Gajendra Singh Rathore	Riya Ritika Singh	

Internship Activity Coordinator, Member	Dr. Indrapal Karbhal	Neha Dewangan	Nisha Gupta
Start up Activity Coordinator, ARIIA Coordinator	Dr. Amber Vyas	Lokendra Singh Rathor	Shubhra Sinha
Social Media, NIRF Coordinator	Dr. Laxmi Kant	Falendra Kumar	Manjari Mishra

External Members

Name	Organization	Member
Dr. Amit Dubey	Chhattisgarh Council of Science & Technology	Patent expert
CA Ritu Jain	SR Corporate Consultant Private Limited	Start up/ Alumni Entrepreneur
Ms. Kshama Sengar	State Bank of India	Bank/Investor
Er. Sanjeev Jain	Chhattisgarh State Renewable Energy Development Agency	Expert from nearby Industry/Industry association/ Ecosystem Enablers
Mr. Rahul Misra	Virtual global education limited, advisory board member of austin university USA	Expert from nearby Industry/Industry association/ Ecosystem Enablers
Dr. Hulas Pathak	Dept. of Agribusiness & Rural Management, IGKV Raipur	Incubation Centre
Dr. R.N.Patel	Chhattisgarh Swami Vivekanand Technical University	Incubation Centre

Meetings Conducted by IIC-PRSU in 2022-23

Three meetings were conducted by IIC-PRSU in 2022-23 viz. on 03rd April, 15th May & 17th August 2023 with following highlights

- ❖ President of the Institute Innovation Council, Pt. Ravishankar Shukla University (IIC PRSU) Prof. Kavita Thakur discussed the formulation and function of IIC and shared the role and responsibility of council members as per the guidelines of MHRD innovation cell. She gave a presentation to highlight the council's core aspects and emphasized the importance of well-defined roles for both internal and external members to ensure effective collaboration and diverse insights. The significance of external members in bringing real-world industry perspectives was stressed. The presentation also reviewed previous activities of the third and fourth quarter including workshops, collaborative projects, and industry interactions. Additionally, she mentioned the IIC's wide-reaching scope across university departments and affiliated colleges, along with the introduction of the mentor-mentee scheme aimed at fostering student leadership and innovation.



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- ❖ Prof. Sachchidanand Shukla, Hon'ble Vice-Chancellor given an insight on vision of IIC and its importance in carrier development of students. He emphasized on inculcating the culture of critical thinking and innovation. He underlined the central goal of the IIC PRSU to foster a culture of innovation among students, extending beyond the confines of science to embrace diverse fields. He assured that an annual activity calendar will be followed, and plans are underway to design programs that leverage expertise from different domains.
- ❖ Prof. A.K.Gupta and Prof. K.K. Ghosh briefed the council about the past activities and updates of IIC to the council.
- ❖ Prof. Hulas Pathak expressed his perspective, noting that the council's activities contribute to continuous learning and expand participant's portfolios. He emphasized the potential for harnessing entrepreneurship and discussed the concept of an interface to facilitate the transformation of technologies, leading to early benefits. He suggested the establishment of a dedicated council program for both students and faculty members. Additionally, he highlighted the need for stronger industry-academia linkages to enhance the council's effectiveness in promoting innovation and entrepreneurship.
- ❖ Mr. Rahul Mishra emphasized bridging the gap between theoretical knowledge and practical exposure by engaging industry experts. He advocated for a hands-on approach and freedom to explore ideas, particularly in fields like C-technology, agribusiness, sports engineering, and medicine. He highlighted the significance of programs addressing niche areas and offered support for creating business plans and presentations to venture capitalists. Mr. Mishra stressed the importance of achieving a balance between academic learning and industry requirements. He introduced the concept of a brain factory. He pledged his support for bright ideas and niche programs, aiming to enhance students' employability through skill-based education.
- ❖ Prof. R.N Patel urged the core team to view training-related YouTube videos available in the IIC Portal of past training sessions. He emphasized the significance of NIRF and ARIIA rankings, underlining activity-based weightage and timely reporting of activities done in IIC. He offered assistance in understanding parameters and expressed the ultimate goals of successful startups. He shared the thought of turning Chhattisgarh into a dynamic startup hub.
- ❖ Ms. Ritu Jain emphasized the process of transforming concepts into viable business proposals. She highlighted the Importance of pitching ideas before venture capitalists. Ms. Jain also mentioned the expansive potential for entrepreneurship in solar cell technology and the facilitation of capital acquisition.
- ❖ Dr. Kamlesh Shrivastava and Dr. Manmohan Satnami given the importance of collaborative learning and research.

- ❖ Dr. Indrapal Karbhal stated the need of support system for patent filing.
- ❖ Dr. Ambar Vyas acknowledged the presence of numerous ideas and expressed sincere appreciation to all the attendees, assuring that every idea had been duly recorded.
- ❖ IIC AY 2023-24 activities were discussed, and responsibilities were given to respective IIC members along with the Important Dates of Celebration.

Activities Conducted by IIC-PRSU in 2022-23

IIC Activity (PRSU, Raipur)			
S. No.	Activity	Organizer	Date
1	IIC Council formation or upgradation (of existing council) at Institute level. Conduct first council meeting.	Prof. A.K.Gupta, Former President, IIC-PRSU	February 03, 2023
2	Technical Visit to State Power Distribution Corporation Limited (CSPDCL) Office Dagoniya, Amanaka, Raipur CG	SoS in Electronics and Photonics, PRSU	March 4, 2023
3	One day National Life Science Entrepreneurship Awareness Programme on National Science & Mathematics Day 2023	School of Studies in Biotechnology, Sponsored by CGCOST Raipur, CG	March 13, 2023
4	2 nd National Conference on Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics (NSSEMA-2023)	SoS in Physics and Astrophysics and SoS in Electronics and Photonics, PRSU in collaboration with Luminescence Society of India	March 16-18, 2023
5	Impact Lecture on creating awareness and skill on Innovation, Entrepreneurship & Start-ups by Hon'ble Vice-Chancellor Prof. S.N.Shukla	Institution Innovation Council, PRSU	April 03, 2023
6	Visit to IDEA Lab of Bhilai Institute of Technology (BIT) Durg, Chhattisgarh	SoS in Electronics and Photonics	April 15, 2023
7	University Fest: Abhyudaya-Hamar Parab	University's Student Union Council	April 17-21, 2023
8	Three days workshop on Advancements in Solar Photovoltaic Technologies	Institute of Renewable Energy Technology & Management and SoS in Electronics & Photonics in association with POC	April 27-29, 2023

9	18 th Chhattisgarh Young Scientist Congress (18 th CYSC-2023) to promote young scientists in various disciplines	Pt. Ravishankar Shukla University, Raipur Chhattisgarh and CGCOST Raipur, CG	May 03-04, 2023
10	03 Days National Conference in Tribal Traditional Cultural Lifestyle: Contemporary Scenario, Conservation Efforts & Prospects	S.O.S. in Sociology & Social Work, Pt. Ravishankar Shukla University, Raipur in association with Indian Council of Social Science Research, New Delhi	July 08-10, 2023
11	One Day Lecture on The New Era in US-India Partnership: Role and Opportunities for Students, Research Scholars and Academia by Dr. Anurag Mairal, Adjunct Professor, Stanford University, USA	S.O.S. in Computer Science & IT, Pt. Ravishankar Shukla University, Raipur	July 08, 2023
12	One Day Program on India Semiconductor Mission & MoU with Indian Society for VLSI Education, Ranchi, Jharkhand	Jointly organized by Renewable Energy Technology & Management and SoS. in Electronics & Photonics in association with Public Outreach Centre Indian Society for VLSI Education, Ranchi under the aegis of Public Outreach Centre	July 14, 2023
13	Energy Literacy Mission with aims to educate the masses on an understanding of energy generation and consumption, and its impact on the environment in the context of self, state, and country with 12 modules	Pt. Ravishankar Shukla University, Raipur Chhattisgarh	July 29, 2023
14	IIC Council Meeting- Review of Q4 progress and Planning for Q1 Session (2023-24)	Dr. Kavita Thakur, President, IIC-PRSU	August 17, 2023
15	Celebration of "World Entrepreneurship Day"	Institution Innovation Council, PRSU	August 21, 2023
16	Lecture On Cognitive Skills: A problem-solving approach	Hon'ble Vice-Chancellor Prof. S.N. Shukla, Pt. Ravishankar Shukla University, Raipur Chhattisgarh	August 25, 2023

Best Innovations & Images with Mention of Inventor/ Innovation Name

Innovation Name: "IOT BASED SOLAR POWER MONITORING SYSTEM"

Status: Project Submitted to State Planning Commission under Financial Assistance for the purpose of Encouraging Innovations Scheme

Inventor Name: Pushpraj Sahu, Soniya Sahu

Cityभास्कर

रायपुर, गुरुवार 22 जून, 2023

अक्षय ऊर्जा प्रौद्योगिकी डिपार्टमेंट की टीम ने ग्रीन एनर्जी पर प्रोजेक्ट बनाया रवि ने बनाया आईओटी बेस्ड सिस्टम पावर प्रोडक्शन बढ़ेगा, पैनल क्लीन करेगा

सिटी रिपोर्टर. रायपुर

पं. रविशंकर शुक्ल विश्वविद्यालय के अक्षय ऊर्जा प्रौद्योगिकी एवं प्रबंधन विभाग की टीम सोलर एनर्जी प्रोजेक्ट पर काम कर रही है। यहां के स्टूडेंट्स ने इंटरनेट ऑफ थिंग्स (आईओटी) के बढ़ते ग्राफ को देखते हुए ही तीन अलग-अलग सोलर सिस्टम प्रोजेक्ट तैयार किया है। ये सोलर पैनल क्लीन करेगा, सूरज की रोशनी ज्यादा कॅज्यूर करेगा और सिस्टम की मॉनिटरिंग भी करेगा। भविष्य में इसे आर्टिफिशियल इंटेलिजेंस के साथ जोड़ने की प्लानिंग भी की जा रही है। अक्षय ऊर्जा प्रौद्योगिकी डिपार्टमेंट की समन्वयक डॉ. कविता ठाकुर ने बताया कि स्टूडेंट्स की टीम ने ग्रीन एनर्जी पर कई प्रोजेक्ट बनाया है। इसमें रोबोट बेस्ड सोलर मॉनिटरिंग सिस्टम, सोलर ट्रैकर और ऑटोमैटिक क्लीनर के प्रोजेक्ट शामिल हैं। आगे इन प्रोजेक्ट का प्रोटो-टाइप तैयार किया जाएगा। अक्षय ऊर्जा डिपार्टमेंट के असिस्टेंट प्रोफेसर गजेन्द्र सिंग राठौर इन स्टूडेंट्स को गाइड कर रहे हैं। प्रोजेक्ट्स के अनुमानित खर्च पर उन्होंने बताया कि आईओटी प्रोजेक्ट पर 30 से 40 हजार का इन्वेस्ट कर बड़े प्लांट भी बनाए जा सकते हैं।



सूर्य के मूवमेंट को ट्रैक करेगा

एनर्जी टेक्नोलॉजी एंड मैनेजमेंट के स्टूडेंट्स संचिता सिंह और करण सिंह ने आटोमैटिक सोलर ट्रैकर तैयार किया है। ये सिस्टम सूर्य के मूवमेंट के अनुसार ही ऑटोमैटिकली सोलर पैनल के पोजिशन को एडजस्ट करेगा। संचिता और करण ने बताया कि सोलर पैनल एक जगह ही स्थिर होता है। जबकि पृथ्वी के घूमने के कारण एनर्जी कम प्रोड्यूस होती है। ऐसे में जितनी एफिशिएंसी मिलनी चाहिए, उतनी मात्रा में नहीं मिल पाती। ऐसे में इस ट्रैकर सिस्टम के जरिए मैक्सिमम इलेक्ट्रिसिटी प्रोड्यूस की जा सकती है।

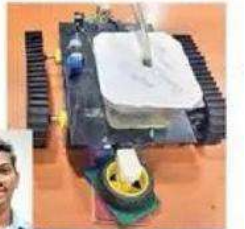


सोलर पैनल अब ऑटोमैटिक होगा क्लीन

डिपार्टमेंट के फोर्थ सेमेस्टर के स्टूडेंट विनीत साहू और मीनल साहू ने रोबोट बेस्ड ऑटोमैटिक सोलर पैनल क्लीनिंग सिस्टम तैयार किया है। इस सिस्टम के जरिए बगैर किसी मैनपावर के सोलर पैनल की क्लीनिंग की जा सकेगी। इसका फायदा ये होगा कि कम समय में पैनल की सफाई होगी और समय-समय में सफाई होने से पावर प्रोडक्शन की क्षमता बनी रहेगी। विनीत और मीनल ने बताया कि आने वाले समय में इस सिस्टम को बेहतर नेविगेशन के लिए एआई आर्टिफिशियल इंटेलिजेंस एल्गोरिदम के साथ पूरी तरह से ऑटोमैटिक किया जा सकता है। सोलर पैनल के रियल टाइम परफॉर्मंस और माइनर डैमेज को डिटेक्ट भी किया जा सकेगा।

टेम्प्रेचर की होगी मॉनिटरिंग

एनर्जी टेक्नोलॉजी एंड मैनेजमेंट के स्टूडेंट्स पुष्पराज साहू और सोनिया साहू ने आईओटी बेस्ड सोलर पावर मॉनिटरिंग सिस्टम तैयार किया है। यह सिस्टम अलग-अलग पैरामीटर जैसे वोल्टेज, लाइट इंटेंसिटी और टेम्प्रेचर को माइक्रो कंट्रोलर के जरिए रियल टाइम में मापता है। इस सिस्टम में सोलर पैनल को मॉनिटर करने के लिए एक मोबाइल एप्लीकेशन भी डेवलप किया गया है। मोबाइल एप्लीकेशन के जरिए सोलर सिस्टम से संबंधित अलर्ट मैसेज ले सकते हैं।



Innovation Name: "SMART HELMET"

Status: Project Submitted to State Planning Commission under Financial Assistance for the purpose of Encouraging Innovations Scheme

Inventor Name: Arun Patel, Bhumika Sahu



#InnovativeNews: रविवि के इलेक्ट्रॉनिक्स के स्टूडेंट्स का नवाचार

स्मार्ट हेलमेट से थमेंगे सड़क हादसे

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रायपुर . सड़क हादसों में जान जाने या विकलांग होने की प्रमुख वजह बिना हेलमेट के बाइक चलाना है। डब्ल्यूएचओ की रिपोर्ट के मुताबिक दुनियाभर में हर साल 1.35 मिलियन लोग हेलमेट न पहनने के कारण दुर्घटनाओं के शिकार होते हैं।

इन्हें ध्यान में रखते हुए पं. रविशंकर शुक्ल विवि के एमएससी फाइनल ईयर (इलेक्ट्रॉनिक्स) के अरुण पटेल और भूमिका साहू ने स्मार्ट हेलमेट बनाया है। इसमें कई ऐसे फीचर हैं जिससे एक्सीडेंट में कमी आएगी और लोगों की जान बचाई जा सकेगी। अरुण ने बताया, यदि इसे बल्क में बनाया जाए तो इसकी लागत प्रति हेलमेट 4 हजार के आसपास होगी। फिलहाल हमने इसे 2500 रुपये में तैयार किया है।



स्मार्ट हेलमेट के साथ अरुण और भूमिका

ऊपर दिए ब्यूआर कोड स्कैन कर वीडियो देखें...

ऐसे आया आइडिया

राजधानी के देवपुरी निवासी अरुण ने बताया, रोड ट्रांसपोर्ट मिनिस्टरी 2021 की रिपोर्ट के मुताबिक हर साल 7.5 लाख एक्सीडेंट हो रहे हैं। इनमें से डेढ़ लाख मौतें हो रही हैं। यह आंकड़ा हेलमेट न पहनने से हुए हादसों का है। इसलिए हमने सोचा कि ऐसा कुछ किया जाए जिससे लोगों में अवेयरनेस हो और दुर्घटनाओं में कमी आए। अभी इस प्रोजेक्ट में काम चल रहा है।

यह होगा फायदा

- बिना हेलमेट के बाइक स्टार्ट ही नहीं होगी।
- अगर हादसा हुआ तो लोकेशन समेत घर में मैसेज चला जाएगा। घर वाले लोकेशन पर पहुंच सकते हैं।
- कोई ट्रक ड्राइवर शराब पीया हो तो 10 मीटर के दायरे में आते ही आपको सूचना मिल जाएगी। इससे आप एलर्ट होकर बाइक बिल्कुल साइड कर लेंगे।
- कोई ठोक कर निकल जाए तो हेलमेट में लगा कैमरा उस गाड़ी का नंबर कैचर कर लेगा।



इन चीजों का इस्तेमाल

- एमक्यू 3 एल्कोलहल सेंसर
- लिमिट स्वीच
- जीएसएम मॉड्यूल
- जीपीएस मॉड्यूल
- याइब्रेशन सेंसर
- पल्स रेट सेंसर
- कैमरा



Detail of Social Media & Connections of IIC institute



<https://www.facebook.com/profile.php?id=61550557089486>

Contact



Prof. Kavita Thakur
President
Institute Innovation Council
Pt. Ravishankar Shukla University
Raipur 492010 [Chhattisgarh]
<https://www.prsu.ac.in/>
iicpresident.prsu@gmail.com

Images




President
Institution's Innovation Council
Pt. Ravishankar Shukla University



इलेक्ट्रॉनिकी एवं फोटोनिकी अध्ययनशाला



पं. रविशंकर शुक्ल विश्वविद्यालय , रायपुर (छ.ग.)

दो दिवसीय सॉफ्ट स्किल ट्रेनिंग प्रोग्राम

08 - 09 सितम्बर 2022

आजादी के अमृत महोत्सव के तहत आज दिनांक आज 08-09-22 इलेक्ट्रॉनिकी एवं फोटोनिकी अध्ययनशाला पंडित रविशंकर शुक्ल विश्वविद्यालय रायपुर एवं धवला कंसल्टेंट प्राइवेट लिमिटेड भिलाई के सयुक्त तत्वाधान में दो दिवसीय सॉफ्ट स्किल ट्रेनिंग प्रोग्राम के आयोजन का शुभारंभ मुख्य अतिथि माननीय कुलपति प्रो. केसरी लाल वर्मा के कर कमलों से संपन्न हुआ।

कार्यक्रम में अति विशिष्ट अतिथि आचार्य डॉ. हर्षवर्धन तिवारी, सेवनिर्वित प्रोफेसर, इलेक्ट्रॉनिकी अध्ययनशाला पं. र. वि. वि. रायपुर, विशिष्ट अतिथि कुलसचिव पं. र. वि. वि. रायपुर, विभाग अध्यक्ष डॉ. कविता ठाकुर, डॉ. संजय तिवारी निर्देशक, धवला कंसल्टेंट प्राइवेट लिमिटेड सु. श्रीमती श्रीलता धवला, सहनिर्देशक, धवला कंसल्टेंट प्राइवेट लिमिटेड डॉ. लक्ष्मी प्रसाद, सी. ई. ओ., धवला कंसल्टेंट प्राइवेट लिमिटेड सुश्री सुनीता दास, डॉ. नमिता ब्रह्मे विभागाध्यक्ष भौतिकी अध्ययनशाला, शोध छात्र- नेहा देवांगन, नमन शुक्ल, सुनंदन मंडल सहित लगभग 65 विद्यार्थीगण उपस्थित थे।

सरस्वती वंदना एवं कुलगीत के पश्चात माननीय कुलपति जी ने विद्यार्थियों को सॉफ्ट स्किल की विभिन्न आयामों जैसे पब्लिक स्पीकिंग, लीडरशिप मैनेजमेंट, कॉन्फ्लिक्ट मैनेजमेंट, इंटरपर्सनल स्पीकिंग की जानकारी दी और उन्होंने बताया कि इन आयामों को आत्मसात करते हुए व्यवहारिक जीवन में लागू करने में ही इन आयोजनों की सार्थकता साबित होगी।

कार्यक्रम के अति विशिष्ट अतिथि डॉ. आचार्य हर्षवर्धन तिवारी, पूर्व विभागाध्यक्ष, इलेक्ट्रॉनिकी अध्ययनशाला एवं पूर्व कुलपति बरकातुल्लाह वि. वि. भोपाल ने विद्यार्थियों को संबोधित करते हुए कहा - विद्यार्थियों को हमेशा जिज्ञासु प्रवृत्ति का होना चाहिए और कम्युनिकेशन स्किल उनकी सफलता में मील का पत्थर साबित हो सकता है। सैद्धांतिक ज्ञान के साथ-साथ प्रायोगिक ज्ञान की आवश्यकता पर जोर दिया स्मार्ट डिवाइस का उपयोग करने के साथ-साथ विद्यार्थियों को प्रयोग के क्षेत्र में भी स्मार्ट होना आवश्यक है।

विभागाध्यक्ष डॉ. कविता ठाकुर जी ने स्वागत संबोधन करते हुए दो दिवसीय कार्यक्रम की रूपरेखा से अवगत कराया एवं विद्यार्थियों के सर्वांगीण विकास के लिए सॉफ्ट स्किल के आयाम मैपिंग डायमेशन अर्थात् पब्लिक स्पीकिंग, लीडरशिप, टाइम एवं स्ट्रेस मैनेजमेंट के आयामों को पूर्ण पर्सनलिटी डेवलपमेंट में मैप करने के महत्व पर प्रकाश डाला।

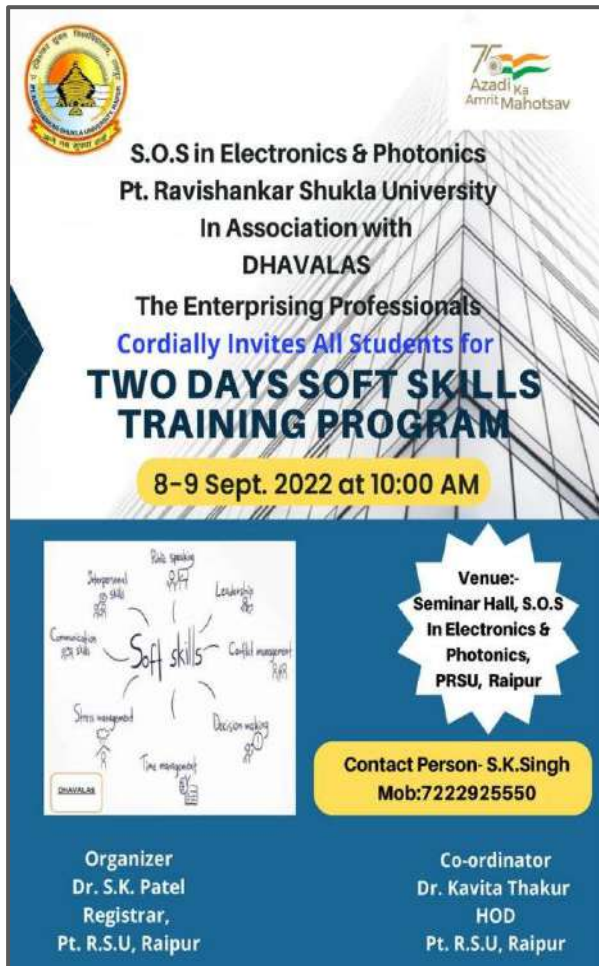
कार्यक्रम के संयोजक, धावला कंसलटेंट प्राइवेट लिमिटेड भिलाई, श्रीमती श्रीलता धावला ने विद्यार्थियों को सॉफ्ट स्किल ट्रेनिंग की आवश्यकता से अवगत कराया।

कुलसचिव, पंडित रविशंकर शुक्ल विश्वविद्यालय रायपुर, डॉक्टर शैलेंद्र पटेल ने सॉफ्ट स्किल के साथ-साथ हार्ड स्किल की महत्ता को बताते हुए पुरजोर शब्दों के साथ सभा को संबोधित किया।

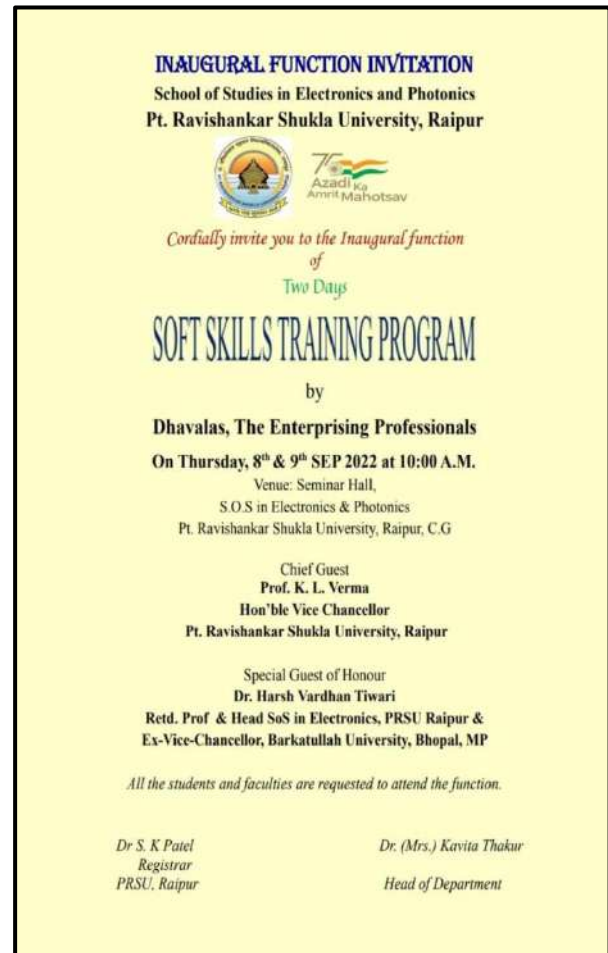
अध्ययनशाला के वरिष्ठ प्रोफेसर डॉ संजय तिवारी ने छात्र जीवन में शून्य से शिखर तक पहुंचने के लिए सॉफ्ट स्किल के विभिन्न नियमों से अवगत कराया।

कार्यक्रम का संचालन कु. आयुशी सोनी एवं श्री सोनू कुमार सिंह एवं आभार ज्ञापन श्री मोहनीश कुमार साहू के द्वारा किया गया।

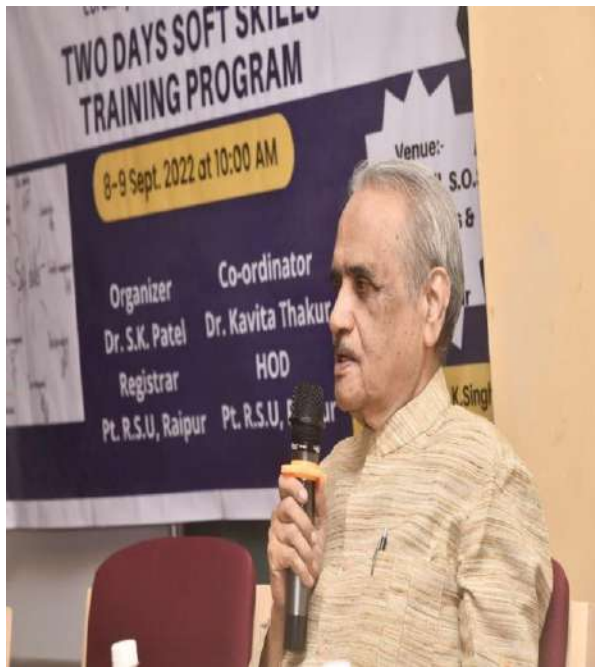
इलेक्ट्रॉनिक्स एवं फोटोनिक्स अध्ययनशाला पं. र. वि. वि. के छात्र- छात्राओं के साथ वि. वि. के अन्य अध्ययन शाला के छात्र-छात्राओं ने भी कार्यक्रम में भाग लिया।



The poster features a blue and white color scheme. At the top left is the university logo, and at the top right is the 75th Azadi Ka Amrit Mahotsav logo. The main text reads: 'S.O.S in Electronics & Photonics Pt. Ravishankar Shukla University In Association with DHAVALAS The Enterprising Professionals Cordially Invites All Students for TWO DAYS SOFT SKILLS TRAINING PROGRAM 8-9 Sept. 2022 at 10:00 AM'. Below this is a diagram of soft skills including Supervisory skills, Public speaking, Leadership, Communication skills, Soft skills, Conflict management, Stress management, Time management, and Decision making. A starburst graphic contains the venue information: 'Venue:- Seminar Hall, S.O.S In Electronics & Photonics, PRSU, Raipur'. A yellow box at the bottom right provides contact details: 'Contact Person- S.K.Singh Mob:7222925550'. At the bottom, the organizer and co-ordinator are listed: 'Organizer Dr. S.K. Patel Registrar, Pt. R.S.U, Raipur' and 'Co-ordinator Dr. Kavita Thakur HOD Pt. R.S.U, Raipur'.



The invitation is on a yellow background. It starts with 'INAUGURAL FUNCTION INVITATION' and 'School of Studies in Electronics and Photonics Pt. Ravishankar Shukla University, Raipur'. It includes the university and Azadi Ka Amrit Mahotsav logos. The text reads: 'Cordially invite you to the Inaugural function of Two Days SOFT SKILLS TRAINING PROGRAM by Dhavalas, The Enterprising Professionals On Thursday, 8th & 9th SEP 2022 at 10:00 A.M. Venue: Seminar Hall, S.O.S in Electronics & Photonics Pt. Ravishankar Shukla University, Raipur, C.G'. It lists the Chief Guest as 'Prof. K. L. Verma Hon'ble Vice Chancellor Pt. Ravishankar Shukla University, Raipur' and the Special Guest as 'Dr. Harsh Vardhan Tiwari Retd. Prof & Head SoS in Electronics, PRSU Raipur & Ex-Vice-Chancellor, Barkatullah University, Bhopal, MP'. A request to attend is followed by the names of the Registrar and Head of Department: 'Dr. S. K Patel Registrar PRSU, Raipur' and 'Dr. (Mrs.) Kavita Thakur Head of Department'.





दैनिक भास्कर सिटी भास्कर रायपुर 08-09-2022

पब्लिक स्पीकिंग और लीडरशिप की देंगे ट्रेनिंग

सिटी रिपोर्टर | पं रवि कि के इलेक्ट्रॉनिक्स एवं फोटोनिक्स अध्ययनशाला में आज गुरुवार से दो दिवसीय सॉफ्ट स्किल ट्रेनिंग प्रोग्राम रखा जा रहा है। विभागाध्यक्ष डॉ कविता ठाकुर ने बताया, कैंपस में सुबह 10 बजे से होने वाले कार्यक्रम में पब्लिक स्पीकिंग, लीडरशिप, इंटरपर्सनल स्किल, कम्युनिकेशन स्किल, डिस्ीजन मेकिंग, कॉम्प्लेंट मैनेजमेंट, टाइम मैनेजमेंट के बार में जानकारी दी जाएगी। कार्यक्रम में प्रवेश निशुल्क है।

कार्यक्रम रवि में सॉफ्ट स्किल ट्रेनिंग प्रोग्राम में बोले वक्ता सफलता के लिए मील का पत्थर साबित होगी कम्युनिकेशन स्किल

Zoom रिपोर्टर

रायपुर। रवि के इलेक्ट्रॉनिक्स एवं फोटोनिक्स अध्ययनशाला में दो दिवसीय सॉफ्ट स्किल ट्रेनिंग प्रोग्राम का आयोजन किया गया। चौथे रेट कुलपति केएल वर्मा ने कहा कि विभिन्न अवसरों को आत्मसात करते हुए व्यावहारिक जीवन में लागू करके ही इन अवसरों को सार्थकता साबित होगी।

अकरादुल्लाह रवि भोपाल के पूर्व कुलपति आचार्य हर्ष वर्दन तिवारी ने कहा, विद्यार्थियों को हमेशा जिससु प्रवृत्ति का होना चाहिए। कम्युनिकेशन स्किल उनकी सफलता में मील का पत्थर साबित



व्यक्तित्व विकास में अहम है आत्मविश्वास

रवि के कुलसचिव रोलेन्द्र पटेल ने सॉफ्ट स्किल के साथ-साथ हार्ड स्किल को महत्ता को बताया। प्रोफेसर संजय टिवारी ने छात्र जीवन में रूढ़ि से शिक्कर तक बूढ़पन के लिए सॉफ्ट स्किल के विभिन्न अंगों के बारे में विभिन्न जानकारी दी। सुनित दाल ने आत्मविश्वास को जागृत करने इसका व्यक्तित्व विकास में भूमिका को बताया। श्रीलता

हो सकता है। सैद्धांतिक के साथ-साथ व्यावहारिक ज्ञान की आवश्यकता भी स्मार्ट होना आवश्यक है।

प्रथम तकनीकी सत्र 08.09.2022

कार्यक्रम के द्वितीय चरण में आत्मविश्वास को कैसे जागृत करें इस विषय पर सुश्री सुनीता दास ने व्याख्यान दिया और किस प्रकार व्यक्तित्व विकास में कारगर साबित हो सकता है बताया। निर्देशक श्रीलता धावला ने सेल्फ अवेयरनेस, कैरेक्टर बिल्डिंग आत्मविश्वास पर व्याख्यान दिया एवं खेल-खेल में सत्र को रोचक बनाया। प्रथम दिवस के समापन में उन्होंने ने संदेश दिया की स्वयं को सशक्त करके ही सफलता हासिल की जा सकती है।



सॉफ्ट रिस्कल ट्रेनिंग प्रोग्राम , दूसरा दिन : दिनांक - 09.09.2022

ट्रेनिंग प्रोग्राम के दूसरे दिन अर्थात 09.09.2022 में श्री टी पी पाढ़ी, सी. ई. ओ. धावला वाटर रिसोर्सेज प्रोजेक्ट प्राइवेट लिमिटेड, भिलाई, लक्ष्मी प्रसाद सहनिर्देश , धावलास कंसलटेंट प्राइवेट लिमिटेड , भिलाई एवं निर्देशक श्रीमती श्रीलता धावला जी ने शिरकत की। श्री टी.पी. पाढ़ी, ने टीम वर्क किसे कहते हैं?, टीम का महत्व क्यों जरूरी है?, टीम के कौशल और टीम के फायदों को बहुत ही रोचक तरीके से प्रस्तुत किया। इसके साथ ही जिम्मेदारी लेना, रिस्क लेना, किसी समस्या का समाधान करने की क्षमता और समय के सदुपयोग का भी बहुत अच्छे ढंग से इस कार्यशाला के माध्यम से साझा किया।

डॉ. लक्ष्मी प्रसाद जी ने कहा लोगों के साथ व्यवहार कुशलता किसी भी व्यक्ति के सर्वांगीण विकास के लिए लोक व्यवहार एक बहुत ही महत्वपूर्ण आयाम है। लोक व्यवहार की जरूरत और महत्व, अच्छे से बातचीत करना, कब हां और कब ना करना है, कैसे असहमत होना है?, कैसे हम किसी की तारीफ करें, कब और कैसे आलोचना करे, साथ ही कैसे तहे दिल से धन्यवाद करें। इन्होंने इन सभी पहलुओं पर बहुत ही खूबसूरत तरीके से प्रकाश डाला और कहा कि यह जीवन पर्यंत सीखते रहने और अपनी आदत बनाने की प्रक्रिया है।

श्रीमती श्रीलता धावला ने बहुत ही रोचक तरीके से संचार कौशल के नियम को समझाया। उन्होंने बॉडी लैंग्वेज सही रखने, बातों को ध्यान से सुनने, व्यक्ति को समझने एवं सही शब्दों का प्रयोग करने की ओर सबका ध्यान

आकर्षित किया। उन्होंने बॉडी लैंग्वेज पर आधारित खेल करवाएं। क्रिएटिविटी को बढ़ाने के लिए 30 सर्कल गेम करवाया गया। साक्षात्कार में प्रदर्शन को बढ़ाने के लिए साक्षात्कार कौशल को बहुत ही रोचक ढंग से बताया।

कार्यक्रम के अंत में विभागाध्यक्ष डॉ. कविता ठाकुर ने सॉफ्ट स्किल पर आधारित कार्यक्रम में श्री डी.पी. पाठी के द्वारा उधबोधित टीम वर्क के महत्व और उसकी आवश्यकताओं एवं डॉक्टर लक्ष्मी प्रसाद के द्वारा समझाएं लोक व्यवहार के महत्व और उसकी उपयोगिता की प्रशंसा की। श्रीमती श्री लता धावला के द्वारा बॉडी लैंग्वेज, क्रिएटिविटी एवं साक्षात्कार कौशल बढ़ाने के लिए खेल पाए गए गेम की पूरी-पूरी प्रशंसा की। अंत में उन्होंने वक्ताओं का आभार व्यक्त करते हुए आयोजन का समापन किया।





दो दिवसीय सॉफ्ट स्किल ट्रेनिंग प्रोग्राम



रायपुर। रविवि के इलेक्ट्रॉनिक एवं फोटोनिकी अध्ययन शाला में दो दिवसीय साफ्ट स्किल ट्रेनिंग प्रोग्राम का आयोजन हुआ। जिसमे पहले दिन मुख्य अतिथि वाइस चांसलर प्रो. केएल वर्मा एवं विशिष्ट अतिथि आचार्य हर्षवर्धन तिवारी रहे। दूसरे दिन शुक्रवार को कार्यक्रम में सीईओ टीपी पाटी, एसोसियट डायरेक्टर डॉ. लक्ष्मी प्रसाद, डायरेक्टर श्रीलता धावला एवं विभागाध्यक्ष डॉ. कविता ठाकुर उपस्थित रहीं। इस दौरान श्री पाटी ने उपस्थित छात्रों को जिम्मेदारी लेना, रिस्क लेना, किसी समस्या का समाधान करने की क्षमता और समय के सदुपयोग को कार्यशाला के माध्यम से बताया।

सर्वांगीण विकास के लिए लोक व्यवहार महत्वपूर्ण आयाम

रायपुर @ पत्रिका. रविवि के इलेक्ट्रॉनिकी एवं फोटोनिकी अध्ययनशाला की ओर से सॉफ्ट स्किल ट्रेनिंग के दूसरे दिन वक्ता टीपी पाटी ने टीम वर्क किसे कहते हैं?, टीम का महत्व टीम क्यों जरूरी है?, टीम के कौशल और टीम के फायदों को बहुत ही रोचक तरीके से प्रस्तुत किया। इसके साथ ही जिम्मेदारी लेना, रिस्क लेना, किसी समस्या का समाधान करने की क्षमता और समय के सदुपयोग पर भी अपनी बात रखी। लक्ष्मी प्रसाद ने कहा, किसी भी व्यक्ति के सर्वांगीण विकास के लिए लोक व्यवहार एक बहुत ही महत्वपूर्ण आयाम है। लोक व्यवहार की जरूरत और महत्व, अच्छे से बातचीत करना, कब हाँ और कब ना करना है, कैसे असहमत होना है, कैसे हम किसी की तारीफ करें, कब और कैसे आलोचना करें, साथ ही कैसे तहे दिल से धन्यवाद करें, इन बातों को उदाहरण समेत बताया। श्रीलता शास्त्री धावला ने संचार कौशल के नियम को समझाया। उन्होंने बॉडी लैंग्वेज सही रखने, बातों को ध्यान से सुनने, व्यक्ति को समझने एवं सही शब्दों का प्रयोग करने की ओर सबका ध्यान आकर्षित किया।



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ENERGY LITERACY TRAINING PROGRAM

आजादी के अमृत महोत्सव के उपलक्ष्य में पं. रविशंकर शुक्ल विश्वविद्यालय के अक्षय ऊर्जा प्रौद्योगिकी एवं प्रबंधन संस्थान, इलेक्ट्रॉनिक्स एवं फोटोनिक्स अध्ययनशाला, क्रेडा, रायपुर तथा एनर्जी स्वराज फाउंडेशन मुंबई के संयुक्त तत्वाधान में आज दिनांक 26/11/2022 को एक दिवसीय Energy Literacy Training कार्यक्रम का आयोजन किया गया।

कार्यक्रम का शुभारंभ माँ सरस्वती के पूजन से किया गया जिसके पश्चात मुख्य अतिथियों का स्वागत एवं संबोधन विभागाध्यक्ष इलेक्ट्रॉनिक्स एवं फोटोनिक्स तथा समन्वयक, अक्षय ऊर्जा प्रौद्योगिकी एवं प्रबंधन संस्थान रायपुर, डॉ कविता ठाकुर के द्वारा किया गया उन्होंने कार्यक्रम के उद्देश्य के बारे में समस्त विद्यार्थियों एवं विभाग के शिक्षकों को अवगत कराया।

जिसके पश्चात कार्यक्रम के विशिष्ट अतिथि श्री संजीव जैन, मुख्य अभियंता, क्रेडा ने विद्यार्थियों को संबोधित करते हुए सौर ऊर्जा को अपने दैनिक जीवन में उपयोग करने के लिए प्रेरित किया और उसके फायदों के बारे में विद्यार्थियों को बताया।

कार्यक्रम के मुख्य अतिथि प्रो केशरी लाल वर्मा, कुलपति पं. रविशंकर शुक्ल विश्वविद्यालय रायपुर ने विशिष्ट अतिथि श्री संजीव जैन को इस कार्यक्रम के द्वारा विद्यार्थियों को Energy Literate बनाने के लिए आभार व्यक्त किया। उन्होंने कार्यक्रम के उद्देश्य को देखते हुए इसे विश्वविद्यालय के अंतर्गत 151 महाविद्यालयों में आयोजित करने का विचार व्यक्त किया जिससे ज्यादा से ज्यादा लोग जागरूक हो सकें और अक्षय ऊर्जा का उपयोग दैनिक जीवन में कर सकें।

इसके पश्चात श्री संजीव जैन ने कार्यक्रम को आगे बढ़ाते हुए डॉ.चेतन सिंह सोलंकी, प्रोफेसर आई आई टी मुंबई जिन्हें सोलर मैन ऑफ इंडिया भी कहा जाता है, के Energy Literacy Training के 12 modules द्वारा प्रतिभागियों को Energy Literate किया गया, जिसका उद्देश्य प्रत्येक व्यक्ति के ऊर्जा खपत के बारे में बताना एवं ऊर्जा संरक्षण कैसे किया जाए उन साधनों के बारे में अवगत कराना था। साथ ही साथ उन्होंने ऊर्जा संरक्षण एवं अक्षय ऊर्जा उत्पादन तथा कार्बन उत्सर्जन को कम करने में क्रेडा की सहभागिता के बारे में बताया।

उदघाटन सत्र की उद्घोषिका डॉ बसुमती नाडिग थी, इलेक्ट्रॉनिक्स विभाग की शिक्षिका आयुषी सोनी ने धन्यवाद ज्ञापन किया। ट्रेनिंग सत्र के अंत में क्विज प्रतियोगिता का आयोजन हुआ जिसमें विश्वविद्यालय के विभिन्न अध्ययनशालाओं से करीब ७० से अधिक छात्र छात्राओं ने हिस्सा लिया। ट्रेनिंग सत्र के समापन पर अक्षय ऊर्जा विभाग के गजेंद्र सिंह राठौर ने धन्यवाद ज्ञापित किया। उक्त कार्यक्रम में इलेक्ट्रॉनिक्स विभाग के सुनंदन मंडल, सोनू कुमार सिंह, शालिनी वर्मा तथा अक्षय ऊर्जा विभाग के अंकुर श्रीवास्तव, कुसुम सोनकर एवं लतिका सिंह सहित दोनों अध्ययनशालाओं के समस्त विद्यार्थी मौजूद थे।



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150 कॉलेज में होगी एनर्जी लिटरेसी ट्रेनिंग

रायपुर @ पत्रिका . आजादी के अमृत महोत्सव पर में रविवि में एक दिवसीय एनर्जी लिटरेसी ट्रेनिंग का आयोजन किया गया। अक्षय ऊर्जा प्रौद्योगिकी एवं प्रबंधन संस्थान, इलेक्ट्रानिक्स एवं फोटोनिक्स अध्ययनशाला, क्रेडा, रायपुर और एनर्जी स्वराज फाउंडेशन मुंबई के संयुक्त तत्वावधान में आयोजित कार्यक्रम के चीफ गेस्ट कुलपति केएल वर्मा थे। उन्होंने कार्यक्रम के उद्देश्य को देखते हुए इसे विवि के अंतर्गत 151 महाविद्यालयों में आयोजित करने का विचार व्यक्त किया जिससे ज्यादा से ज्यादा लोग जागरूक होकर अक्षय ऊर्जा का उपयोग दैनिक जीवन में कर सकें। विशिष्ट अतिथि अभिर्यता क्रेडा के चीफ



इंजीनियर संजीव जैन मुख्य ने सौर ऊर्जा को अपने दैनिक जीवन में उपयोग करने के लिए प्रेरित किया और उसके फायदे गिनाए। सोलरमैन ऑफ इंडिया के टाइटल से चर्चित आईआईटी मुंबई

के प्रोफेसर चेतन सिंह सोलंकी ने एनर्जी लिटरेसी ट्रेनिंग के 12 मॉड्यूल ऊर्जा की जानकारी दी। इसमें प्रति व्यक्ति ऊर्जा खपत, ऊर्जा संरक्षण के साधनों के बारे में बताया गया।



S.O.S. IN ELECTRONICS & PHOTONICS

PT. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR (C.G.)

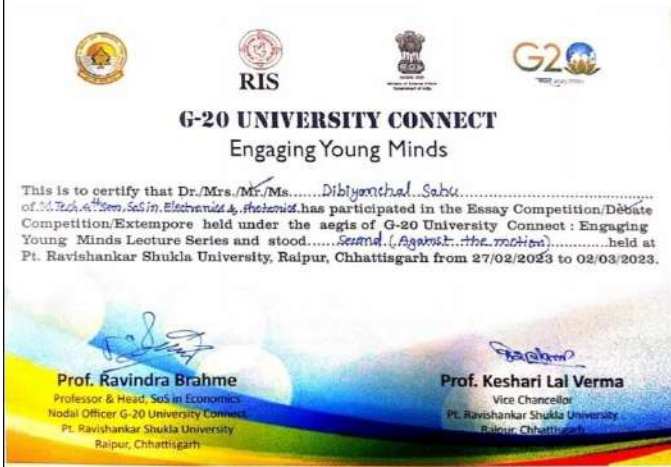


Report

“G-20 University Connect”

On the day 27/02/2023 Monday, G-20 University Connect was held at S.O.S. in Economics, Pt. Ravishankar Shukla University, Raipur. There were few competitions was held like Debate Competition on topic “The G-20 provides the way for its member countries to overcome obstacles for economic development”, Essay Competition on topic “One Earth, One Family, One Future” and Improvised Speech Competition in which 17 students of M. Sc IInd and IVth Semester and M. Tech IInd and IVth Semester of S.O.S in Electronics and Photonics have been participated. On 4th March 2023 Prize Distribution was held at Pt. Dindayal Upadhyay Auditorium, in which for Debate Competition Dibiyanchal Sahu of M.Tech IVth Semester was participated against the motion and got second position.





NATIONAL CONFERENCE ON SIGNAL PROCESSING, SUSTAINABLE ENERGY MATERIALS, AND ASTRONOMY AND ASTROPHYSICS

It is a matter of great privilege that the School of Studies in Electronics & Photonics, School of Studies in Physics and Astrophysics, and Luminescence Society of India organized 3-days National Conference on Signal Processing, Sustainable Energy Materials and Astronomy and Astrophysics (NSSEMA).

On the first day i.e., on the 16th of March 2023, the conference was inaugurated by chief guest Prof. Keshari Lal Verma, Honorable Vice Chancellor of Pt. Ravishankar Shukla University, Raipur, Guest of Honor Prof. S. K. Pandey, Former Vice-Chancellor, Pt. Ravishankar Shukla University, Raipur, Prof. A.G. Ramakrishnan, IISc, Bangalore, and Prof. K.V.R. Murthy, President, Luminescence Society of India.

The inaugural session was started with lamp lighting and the welcome speech by Prof. Kavita Thakur, Convener, and Head, S.O.S in Electronics and Photonics, and Prof. Nameeta Brahme, Convener and Head, S.O.S in Physics and Astrophysics. Guest of Honor Prof. K.V.R. Murthy has explored the opportunities in the area of Science and Technology, Luminescence, Physics, Electronics and Photonics are connected and briefly described the activities of LSI. Guest of Honor Prof. A.G. Ramakrishnan told researchers to emphasize their art of learning and gave best wishes to everyone. Guest of Honor Prof. S. K. Pandey was motivated by sharing his views. The informative speech was delivered by our Vice Chancellor, Prof. Keshari Lal Verma followed by the release of souvenirs. A vote of thanks was delivered by Prof N.K. Chakradhari of S.O.S in



The technical session-1 was started with an invited talk by **Prof. K.V.R Murthy**, President, of the Luminescence Society of India. He gave a presentation on the topic “**LUMINESCENCE MATERIALS AND APPLICATIONS**” in which he discussed different types of luminescent materials and their advantages and application in daily life. The second plenary talk was delivered by **Prof. K.V.R Chary** of Rowan University, USA on the topic “**PHYSICS AND CHEMISTRY OF MAGNETISM AT NANO-SACLE**”. He discussed the fundamentals of magnetism and rules for predicting magnetic order in oxides and the safe handling of nanomaterials. **Prof. G.C. Anupama** of IIA, Bengaluru also delivered a plenary talk on the topic “**THERMONUCLEAR SUPERNOVAE AS COSMOLOGICAL PROBES**”. She discussed the nature of diversity to use type Ia supernovae as cosmological probes.

After lunch, the technical session-2 was started, **Prof. Dipankar Banerjee** of ARIES, Nainital, delivered the first invited talk on the topic “**ADITYA L1 MISSION TO STUDY THE VARIABILITY OF OUR NEAREST STAR**”. He discussed the sun as a variable star and explained why we need to study the variability of our nearest star “**THE SUN**”. **Prof. B.N. Jagatap** of IIT, Bombay also delivered the second invited talk on the topic “**MATERIALS FOR SUSTAINABLE DEVELOPMENT: CHALLENGES AND OPPORTUNITIES**”. He discussed the key issues of sustainable development and provided some useful examples of S&T efforts. **Prof. P.D. Sahare** of Delhi University, Delhi also delivered a third invited talk on “**MECHANOLUMINESCENCE IN SrAl₂O₄: Eu PHOSPHOR: EFFECT OF PARTICLE SIZE**”. He discussed mechanoluminescence and elasto-mechanoluminescence and their measurements.

There was also parallel technical session-3 going on, of **Prof. A.G. Ramakrishnan** of IISc, Bangalore delivered an invited talk on the topic “**ANALYZING PATTERNS IN EEG: FROM BIOMETRICS TO ALTERED STATES OF CONSCIOUSNESS**”. He discussed the patterns in EEG signals under different conditions. **Prof. G.V.V Sharma** of IIT, Hyderabad also delivered an invited talk on the topic “**SIGNAL PROCESSING IN HIGH SCHOOL**”. He discussed simple examples of signal processing in high school mathematics and physics like probability, etc. **Prof. Rekha Garg** of Dr. HS Gour University, Sagar also delivered an invited technical talk on the topic “**ZINC BASED CHALCOGEDIDE NANOMATERIALS FOR VARIOUS APPLICATIONS**”. She discussed the affordable solution to environmental pollution and new dimensions to the pharmaceutical and medical industry through ZnE chalcogenide. **Prof. Narendra D Londhe** of NIT, Raipur also delivered an invited technical talk on the topic “**MEDICAL IMAGE SEGMENTATION AND CLASSIFICATION USING DEEP LEARNING**”. He discussed the CADx for medical image evaluation for reducing manual error. 12 orals were presented by delegates from various institutes and colleges of Chhattisgarh and outside the state.

A colorful event was organized on the first day evening in the seminar hall of S.O.S in Physics and Astrophysics by students of S.O.S in Electronics and Photonics and S.O.S in Physics and Astrophysics for the refreshment of the delegates.





On the second day of the conference i.e on 17th March 2023, technical session-4 was organized. The session started with an invited talk by **Prof. B.S. Panigrahi** of IGCAR, Kalpakkam on the topic “**EFFECT OF UO_2^{2+} ON EUROPIUM VALENCE AND INTERALIA ENERGY TRANSFER IN $SrBPO_5$** ” in which brief description about uranium co-doping and color tuning of Eu doped phosphor. Followed by another invited talk by **Prof. P.K. Bhatnagar** of Delhi University, Delhi on the topic “**NANOMATERIALS-THEIR APPLICATIONS IN FLEXIBLE ELECTRONICS AND SENSORS**” in which a brief description of nanomaterials and nanocomposites with fine application this this in flexible electronics and VOC sensors. After a tea break , in technical session-5 a very interesting and conceptual invited talk was delivered by **Prof. S.J. Dhoble** of RTM University, Nagpur, on “**INNOVATIVE APPLICATION OF FLY ASH FOR HIGH DOSE THERMOLUMINESCENCE RADIATION DOSIMETRY**”. He

discussed the characteristics of fly ash and the innovation of fly ash. **Prof. S. A. Hashmi** of Delhi University, Delhi, in his invited talk focused on “**REDOX-ACTIVE GEL POLYMER ELECTROLYTES FOR HIGH ENERGY STORAGE**”, their issues related to the fabrication of efficient supercapacitors along with a few approaches to enhance the energy of devices. He also discussed the performance characteristics of the solid-state EDLCs and Gel Polymer Electrolytes. **Prof. Sivakumar Vaidyanathan** of IIT, Hyderabad also delivered an invited talk on the topic “**LANTHANIDE BASED LUMINESCENT MATERIALS FOR SMART LIGHTNING**”. He discussed the various trivalent europium-based red-emitting phosphors with different crystal structures with special emphasis on their optical property. **Prof. Rakesh Chandran S.B** of S.D. College, Alappuzha delivered an invited technical talk on the topic “**ELECTROSTATIC ENVIRONMENT OF THE MOON AND THE CHALLENGES FOR HUMAN AND ROBOTIC EXPLORATION**”. He discussed how the charging properties of lunar dust grain are important as well as the mechanism of dust environment and levitation.

In a parallel technical session-6, **Prof. S.K. Omanwar** of Amravati University, Amravati delivered an invited talk on the topic “**ENERGY EFFICIENT QC- LUMINESCENT MATERIALS FOR SUSTAINABLE DEVELOPMENT**”. He discussed useful materials for lightning and photovoltaic conversion enhancement. **Prof. K.K. Biswas** of IIT, Delhi delivered an invited talk on the topic “**DISEASE IDENTIFICATION IN AGRICULTURE USING DEEP LEARNING ON EDGE DEVICES**”. He discussed how huge models can be compressed using heuristics approaches and approaches to compress a deep learning network to efficiently segment the leaf images to indicate the extent of damage to the leaf. **Prof. Dipti Patra** of NIT, Rourkela delivered an invited talk on the topic “**BIOMEDICAL SIGNAL PROCESSING AND ANALYSIS TECHNIQUES: APPLICATIONS TO ECG SIGNAL**”. She discussed the ECG signal processing techniques and analysis. She also explored early detection and prediction of myocardial infarction and sudden cardiac death. **Prof. M. Shriniwas** of MS University, Baroda delivered an invited technical talk on the topic “**LUMINESCENCE OPTIMIZATION OF THERMALLY STABLE DOUBLE PEROVSKITE FOR LED AND TLD APPLICATION**”. He discussed the synthesis of stable double perovskite through the combustion method and the examination of it through XRD techniques. **Prof. Rohit Raja** of GGU, Bilaspur also delivered an invited technical talk on the topic “**SYNTHESIS, XRD, NLO, CHNSO, DIELECTRIC, PHOTOCONDUCTIVITY AND BIOSTUDIES OF DIETHYL 2-AMINO-5-{4-[BIS(4-METHYLPHENYL) AMINO] BENZA-MIDO}THIOPHENE-3,4-DICARBOXYLATE(DABMPABTD)MACRO,NANOCRYSTALS FOR DEVICE FABRICATION AND ELECTRONIC USES**”. He discussed how organic materials are predominant over their pair-offs based on their intense applications and vital utilities and the solution growth approach is used to create the DABMPABTD crystal at reduced pressure. **Prof. Sapna Singh Kshatri** ofSSIPMT, Raipur also delivered an invited technical talk on the topic “**BIOMEDICAL SYSTEMS SUPPORTED BY ARTIFICIAL INTELLIGENCE (AI) AND INTERNET OF MEDICAL THINGS (IoMT) FOR SMART HEALTHCARE**”. She discussed the technological and engineering challenges and prospects for AI-based cloud-integrated personalized IoMT devices for designing efficient POC biomedical systems suitable for next-generation intelligent healthcare. After lunch, 12 orals and 61 posters were presented by delegates from various institutes and colleges of Chhattisgarh and outside the state.

After tea break, in technical session-7, **Prof. M.L. Verma** of Sri Shankaracharya College, Bhilai delivered an invited technical talk on the topic “**EFFECT OF STRUCTURE IN ELECTRONIC AND OPTICAL PROPERTIES OF CdX AND ZnX (X=O, S, Se, Te): Ab INITIO**

MODELING". He discussed the fundamentals of density functional theory (DFT), its benefits and limitations, and its application to study various properties of materials at different phases. **Prof. Shalinta Tigga** of GGU, Bilaspur delivered an invited technical talk on the topic "**SYNTHESIS, CHARACTERISATION AND LUMINESCENCE INVESTIGATIONS OF Ce³⁺ AND Dy³⁺ ACTIVATED BaMgAl₁₀O₁₇ PHOSPHORS**". She discussed the BAM: Ce and BAM: Dy phosphors preparation by combustion method and their structural and morphological properties characterization by XRD, EDS, and FESEM.

In parallel session-8, **Prof. Pawan Kumar Patnaik** of BIT, Durg also delivered an invited technical talk on the topic "**DIFFERENT APPROACHES OF DEEP LEARNING TECHNIQUES FOR IMAGE PROCESSING**". He discussed the application of deep learning in image analysis, including image recognition, object detection, segmentation, and generation, and explored CNNs, RNNs, and GANs.



On the third day of the conference i.e on 18th March 2023, technical session-9 was organized. The session started with a technical talk by **Prof. R.K Pandey**, Amity University, Raipur on the topic “**OXIDE NANOSTRUCTURES: NOVEL PROPERTIES AND APPLICATIONS**”. He has delivered a very interesting talk in very simple words about the recent developments in the emerging area of nanomaterials science and technology. **Prof. S. K. Pandey** delivered an extensive talk on the topic “**THE WORLD OF GRAVITY: FROM NEWTON TO EINSTEIN**”. He shared a glimpse of the world of gravitation from the era of Newton to Einstein at the very elementary level to enhance the understanding of the ubiquitous nature of gravity, the weakest of all known forces of nature. After tea break, in technical session-10 the next invited talk was delivered by **Prof. C. Shivakumara** of IISc, Bangalore, on “**MULTIFUNCTIONAL MATERIALS FOR ENERGY AND ENVIRONMENTAL SUSTAINABILITY**”. He focused on the facile synthesis, and structural characterization of rare earth ion-activated scheelite-type tetragonal AWO_4 , AmO_4 ($A=Ca, Sr, Ba, \text{ and } Pb$) and layered $BiOX$ ($X= F, Cl, \text{ and } Br$) Phosphors and their luminescence properties. **Prof. G.R. Sinha** of IIT, Bangalore, delivered a talk in the “**AI INTERVENTION IN STUDY OF MINDFUL PRACTICES OF INDIAN KNOWLEDGE SYSTEM FOR SUSTAINABLE HEALTH**”. He focused on AI intervention and the use of machine learning approaches for understanding the impact of the practices in the improvement of quality of life, community wellness, and sustainable health. **Prof. O.P. Thakur** of SSPL, DRDO, New Delhi, delivered a talk in the “**SILICON CARBIDE AS THIRD GENERATION WIDE BAND GAP SEMICONDUCTOR MATERIALS FOR HIGH POWER AND HIGH-FREQUENCY DEVICES**”. He discussed the relevant technical details about silicon carbide. **Prof. Tanmay Badapanda** of CV Raman University, Bhubaneswar delivered talk in the “**EXPLORATION OF FERROELECTRIC AND PIEZOELECTRIC PROPERTIES FOR ENERGY STORAGE AND HARVESTERS APPLICATION**”. He focused on demonstrating the dielectric effect of electric field amplitude and frequency on the polarization and mechanical strain performance and electromechanical parameters of $BaZr_{0.05}Ti_{0.95}O_3$ ceramic. **Prof. G. Nag Bhargavi** of Govt. College, Dharsiva delivered talk in the “**COMPLEX IMPEDANCE, ELECTRIC MODULUS AND CONDUCTIVITY STUDIES OF GADOLINIUM MODIFIED BARIUM ZIRCONIUM TITANATE PEROVSKITE CERAMICS**”. She discussed synthesization by conventional solid-state method and study through XRD technique.

In parallel technical session-11, **Prof. Neelam Sinha** of IIT, Bangalore delivered talk in the “**SURGICAL VIDEO ANALYSIS USING DEEP LEARNING**”. She focused on challenges in analyzing videos of Laparoscopic Cholecystectomy (LC) and some recent techniques that utilize Deep Learning framework for understanding the LC surgical videos. **Prof. Bipin Gupta** of CSIR-NPL, New Delhi delivered talk in the “**INDIGENOUS DEVELOPMENT OF STRATEGIC LUMINESCENT MATERIALS FOR SOCIETAL BENEFITS TO MAKE SELF-RELIANT INDIA**”. He discussed about how development of novel materials are important and how it can make us self-reliant. **Prof. Y.H. Gandhi** of MS University, Barodara, delivered a talk in the “**THERMOLUMINESCENCE (TL) SENSITIVITY OF 110°C GLOW PEAK IN NANO SYNTHETIC QUARTZ MATERIAL**”. He focused on nano synthetic quartz, ball-milled technique, thermal treatment, ionizing radiation, thermoluminescence and XRD. **Prof. Ayush Khare** of NIT, Raipur delivered talk in the “**ADVANCEMENTS IN PEROVSKITE**”.

PHOTOVOLTAICS". He discussed on some latest advancements in the field of perovskite solar cells. **Prof. Ishwar Prasad Sahu** of IGNTU, Amarkantak delivered talk in the "**STRUCTURAL, THERMAL AND LUMINESCENCE PROPERTIES OF EUROPIUM (III) ACTIVATED STRONTIUM ZIRCONIUM SILICATES PHOSPHORS FOR LIGHTNING APPLICATIONS**". He focused on synthesization, characterization and properties of europium (III) activated strontium zirconium silicate phosphor.

After lunch, in technical session-12, a very interesting invited talk by **Prof. Bikesh Kumar Singh** of NIT, Raipur delivered a talk on "**BRAIN NETWORK ANALYSIS IN DYSLEXIC CHILDREN DURING AN ARITHMETIC TASK: AN EEG STUDY**". He emphasized different functional connectivity changes in the brain network of dyslexic kids using EEG signals while performing math tasks and study indicates that dyslexic brain networks function poorly during arithmetic tasks and have altered network topology. **Prof. Laxmikant Chawre** of CBS, PRSU, Raipur delivered talk in the "**REVEALING THE INCONSPICUOUS: A TECHNIQUE FOR DETECTING LOW SURFACE BRIGHTNESS GALAXIES**". He discussed shed light on the hidden universe and showcase the potential for detecting previously unknown objects in cosmos. 9 orals were presented by delegates from various institutes and colleges of Chhattisgarh and outside state.



At the end, a valedictory program was organized. The chief guest Prof. K.V.R. Chary, Guest of Honor Prof. B.S. Panigrahi, and organizers Prof. Kavita Thakur, Prof. Nameeta Brahme, Prof. D.P. Bisen, Prof. N.K. Chakradhari and Prof. Y.K. Mahipal was present. Program has been started with lamp lightning and was followed by honoring the guest with presents as a memory. Briefing of NSSEMA-23 has been done by Prof. N.K. Chakradhari. Prof. K.V.R Chary addressed that the conference was market disciplinary and informative. Prof. B.S. Panigrahi said that the organization was quite good and everybody actively participated. At the end Prof. D.P. Bisen thanked everyone for the successful conduction of NSSEMA-23. Followed by cash prize distribution by LSI to best oral and best poster delegates.







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E-Mail ID: renewable.prsu@gmail.com

03 Day Workshop on
“ADVANCEMENTS IN SOLAR PHOTOVOLTAIC TECHNOLOGIES”

27th -29th April, 2023

REPORT

The Institute of Renewable Energy Technology & Management jointly with S.O.S. in Electronics and Photonics in association with Public Outreach Centre has organized 3 Days Workshop on Advancements in Solar Photovoltaic Technologies from 27th April to 29th April 2023.

03 DAYS WORKSHOP
ON
**ADVANCEMENTS IN
SOLAR PHOTOVOLTAIC TECHNOLOGIES**
27 April To 29 April 2023

Venue : Seminar Hall, Institute of RETM

Organised By:
INSTITUTE OF RENEWABLE ENERGY TECHNOLOGY AND MANAGEMENT
SOS IN ELECTRONICS AND PHOTONICS
in association with
PUBLIC OUTREACH CENTRE
Pt. Ravishankar Shukla University, Raipur, Chhattisgarh

WORKSHOP OVERVIEW:

Rising concerns about climate change, the health effects of air pollution, energy security and energy access, along with volatile oil prices in recent decades, have led to the need



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to produce and use alternative, low-carbon technology options such as renewables. The evolution of the solar PV industry so far has been remarkable, with several milestones achieved in recent years in terms of installations (including off-grid), cost reductions and technological advancements, as well as establishment of key solar energy associations, this lead to Solar PV to be one of the pioneering renewable technologies over the decades. The IEA estimates that the transition towards net-zero emissions will lead to an overall increase in energy sector jobs: while about 5 million jobs in fossil fuel production could be lost by 2030, an estimated 14 million new jobs would be created in clean energy, resulting in a net gain of 9 million jobs and hence huge trained workforce is required in coming years to serve the purpose of renewable growth. This 03 day comprehensive training workshop explained participants how solar photovoltaic systems work, how they are designed, how to predict the output of a system, and how systems are installed. The program covered the fundamentals of PV, such as how voltage, current, power and energy interrelate (which is very different from the conventional electric systems), and also fundamental knowledge about the economics and expected payback period. Participants determined how to calculate for variables, such as roof slope, weather patterns, shading, tilt angles, and temperature effects on voltage and equipment variables. Most of all, they enjoyed learning how to install and design safe and cost effective photovoltaic systems. The workshop covered Renewable Energy Opportunities, PV Markets and Applications, Safety Basics, Electricity Basics, Solar Energy Fundamentals, PV Module Fundamentals, System Components, PV System Sizing Principles, PV System Electrical Design, PV System Mechanical Design, Performance Analysis, Maintenance and Troubleshooting, Net-Metering Guide and Standards, Grid Connection Considerations. Concept, business models explained at ongoing training programme. Those who complete this course will be prepared to become a professional solar photovoltaic installer and system designer.

Expert/ Resource Person: **Mr. Amitesh Sharma and Mr. Rajib Das**, Director, Greenfinity Powertech Pvt. Ltd.

Total No. of Participants: **63**



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The Experts present at the workshop apprised the participants on various aspects of solarisation, including basic information on solar PV Rooftop and raise awareness amongst entrepreneurs on the following:

- Concept, design and components with specific focus on technical architecture of solar PV rooftop system.
- Policy and regulatory framework for Solar PV Rooftop at the national and state level.
- Business models followed in the solar PV Rooftop market and role of respective stakeholders.
- Provide specific information to the entrepreneurs on Solar PV Rooftop project costing and financing, Preparation of feasibility reports.
- Net metering for roof top solarisation.

In the 21st century where India aims to become a world super power, we still lack in the energy sector. We have only 0.3% of world's oil resources, only 0.7% of gas resources and about 6.5% coal resources. All our conventional sources of energy are imported at very high unpredictable costs. Also important point to notice is that largest share of our foreign exchange is being spent on importing energy resources. On broader perspective this also has impact on energy security of the country. On the other hand we should look towards the renewable sources of energy such as solar which have such an abundant supply.

The 3 Days Workshop on Advancements in Solar Photovoltaic Technologies commenced at 11:00 AM of 27th April in the presence of Chief Guest Prof. Sachchidanand Shukla, Hon'ble Vice Chancellor, Energy Experts & Speakers of the workshop Mr. Amitesh Sharma and Mr. Rajib Das, Director, Greenfinity Powertech Pvt. Ltd. & Prof. Kavita Thakur, Coordinator, Institute of RETM & Head, S.O.S. in Electronics & Photonics. The session started with Lamp lighting ceremony followed by the welcoming of the guest & technical session.

Addressing the participants, Chief Guest of the workshop Prof. Sachchidanand Shukla, Hon'ble Vice Chancellor, said, today, the world is at the crossroads of a contradictory energy scenario wherein, on the one hand, energy access has to be provided to billions while, on the other hand, increasing demand and usage of energy is causing catastrophic climate change". He further added that, the evolution of the solar PV industry so far has been remarkable, with several milestones achieved in recent years in terms of installations (including off-grid), cost reductions and technological



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advancements. Looking at these statistics it is obvious that solar power will clearly continue to be an essential renewable option in the coming decades which in turn generate millions of jobs all across the nation. Chhattisgarh being rich in solar radiation as it receives more than 300 clear sunny days helps in rapid deployment of PV Project as a result it gives better opportunity to the students studying here in department.

Hon'ble Vice-Chancellor during his address promised the students that, soon they will be having in-house higher education facility in Renewable Energy as he is focussed on inducting Post Graduation program in Renewable Energy from 2024-25. He added that, department is moving in positive direction and holding huge potential, Congratulating the department he said, "Organizing such workshops will definitely reduce the gap between Industry and Institute".

Invitation

Institute of Renewable Energy Technology & Management
& S.O.S. in Electronics & Photonics
in association with
Public Outreach Centre
Pt. Ravishankar Shukla University, Raipur
Cordially invites you for the **Inaugural Ceremony** of
03 Days Workshop
on
Advancements in Solar Photovoltaic Technologies

Speakers

Mr. Amitesh Sharma
Director
Greenfinity Powertech Pvt. Ltd.

Mr. Rajib Das
Director
Greenfinity Powertech Pvt. Ltd.

Date : **Thursday, 27th April 2023 at 11:00 AM**
Venue : **Seminar Hall**
Institute of RETM
Pt. Ravishankar Shukla University, Raipur

Hon'ble Vice-Chancellor
Prof. Sachchidanand Shukla
Pt. Ravishankar Shukla University, Raipur
will preside over the function

Prof. Kavita Thakur
Coordinator & Head
Institute of RETM
S.O.S. in Electronics & Photonics

Prof. Kallol K. Ghosh
Coordinator
Public Outreach Centre

Dr. Shailendra Patel
Registrar
Pt. Ravishankar Shukla University
Raipur



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Dr. Kavita Thakur, Coordinator, Institute of RETM & Head, S.O.S. in Electronics & Photonics informed the participants that, the total installed capacity of solar PV now represents the second-largest renewable electricity source after wind. Solar PV dominated the total renewable and power capacity additions, adding twice as much capacity as wind and more than all fossil fuels and nuclear together.

Mr. Amitesh Sharma, Director, Greenfinity Powertech Pvt. Ltd., Speaker of the workshop said, "Reducing energy-related CO₂ emissions is at the heart of the energy transformation. Rapidly shifting the world away from the consumption of fossil fuels that cause climate change and towards cleaner renewable forms of energy is critical if the world is to reach the climate goals agreed in Paris. Climate change has become a major concern of this century".

Supplementing the thoughts Mr. Rajib Das, Director, Greenfinity Powertech Pvt. Ltd., said The Paris Agreement establishes a mechanism to limit global temperature rise to "well below 2°C", and ideally to 1.5°C, compared to pre-industrial levels. The profound transformation of the global energy landscape is essential to realize the agreement's climate targets. Such a transformation is possible with the rapid deployment of low-carbon technologies in place of conventional fossil fuel generation and uses. The transition to increasingly electrified forms of transport and heat, when combined with increases in renewable power generation, would deliver around 60% of the energy-related CO₂ emission reductions needed by 2050. At the same time the global weighted average cost of electricity from all commercially available renewable power generation technologies continued to fall which is a positive remark for renewable growth.

Day 1:

After successful completion of Inaugural ceremony students proceeded towards their 1st technical session which was composed of elementary coverage of power generation through various techniques, Session also includes of discussion about Energy scenario in India, India power sector, Brief comparison

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न्यूज डायरी

सौर ऊर्जा के क्षेत्र में रोजगार की अपार संभावनाएं : प्रो. शुक्ला

रायपुर। पं. रविशंकर शुक्ल विश्वविद्यालय के अध्यक्ष ऊर्जा

प्रौद्योगिकी एवं प्रबंधन संस्थान, इलेक्ट्रॉनिक्स और फोटोनिक्स अध्ययनशाला तथा पब्लिक आउटरीच सेंटर के सहयोग से

सौर फोटोवोल्टिक प्रौद्योगिकियों में उन्नति विषय पर गुरुवार को 3 दिवसीय कार्यशाला शुरू हुई। सुप्रारंभ अवसर पर मुख्यअतिथि कुलपति प्रो. सच्चिदानंद शुक्ला ने कहा कि सौर पीवी उद्योग का अब तक का विकास उल्लेखनीय रहा है। सौर ऊर्जा के क्षेत्र में रोजगार की अपार संभावनाएं हैं। लागत में कटौती और तकनीकी प्रगति के संदर्भ में हाल के वर्षों में कई मील के पथर हासिल किए गए हैं। इन आंकड़ों को देखते हुए यह स्पष्ट है कि आने वाले दशकों में सौर ऊर्जा स्पष्ट रूप से एक आवश्यक नवीकरणीय विकल्प बनी रहेगी, जो बदले में पूरे देश में लाखों रोजगार पैदा करेगी। छत्तीसगढ़ सौर विकिरण से समृद्ध होने के कारण यहां 300 से अधिक स्पष्ट धूप वाले दिन प्राप्त होते हैं, जिससे पीवी परियोजना में मदद मिलती है, जिसके परिणामस्वरूप यहां विभाग में पढ़ने वाले छात्रों को बेहतर अवसर प्रदान करता है। इस मौके पर कार्यशाला के वज्रता अमितेश शर्मा और राजीव दास रहे। समन्वयक प्रो. कविता ठाकुर समेत अन्य मौजूद रहे।



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among renewable and non-renewable energy, types of renewable energy, merits and demerits of all forms of renewable energy.

The post lunch session consists of basic electrical concepts, working of solar cell, solar radiation scenario in India, types of solar modules along with their efficiency, basic concepts of solar photovoltaic viz. Sun radiation, Sun Position, Sun Hours, Module Tilt angle, Green House Effect Technologies: Electromagnetic radiation, cell parameters.



Delegates on Dias for Inaugural Ceremony of 03 Days National Workshop on "Advancements in Solar Photovoltaic Technologies"

Lightning Lamp during Inaugural Ceremony by Patron of the Event Hon'ble Vice Chancellor Prof. Sachchidanand Shukla, Mr. Amitesh Sharma and Mr. Rajib Das, Director, Greenfinity Powertech Pvt. Ltd. & Prof. Kavita Thakur, Coordinator, Institute of RETM.





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Welcome Addressing by Coordinator of Workshop
Prof. Kavita Thakur, Coordinator, Institute of RETM

Hon'ble Vice Chancellor Prof. Sachchidanand Shukla
addressing the Participants & Audience of Workshop



Resource Person/ Expert of
Workshop Mr. Amitesh
Sharma and Mr. Rajib
Das, Director, Greenfinity
Powertech Pvt. Ltd.,
addressing the
Participants & Audience of
Workshop



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Friday, Apr 28 2023



पत्रिका

#SolarEnergy रविदि में सोलर एनर्जी पर तीन दिनी वर्कशॉप

टेक्नोलॉजी से सस्ती हुई सोलर एनर्जी, राँ मटेरियल चीन से मंगाना नहीं पड़ता

पत्रिका ZOM रिपोर्ट
patrika.com

रायपुर, रविदि में सोलर एनर्जी पर तीन दिनी वर्कशॉप की शुरुआत गुरुवार को हुई। इस मौके पर बतौर एक्सपर्ट अमितेश शर्मा ने स्ट्रुक्चर को सोलर एनर्जी की नई तकनीक और उसके फ्यूचर पर लेक्चर दिया। अमितेश एक सोलर कंपनी में काम करते थे लेकिन अब खुद को कंपनी चला रहे हैं। वर्कशॉप में सोलर एनर्जी के कई पहलुओं पर चर्चा हुई। उन्होंने बताया, एक समय था जब हम सोलर पैनल के रॉ मटेरियल के लिए हम चीन पर निर्भर हुआ करते थे। अब हमारे पास भी टेक्नोलॉजी आ चुकी है। इसलिए चीन की निर्भरता खत्म हो चुकी है। तकनीकी सुविधाओं के चलते सोलर एनर्जी की लागत पहले से काफी कम हो चुकी है। पावर प्लांट से मिलने वाली बिजली की लागत के बराबर ही सोलर पैनल से इलेक्ट्रिसिटी हासिल की जा सकती है।



सोलर इन्वर्टर के फायदे

अभी अमूमन घरों में जो इन्वर्टर लगे हैं वे यूपीएस सिस्टम वाले हैं। यह बैटरी से चलते हैं। लगातार यार्निंग- डिस्चार्जिंग होते रहने से बिजली कन्ज्यूम होती रहती है चाहे यूज हो या न

हो। क्योंकि बैटरी में ऐसे केमिकल होते हैं जो बैटरी के यूज न होने पर भी उसे डिस्चार्ज कर देते हैं। सोलर इन्वर्टर लगाने का फायदा यह है कि जितना यूज उतना कन्ज्यूम।

माइंड सेट बदलना होगा

मैंने मुंबई में सोलर कंपनी में काम किया। रायपुर में 2013 से खुद की कंपनी शुरू की। सोलर एनर्जी के प्रति लोगों का एक माइंड सेट बना हुआ है कि यह महंगा है और मटेनेंस की जरूरत होती है।

जबकि ऐसा थियुल नहीं है। अब तो सोलर पैनल लगाने के लिए सरकार सब्सिडी भी दे रही है। मटेनेंस भी मात्र सफाई का लाना है।

ऊपर दिए क्वेश्चन कोट खोल कर पढ़िये देखें...

एनर्जी डिपेंडेंसी के लिए भी जरूरी है

अमितेश ने कहा कि लोगों को लगता है कि सोलर बिजली महंगा कॉन्सेप्ट है। ये शुरुआती दौर था जब सोलर से प्रति वॉट 100 रुपए खर्च आता था लेकिन अब इसकी लागत प्रति वॉट 25 रुपए तक कम हो गई है। सबको पता है कि अने फसूल और कोल की शॉर्टेज होनी है, ऐसे में सभी को सोलर का रुख करना ही होगा। आने वाले पांच सालों में ऑलमोस्ट हर घर में सोलर पैनल लगे होंगे। यह एनर्जी डिपेंडेंसी के लिए भी जरूरी है। इसके लिए अवेयरनेस बढ़ानी होगी।



INSTITUTE OF RENEWABLE ENERGY TECHNOLOGY & MANAGEMENT

PT. RAVISHANKAR SHUKLA UNIVERSITY

G.E. ROAD, AMANAKA, RAIPUR (C.G.)

Recognized by UGC, AICTE & Skill Council for Green Jobs

Website: www.prsu.ac.in

E-Mail ID: renewable.prsu@gmail.com

Day 2:

The second day of the three days' workshop organized by Institute of Renewable Energy Technology & Management and S.O.S. in Electronics & Photonics in association with Public Outreach Centre on Advancements in Solar Photovoltaic Technologies witnesses enthusiastic participation from students.

The morning session began with the welcome note of Dr. Kavita Thakur, Coordinator, Institute of RETM & Head, S.O.S. in Electronics & Photonics informed the participants that, the time spent by the students in the workshop will help the students in the near future. The practical knowledge of the Solar PV Installation will help the students to get better jobs and internship opportunities.

Mr. Rajib Das, Director, Greenfinity Powertech Pvt. Ltd., Speaker of the workshop continued the session by briefing the students about the importance of the technical abilities in the designing and installation of solar PV Off grid and On Grid System. Followed by the case study of different on grid power plant, designing of the on-grid system, load calculations and system sizing.



Prof. Kallol Ghosh, Coordinator, Public Outreach Center, addressing the Participants & Audience of Workshop



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The afternoon session was inaugurated by Prof. Kallol Ghosh, Coordinator, Public Outreach Center and Dr. Kavita Thakur, Coordinator, Institute of RETM & Head, S.O.S. in Electronics & Photonics. Prof Kallol Ghosh in his address appreciated the program and said that this is a golden opportunity for the students in the view of India's G20 presidency. He informed students about the S20, Science 20 Inception meeting going to take place in the year 2023. The theme of the S 20 focuses on Sustainable development and the learning from this workshop apparently will make students understand the goals of S 20.



Group Photography during 03 days Workshop

Day 3:

On April 29, 2023, a group of students embarked on a one-day visit to a 50 kW on-grid solar power plant located at the Vigour and Verve Girls Hostel in Raipur. The power plant was installed and maintained by Greenfinity, a renowned organization in the field of renewable energy. During this visit, experts Mr. Amitesh Sharma and Mr. Rajib Das, Director, Greenfinity, Powertech Pvt. Ltd., gave a guided tour of the solar power plant and provided a detailed study involving working, construction, installation stages and other design aspects. The students had the opportunity to see the best practices of operation and maintenance of an On Grid Solar PV Power plant also they were able to learn about the company's commitment towards the Renewable energy development.

The solar panels at the power plant were of the mono perc (445 W) type. Each panel had a power output of 445 watts. The total number of strings in the power plant was six, with 19 panels connected in each string. This configuration resulted in a total power production capacity of 38 kW.



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Field Visit during 03 days Workshop



The students were enthusiastic throughout and very satisfied with the knowledge they received in all the three days of workshop. Overall, the visit to the solar power plant offered the students a valuable opportunity to witness firsthand the practical implementation of solar energy technologies. It allowed them to grasp the significance of sustainable energy sources and their role in mitigating environmental challenges.



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)



MHRD'S
INNOVATION CELL
(GOVERNMENT OF INDIA)



Institution Innovation Council
Pt. Ravishankar Shukla University, Raipur

Welcomes You

For Celebration of
World Entrepreneurs' Day

21st August 2023, 11:00 AM

Seminar Hall
School of Studies in Electronics & Photonics

Institution Innovation Council, Pt. Ravishankar Shukla University, Raipur

REPORT OF

World Entrepreneurs' Day Celebration

The annual observance as World Entrepreneurs Day recognizes the pivotal role that entrepreneurs play in driving economic growth, fostering innovation, and shaping the world's business landscape. This is a celebration of the visionary individuals who dare to dream, innovate, and create. Their unwavering determination, resilience, and ingenuity have not only transformed industries but also inspired countless others to embark on their entrepreneurial journeys. The event aimed to honour and celebrate entrepreneurship and its role in fostering innovation, creating job opportunities, and driving economic growth. The program included distinguished dignitaries, esteemed speakers, faculty members, and students who came together to mark this special occasion.

On this occasion of World Entrepreneurs' Day, Institution Innovation Council of Pt. Ravishankar Shukla University, Raipur has organized entrepreneurship session of celebrated & renowned speaker Prof. Hulas Pathak, Head & PI-CEO, RKVY RAFTAAR Agri-Business Incubator (R-ABI), Professor, Dept. of Agribusiness & Rural Management, College of Agriculture, IGKV, Raipur. & Er. Sanjeev Jain, Advisor, CREDA, Raipur.

The event was graced by esteemed guests & speakers in presence of Prof. Sachchidanand Shukla Hon'ble Vice-Chancellor Pt. Ravishankar Shukla University, Raipur and Prof. Kavita Thakur, President, IIC-PRSU and Coordinator of the event.



INVITATION

INSTITUTION INNOVATION COUNCIL

Pt. Ravishankar Shukla University, Raipur

Cordially invites you for the Celebration of

WORLD ENTREPRENEURS' DAY

Chief Guest & Eminent Speaker

Prof. Hulas Pathak

Head & PI-CEO, RKVY RAFTAAR Agri-Business Incubator (R-ABI)
Professor, Dept. of Agribusiness & Rural Management,
College of Agriculture IGKV, Raipur

Guest of Honor & Eminent Speaker

Shri Sanjeev Jain

Advisor,
CREDA, Raipur

Date : Monday, 21st August 2023 at 11:00 AM

Venue : Seminar Hall, S.O.S. in Electronics & Photonics

Hon'ble Vice Chancellor

Prof. Sachchidanand Shukla

Pt. Ravishankar Shukla University, Raipur
will preside over the function.

Dr. Shailendra Patel
Registrar, PRSU, Raipur

Prof. Kavita Thakur
President, IIC-PRSU

SCHEDULE

- 11:00 AM : Arrival of Chief Guest & Speakers
 - 11:02 AM : Lamp Lightening and Saraswati Vandana
 - 11:05 AM : University Kulgeet
 - 11:10 AM : Floral Welcome of Guests & Speakers of the Program
 - 11:15 AM : Welcome Address by Prof. Kavita Thakur, President, Institution Innovation Council, PRSU
 - 11:20 AM : Presidential Address by Prof. Sachchidanand Shukla, Hon'ble Vice-Chancellor, PRSU.
 - 11:30 AM : Session-I Lecture by Chief Guest Prof. Hulas Pathak, Head & PI-CEO, RKVY RAFTAAR Agri-Business Incubator (R-ABI), Professor, Dept. of Agribusiness & Rural Management College of Agriculture IGKV, Raipur.
 - 12:10 PM : Session-II Lecture by Guest of Honor Shri Sanjeev Jain, Advisor, CREDA, Raipur.
 - 12:50 PM : Address by Dr. Shailendra Patel, Registrar, PRSU, Raipur.
 - 12:55 PM : Memento to Chief Guests
 - 12:58 PM : Vote of Thanks
- END OF PROGRAM WITH GROUP PHOTOGRAPHY & HIGH TEA



Dignitaries on Dais

As per Indian tradition, the event began with the **lighting of the lamp** and **Saraswati Vandana**, symbolizing the pursuit of knowledge and enlightenment. The ceremony was considered of special importance to set the tone for the program. The Kulgeet of the university was sung to honour the historical heritage of the institution. A floral welcome was extended to the guests and speakers of the program, signifying the positive energy and beauty surrounding us followed by welcome address of Prof. Kavita Thakur, President IIC Pt. Ravishankar Shukla University Raipur. She

welcomed Prof. Sachchidananda Shukla, Hon'ble Vice Chancellor, Pt. Ravishankar Shukla University Raipur, Chief Guest of event Prof. Hulas Pathak and Guest of Honour Shri Sanjeev Jain.

Prof. Kavita Thakur, President of INSTITUTION INNOVATION COUNCIL, addressed the gathering, expressing her gratitude and insights related to entrepreneurship. Her words emphasized the significance of fostering innovation and creating a platform for aspiring entrepreneurs. Prof. Thakur shared the mission and vision of the council which is to execute, believe and navigate an idea to contribute to the society. She focused on the Indian Entrepreneurs who have contributed significantly to India's Economic growth. The government schemes like Startup India Mission and PM Kaushal Vikas Yojana are proving to be very much helpful to entrepreneurs. She further highlighted the women entrepreneurs in India who are setting great examples in all the sectors like biotechnology, health and cosmetic companies.



Prof. Kavita Thakur addressing the students during World Entrepreneurs' Day

Prof. Sachchidanand Shukla, Hon'ble Vice Chancellor of Pt. Ravishankar Shukla University, shared his profound insights and thoughts, highlighting the importance of entrepreneurship in shaping the future. His presence and words of wisdom added depth to the event. Hon'ble Vice Chancellor Professor Sachchidananda Shukla shared his profound insights by sharing general life examples. He encouraged students to do efforts in the field of innovation to raise the university's

voice globally. He advised young students to develop positive thinking, good behaviour and the right attitude to excel in their life.



Prof. Sachchidanand Shukla, Hon'ble Vice Chancellor of Pt. Ravishankar Shukla University, sharing his profound insights and thoughts



A lecture by Chief Guest Prof. Hulas Pathak

Chief Guest **Prof. Hulas Pathak**, an eminent figure in Agribusiness and Rural Management, delivered a lecture session. His expertise and experience inspired the audience, offering valuable insights into entrepreneurship and its role in agriculture and rural development. He explained the three stages and the challenges faced by new startups. He shared that many institutions are promoting startups in the field of Agriculture. Agri-business incubator like RKVY RAFTAR (RABI) is in IGKV. He also said that many opportunities for Entrepreneurship are introduced because of Artificial Intelligence. He motivated students to explore and excel in their respective fields. Kuldeep, a successful innovator funded by and owner of new startup FASAL BAZAAR has shared his journey and encouraged young minds.

Guest of Honor **Shri Sanjeev Jain**, Advisor at CREDA, Raipur, delivered a lecture during Session II. Shri Sanjeev Jain focused on the target India to achieve net zero carbon emissions and discussed the government support to the startups in the renewable energy sector. He highlighted some government plans like the National Electric Mobility Mission Plan, the Sustainable Agrarian Mission on the use of Argo residue in Thermal Power Plant (SAMARTH) and the National Green Hydrogen Mission. He shared some solar-based startups in the field of agriculture and transportation. He concluded his speech by encouraging students to emerge as an entrepreneur.



A lecture by Guest of Honor Shri Sanjeev Jain

The dignitaries and speakers were honoured with mementoes, Shrifal, shawl and rajkiya gamcha as tokens of appreciation for their valuable contributions. The memento presentation ceremony was a gesture of gratitude for their presence and insights.



Felicitation of Prof. Hulas Pathak (Chief Guest) by Prof. Kavita Thakur and Dr. Amber Vyas



Felicitation of Shri Sanjeev Jain (Guest of Honor) by Dr. Laxmi Kant Chaure & Dr. Govind Prasad Sahu

The Celebration of "**World Entrepreneurs' Day**" at Pt. Ravishankar Shukla University, Raipur, was a resounding success, bringing together academia, industry, and students to celebrate the spirit of entrepreneurship. **Dr. Govind Prasad Sahu**, Member, IIC-PRSU Raipur extended the vote of thanks to the speakers and students.



Dr. Govind Prasad Sahu, Member, IIC-PRSU Raipur extended the vote of thanks



A Huge Group of Students and Faculties witnessing the event

The event's insightful lectures, motivational addresses, and warm interactions contributed to its overall significance. It served as a reminder of the role entrepreneurship plays in shaping the future and fostering innovation. More than 100 students from various departments like S.O.S in

Biotechnology, Electronics, Physics, CBS and Institute of RETM attended the program & benefitted. Members of Institution Innovation Council Dr. Govind Prasad Sahu, Dr. Ambar Vyas, Dr. Laxmi Kant Chaurse, Prof. Keshav Kant Sahu and student members extended their gracious presence in the program. Program was successfully conducted by Ms Nisha Gupta, student coordinator IIC, PRSU, Raipur. Faculty members Dr. Sunandan, Mr. Madhu, Mr. Anil, Ms. Neha Mr. G S Rathore, Ms. Ankita, Ms. Ayushi and Mr. Ankur were present. Dr. Govind Prasad Sahu, Member, IIC-PRSU Raipur extended the vote of thanks to the speakers and students.

TheHitavada

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ehitavada.com

comprehensive failures of the Congress government.

violence targeting medical practitioners.

PRSU organises World Entrepreneurs' Day



Dignitaries during the entrepreneurship session at Pt Ravishankar Shukla University, Raipur on Monday.

■ Staff Reporter
RAIPUR, Aug 21

THE annual observance as World Entrepreneurs Day recognises pivotal role that entrepreneurs play in driving economic growth, fostering innovation, and shaping the world's business landscape.

On the occasion of World Entrepreneurs' Day, Institution Innovation Council of Pt Ravishankar Shukla University (PRSU), Raipur organised entrepreneurship session of celebrated renowned speaker Professor Hulas Pathak, the

Head and PI-CEO of RKVY Raftaar Agri-Business Incubator (R-ABI) and Advisor CREDA, Raipur Sanjeev Jain. The program started with the welcome address of President IIC PRSU Professor Kavita Thakur. She welcomed Professor Sachchidananda Shukla, Vice Chancellor of PRSU, Chief Guest of event Professor Hulas Pathak and Guest of Honour Sanjeev Jain.

Professor Thakur shared the mission and vision of the council which is to execute, believe and navigate an idea to contribute to the society. She

focused on the Indian Entrepreneurs who have contributed significantly to the India's Economic growth.

The government schemes like Startup India Mission and PM Kaushal Vikas Yojana which are proving to be very much helpful to the entrepreneurs. Vice Chancellor Professor Sachchidananda Shukla shared his profound insights by sharing general life examples. He encouraged students to do efforts in the field of innovation to raise the university's voice globally. He advised young students to develop positive thinking, good behavior and right attitude to excel in their life.

Chief Guest of event Professor Hulas Pathak briefed about History of Entrepreneurship, Startups and incubators in India. He explained the three stages and its challenges faced by new startups. He shared that many institutions are promoting startups in the field of agricul-

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CENTRAL Chronicle 22.08.2023

Entrepreneurs embody the essence of dreamers, risk-takers, and innovators: Prof. Pathak

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आर्टिफिशियल इंटेलिजेंस के कारण उद्यमिता के अवसर बढ़े : डा. हुलास पाठक

प्रो. विशंकर शुक्ल विश्वविद्यालय के इंस्टीट्यूशन इनोवेशन काउंसिल परिषद की ओर से विश्व उद्यमी दिवस के अवसर पर व्याख्यान रखा गया। आइजीकेवी में संचालित आरकेवीवाइ रफ्तार एग्री-बिजनेस इंक्यूबेटर सेंटर के सीइओ डा. हुलास पाठक ने छात्रों को खुद का स्टार्टअप शुरू करने के लिए प्रेरित किया। उन्होंने केंद्र और राज्य सरकार की तरफ से नए स्टार्टअप को मिलने वाली सुविधाओं के बारे में भी बताया। उन्होंने कहा कि आइजीकेवी में संचालित इंक्यूबेटर सेंटर कृषि क्षेत्र में हो रहे स्टार्टअप को बढ़ाने में मदद करता है। साथ ही उन्हें अभिनव और उद्भव के तहत पांच से 25 लाख रुपये की ग्रांट भी दी जाती है। उन्होंने भारत में उद्यमिता के इतिहास, स्टार्टअप और इंक्यूबेटर के बारे में विस्तार से जानकारी दी। नए स्टार्टअप के सामने आने वाले चरणों और उनकी चुनौतियों के बारे में भी छात्रों को बताया।

उन्होंने कहा कि आर्टिफिशियल इंटेलिजेंस के कारण उद्यमिता के कई अवसर सामने आए हैं। इस दौरान कुछ सफल उद्यमियों ने अपनी सफलता के बारे में छात्रों



व्याख्यान कार्यक्रम में मौजूद मुख्य वक्ता डा. हुलास पाठक (दाएं से दूसरे) ● विश्वविद्यालय

को बताया। विशिष्ट अतिथि संजीव जैन ने शून्य कार्बन उत्सर्जन हासिल करने के भारत के लक्ष्य के बारे में बताया। उर्जा के क्षेत्र में स्टार्टअप को सरकारी समर्थन भी मिलता है। विश्वविद्यालय के कुलपति प्रो. सच्चिदानंद शुक्ल ने कहा कि जीवन में उत्कृष्टता प्राप्त करने के लिए सकारात्मक सोच, अच्छा व्यवहार और सही दृष्टिकोण होना बहुत जरूरी है। उन्होंने विश्व स्तर पर विश्वविद्यालय की आवाज बुलंद करने के लिए छात्रों को नवाचार

के क्षेत्र में प्रयास करने के लिए प्रोत्साहित किया। इंस्टीट्यूशन इनोवेशन काउंसिल परिषद की अध्यक्ष प्रो. कविता ठाकुर ने कहा कि परिषद का मकसद समाज में योगदान करने के लिए एक विचार को निष्पादित करना है। उन्होंने कहा कि स्टार्टअप इंडिया मिशन, पीएम कौशल विकास योजना जैसी सरकारी योजनाएं उद्यमियों के लिए काफी मददगार साबित हो रही हैं। कार्यक्रम में 100 से ज्यादा छात्रों ने हिस्सा लिया।

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REPORT OF LECTURE ON “COGNITIVE SKILLS: A PROBLEM SOLVING APPROACH”

BY

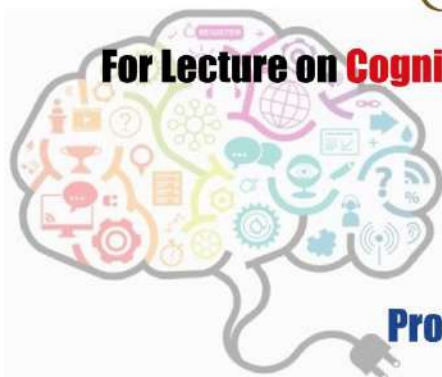
PROF. SACHCHIDANAND SHUKLA, HON'BLE VICE CHANCELLOR



Institution Innovation Council
Pt. Ravishankar Shukla University, Raipur

Welcomes You

For Lecture on Cognitive Skills: A Problem Solving Approach by



Prof. Sachchidanand Shukla
Hon'ble Vice-Chancellor



25th August 2023, 11:30 AM

Sir J.C. Bose Hall, School of Studies in Life Science

Institution Innovation Council of Pt. Ravi Shankar Shukla University, Raipur organized lecture on “Cognitive Skills: A Problem Solving Approach” by Honorable Vice Chancellor Prof. Sachchidanand Shukla on 25th August.

The event was organized at Sir J. C. Bose Hall, Pt. Ravi Shankar Shukla University. The program was started by dignitaries, Honorable Vice-Chancellor Prof. Sachchidanand Shukla, Pt. Ravi Shankar Shukla University Raipur, Prof. K.K. Ghosh, Professor, School of Studies in Chemistry, Prof. A.K. Gupta, Professor, School of Studies in Life Science, Prof. Kavita Thakur, President, I.I.C. Pt. Ravi Shankar Shukla University, with Saraswati Vandana and lighting of the lamp.

Prof. Sachchidanand Shukla delivered a lecture on the importance of cognitive skills in problem-solving approach. In his lecture he explained that this subject has been chosen because of its multifaceted benefits including educational, cultural, artistic, moral and mental development. He

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announced the focus on cognitive skills and upcoming curriculum enhancements in line with the New Education Policy. Cognitive skills, including creating, evaluating, analysing, applying, understanding, and remembering, are essential for brain development and competitive global engagement.



Prof. Kavita Thakur, President, I.I.C., Prof. A.K. Gupta, Professor, Life Science, Hon'ble Vice-Chancellor Prof. Sachchidanand Shukla & Prof. K.K. Ghosh, Professor, Chemistry (Left to Right) on the Dais



Hon'ble Vice-Chancellor Prof. Sachchidanand Shukla during Lecture

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Prof. A.K. Gupta, Professor, School of Studies in Life Science & Prof. K.K. Ghosh, Professor, School of Studies in Chemistry, Felicitating Hon'ble Vice-Chancellor Sir with Solar Garden Lamp

The lecture discussed ways to enhance cognitive skills such as maintaining a positive mindset, having a healthy diet, promoting consistency and creating a conducive environment. Hon'ble Vice-Chancellor Sir emphasized on the art of logical thinking, self-task management and



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changing one's way of thinking. He also informed about the ongoing placement drive by Mahindra and Techno Tech at Pt. Ravi Shankar Shukla University in Raipur. Also encouraged the students to appear for the interview.

Dr. Kavita Thakur while exhorting the students said that they should enhance their cognitive skills and adopt a positive approach to problem solving. Professor & Head of various teaching departments of University along with more than 200 students witnessed & benefited from the lecture. Dr. Govind Kumar Sahu, Member IIC conveyed Vote of Thanks. He thanked all the dignitaries and participants for gracing the occasion with their gracious presence. He also thanked the Registrar for providing all kinds of facilities for conducting such lectures at the Centre.



Pt. Ravishankar Shukla University, Raipur
UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
 in collaboration with
INSTITUTION'S INNOVATION COUNCIL

Presents UGC Sponsored Webinar Series on
KEY INITIATIVES TO IMPLEMENT THE NEP 2020

WEBINAR #2
SATURDAY, 26 AUGUST 2023
11.00 AM

SESSION TITLE: CURRICULUM AND CREDIT FRAMEWORK FOR UNDERGRADUATE PROGRAMMES FOR THE IMPLEMENTATION OF NEP-2020

EMINENT SPEAKER



Prof. Hare Krishna
 Senior Professor & Head,
 Department of Statistics,
 Chaudhary Charan Singh University, Meerut

PATRON



Prof. Sachchidanand Shukla
 Vice Chancellor
 Pt. Ravishankar Shukla University,
 Raipur



Convenor
Prof. Preeti K. Suresh
 Director, HRDC
 Professor, University Institute of Pharmacy
 Pt. Ravishankar Shukla University, Raipur



Coordinator
Prof. Kavita Thakur
 President, Institution's Innovation Council
 Professor and Head, SoS Electronics
 Pt. Ravishankar Shukla University, Raipur

Organizing Team

DR. ARVIND AGRAWAL, DR. BRIJENDRA PANDEY, DR. AMBER VYAS AND DR. INDRAPAL KARBHAL

REGISTRATION URL: <https://forms.gle/kVCroGCJ58wxkKWT8>



Who Can Attend: All Stakeholders of Higher Education Institutions

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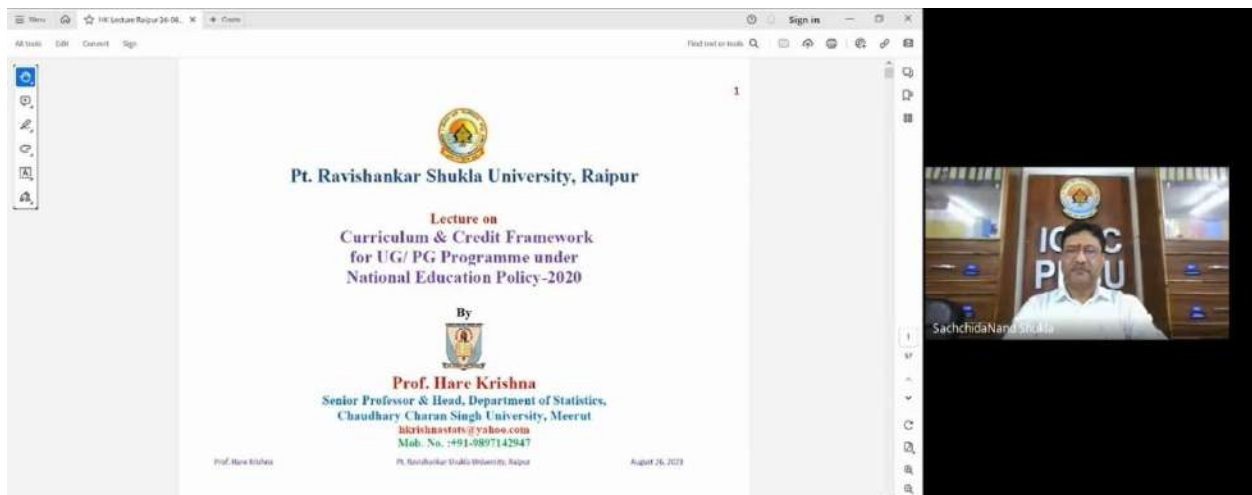
REPORT OF **Webinar on Key Initiatives to Implement the National** **Education Policy NEP 2020**

Session Title: Curriculum & Credit Framework for UG/PG Programme under National Education Policy-2020

The National Education Policy (NEP) 2020, started by the Union Cabinet of India on 29th July 2020, outlines the vision of new education system of India. The policy lays particular development of the creative potential of each individual. The NEP 2020 for higher education aims to transform the existing higher education system in India. This policy emphasizes on promoting interdisciplinary studies, introducing new subjects, and providing flexibility in courses and fresh opportunities for students.

With the aim of encouraging curriculum based on NEP 2020 for the holistic development of students, UGC-Human Resource Development Centre (HRDC) of Pt. Ravishankar Shukla University, in collaboration with Institute Innovation Council (IIC) of Pt. Ravishankar Shukla University, Raipur organized a webinar on “Curriculum and credit framework for undergraduate programmes for the implementation of NEP 2020” under UGC sponsored webinar series on ‘Key Initiatives to Implement the National Education Policy NEP 2020’ on 26th August 2023.

The webinar was graced by eminent speaker, Prof. Hare Krishna in the presence of Prof. Sachchidanand Shukla, Hon’ble Vice Chancellor, Pt. Ravishankar Shukla University, Raipur, Prof. Preeti K. Suresh, Convenor of the Webinar, Director, HRDC and Prof., University Institute of Pharmacy, PRSU, Raipur and Prof. Kavita Thakur, Coordinator of the Webinar, President, IIC-PRSU and Prof. and Head, SOS Electronics, PRSU, Raipur.



Hon'ble Vice-Chancellor Prof. Sachchidanand Shukla during his address

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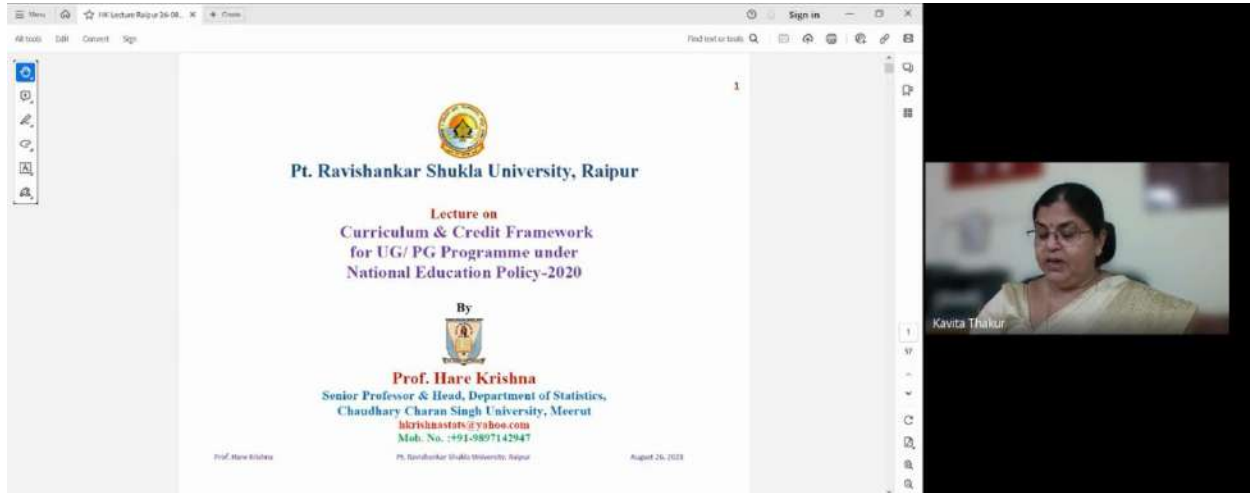
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Dr. Brijendra Pandey began the webinar with the welcome of Eminent speaker, Prof. Hare Krishna, Senior Prof. and Head, Dept. of Statistics, Chaudhary Charan Singh University, Meerut, Prof. Sachchidanand Shukla, Hon'ble Vice Chancellor, Pt. Ravishankar Shukla University, Raipur, Prof. Preeti K. Suresh, Prof. Kavita Thakur, faculty members, stakeholders, IIC-PRSU members and all the participants of the webinar.

Prof. Preeti K. Suresh gave a brief description of the NEP 2020 and the webinar followed by the introduction of the eminent speaker Prof. Hare Krishna, Senior Prof. and Head, Dept. of Statistics, Chaudhary Charan Singh University, Meerut, by Prof. Kavita Thakur.



Prof. Kavita Thakur, Coordinator of the Webinar, President, IIC-PRSU during her address

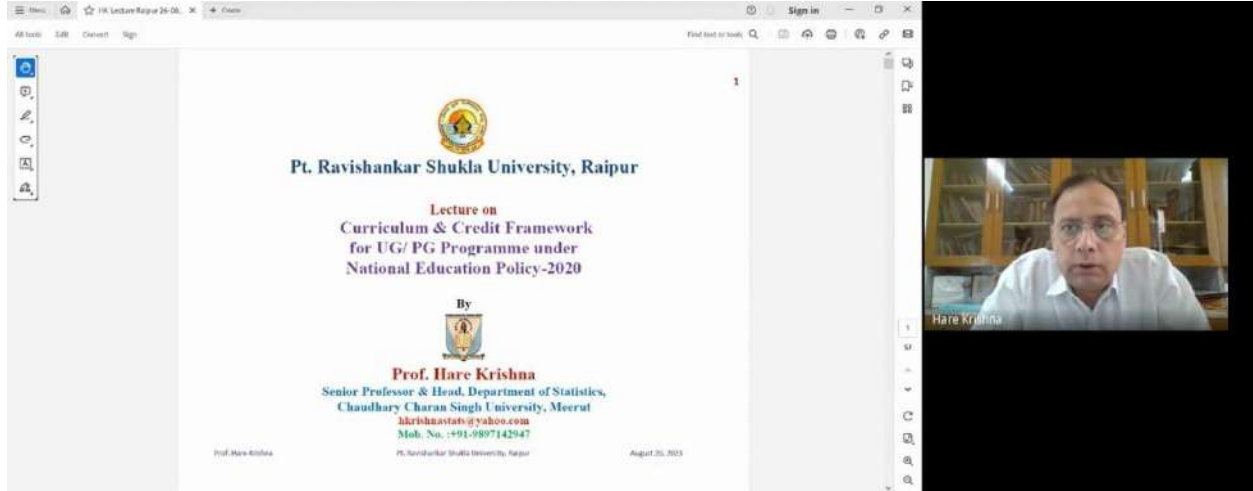
Prof. Hare Krishna has been an active member of Uttar Pradesh state level steering committee for implementation of NEP 2020 and the syllabus steering committee. He began the session by introducing the NEP 2020 to the audience. He explained the aim of NEP 2020 and explained how it was implemented in Uttar Pradesh. He also explained how NEP 2020 can be implemented in Chhattisgarh and how can a credit framework be made. He also focused on Academic Bank of Credits (ABC) proposed in NEP 2020 for flexibility among students of different branches, enhance their skills and knowledge. The webinar was interactive and everything was made clear to the audience. Queries of the audience was made clear by the speaker.

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The image shows a screenshot of a webinar presentation. The main slide is titled "Pt. Ravishankar Shukla University, Raipur" and features the university's logo. The slide content includes: "Lecture on Curriculum & Credit Framework for UG/ PG Programme under National Education Policy-2020", "By Prof. Hare Krishna", "Senior Professor & Head, Department of Statistics, Chaudhary Charan Singh University, Meerut", "hkrisnastats@yahoo.com", and "Mob. No. :+91-9897142947". The date "August 25, 2023" is visible at the bottom. To the right of the slide is a video feed of Prof. Hare Krishna, who is wearing glasses and a white shirt, speaking from a room with bookshelves.

Prof. Hare Krishna, Chief Speaker while his lecture

Prof. Sachchidanand Shukla, Hon'ble Vice Chancellor, Pt. Ravishankar Shukla University, express gratitude to the speaker on behalf of the University for giving his precious time for the session and expressed his desire for physical mode of interaction in near future.

The webinar was successfully conducted by Dr. Arvind Agrawal, Dr. Brijendra Pandey, Dr. Amber Vyas and Dr. Indrapal Karbhal. Dr. Arvind Agrawal extended vote of thanks to the speaker and students.