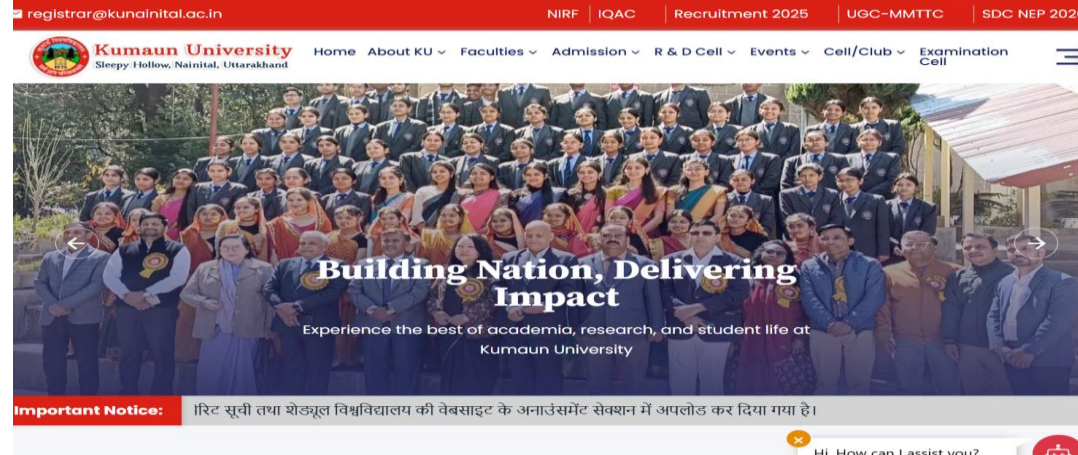




Annual Quality Assurance Report (AQAR) 2023-24

6.2.1 Research Progress Report

Criterion VI

Governance, Leadership and Management



6.2.1 Research Progress Report

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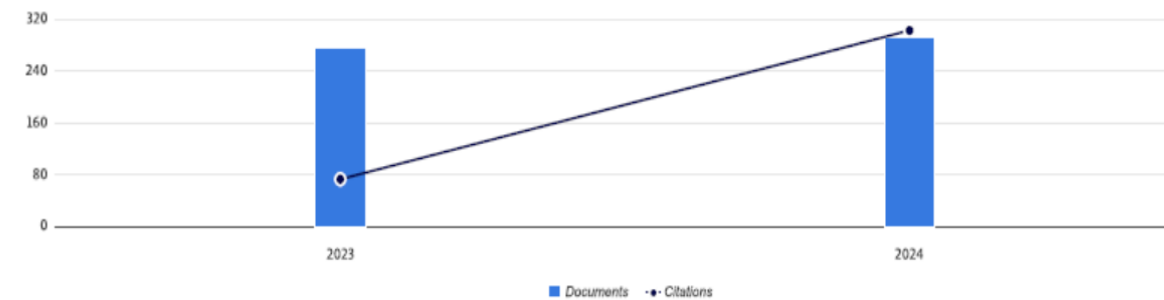


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6.2.1 Research Progress Report

2.7 Fostering Academic Excellence: Research Funding and Student Support Initiatives at Kumaun University

Kumaun University consistently demonstrates its unwavering commitment to academic excellence and holistic development through substantial investments in research funding and student support initiatives. Under the leadership of Vice-Chancellor Prof. Diwan S. Rawat, the university has disbursed Rs. 1.25 crore in internal research funding, directly benefiting 65 faculty members across diverse disciplines. This financial support not only advances innovative research but also fosters a culture of intellectual inquiry, collaboration, and growth within the institution, aligning with Prof. Rawat's vision for academic empowerment.

In addition to enhancing faculty research capabilities, Kumaun University places a strong emphasis on supporting student academic development. A total of 35 students received Rs. 88,000 in funding, enabling them to participate in conferences, present their research, engage with global peers, and gain invaluable exposure to the academic community. This initiative reflects the university's ongoing efforts to provide students with opportunities to expand their knowledge, gain professional experience, and build networks within their respective fields.

All such initiatives reflect Kumaun University's commitment to nurturing talent, fostering academic engagement, and preparing its students and faculty to meet future challenges.

1.5 Vice Chancellors and Professors appointed as Members of Subject Expert Committee

In a significant development, the Ministry of Science and Technology, Government of India, has appointed Prof. Diwan S. Rawat, Vice Chancellor of Kumaun University, and Dr. Santosh Kumar, Senior Professor, as members of the Subject Expert Committee under the FIST (Fund for Improving Science and Technology Infrastructure in Universities and Other Higher Education Institutions) programme.

The FIST programme, launched in 2000-2001, addresses the critical need for enhancing infrastructure in postgraduate teaching and research in higher education institutions. While some institutions have made strides in this area, many still require robust support to strengthen their teaching and research capabilities in basic equipment, networking and computer facilities, infrastructure management, and advanced research facilities.

As committee members, Prof. Rawat and Dr. Kumar will play key roles in evaluating proposals and guiding the allocation of funds, which are offered competitively under an

कुमाऊँ विवि के कुलपति व प्रोफेसर को मिली जिम्मेदारी

विक्टर जेठवी • जयपुर

विज्ञान एवं प्रौद्योगिकी के सुविचारों को बढ़ावा देने के लिए विवि विभिन्न स्तरों पर विचार-विमर्श कर रहा है।

कुमाऊँ विवि के कुलपति डॉ. दीवान रावत और डॉ. सन्तोष कुमार को विज्ञान एवं प्रौद्योगिकी के सुविचारों को बढ़ावा देने के लिए विवि विभिन्न स्तरों पर विचार-विमर्श कर रहा है।

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02

Kumaun University, Nainital

annual invitation-based system. Support is provided for a 5-year period, with funding limits set at three operational levels. The appointment underscores Kumaun University's growing influence in national academic and research policymaking. Prof. Rawat and Dr. Kumar's inclusion in this prestigious committee highlights their expertise and commitment to advancing science and technology infrastructure in India.

Prof. N.G. Sahoo has also been selected as a member of the Department of Science and Technology (DST) to evaluate proposal under the Women in Science and Engineering (WISE)-Societal Challenges with Opportunities (SCOPE) Fellowship Programme of the WISE-KIRAN Division. He has been recognized as an esteemed member of the Subject Expert Committee for the Energy, Waste, and Water Management (EWWM) theme area. This programme provides various opportunities for women scientists and technologists who are currently unemployed or have taken a career break, enabling them to return to mainstream research.

1.6 Kumaun University gets Rs 100 crore grant from Ministry of Education, Government of India

In a major boost to higher education, the Ministry of Education has launched the Pradhan Mantri Uchchatar Shiksha Abhiyan (PM-USHA) to strengthen the educational ecosystem of the nation. This year, 26 universities across India have been awarded financial assistance totaling ₹100 crore each to enhance their educational infrastructure, research capabilities, and innovation. Kumaun University, Uttarakhand, has been selected under the Multiple Disciplinary Education and Research Universities (MERU) category to receive this prestigious grant. The funds will be utilized to upgrade existing infrastructure, new centers like Center for Sustainable Urban Development, Center for Professional Development and Entrepreneurship, Center for Non-Conventional Energy Study, Center for Disaster Management, Center for Advanced Computing, Center for Excellence in Medicinal Plants and Wellness Lifestyle, Central Instrumentation Center will be established.

प्रो. साहू डीएसटी की समिति में शामिल

जयपुर • नैनीताल: विज्ञान एवं प्रौद्योगिकी

मंत्रालय (डीएसटी) के सदस्य के रूप में कुमाऊँ विश्वविद्यालय के प्रमुख के रूप में शामिल

प्रो. साहू डीएसटी की समिति में शामिल हैं। प्रो. साहू डीएसटी की समिति में शामिल हैं। प्रो. साहू डीएसटी की समिति में शामिल हैं।

पीएम-रूपा से कुमाऊँ विवि के छात्रों के हौसले भरेंगे उड़ान

राष्ट्र को नए विषय हलमें, जहाँ बूटियों का वैज्ञानिक दौरेन होगा

विक्टर जेठवी • जयपुर

कुमाऊँ विश्वविद्यालय के छात्रों को नए विषय हलमें, जहाँ बूटियों का वैज्ञानिक दौरेन होगा।

कुमाऊँ विश्वविद्यालय के छात्रों को नए विषय हलमें, जहाँ बूटियों का वैज्ञानिक दौरेन होगा।

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4. MoU for Research and Educational activities

4.1 Kumaun University signed a contract with Rockhill Agrotech Private Limited to promote research.

Kumaun University has signed an MoU with agriculture-based company Rockhill Agrotech Private Limited to advance research on medicinal and aromatic plants. The collaboration will facilitate the provision of chemical and biological samples to the Center for Excellence in Himalayan Medicinal Plants and Nano Technology, along with related departments.

The agreement was signed by Kumaun University Registrar and Rockhill Agrotech CEO Ajay Pal Singh Panwar in the presence of Vice Chancellor Prof. Diwan Singh Rawat and former scientist Dr. Ajay Kumar Singh Rawat. The Regional Development Institute in Kirti Nagar, Tehri Garhwal, has initiated commercial cultivation of these plants, which could revolutionize mountain agriculture through focused development and value addition. Vice Chancellor Prof. Rawat highlighted that this partnership will enhance research in university while contributing to the life and livelihood of Uttarakhand's people.

कुमाऊं विवि ने शोध के लिए अनुबंध किया

नैनीताल। कुमाऊं विवि ने शोध को बढ़ावा देने को रॉकहिल एग्रोटेक प्राइवेट लिमिटेड के साथ अनुबंध किया है। यह संस्थान औषधीय एवं संगंध पादपों के रासायनिक अवयवों, जैविक गतिविधियों के लिए सेंटर फॉर एक्सीलेंस इन हिमालयन मेडिसिनल प्लांट्स एंड नैनो टेक्नोलॉजी तथा संबंधित विभागों को संपूर्ण उपलब्ध कराएगा। अनुबंध पर हस्ताक्षर कुमाऊं विश्वविद्यालय के कुलसचिव दिनेश चंद्र एवं रॉकहिल एग्रोटेक देहरादून के मुख्य कार्यकारी अधिकारी अजय पाल सिंह पंवार ने किए हैं। अनुसंधान कार्य कुमाऊं विश्वविद्यालय के संकायाध्यक्ष बायोमैडिकल संकाय डॉ. महेंद्र राणा के नेतृत्व में होगा।

4.2 Kumaun University signed MoU with Korea Institute of Science and Technology (KIST) South Korea

An agreement has been signed between Professor Rajendra Singh Nano Science and Nano Technology Center, Department of Chemistry, Kumaun University and Korea Institute of Science and Technology (KIST) South Korea. Professor Nand Gopal Sahoo of the Department of Chemistry said that the objective of this agreement is to find innovative solutions in nano science and nano technology with focus on recyclable materials and platforms. Its main objectives are to facilitate the exchange of scholars, researchers and students between Kumaun University and KIST, to promote inter-cultural learning environment and encourage sharing of expertise. Under the contract, an agreement has been made on recyclable air mobility materials and platform. Registrar and Director, RDC and In-charge, Nano Science and Nano Technology Center of Kumaun University Prof. NG Sahoo and Dr. Yong Chae Jung, Director General of Convergence Research Center for Recyclable Air Mobility, Materials and Platform of KIST were present in the bilateral agreement signing.

नैनो साइंस में अत्याधुनिक अनुसंधान पर दक्षिण कोरिया और कुमाऊं विवि साथ करेंगे काम



संवाद न्यून एजेंसी कुमाऊं विवि का नैनो साइंस और नैनो प्रौद्योगिकी के क्षेत्र में कोरिया से करार

नैनीताल। कुमाऊं विश्वविद्यालय के प्रोफेसर राजेंद्र सिंह नेने साइंस एंड नैनो टेक्नोलॉजी सेंटर रसायन विज्ञान विभाग और कोरिया इंस्टीट्यूट ऑफ साइंस एंड टेक्नोलॉजी (केआईएसटी) के बीच करार हुआ है। रसायन विज्ञान विभाग के प्रो. नंद गोपाल साहू ने बताया कि इस समझौते का उद्देश्य पुनर्चक्रण योग्य सामग्रियों और प्लेटफॉर्म पर ध्यान देने के साथ ही नैनो साइंस और नैनो टेक्नोलॉजी में ज्ञान समन्वयन त्वारा है। कहा कि यह समझौता अनुसंधान सुविधाओं और प्रशिक्षण के माध्यम से ज्ञान को भी वसूल करता है जिससे दोनों संस्थानों के शोधकर्ताओं को अत्याधुनिक उपकरणों और संसाधनों तक पहुंच प्राप्त हो सके। कहा कि यह समझौता सरवोद्योगिक अनुसंधान परियोजनाओं को प्रोत्साहित करता है। दोनों संस्थानों के विद्वानों और शोधकर्ताओं को नैनो विज्ञान और नैनो प्रौद्योगिकी में अत्याधुनिक अनुसंधान पर एक साथ काम करने के लिए प्रोत्साहित करता है। बता दें अनुबंध के तहत विद्यार्थियों पर एयर मोबिलिटी प्लेटफॉर्म एंड प्लेटफॉर्म को लेकर समझौता किया गया है। द्विपक्षीय समझौता हस्ताक्षर में कुमाऊं विवि के रजिस्ट्रार एवं निदेशक, आरटीसी एवं प्रगति, नैनो साइंस एंड नैनो टेक्नोलॉजी सेंटर के प्रभारी प्रो. एनजी साहू और कन्वर्जेंस रिसर्च सेंटर फॉर रिक्लैबल एयर मोबिलिटी, मटेरियल्स और केआईएसटी के प्लेटफॉर्म की ओर से माननिदेशक डॉ. योंग चै जूंग सहित रहे। प्रो. साहू ने कहा कि केआईएसटी के साथ यह समझौता वैश्विक शैक्षणिक उत्कृष्टता को बढ़ावा देने की इसी प्रतिबद्धता में मेल का पक्ष है।

4.6 Memorandum of Understanding (MoU) between ICAR-Vivekanand Parvatiya Krishi AnusandhanSansthan, Almora and Kumaun University, Nainital

Kumaun University, Nainital, and ICAR-Vivekanand Parvatiya Krishi Anusandhan Sansthan (ICAR-VPKAS), Almora, have signed a Memorandum of Understanding (MoU) to strengthen mutual cooperation in research, training, and academic activities. The agreement was signed by Kumaun University's Registrar, and ICAR-VPKAS Director, Dr. Laxmi Kant, in the presence of Vice Chancellor Prof. Diwan S. Rawat.

This MoU aims towards collaboration between ICAR-VPKAS scientists and Kumaun University's agricultural faculty for joint research, resource sharing, and capacity building. Both institutions will conduct collaborative academic programs, training sessions, and seminars, while also facilitating faculty and scientist exchanges. Research outcomes, including joint publications, will credit contributors from both organizations.



4.7 Kumaun University Partners with University of Georgia

Kumaun University has signed a Memorandum of Understanding with the University of Georgia, USA, to jointly study the behavior of the Indian summer monsoon. The agreement was signed by Dr. Rajeev Upadhyaya, Professor of Geology, Kumaun University, and Dr. David F. Porinju, Professor of Geography, University of Georgia, under a research project funded by the National Science Foundation, USA. In September, faculty members and research scholars from the University of Georgia will visit India to collaborate with Kumaun University in analyzing the changing behaviour of the Indian summer monsoon, particularly in the context of climate change. Publications resulting from this research will credit both universities, with contributions acknowledged appropriately.

Prof. Rajeev Upadhyay explained the significance of the Indian summer monsoon, which typically occurs from June to September, bringing crucial rainfall to India and Southeast Asia. Highlighting its unpredictable nature due to climate change, he emphasized the importance of such studies in understanding monsoon dynamics and mitigating potential impacts on the region's environment and agriculture.

Prof. Rawat emphasized the need for effective measures on both domestic and international fronts to stabilize India's climate patterns, acknowledging the interconnected nature of the global environment. Expressing confidence in the partnership, he stated, "This joint research work of Kumaun University and the University of Georgia will prove to be a milestone in understanding and addressing these challenges."

4.8 MOU between Kumaun University and IIT Roorkee for mutual partnership and cooperation in research, training and academic activities

MOU has been signed between Kumaun University and Indian Institute of Technology, Roorkee for mutual partnership and cooperation in research, training and academic activities. This MOU was signed in the presence of Vice Chancellor of Kumaun University, Nainital, Prof. Diwan S. Rawat and Director of Indian Institute of Technology, Roorkee, Prof. Kamal Kishore Pant.

The primary objectives of the MOU are to strengthen cooperation in the field of academic projects, research, skill development and technology. The MoU includes sharing of laboratory resources and scientific equipment required for programmes of common interest as mutually agreed upon, development of training programmes for faculty and staff of



4.10 Kumaun University partners with the American Chemical Society

Kumaun University has tied up with American Chemical Society to provide internship, career guidance, research paper writing, mock interviews as well as other career services to the students. On the initiative of Vice Chancellor Prof. Diwan S. Rawat, experts of American Chemical Society will provide online training to the students of KU from time to time. In this sequence, Senior Career Counselor of American Chemical Society Diksha Gupta interacted with the students of science class through online medium. She discussed with the students the subject of skills required to strengthen the competitive edge in the current global economy. While providing CV review, mock interviews and internship counselling.

