



CRITERION-3 RESEARCH INNOVATIONS AND EXTENSION

3.2 Innovative Ecosystem

2019-2024

Submitted to



3.2.1 Indian Knowledge System

3.2.1 Institution has created an Ecosystem for Innovations and has taken initiatives for creation and transfer of knowledge (2019-2024)

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Indian Knowledge System

The Indian Knowledge System (IKS) is a vast and timeless reservoir of wisdom that has evolved over millennia, encompassing diverse fields like philosophy, science, medicine, arts, ethics, and spirituality. Unlike fragmented approaches to learning, IKS embodies a holistic worldview where knowledge is not just about intellectual growth but is deeply interwoven with ethical living, environmental harmony, and spiritual awareness. From ancient treatises on governance and mathematics to profound insights into human consciousness, IKS offers pathways to knowledge that are sustainable, inclusive, and relevant even in today's world.

Rajagiri Viswajyothi College of Arts & Applied Sciences is deeply committed to revitalizing and embedding the Indian Knowledge System within its academic and cultural framework. The institution recognizes that IKS is not merely a relic of the past but a living tradition that continues to inspire innovative thinking and holistic development. At Rajagiri Viswajyothi, this commitment is reflected in the integration of traditional Indian values, sustainability practices rooted in indigenous knowledge, and the celebration of cultural heritage. In a rapidly changing world where cultural homogenization is increasingly common, preserving the Indian Knowledge System is not just a matter of safeguarding heritage—it's about preserving a worldview that is uniquely poised to address modern challenges.

Objectives of Integrating IKS at Rajagiri Viswajyothi College

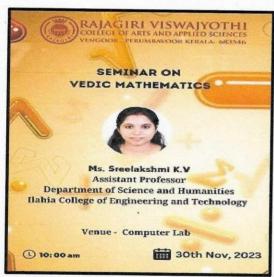
- Cultivate a deep appreciation for India's heritage, encouraging students to actively engage with and live their traditions.
- Instill traditional values like empathy, integrity, and respect in everyday learning, shaping compassionate and wise leaders.
- Promote sustainable living practices rooted in indigenous knowledge for a lifestyle aligned with nature.

Encourage creative problem-solving by blending ancient wisdom with modern ideas, fostering innovation rooted in cultural heritage.

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1. Seminar on "Vedic Mathematics"

On November 30, 2023, Rajagiri Viswajyothi College of Arts & Applied Sciences organized a seminar on "Vedic Mathematics" in the Computer Lab at 10:00 a.m. The session was led by Ms. Sreelakshmi K.V., Assistant Professor, Department of Science and Humanities, Illahia College of Engineering and Technology. The seminar aimed to introduce participants to the principles of Vedic Mathematics, an ancient system that offers quick and easy methods for arithmetic and algebraic calculations. Ms. Sreelakshmi demonstrated various mathematical shortcuts and techniques that can significantly speed up calculations, benefiting both students and professionals. The event saw enthusiastic participation from students and faculty. The interactive session allowed participants to ask questions and engage in practical exercises using the techniques introduced. The seminar concluded with a vote of thanks, expressing appreciation to Ms. Sreelakshmi for her insightful presentation. The seminar was successful in promoting an interest in mathematical efficiency and provided valuable tools for enhancing computational skills among participants.







Poster and Photo of the Event

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2. "Kerala Piravi" Celebration

Rajagiri Viswajyothi College of Arts & Applied Sciences marked its annual **Kerala Piravi** celebration with vibrant enthusiasm, honoring the state's rich cultural heritage while promoting awareness of the Indian Knowledge System. Organized by the Cultural Heritage Club, this yearly event fosters a deep appreciation of Kerala's traditions among students and staff. Kerala Piravi, celebrated on November 1st, marks the formation of the state of Kerala in 1956. This day holds special significance as it commemorates the unification of the Malayalam-speaking regions into a single state, highlighting Kerala's unique cultural identity. The highlight of the celebration was a mesmerizing Thiruvathirakali performance, a traditional dance that exemplifies Kerala's cultural essence. This art form, deeply embedded in the Indian Knowledge System, showcases the blend of rhythmic beauty and community spirit, underscoring the enduring relevance of Kerala's indigenous practices. By blending traditional knowledge with interactive activities, the Kerala Piravi celebration serves as a powerful reminder of the relevance of IKS in today's educational landscape, reinforcing the college's commitment to preserving cultural heritage.





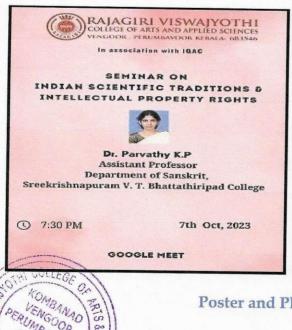
Poster and Photo of the Event



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3. Seminar on "Indian Scientific Traditions and Intellectual Property Rights"

On October 27, 2023, an insightful online seminar was organized on the topic of "Indian Scientific Traditions and Intellectual Property Rights." The event was a collaborative effort between V.T. Bhattathirippad College, Sreekrishnapuram, Palakkad, the Vaikhari Centre for Research in Kerala Heritage, and Rajagiri Viswajyothi College of Arts & Applied Sciences. The seminar aimed to create awareness among students and faculty about the rich heritage of the Indian Knowledge System and its relationship with Intellectual Property Rights IPR. The resource person for the session was Dr. Parvathy K.P., Assistant Professor, Department of Sanskrit, Sreekrishnapuram, V.T. Bhattathirippad College, Palakkad. During her presentation, she highlighted how ancient Indian scholars developed groundbreaking concepts, many of which predate similar discoveries in other civilizations. She explored how knowledge systems like Ayurveda, Yoga, and Vedic Mathematics have gained global recognition and are increasingly seen as valuable intellectual assets. The online seminar was a step towards bridging the gap between India's scientific traditions and contemporary intellectual property frameworks.





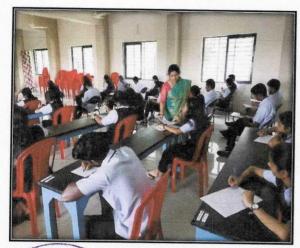
Poster and Photo of the Event

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4. Hindi Diwas Celebration

On September 14, 2023, the Department of Languages at Rajagiri Viswajyothi College of Arts & Applied Sciences proudly celebrated Hindi Diwas with great enthusiasm, focusing on the Indian Knowledge System and its connection to India's linguistic and cultural heritage. The event highlighted the significance of Hindi as a medium that carries the essence of India's diverse traditions and knowledge systems. The centerpiece of the celebration was an Essay Writing Competition centered around the theme "Legends of India." This theme offered students an opportunity to delve into the lives and contributions of India's historical and cultural icons, many of whom are integral to the Indian Knowledge System. Through their essays, participants explored the values, philosophies, and teachings of legendary figures that continue to shape India's identity. The celebration of Hindi Diwas successfully underscored the role of language as a vessel for preserving and transmitting indigenous knowledge. By connecting students with the cultural and intellectual heritage embedded in Hindi, the event reinforced the importance of safeguarding India's linguistic diversity within the broader IKS framework.





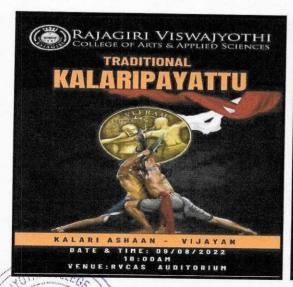
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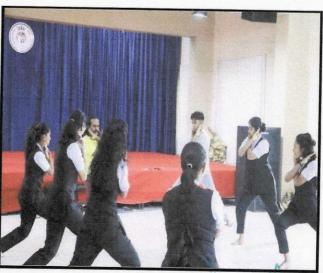
Hindi Diwas Essay Writing Competition

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5. Workshop on Traditional "Kalarippayattu"

On August 9, 2023, the Sports Club of Rajagiri Viswajyothi College of Arts & Applied Sciences organized a program dedicated to showcasing and training students in the traditional martial art of "Kalaripayattu", aligning with the principles of the Indian Knowledge System. The event featured Kalari Ashan Vijayan, a distinguished expert in the field, who not only demonstrated the ancient techniques and philosophies of this South Indian martial art but also provided hands-on training for students. Kalari Ashan Vijayan delivered an in-depth presentation on the history, principles, and practices of "Kalaripayattu", emphasizing its deep connection to the Indian Knowledge System. He highlighted how "Kalaripayattu" goes beyond physical combat, offering a holistic approach that integrates body, mind, and spirit-key elements of IKS. Students were given the opportunity to learn and practice basic movements, stances, and techniques under the guidance of the Ashan, gaining a firsthand understanding of the discipline and focus required in this ancient martial art. This event not only enriched students' understanding of Indian martial arts but also underscored the college's commitment to preserving and promoting cultural traditions within the broader context of IKS.



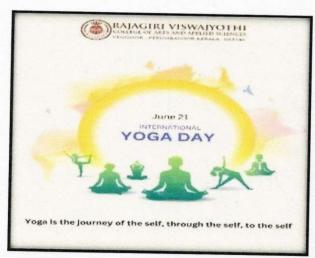


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6. International Yoga Day Celebration

Rajagiri Viswajyothi College of Arts & Applied Sciences celebrated International Yoga Day on June 21, 2023, with enthusiastic participation from the student community. The event highlighted yoga's significance as a key component of the Indian Knowledge System, emphasizing its role in fostering holistic physical and mental well-being. The celebration featured various yoga sessions led by experienced instructor Mr. Sony Sebastian. These sessions provided students with practical insights into traditional yoga practices, showcasing how yoga is deeply rooted in the ancient wisdom of IKS. Mr. Sebastian's guidance allowed students to explore yoga's benefits, which extend beyond physical fitness to include mental clarity, emotional balance, and spiritual growth. This celebration not only deepened students' appreciation for yoga as a vital aspect of India's cultural and spiritual heritage but also encouraged them to embrace a holistic approach to health.





Poster and Photo of the Event

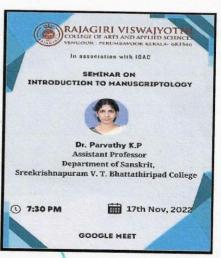
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7. Seminar on "Introduction to Manuscriptology"

On November 17, 2023, Rajagiri Viswajyothi College of Arts & Applied Sciences, in association with VTB College and the Vaikhari Centre for Research in Kerala Heritage, hosted an online seminar titled "Introduction to Manuscriptology." The seminar aimed to enhance awareness among students and faculty about the rich heritage of the Indian Knowledge System through the study of manuscripts. The seminar was conducted by Dr. Parvathy K.P., Assistant Professor in the Department of Sanskrit at Sreekrishnapuram V.T. Bhattathirippad College, Palakkad. Dr. Parvathy provided an insightful exploration of manuscriptology, a crucial field within IKS that focuses on the study, preservation, and understanding of ancient manuscripts. Her presentation covered the historical significance of manuscripts, their role in preserving cultural and intellectual heritage, and the methodologies employed in manuscript research and conservation. The event successfully fostered a deeper appreciation for the study of manuscripts and their role in preserving India's rich cultural heritage. By connecting manuscriptology with the broader context of IKS, the seminar underscored the importance of safeguarding and continuing the traditions of ancient knowledge systems.



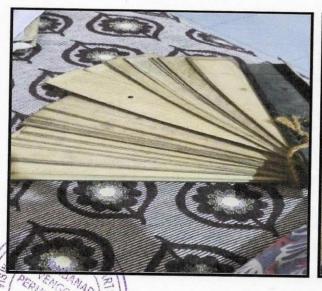


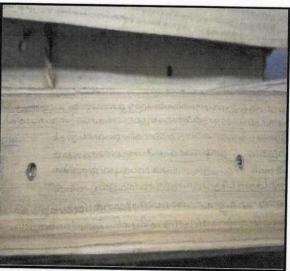
Screenshot of the Event

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8. Preservation of Palm Leaf Manuscripts

At Rajagiri Viswajyothi College of Arts & Applied Sciences, the preservation of palm leaf manuscripts exemplifies our dedication to safeguarding the Indian Knowledge System. These ancient documents are among the oldest forms of written tradition, serving as invaluable repositories of India's rich cultural and intellectual heritage. Palm leaf manuscripts hold significant historical value as they cover a vast array of subjects, including philosophy, medicine, astronomy, literature, and religious texts. They are not just physical artifacts but integral carriers of India's diverse knowledge systems, reflecting the scholarly pursuits and cultural practices of ancient times. By preserving these manuscripts, our college not only protects these priceless artifacts but also upholds the intellectual and cultural legacy of IKS. They provide critical resources for students, researchers, and scholars, offering profound insights into ancient knowledge systems and enhancing our understanding of India's historical and philosophical contexts. The commitment to preserving palm leaf manuscripts at Rajagiri Viswajyothi College underscores our respect for and dedication to the Indian Knowledge System. Through careful maintenance and study of these texts, we honor and perpetuate the traditions that have shaped India's intellectual landscape.





Manuscripts Preserved at RVCAS Library

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9. Herbal Garden

Rajagiri Viswajyothi College of Arts & Applied Sciences proudly maintains a well-curated herbal garden, home to over 50 species of medicinal herbs. This garden reflects the institution's commitment to the Indian Knowledge System by preserving traditional medicinal knowledge and promoting sustainable practices. The garden includes a diverse range of predominantly indigenous herbs, such as Peppermint (Mentha × piperita), Agnimandaram (Commiphora wightii), Ramathulasi (Ocimum sanctum, commonly known as Holy Basil), Ummam (Syzygium aromaticum, known as Clove), Vayambu (Acorus calamus, known as Sweet Flag), and Thippalo (Piper longum, known as Long Pepper). These are just a few examples of the many plants featured in the garden, each holding significant value within traditional Indian medicine systems like Ayurveda. By cultivating these medicinal herbs, our college not only supports the conservation of native plant species but also reinforces the importance of preserving traditional knowledge. The garden enhances the campus's green environment and provides valuable resources for educational and research initiatives.





Photo of RVCAS Herbal Garden

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10. Nadan Pattu Competition

Rajagiri Viswajyothi College of Arts & Applied Sciences is dedicated to promoting and preserving India's rich cultural heritage through various initiatives aligned with the Indian Knowledge System. One such initiative is the annual Nadan Pattu competition, a vibrant event that celebrates traditional folk music and its enduring significance. Nadan Pattu, or folk songs, are an integral part of Kerala's cultural legacy. These songs, passed down through generations, carry the wisdom, stories, and values of rural communities. By organizing the Nadan Pattu competition, the college provides a platform for students to explore and engage with these traditional art forms, encouraging a deeper appreciation for indigenous knowledge systems. The Nadan Pattu competition is more than just a celebration of music; it is a meaningful effort to sustain the oral traditions that are foundational to the Indian Knowledge System.





Photos of Nadan Pattu Competition

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11. "Kakkarassi" Performance

Rajagiri Viswajyothi College of Arts & Applied Sciences celebrated Kerala's vibrant folk culture by hosting a captivating performance of "Kakkarassi". The event was organized as part of the college's ongoing commitment to preserving and promoting the Indian Knowledge System through cultural expression. "Kakkarassi" is a unique folk performance that showcases the lives of the Kakkarassi, two iconic characters representing marginalized communities in Kerala. Through lively songs, expressive dance, and playful dialogues, the performance humorously depicts the joys, struggles, and daily experiences of these communities. This folk art is not just an entertainment piece but a powerful medium of storytelling, conveying the rich narratives of resilience, love, and social dynamics in traditional society. By staging "Kakkarassi", the college aims to keep alive these valuable traditions that are integral to Kerala's cultural identity. Such events play a crucial role in bridging the past with the present, allowing younger generations to experience and understand the wisdom, humor, and knowledge embedded in indigenous art forms.







Photos of "Kakkarassi" Performance

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12. Linkage Agreement for Education, Research, and Community Engagement with a Focus on the Indian Knowledge System

The linkage between Rajagiri Viswajyothi College of Arts & Applied Sciences, Vengoor, Perumbavoor, and Sreekrishnapuram V.T. Bhattathiripad College, Mannampatta, Palakkad, established a framework for collaboration in education, research, and community engagement, particularly centered around the Indian Knowledge System. Signed on July 5, 2022, this agreement aims to enhance mutual cooperation through initiatives such as joint workshops, seminars, and knowledge-sharing sessions focused on traditional practices, philosophies, and manuscript preservation.

The objectives outlined in the linkage include organizing collaborative activities to facilitate discussions on the significance and preservation of manuscripts, promoting research and documentation in Indian Knowledge Systems, and training students in reading and interpreting ancient manuscripts in Indian languages. Both institutions are committed to contributing the necessary resources—such as personnel, facilities, and materials—to ensure these goals are achieved.

Additionally, the agreement prioritizes confidentiality in handling sensitive information, with any amendments requiring written consent from both parties. The linkage is set for two years, with the option for early termination by mutual agreement. Both institutions also emphasize a policy of equal opportunity, ensuring no discrimination based on race, religion, gender, or other factors.

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LETTER OF LINKAGE



Rajagiri Visivajyothi Callege of Arts & Applied Science Vengoor, Perumbayoor, Ernakulam, Kerala - 653546

& Sreekrishnapuram V. T. Bhattathiripad College, Mannampatta, Palakkad, Kerala = 678633

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Objectives

- Both parties agree to jointly organize Workshops and Seminars on the lockur. Knowledge 59 stem, focusing on Traditional Practices, Philosophies and Manuscripts.
- Both parties agree to facilitate knowledge-sharing sessions and documents on the significance and Preservation of Manuscripts.
- Both parties agree to promote Research, Preservation and Decumentation related to Indian Knowledge System.
- Both parties will work together to train students on Reading and Interpreting Ancient Manuscripts in Indian languages.

The parties agree to contribute resources, including personnel, facilities, and instroities, as moded, to fulfil the objectives outlined in this Linkage. And insured arrangements related to collaborative activates will be detailed in separate agreements.

Both parties agree to maintain the confidentiality of any proprietary or sensitive information shared during the collaboration and to obtain mutual consent before disclosing such information to third parties.

Any amendments to this Linkage must be made in writing and signed by authorized representatives of both parties.

This Linkage shall be effective as of the date of signature of both porties, and shall remain in force for a period of 2 years, unless terminated earlier by mutual agreement in writing. Either party may terminate this Linkage with written actice to the other party, with termination taking effect 30 days from the date of notice.

Both institutions subscribe to a policy of equal appartunity and will not discriminate on the basis of race, religion, colour, sex, age, national origin or ancestry, marital status, parental status, disability or veteran status.

This Letter of Linkage is written in English.



Principal

Dr. Joy P Joseph

Rajagiri Viswajyothi College of Arts & Applied Sciences, Vengoor, Perumbayoor, Ernakulam, Kerala, India. Principal PS los | 2002

Dr. Jayan E.

Sreekrishnapurom V. T. Bhattathingad College, Mannampatta, Palakkad, Kerala, India

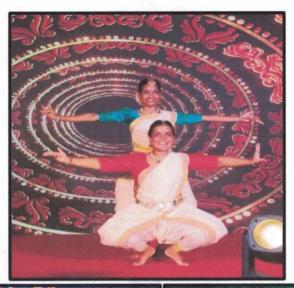


Letter of Linkage

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Folklore club at Rajagiri Viswajyothi College of Arts and Applied Sciences

The Folklore Club has been one of the active clubs on the campus since 2022. The club promotes the ideas, customs, traditions, and heritage of all the people in and around our society. The Club organized Nadodi Nirtham competitions, Nadaka Kalari (Folklore Theatre workshop), Nadan Pattu Competitions, Poetry Reciting on local legends like Iringole Kavilamma (Vana Durga), Kadamattathu Kathanaru etc.

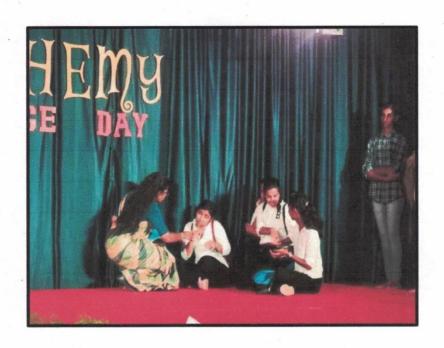








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Photos of Nadaka Kalari (Folklore Theatre Workshop)





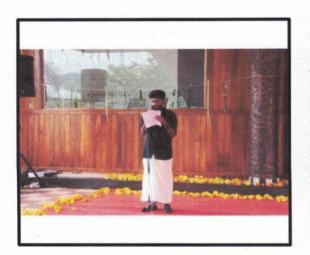




Photos of Nadan Pattu Competitions









Photos of Poetry Recitation on local legends









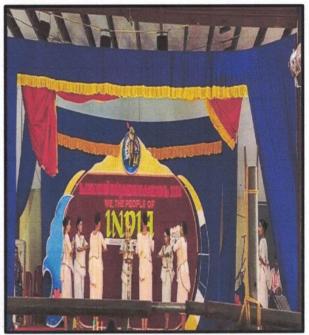
Photos of Proverb Competitions



Peer teaching of Margamkali and Thiruvathira at Rajagiri Viswajyothi College of Arts and Applied Sciences

Mr. Joseph Mathew, a Bachelor of Business Administration student, of RVCAS conducted a peer teaching session on Margam Kali to prepare his classmates for the M.G. University Kalolsavam. This peer teaching initiative significantly contributed to the team readiness for the upcoming competition.





Photos of Margamkali Team with their Peer Teacher Mr. Joseph Mathew



Ms.Keerthana Madu, BA English Triple Main student of RVCAS has taken on the role of a peer teacher, guiding others in the preparation of the Thiruvathira kali as part of the Onam celebrations at the RVCAS campus.





Photos of Thiruvathira



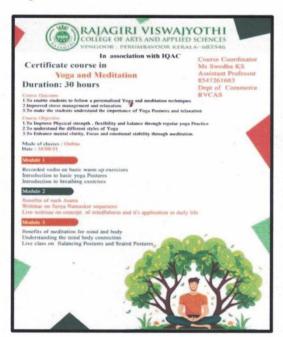
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Certificate Courses at Rajagiri Viswajyothi College of Arts and Applied Sciences

RVCAS offers a variety of certificate courses aimed at strengthening the Indian Knowledge System. These include:

- 1. Certificate Course in Nadan Pattu (RVLNG21010) focuses on traditional folk songs.
- 2. Certificate Course in Yoga and Meditation(RVBFL21009) emphasizes physical and mental wellness.
- 3. Certificate Course on Value Education (RVBFL20006) promotes moral and ethical learning.
- 4. Certificate Course in Storytelling through Myth(RVLNG19002) explores mythological narratives and their impact.
- 5. MOOC Course in Organic Farming.

These courses are designed by RVCAS to promote a sense about India's rich cultural heritage in students.







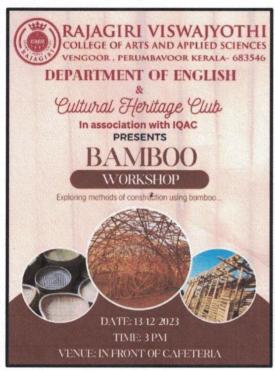
Brochure of Certificate Courses

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Workshop on Bamboo Crafting

The English and Cultural Heritage Club hosted a Workshop on Bamboo Crafting on December 13th,2023 in front of the cafeteria. The workshop aimed to teach essential bamboo crafting techniques to encourage sustainability. Mr.Papu serving as the workshop's leader, a resident of Vengoor Gramapanchayath guided 17 participants through practical sessions on cutting, shaping weaving, and finishing it into a complete bamboo product.

By the end of the workshop, through practical and interactive sessions, students were able to acquire a deeper appreciation for sustainable practices and expanded their understanding of Bamboo's versatility as a medium for creative expression.





Poster and Photo of Bamboo Crafting Workshop



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Ayurgranda, A Handwritten Manuscript of Local Medicinal Practices

Ayurgranda, a manuscript created by students of RVCAS, is preserved on the campus based on the knowledge gathered from residents of Vengoor Grama Panchayath. This manuscript is a unique collection of insights into traditional knowledge, related to Ayurveda or local medicinal practices. The Herbal Garden inside the campus enriched this experience.



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