

RAMAN RESEARCH COMPENDIUM

Research in 2024-25



DR. C.V. RAMAN UNIVERSITY

AN ISO 9001:2015 CERTIFIED FOR QMS

Madhya Pradesh, Khandwa

AN AICTE GROUP UNIVERSITY

DR. C.V. RAMAN UNIVERSITY

Approved by : MP. Govt., AICTE, NCTE, MP PARAMEDICAL COUNCIL, PCI Recognized by : UGC Member of : AIU

Vice-Chancellor's Message

Message from the Vice-Chancellor

It gives me immense pleasure to present the **Research Compendium** of Dr. C. V. Raman University, Khandwa, which reflects our unwavering commitment to the philosophy of “**Research in Use**”.

At CVRUK, research is not merely an academic exercise, it is a powerful instrument for creating practical solutions, empowering communities, and contributing to sustainable national development.

Guided by the vision of the National Education Policy (NEP) 2020, CVRUK fosters a vibrant research ecosystem that encourages innovation, interdisciplinary collaboration, intellectual property creation, entrepreneurship, and societal engagement. Our faculty members, researchers, and students are continuously working towards transforming ideas into impactful outcomes that address real-world challenges.

This compendium showcases the diverse research accomplishments of CVRUK, including external funded projects, patents applied, published and granted, innovations, publications, community-based research, industry collaborations, and technology-driven initiatives. From sustainable agriculture and food processing innovations to renewable energy, tribal development, health, education, and policy research, each contribution reflects our commitment to ensuring that research reaches society and creates measurable impact.

I extend my sincere appreciation to the Research & Innovation Cell, faculty members, scholars, students, and all stakeholders whose dedication has strengthened our culture of excellence. Their relentless pursuit of knowledge and innovation continues to elevate the University's research profile at regional, national, and international levels.

I am confident that this Research Compendium will not only document our achievements but also inspire researchers, academicians, industry partners, and policymakers to collaborate in building a future where research serves humanity through innovation, inclusivity, and sustainable development.

I convey my best wishes to everyone associated with this remarkable endeavor and encourage all researchers to continue transforming knowledge into meaningful impact through “**Research in Use**.”

Dr. Arun R. Joshi
Vice-Chancellor
Dr. C. V. Raman University, Khandwa

Registrar's Message

Message from the Registrar

It is a matter of great pride to present the Research Compendium of Dr. C. V. Raman University, Khandwa, showcasing the University's growing commitment to excellence in research, innovation, and knowledge creation. This publication reflects our collective efforts to build a dynamic academic environment where research is translated into meaningful outcomes for society through our guiding philosophy of “**Research in Use.**”

At Dr. C. V. Raman University, we are committed to providing a robust administrative and academic ecosystem that supports quality research. Through transparent governance, effective policies, modern research infrastructure, ethical practices, and interdisciplinary collaboration, the University strives to create an environment where faculty members, researchers, and students can pursue innovative ideas with confidence and purpose.

The achievements presented in this compendium—including funded research projects, patents, publications, innovations, industry collaborations, community outreach initiatives, and capacity- building programers — demonstrate the University's steady progress towards becoming a center of research excellence. These accomplishments are the result of the dedicated efforts of our faculty, scholars, administrative teams, and valued collaborators.

I sincerely appreciate the contributions of the Research & Innovation Cell and every researcher who has contributed to strengthening the University's research culture. Their commitment to academic integrity, innovation, and societal impact continues to enhance the reputation of our institution.

I hope this Research Compendium will serve as a valuable record of our achievements and inspire greater collaboration, innovation, and excellence in the years ahead. I extend my best wishes to all researchers and reaffirm the University's commitment to fostering research that creates knowledge, addresses societal challenges, and contributes to national development.

Best Wishes,

Ravi Chaturvedi

Registrar

Dr. C. V. Raman University, Khandwa

INTRODUCTION

Dr. C.V. Raman University, Khandwa, envisions research not merely as a pursuit of academic knowledge but as a powerful tool for societal transformation. The university has adopted the principle of “Research into Use”, which emphasizes innovation in research and ensures that the outcomes are translated into practical solutions that benefit society at large. This approach marks a paradigm shift from research that remains confined to papers and presentations, to research that is applied, accessible, and impactful.

The essence of “Research into Use” lies in two key aspects — first, fostering innovation during the research process, and second, ensuring that the results of the research are usable, scalable, and beneficial to communities, especially the underprivileged, rural, and tribal populations. It emphasizes that research should not end at discovery, but should lead to deployment — where findings are converted into real-world solutions that improve lives.

The Raman Research Compendium is a reflection of this very vision. It brings together research initiatives that are either rooted in innovation or are focused on practical utility. Whether it is the development of sustainable agricultural practices, indigenous technology models, tools for women's empowerment, digital education solutions for remote areas, or models of livelihood generation based on local resources — all featured research in this compendium aims to bridge the gap between the laboratory and the field.

The university actively encourages its researchers, faculty, and students to design and conduct research that responds to real social, economic, and environmental needs. Through platforms like the Innovation and Research Cell, Rural Entrepreneurship Development Hub, and Participatory Research Programs, the university provides mentorship, resources, and field engagement opportunities to ensure that research is not done in isolation, but in collaboration with the communities it aims to serve.

Our research model integrates methods like Participatory Technology

Development (PTD) and Participatory Action Research (PAR), where researchers co-create knowledge and solutions by working alongside farmers, tribal groups, artisans, and educators. This participatory framework ensures that the end-users of technology and innovation are involved right from the design stage, which enhances relevance, adoption, and impact.

The Raman Research Compendium is, therefore, more than a document — it is a philosophy in action. It stands as evidence that when research is aligned with real-world needs and driven by compassion and innovation, it has the power to create lasting and inclusive development. It is our commitment to make research a driving force for equitable growth, grassroots empowerment, and sustainable progress.

Dr. C.V. Raman University believes that every research activity should serve a greater purpose — not just knowledge creation, but knowledge application. With this compendium, we invite you to witness the transformative potential of research that is innovative in nature and impactful in practice — research that is truly “into use.”

The objectives of the Raman Research Compendium are to:

1. Promote "Research into Use" by showcasing research that is not only innovative but also practically applicable for societal benefit.
2. Encourage problem-solving research that addresses real-life challenges, particularly in rural, tribal, and underserved communities.
3. Document and disseminate impactful research conducted by faculty, scholars, and students across various disciplines.
4. Foster a culture of innovation and social responsibility in higher education and research ecosystems.
5. Bridge the gap between academic research and community development through participatory and interdisciplinary approaches.
6. Purpose and Scope of the Raman Research Compendium

PURPOSE:

The Raman Research Compendium is a curated collection of research initiatives that embody the principle of “Research into Use” — focusing on both innovation and applicability. Its primary purpose is to promote a research culture that goes beyond academic inquiry and contributes directly to social, economic, and environmental development. This compendium aims to highlight the transformative role of research in addressing grassroots challenges and enhancing the quality of life, especially for marginalized and rural communities. By documenting actionable, field-ready research, the compendium serves as a bridge between theory and practice, laboratory and society, ideas and implementation.

It also serves to:

- Recognize and encourage researchers who are working on need-based, impact-driven projects.
- Inspire interdisciplinary and participatory approaches to research.
- Provide a reference for policymakers, institutions, and development organizations seeking innovative, field-tested solutions.
- Align academic research with national priorities such as the NEP 2020, Sustainable Development Goals (SDGs), and Atmanirbhar Bharat.

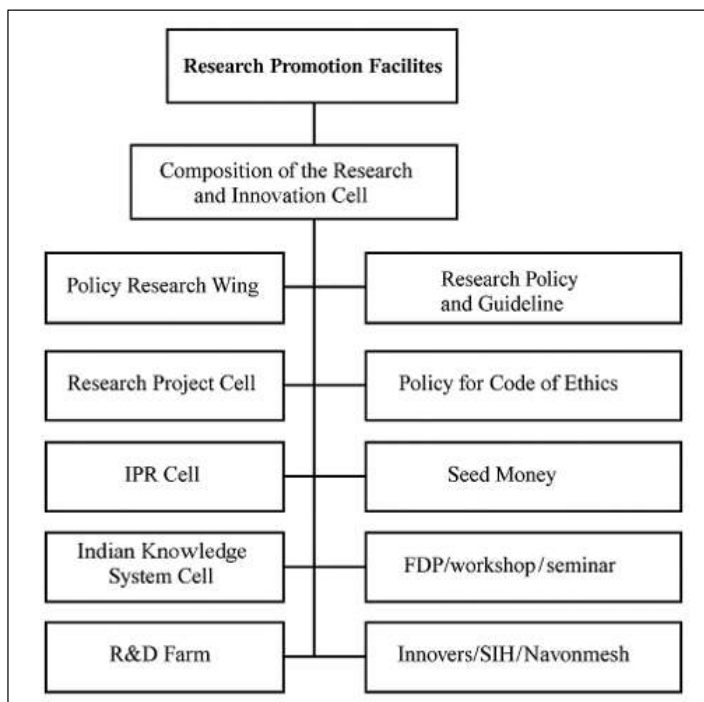
SCOPE:

- The scope of the Raman Research Compendium is broad and inclusive, covering research activities across diverse disciplines such as:
- Agricultural and Rural Innovation: Technologies and models to support farmers, improve productivity, and ensure sustainability.
- Tribal and Community Development: Research aimed at livelihood enhancement, education, and health in tribal areas.
- Education and Pedagogy: Innovative teaching methods, digital tools, and inclusive education strategies.
- Environment and Sustainability: Projects focused on

conservation, renewable energy, waste management, and climate resilience.

- **Healthcare and Well-being:** Community health interventions, low-cost medical technologies, and traditional knowledge systems.
- **Entrepreneurship and Livelihoods:** Research that contributes to skill development, job creation, and local entrepreneurship.
- **Policy and Social Innovation:** Studies that inform public policy and promote social justice, equity, and empowerment.

The compendium welcomes contributions from faculty, students, researchers, and collaborators who are committed to using knowledge for societal advancement. It serves as a dynamic repository of research excellence with relevance, impact, and purpose at its core.



2. Research Promotion Facilities

2.1 compositions of the Research and Innovation Cell

The Research and Innovation Cell at Dr. C.V. Raman University, Khandwa, plays a pivotal role in building a strong research ecosystem and promoting a culture of innovation. It consists of several specialized wings and centers, each contributing uniquely to research promotion and its application in real-life contexts.

The Policy Research Wing focuses on developing evidence-based policy frameworks and conducting in-depth studies that support governance, institutional reforms, and social advancement. This wing ensures that research not only generates academic outcomes but also informs real-time decision-making processes.

The Research Project Cell facilitates the design, funding, and implementation of faculty- and student-led research projects. It encourages interdisciplinary approaches and connects researchers with external funding agencies, thereby fostering a research-driven environment.

The IPR Cell (Intellectual Property Rights Cell) is dedicated to spreading awareness about patents, copyrights, and innovation protection. It supports faculty and students in filing patents, thus converting creative ideas into protected, market-ready innovations.

The Indian Knowledge System (IKS) Cell promotes research based on India's rich traditional wisdom. It integrates ancient knowledge with modern science to develop sustainable, culturally rooted solutions that address local and national challenges. This cell is particularly instrumental in revitalizing heritage knowledge systems under the framework of the National Education Policy (NEP) 2020.

The R&D Farm provides a live laboratory for agricultural research and experimentation. Researchers and students use this space to test new technologies, cropping patterns, and organic practices. It acts as a field-based research hub that supports innovation in agri-tech and environmental sustainability.

RAWE (Rural Agricultural Work Experience) and READY (Rural Entrepreneurship Awareness Development Yojana) are experiential learning programs that bridge academic research with field exposure. Students engage with rural communities, conduct research on local problems, and develop implementable solutions — thus promoting participatory research and action learning.

The Happy Harda initiative links agricultural research with community happiness and prosperity. It promotes livelihood-oriented innovation among tribal and rural populations by involving them in research activities and entrepreneurship development, aligning with the concept of “Research into Use.”

Finally, the Centre for Science and Communication acts as a dynamic interface between researchers and the public. It plays a key role in disseminating research findings, promoting science literacy, and encouraging collaborative research communication. It also supports content creation, policy briefs, and public engagement activities that amplify the impact of university research.

Together, these units under the Research and Innovation Cell create a comprehensive framework that not only promotes high-quality research but also ensures that it is useful, ethical, inclusive, and aligned with societal needs. Through this structure, the university truly embodies the spirit of Research Promotion Facilities that lead to innovation, empowerment, and sustainable development.

2.2 Research Policy

The Research Policy and Guideline of Dr. C.V. Raman University, Khandwa, serves as a comprehensive framework to guide, promote, and regulate research practices across the institution. It begins with a clear introduction to the purpose of the policy, emphasizing the university's commitment to advancing meaningful and ethical research that contributes to knowledge creation and societal development. The policy is applicable to all stakeholders involved in research, including faculty members, research scholars, students, and collaborators. It expresses a strong institutional stance in favor of innovation-driven and socially impactful research, supporting the idea

that knowledge must translate into action.

The rationale behind the policy is rooted in the need to formalize research processes, ensure ethical standards, and align academic endeavors with national priorities such as NEP 2020, Sustainable Development Goals (SDGs), and Atmanirbhar Bharat. The policy outlines objectives that aim to foster interdisciplinary research, encourage problem-solving approaches, and strengthen collaborations that yield real-world impact. It highlights the importance of research translation through participatory methods, especially in underserved areas.

Research management is overseen by the Research, Innovation, Development, and Dissemination Committee (RIDDC), which includes representatives from various domains. This committee is tasked with monitoring the research ecosystem, evaluating proposals, recommending improvements, and ensuring the implementation of the university's research vision. Researchers have specific rights and responsibilities, including the ethical use of data, protection of intellectual contributions, adherence to health and safety standards, and transparent collaboration. Faculty members are responsible for mentoring students and staff, while principal investigators must maintain accountability to sponsors, manage equipment effectively, and submit timely reports and utilization certificates.

The policy outlines a practical modus operandi for initiating research, preparing technical reports, and protecting intellectual property. It includes provisions for grievance redressal, confidentiality, and the responsible use of personal documents or sensitive materials. Guidelines are provided on authorship and credit-sharing in publications to ensure transparency and integrity in academic writing. The document addresses issues of research misconduct and emphasizes mechanisms for preventing and responding to unethical behavior.

Further, the policy stipulates protocols for data retention, use of human and animal subjects in research, and gender equity in research participation. It upholds environmental safety and health norms

during research activities and includes guidance on export controls and degree-oriented research. Institutional mechanisms such as Memorandums of Understanding (MoUs) for collaborations, financial responsibility in funded projects, and proper accounting of sponsored research are also included.

Special sections are devoted to innovative initiatives such as the Idea Lab and the application of Participatory Action Research (PAR) and Participatory Technology Development (PTD) approaches. These strategies promote community-based problem-solving and knowledge dissemination. The policy also recognizes the pivotal role of the Centre for Science and Communication in bridging academic research with society through outreach and knowledge translation. Additionally, it incorporates a school-wise matrix for research dissemination and supports students through research fellowships and guidance, creating an inclusive and holistic research environment within the university.

2.3 Policy for Code of Ethics

At Dr. C.V. Raman University, the Policy for Code of Ethics aims to uphold the highest standards of honesty and integrity in academic and research practices. Recognizing that teaching and research are professions rooted in moral values, the university enforces strict guidelines to prevent unethical practices such as plagiarism, which compromise both the academic atmosphere and institutional credibility.

This policy is framed in accordance with the University Grants Commission's "Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions Regulations, 2018," and came into effect through the university's notification in 2019. It applies to all students, faculty, researchers, and academic staff within the university.

The policy defines key terms like academic integrity, which refers to intellectual honesty in research and academic work, and plagiarism, which is the unethical practice of presenting someone else's work or

ideas as one's own. It also outlines the concept of common knowledge, which does not require attribution, and clearly classifies who is considered an author, researcher, or contributor within the academic ecosystem.

To enforce the policy, the university has established two-tier mechanisms:

- School Level Academic Integrity Panel (SLAIP): This panel addresses initial allegations of plagiarism within departments or schools.
- University Level Academic Integrity Panel (ULAIP): This central body reviews cases forwarded by SLAIP, determines penalties, and handles exceptional cases that require institutional-level investigation.

The policy mandates that any academic or research work—whether a thesis, dissertation, research article, book chapter, or other scholarly submissions—must be the original work of the author. It holds researchers accountable for ensuring that their submissions do not contain plagiarized material. The document also stresses the importance of respecting intellectual property and encourages researchers to contribute ethically to the body of knowledge.

Overall, this ethical policy strengthens the research culture at the university by deterring misconduct, safeguarding originality, and maintaining the integrity of academic contributions. Through its implementation, the university reinforces its commitment to nurturing a responsible and transparent academic environment.

2.5 FDP / Workshop / Seminar / Conference (Research Promotion Facilities)

Dr. C.V. Raman University, Khandwa, under its Research Promotion Facilities, places significant emphasis on Faculty Development Programs (FDPs), workshops, seminars, and conferences as vital tools to foster a vibrant research culture. These platforms serve as enablers for capacity building, continuous learning, and academic exchange among faculty members, researchers, and students. Through these

programs, the university encourages interdisciplinary dialogue, critical thinking, and innovative approaches to address real-world challenges.

FDPs are regularly organized to enhance research skills, acquaint faculty with emerging trends, methodologies, funding opportunities, research ethics, and intellectual property rights. Workshops focus on hands-on training in areas like scientific writing, data analysis, patent filing, technology transfer, and the use of research software and digital tools. The seminars bring subject experts and policy influencers together to discuss contemporary issues, research needs, and knowledge gaps, while national and international conferences offer a broader platform for showcasing research outcomes, forging collaborations, and aligning research with global standards.

These initiatives are aligned with the university's mission of promoting “Research Into Use,” ensuring that research not only remains confined to academic journals but also contributes to social transformation. Special attention is given to themes related to the Indian Knowledge System, sustainable development, tribal livelihood, rural innovation, and participatory research. Overall, the structured organization of FDPs, workshops, and academic gatherings plays a key role in empowering the academic community to engage in meaningful and impactful research.

2.6 Innovers, Navonmesh & SIH (Internal Smart India Hackathon & Navonmesh)

Dr. C.V. Raman University, Khandwa actively promotes research and innovation through flagship programs like Innovers, Smart India Hackathon (SIH), and Raman Navonmesh, which serve as incubators for ideas, creativity, and practical problem-solving. These initiatives are key components of the university's Research Promotion Facilities and reflect its commitment to "Research Into Use" — ensuring research leads to real-world applications and societal benefit.

Innovers is an internal innovation competition where students and faculty present original ideas, prototypes, or process improvements

across disciplines. It fosters a spirit of inquiry and collaboration, encouraging young minds to address local and national challenges with scalable solutions.

Internal Smart India Hackathon (SIH) is a government-supported platform in which university teams participate by developing digital and hardware solutions for real-world problems posed by ministries, industries, and NGOs. This competition not only enhances technical and research capabilities but also strengthens the university's links with national innovation ecosystems.

Raman Navonmesh, the university's signature research and innovation contest, showcases student-led research projects aligned with sustainable development, tribal upliftment, agriculture, health, education, and rural entrepreneurship. It acts as a pre-incubation platform where selected ideas are mentored, refined, and even funded for further development.

Together, these programs enrich the research environment by motivating practical, interdisciplinary, and socially relevant innovations. They serve as stepping stones for patenting, startup incubation, and deployment in the field, ensuring that research outputs are not only innovative but also impactful and accessible to the community.



3. Broad Areas of Research

3.1 Research Output

Research Outcomes (2024–2025)

In the academic year 2024–2025, Dr. C.V. Raman University, Khandwa, made significant strides in promoting impactful research and innovation. A total of 86 research papers were published in reputed national and international journals across various disciplines, showcasing the scholarly engagement of faculty and research scholars. The university undertook 04 research projects, out of which 01 was funded by ICSSR (Government of India), reflecting the institution's national-level research credibility. Additionally, 02 projects were internally supported through AGU-CRIG (Atal Gandhi University – Centre for Research and Innovation Grant), further emphasizing institutional commitment to nurturing in-house research talent.

In the domain of academic publishing, 04 books were authored by faculty members including Dr. Seema Sharma, Dr. Sagir and Ms. Divya, Ms. Shreya Malviya, and Mr. Praveen Shukla, contributing original content to their respective fields. Furthermore, faculty members contributed to 24 book chapters, enriching academic discourse with subject-specific insights and perspectives.

Intellectual property creation was another strong outcome, with 05 patents filed. Among these, 02 are institutional patents, while individual innovations were filed by Dr. Seema Sharma (02 patents) and Ms. Megha Soni (01 patent), reflecting a growing culture of applied innovation.

In recognition of their outstanding contributions to teaching, research, and community engagement, 15 faculty members received awards, marking the university's rising academic visibility and excellence.

University Research Outputs :(2018-2025)

Total number of Research Papers- 157	Total numbers of Book Chapters- 25
Total numbers of Patent- 22	Total numbers of Research Project- 04
Total numbers of Book - 06	Total numbers of Award - 15

3.1.1. Awarded Ph.D. Faculty

Number of Ph.D faculty registered:			Number of faculty awarded: 5		
SL. No	Name of the Ph.D Scholar Faculty	Name of the research Supervisor	Thesis Title	Year of Registration	Year of Completion and Award of Ph.D
1	Ms. Seema Sharma	Dr. Manisha Bajpai	उच्चरत माध्यमिक स्तर के गणित संकाय के विद्यार्थियों की शैक्षणिक उपलब्धि पर अधिगम शैली , अध्यन्न आदत पर ऑनलाइन शिक्षण के प्रभाव का अध्यन्न (मध्य प्रदेश के खंडवा जिले के विशेष संदर्भ में)	2020	March 2024
2	Ms. Nushrat Shaikh	Dr. Ramshiya Charnkar	पंचायती राज में महिलाओं की भागीदारी एक विश्लेषणात्मक विश्लेषणात्मक अध्ययन (मध्य प्रदेश के खंडवा जिले के विशेष संदर्भ में)	2021	Jan 2025
3	Mr. Ganesh Malgaya	Dr. Shailendra Singh Kushwaha	Effect of crop residue and herbicidal weed control on crop, growth, productivity and soil health in zero-till maize-chickpea cropping system	2019	Feb 2024
4	Ms. Pooja Sharma	Dr. J. K. Sagore	Post-Colonialism Dilemma in Major Plays of Derek Walcott	2021	April 2025
5	Mohammad Sagir	Dr. Dipesh Upadhyay	कृषि के क्षेत्र में पॉली हॉउस फार्मिंग के प्रबंधन का विश्लेषणात्मक अध्ययन	2018	May 2025



S. No.	Title Of Paper	Name Of The Author's	Name Of Journal	Year Of Publication	ISSN / ISBN	Is It Listed In UGC Care List/Scopus /Web Of Science
1	Investigating Machine Learning based approaches for Stock Market Prediction	Amit Sawanni	Engineering Universe for Scientific Research and Management	September 2024	ISSN (Online): 2319-3069	Listed In UGC Care
2	पॉलीहाउस/नेट हाउस फर्मिंग एवंप्रबंधन और रोजगार की संभावनाओं का विश्लेषणात्मक अध्ययन- खण्डवा जिले के विशेष संदर्भ में	Mohammad Sagir	Vidhyawarta	Nov.2024	ISSN-23199318	Listed In UGC Care
3	व्यावसायिकशिक्षा के माध्यम से डेयरीउद्योग की प्रगति में ताल मेल को बढ़ावा देने के लिए कौशल और ज्ञान की बढ़ती महत्ता और आवश्यकता	Ms. Arpita Rajput	Naveen Shodh Sansar	Sep.2024	ISSN-2320-8767	UGC Peer Reviewed,
4	A Study on the usage of E-Payment system in E-Commerce	Ms. Divya Badole	Naveen Shodh Sansar	Sep.2024	ISSN-2320-8767	UGC Peer Reviewed,
5	Tribal Revolts And Unsung Heroes Of Madhya Pradesh's Freedom Struggle	Nikita Nagori	Journal of South Asian Research	13 December 2024	ISSN: 2583-7273	
6	समानता बयान बाजी से परे – “महिलाओं के लिए पंचायती राज में आरक्षित सीटों के प्रभाव का आकलन	नसरत आरा शेख	International Journal of Creative Research Thoughts (IJCRT	2 February 2024	ISSN: 2320-2882	
7	राजनीति और समाज में भारतीय ज्ञान के प्रभाव का आम विश्लेषण	नसरत आरा शेख	Naveen Shodh Sansar (An International Refereed/ Peer Review Research Journal)	March 2024	ISSN 2320-8767, E-ISSN 2394-3793	
8	अभिनव कल के लिए उच्च शिक्षा में तकनीक शिक्षा परिभाषित	नसरत आरा शेख	Innovations in Higher Education	june- 2024	ISBN : 978-81-971366-1-0	Listed In UGC Care
9	व्यवसायिक शिक्षा के साथ तालमेल बनाए रखने के लिए कौशल और ज्ञान को बढ़ावा	Padma Hada	BHOPAL SHODH MANJUSHAS	September 2024	ISSN : 2395-7115	UGC Peer Reviewed,

10	व्यक्तित्व विकास में संवार साधनों की भूमिका	ज्योति गौर वर्मा	sangam	अक्टूबर - 2024	ISSN : 2321-8037	Listed In UGC Care
11	Analysis Of Relationship Between Learnings Of Shrimad Bhagvad Gita And Servitude	Yogesh Mahajan	Rabindra Bharati Patrika	2024	ISSN : 0937-0037	Listed In UGC Care
12	Analysis of Relationship between skillfulness in Action and Employee Performance from Shrimad Bhagvad Gita	Yogesh Mahajan	International Journal of Research and Analytical Reviews (IJRAR)	January 2024	ISSN-23199318	Listed In UGC Care
13	कौशल विकास में युवाओं की भूमिका	Ms. Arpita Rajput	Naveen Shodh Sansar	Sep.2024	ISSN-2320-8767	UGC Peer Reviewed,
14	कौशल विकास में युवाओं की भूमिका	स्वातिपाठक, स्वातिश्रीवास	Swadeshi Research Foundation, A Monthly Journal of Multidisciplinary Research International Peer Reviewed, Refereed, Indexing & Impact Factor	Sep.2024	ISSN : 2394-3580	Listed In UGC Care
15	लैंगिक असमानता को दूर करने में शिक्षा की भूमिका	स्वातिश्रीवास	International Journal of Social Science & Management Studies (I.J.S.S.M.S.) Peer Reviewed–Refereed Research Journal, Indexing & Impact Factor	October – 2024	ISSN : 2454 – 4655	Listed In UGC Care
16	राष्ट्रीय शिक्षा नीति 2020 और भारतीय ज्ञान परंपरा का आधुनिक परिप्रेक्ष्य	डॉ. निकिता नागोरी	Swadeshi Research Foundation A Monthly Journal of Multidisciplinary Research International Peer Reviewed, Refereed, Indexing & Impact	July – 2024	ISSN : 2394-3580	UGC Peer Reviewed,
17	व्यक्ति निर्माण के आधुनिकता और परंपरा के अंतर जनित संघर्ष	वेदवती पाल	Swadeshi Research Foundation A Monthly Journal of Multidisciplinary Research International Peer Reviewed, Refereed,	July – 2024	ISSN : 2394-3580	UGC Peer Reviewed,
18	व्यक्तित्व विकास में संचार साधनों की भूमिका	ज्योति गौर वर्मा	Swadeshi Research Foundation A Monthly Journal of Multidisciplinary Research International Peer Reviewed, Refereed,	July – 2024	ISSN : 2394-3580	Listed In UGC Care

19	आधुनिक राजनीतिक समस्या के लिए सबक भगवद्गीता के नज़रिए से मूल्य	N. A. Sheikh	Swadeshi Research Foundation A Monthly Journal of Multidisciplinary Research International Peer Reviewed, Refereed, Indexing & Impact Factor	July – 2024	ISSN : 2394-3580	UGC Peer Reviewed ,
20	भारतीय ज्ञान परंपरा और राष्ट्रीयनशा नीति के अंतर्गत चरित्र निर्माण एवं व्यक्तित्व का समग्र विकास	पदमा हाडा	-	July – 2024	-	-
21	A Review on Machine Learning Assisted Handover Mechanisms for Future Generation IoT	Vaidehi Bakshi	journal of electrical systems	2024	2062-2071	Listed In UGC Care
22	Tribal Revolts And Unsung Heroes Of Madhya Pradesh's Freedom Struggle	Nikita Nagori	Journal of South Asian Research	13 December 2024	ISSN: 2583-7273	Listed In UGC Care
23	Review paper on nanomedicine: advancements in drug	Dr. Seema Sharma	The Research Journal Of Environment, Culture And Development	January-2025	ISSN 2277-2502	Listed In UGC Care
24	Advancing Sustainable Development through Academic Research: Challenges, Opportunities, and Strategies	Nikita Nagori	Journal of South Asian Research	June .. 2024	ISSN : 2349-3313	
25	राष्ट्रीय शिक्षा नीति 2020 और भारतीय ज्ञान परंपरा का आधुनिक परिप्रेक्ष्य आकलन	डॉ. निकिता नागोरी	Swadeshi Research Foundation A Monthly Journal of Multidisciplinary Research International Peer Reviewed	July – 2024	ISSN : 2394-3580	
26	Importance of Integrating Technologies into Vocational Education Programs	Deepak Kaushal	International Journal of All Research Education and Scientific Methods	February -2024	ISSN: 2455-6211	
27	Incorporation Of Global Practices In Vocational Education	Deepak Kaushal	International Journal of Creative Research Thoughts (IJCRT)	9 September 2024	ISSN: 2320-2882	Listed In UGC Care
28	ग्रामीण क्षेत्र के सामाजिक विकास में पुस्तकालयों की भूमिका	डॉ. संगीता आम्टे, रमा आहीर	International Journal of Creative Research Thoughts (IJCRT)	9 September 2024	ISSN: 2320-2882	UGC Peer Reviewed ,

29	MP-OP-24: The Impact of Climate Change on Human	Sukhdev Kumrawat	International Conference on Microbiological Research	January 2024		
30	भारतीय ज्ञान परंपरा और राष्ट्रीय शिक्षा नीति 2020 विज्ञान और प्रौद्योगिकी के विकास में एक नया दृष्टिकोण	कुमरी समीक्षा पाटीदार	भारतीय ज्ञान परंपरा के विविध संदर्भ .	2024	-	-
31	राष्ट्रीय शिक्षा नीति 2020 और भारतीय ज्ञान परंपरा का आधुनिक परिप्रेक्ष्य	Dr. Nikita Nagori	भारतीय ज्ञान परंपरा के विविध संदर्भ	2024		
32	2024 Travel Trends: Unveiling A Kaleidoscope of Specialized Journeys beyond the Horizon	Dr. Nikita Nagori	Trends in Travel and Tourism in 2024	2024	ISBN : 978-93-91199-58-6	UGC Peer Reviewed ,
33	Revolutionizing Agriculture through Information Technology: A Paradigm Shift	Prof. Swati Atre	Agri Articles (e-Magazine for Agricultural Articles)	Mar-Apr, 2024	ISSN: 2582-9882	-
34	सामाजिक या धार्मिक मान्यताएँ एवं रीतिरिवाज का वैज्ञानिक दृष्टिकोण और धर्म विज्ञान के बीच संबंध	Padma Hada	Bohal Shodh Manjusha	April 2024	ISSN : 2395-7115	-
35	व्यक्तित्व विकास में आने वाली चुनौतियाँ और समाधान	कृतिका गीते	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		
36	Effect of Nano DAP on Growth and Yield Performance of Triticum aestivum (L.) East Nimar Region, Khandwa, Madhya Pradesh, India	Mohit Tomar , Ganesh Malgaya , Sharda Dubey , Avtar Singh and Jayshree Jalsingod	International Journal of All Research Education and Scientific International Journal of Plant & Soil Science	2024	ISSN: 2320-7035	Listed In UGC Care
37	Raman spectroscopy and Structural Analysis of Poly Phenylenesulfide (PPS)	Anupama Gour	Macromolecular Symposia	May-2024		
38	Effect of Biochar Application on Performance of Rice in a Vertisol of Central India	Ganesh Malgaya	Journal of Experimental Agriculture International	2024	ISSN: 2457-0591	
39	विश्वपटल पर हिन्दी भाषा साहित्य	डॉ. संध्या दुबे	International Journal of Research and Analytical Reviews (IJRAR)	March 2024	(E-ISSN 2348-1269, P-ISSN	

40	Assessing Emotional Intelligence In Academic Settings: A Study Of	Dr. Seema Sharma	Journal of Indian School of Political Economy	Dec-2024	ISSN : 0971-0396	Listed In UGC Care
41	Assessing Emotional Intelligence In Academic Settings: A Study Of Professors At Dr. C.v. Raman University	Mr. Yogesh Mahajan	Journal of Indian School of Political Economy	Dec-2024	ISSN : 0971-0396	Listed In UGC Care
42	उच्च शिक्षा में प्रभावी ब्लेंडेड लर्निंग के लिए तकनीकी संरचना और समर्थन प्रणाली	डॉ. सीमा शर्मा	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		
43	NEP-20: Achieving Sustainable Development Goal by Integration of Vocational Training with Higher Education	Dr. Seema Sharma	रामन अनुसंधानिका	September 2024		
44	Contribution of Language InThe Indian Knowledge System	Dr. Nikita Nagori	Transforming Teacher Education With Indian Knowledge System	2025	ISBN: 978-93-6884-603-1	UGC Peer Reviewed ,
45	Assessing Emotional Intelligence In Academic Settings: A Study Of Professors At Dr. C.v. Raman University	Dr. Seema Sharma,Mr . Yogesh Mahajan	Journal of Indian School of Political Economy	December -2024	ISSN - 0971 - 0396	Listed In UGC Care
46	Gender-Based Comparison of Ennotional Intelligence in Administrative Roles:	Dr. Seema Sharma	शोध पत्रिका गुणवर्तिका	2025	SBN:978 93-8264 1-58-2	UGC Peer Reviewed ,
47	ग्रामीन पर्यटन: विकास एवं संभावनाएँ	डॉ. स्वाति पाठक	शोधधारा	2025	ISSN : 0975-3664	UGC Peer Reviewed ,
48	Solving Expandability And Controllability Problems Through Devops, Agile Methods, And Advanced Tools	Prof. Ganesh Nimje	International Research Journal of Modernization in Engineering Technology and Science	April-2025	e-ISSN: 2582-5208	Listed In UGC Care,
49	Workforce Diversity Management-a Major Challenge For Multinational And Global Companies: A Perspective From Learnings Of Shrimad Bhagvad Gita	Mr. Yogesh Mahajan	Journal of Indian School of Political Economy	December -2024	ISSN - 0971 - 0396	Listed In UGC Care,
50	Raman Spectroscopy and Structural Analysisof Polyphenylene Sulfide(PPS)	Anupama Gour	Macromolecular Symposia	2025		Listed In UGC Care

51	Gender-Based Comparison of Emotional Intelligence in Administrative Roles: Implications for Leadership and Performance at Dr. C.V. Raman University	Dr. Seema Sharma	Stree	2024	ISBN: 978-81-974194-8-5	Peer Reviewed
52	Unlocking the Potential of Indigenous Technical Knowledge Among Korku with Special Reference to Herbal Medicine	Dr. Nikita Nagori	Stree Stree	2024	ISBN: 978-81-974194-	Peer Reviewed
53	महिलाएं और खाद्य सुरक्षा के लिए अक्षय परंपरा तथा पारंपरिक और आधुनिक भारतीय दृष्टिकोन	नेहा शुक्ला	Stree	2024	ISBN: 978-81-974194-	Peer Reviewed
54	नई शिक्षा नीति को लागू करने में महिला सरपंचों की भूमिका	नु. आर. शेख	रामन अनुसंधानिकी वॉल्यूम 1	Sep-2024		Peer Reviewed
55	NEP-20: Achieving Sustainable Development Goal by Integration of Vocational Training with Higher Education	Dr. Seema Sharma	रामन अनुसंधानिकी वॉल्यूम 1	Sep-2024		Peer Reviewed
56	Enhancing Economic Growth Through Vocational Education in India	Ms. Pooja Sharma	रामन अनुसंधानिकी वॉल्यूम 1	Sep-2024		Peer Reviewed
57	An outlook on Technical and Vocational Education and Training (TVET) in Technical Education	Nitesh Kumar Mishra,	रामन अनुसंधानिकी वॉल्यूम 1	Sep-2024		UGC Peer Reviewed ,
58	Impact of Vocational English Program on Employability	Ms. Akanksha Joshi	रामन अनुसंधानिकी वॉल्यूम 1	Sep-2024		UGC Peer Reviewed ,
59	व्यक्तित्व विकास में आने वाली चुनौतियाँ और समाधान	कृतिका गीते	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewe d,
60	व्यक्तित्व विकास में पुस्तकालय और शिक्षकों की भूमिका	रमा अहीर	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewe d,
61	व्यक्तित्व विकास में शिक्षा का योगदान	देवयानी कानूनगो	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewe d,

62	व्यक्तित्व विकास के माध्यम से नेतृत्व विकास: एक अन्वेषणात्मक अध्ययन	प्रवीण शुक्ला	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
63	शिक्षा का लक्ष्य: चरित्र और व्यक्तित्व का निर्माण	श्रुति श्रीवास	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
64	श्रीमद्भगवद्गीता और मानवीय मूल्य	योगेश महाजन	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
65	स्वामी विवेकानंद : चरित्र निर्माण और व्यक्तित्व विकास के पुरोधा	मेघा सोनी	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
66	व्यक्तित्व विकास और समाज की भूमिका	हमज़ा मलिक	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
67	व्यक्तित्व विकास में शिक्षा का योगदान	देवास उइके	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
68	भौन व्यक्तित्व विकास में योगदान	पूजा भालेराव	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		UGC Peer Reviewed,
69	महर्षि पराशर के जीवन चरित्र का अध्ययन एवं कृषि क्षेत्र में व्यक्तित्व विकास पर उनका प्रभाव	श्रेया मालवीय	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		UGC Peer Reviewed,
70	ज्ञान परंपरा के परिप्रेक्ष्य में चरित्र निर्माण एवं व्यक्तित्व विकास का समग्र विकास	सुनील सोनी	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed,
71	चरित्र की नैतिकता के रूप में कांतीप नैतिकता	शारदा दुबे, गणेश	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed,
72	उच्च शिक्षा में प्रभावी ब्लेंडेड लर्निंग के लिए तकनीकी संरचना और समर्थन प्रणाली	डॉ. सीमा शर्मा	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed,
73	चरित्र निर्माण, एवं व्यक्तित्व का समग्र विकास	अभिलेश कोचले	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed,
74	युवा व्यक्तित्व विकास और चरित्र निर्माण : शिक्षको की उपेक्षित भूमिका	प्रोफ- पूजा शर्मा	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed,

75	अनुसंधान में व्यक्तिगत विकास के लिए सूचना एवं प्रौद्योगिकी की क्रांति कारी भूमिका	श्रीमती अनुपमा गौर	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
76	स्वास्थ्य संचार माध्यम और व्यक्तित्व निर्माण एक समग्र अध्ययन"	कोमल पदो	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
77	व्यक्तित्व विकास में राष्ट्रीय शिक्षा नीति एक सामान्य अध्ययन	मोहम्मद सगीर, अर्पिता	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
78	कौशल प्रशिक्षण का समग्र विकास में योगदान	डॉ. फियोना एडवर्ड्स (पी. टी)	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
79	गुरुकुल शिक्षा प्रणाली अनुभव आधारित शिक्षा है	डॉ. स्वाति पाठक	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
80	व्यक्तित्व विकास में योग के नैतिक और आध्यात्मिक पहलुओं की भूमिका	नेहा शुक्ला बाजपेयी	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed
81	सूचना प्रौद्योगिकी का युवाओं के चरित्र निर्माण और व्यक्तित्व विकास में योगदान	प्रोफेसर स्वाति अत्रे	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		UGC Peer Reviewed,
82	व्यक्ति निर्माण में आधुनिकता और परंपरा के अंतर जनित संघर्ष	प्रोफेसर वेदवती पाल	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		UGC Peer Reviewed,
83	चरित्र निर्माण एवं व्यक्तित्व का समग्र विकास	पदमा हाड़ा	भारतीय ज्ञान परंपरा राष्ट्रीय कार्यशाला 2024	2024		Peer Reviewed,
84	Ethical Business And Sustainable Economic Growth Through Indian Knowledge System	Deepak Sharma	International Journal Of Innovation In Engineering Research & Management	2025	Volume: 12, Special Issue 04,	Peer Reviewed,
85	Using Data Structures For Sensor Data Handling In Smart Farming Systems	Ms. Shruti Sriwas	International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open	2025	Volume:07/Issue:04/April-2025	UGC Peer Reviewed and Refereed Journal
86	उच्च शिक्षा में प्रभावी ब्लेंडेड लर्निंग के लिए तकनीकी संरचना और समर्थन प्रणाली	डॉ. सीमाशर्मा	Shodhaytan Arts, Education And Humanities Journal Of Rntu	December – 2024	ISSN : 2349-4190	UGC Peer Reviewed and
87	निमाड क्षेत्र के प्राचीन भूले-बिसरे मंदिर का ऐतिहासिक और सांस्कृतिक अध्ययन	देवास उइके	Shodhaytan Arts, Education And Humanities Journal Of Rntu	December– 2024	ISSN : 2349-4190	UGC Peer Reviewed and Refereed

88	Ecotourism in the Nimar region of Khandwa offers a promising avenue for sustainable development Prof.	Aayushi Laad	IJIRT Volume 11 Issue 12	May 2025	ISSN: 2349-6002	UGC Peer Reviewed and Refereed Journal
89	Ethical Business And Sustainable Economic Growth Through Indian	Mr. Deepak Sharma	International Conference On "indian Knowledge Systems: A Catalyst For	26 April 2025	ISBN No. – "978-81-19135-40-0"	UGC Peer Reviewed and Refereed Journal
90	भारतीय ज्ञान प्रणाली: सतत विकास और वैश्विक नेतृत्व के लिए उत्तर प्रेरक	Ms. Padma Hada	International Conference On "indian Knowledge Systems: A Catalyst For Sustainable Development	26 April 2025	ISBN No. – "978-81-19135-40-0"	Peer Reviewed
91	भारतीय ज्ञान प्रणाली में समानता और सशक्तिकरण	Ms. Vedwati Pal	International Conference On "indian Knowledge Systems: A Catalyst For	26 April 2025	ISBN No. – "978-81-19135-40-0"	Peer Reviewed
92	Globalizing Indian Knowledge System:	Mr. Suyash Soni	International Conference On "indian Knowledge	26 April	ISBN No. – "978-81-19135-40-0"	Peer Reviewed
93	सततनवाचार और भारतीय ज्ञान परंपरा (IKS) के संदर्भ में गणित,	Ms. Kritika Gite	International Conference On "indian Knowledge Systems: A Catalyst For	26 April 2025	ISBN No. – "978-81-19135-40-0"	Peer Reviewed
94	Ecotourism In The Nimar Region Of Khandwa Offers A Promising Avenue For	Prof. Aayushi Laad	International Journal of Innovative Research in Technology	May 2025	(ISSN 2349-6002)	UGC Peer Reviewed,
95	Calcium Oxalate-Depleted Taro Flour: A Natural Improver For PDS Flour	Dr. Seema Sharma, Mr. Sandesh	Journal Of Neonatal Surgery	2025	ISSN:-2226-0439	UGC Peer Reviewed,
96	Phytopharmaceutical Development of a Pain-Relieving Herbal Roll-On	Devyani Kanungo	International Journal Of Pharmaceutical Sciences	2025	ISSN: 0975-4725	UGC Listed
97	The Role of Spirituality in Positive Youth Development: Implications for Pharmaceutical Chemistry	Aayushi Laad	International Journal Of Pharmaceutical Sciences	2025	ISSN: 0975-4725	UGC Listed
98	Eco-Friendly Solutions for Noise and Air Pollution Mitigation Near Highways	Deepak Kaushal	International Journal Of Research And Scientific Innovation (ijrsi)	MAY-2025	ISSN No. 2321-2705	UGC Listed
99	Formulation And Statistical Evaluation of the Wound Healing Potential of An Herbal Cream	Megha Soni1, Manish Patel2, Akash Patel	International Journal Of Innovative Research In Technology Ijirt Volume 12 Issue 1	June 2025	ISSN: 2349-6002	UGC Peer Reviewed and Refereed Journal

100	“FTA vs. WTO: Implications for Cross-Border Commerce”	Dr. Varun Mahajan	International Research Journal Of Commerce, Arts And Science	[Year - 2025	ISSN 2319 – 9202	UGC Listed
101	Effectiveness of Polysulfides in Advanced Physical Applications: Emerging Trends in Allied Health Sciences	Ms. Anupama Gour	Goya Journal .	June 2025	ISSN NO: 0017-271	Scopus
102	Impact Of Gst And Other Taxes On The Dairy Business In India	Ms. Arpita Rajput	EPRA International Journal of Environmental Economics, Commerce and Educational Management Journal	June-2025	ISSN: 2348 – 814X	UGC Listed
103	A Study On Double Taxation Avoidance Agreements (dtaas) And Their Impact On Foreign Investments	Dr. Varun Mahajan	International Journal of Research and Analytical Reviews	June-2025	(E-ISSN 2348-1269, P-ISSN 2349-5138	UGC Listed
104	The Mind Behind the Machine: How Artificial Intelligence Learns from Human Intelligence	Miss Shruti Sriwas	International Journal Of Research And Scientific Innovation (ijrsi)	26 April 2025	ISSN No. 2321-2705	UGC Listed

3.1.2 Publication details

Raman Anusandhaniki is the official research and innovation journal of Dr. C.V. Raman University, Khandwa (CVRUK). It reflects the university's vision to foster a vibrant academic ecosystem driven by research, innovation, and societal impact. The publication serves as a multidisciplinary platform to document and disseminate significant research contributions from faculty, scholars, and students. Raman Anusandhaniki is the flagship research journal and innovation compendium of Dr. C.V. Raman University, Khandwa (CVRUK), dedicated to showcasing the institution's academic excellence, scholarly contributions, and commitment to nation-building through research. It serves as a dynamic platform for publishing high-quality research papers, seminar proceedings, and innovative abstracts that align with national priorities and global advancements. Raman Anusandhaniki plays a pivotal role in nurturing a culture of research excellence at CVRUK. It is not just a journal but a strategic initiative to build a knowledge-driven society and contribute meaningfully to India's development through localized, impactful, and inclusive research.

3.1.4 Awards and recognitions:

S No	Name Of The Teacher	Patent Number	Title Of The Patent	Date Of Filling Application	Date Of Award (publish / grant)	Photo
1	Dr. Reema Dewangan, Ms. Pooja Sharma , Dr. Anupama Gangrade , Dr. Pushpa Sharma, Dr. Gurpreet Kour Chhabra , Dr. Kavita Verma , Dr. Rupa Shrivastava , Dr. Shabnam Khan , Dr. Sumita Singh , Dr. Jyotsna Gadpayle , Mrs. Mamta Rani Yadu , Dr. Shalini Verma	2022210 45552 A,	An Investigative Study On The Causes And Solutions To Secondary School Students In Further Mathematics	09/08/2022	19/08/2022	
2	Dr. Ganesh Malgaya , Dr. Seema Sharma , Ms. Samiksha Patidar , Mr. Satish Patel , Mr. Mohit Tomar , Mr. Avtar Singh Tanwar	2024211 03088 A	Method For Producing Calcium Oxalate Reduced Taro Flour Using Optimized Soaking And Drying Techniques	26/12/2024	24/01/2025	
3	Sarat Kumar Kotamraju, Mukesh Soni, Korada Chinnari Sri Kavya, Gomathi S, Rajit Nair, Bhavna Bajpai, Alur Narendra Babu, Saravanan V	AU 2020102 248 A4	Method For Minimizing The Specific Absorption Values Of The Multi- Homed Hetero Geneous Wireless Devices	2020.09.15	2020.10.29	
4	Rashi Kohli, Senthilkumar S, Yogesh Kumar, Gomathi S, Mukesh Soni, Chandra Prakash Singar, Sweta Gupta. Gaurav Dhiman, Bhavna Bajpai, Rajit Nair	AU 2020102 588 A4	Packet Delay And Bandwidth Consideration For Real-Time And Non- Real-Time Applica Tions For Qos Oriented Network Selection In IEEE 802.16e Wimax Networks	2020.10.03	2020.10.03	
5	Dr. Bhavna Bajpai , Dr. Kamini Maheshwar , Dr. Pragnyashree Mishra, Dr. Sheshang Degadwala, Dr. Alka Dubey , Dr. Divakar Singh	386666- 001	Iot Based Solar Powered Agriculture Robot	20/05/2023	17/07/2023	

6	Prof. (Dr.) Vinod K. Gupta , Dr. Seema Sharma, Dr. Dharendra Kumar Shukla, Dr. Nishant Kumar Pathak, Dr. Sheshang Degadwala, Mr. Anurag Wahane	425 701- 001	Algebraic Graph Analyzer	02 JUNE 2024	03 AUG 2024	
7	Dr. Rajeev Ranjan Kumar Dr. Sushil Kumar Jamariar Mr. Deepak Kumar Singh Mr. Ajay Kumar Mrs. Seema Sharma Miss Pallavi Sahay Mr. Avinash Kumar Singh Mr. Yashwant Kumar Singh Dr. Dharmendra K. Singh	412 247- 001	Algebraic Graph Analysing Solar Powered Device	01/04/2024	16/05/2024	
8	Dr. Sushil Kumar Jamaria, Mrs. Megha Soni, Dr. Rajeev Ranjan Kumar, Mr. Ajay Kumar S., Miss Pallavi Sahay, Dr. Dinesh Singh, Dr. Dharmendra K. Singh, Mr. Yashwant Singh	403 224- 001	Math Fear Detecting Spectacle	26/12/2023	23/02/2024	
9	Ms. Pooja Sharma Address Of Dr Vandana Garg , Dr. Ronald Darwin , Dr. Rajender Kumar , Dr. Vinod Kumar Sharma , Dr. Abul Basar , Dr. Reema Dewangan , Dr.Jakkalwar S. Madhavrao , Dr.Asha Subhashrao Chopde, Mrs Aishwarya Atul Patil , Dr Murali K. Kandukuri, Dr.Anmulwad Babu Yamnaji	202 321 067 404 A	India's New Education Policy: Problems, Obstacles, And Suggestions	07/10/2023	24/11/2023	
10	Santosh Yerasuri, Vaidehi Bakshi, Ismail Keshta, Yedavalli Venkata Raghava, Rao , Sheshang Degadawala , Haewon Byeon	630 333 8	Biogas Leakage Detecting Device	13 August 2023	25 August 2023	
11	Mohit Rijhwani Lekhson Mara Soren Ankit Mishra Bhagat Sandhesh Mishra	425 696- 001	Examinee Monitoring Device With Roll Number Display	03/08/2024	20/09/2024	
12	Dr. Lishoy William Rodrigues Dr. Tejan Yawast Lakra Dr. Khan B.D.S. Dr. P.M. Deeksha	425 699- 001	Medicinal Pill 3-D Printing Device	03/08/2024	20/09/2024	
13	Prof. (Dr.) Vinod K. Gupta Dr. Seema Sharma Dr. Dharendra Kumar Ajay K. Sahu	425 701- 001	Algebraic Graph Analyzer	03/08/2024	20/09/2024	

14	Dr. Sushil Kumar Jamariar, Mrs. Megha Soni, Dr. Rajeev Ranjan Kumar, Mr. Ajay Kumar , Mr. Yashwant Singh	403 286- 001	Math Fear Detecting Spectacle	28/12/2023	23/02/2024	
15	Dr. R. Narasimhan, Shreya Malviya, Dr. Gargishankar Verma, Dr. Sumana K. , Dr. Haewon Byeon, Dr. Shikha Kumari Pandey	202 341 606 473 5	Integration Of Iot And Machine Learning Approaches For Predicting Soil Moisture And Weather With Crop Prediction To Improve Agriculture Yields	26/09/2023		
16	Vinay Nagarad Dasavandi Krishnamurthy, Ms. Swati Atre, Renato, R. Maaliv , Dr. S. Meena, Deep Chatterjee, Rrasanta Pratim Bairagi	202 221 069 879	Anovel Method For Preparing Data For Processing By Artificial Intelligence And Machine Learning Systems	04/12/2022		
17	Prof. Swati Atre, Dr. Anuradha Taluja, Samreen Rizvi, Dr. Sajda Khan Gajdhar, Dr. T. Aasif Ahmed, Shri Ganesh V. Manerkar	202 321 087 483	Blockvchain Based Secure Data Management System For Internet Of Things(Iot) Device	21/12/2023		
18	Dr. Vinod Kumar Gupta, Dr. Dharendra Kumar Shukla, Dr. Seema Sharma	641 337 2	Handheld Math Learning And Practice Device	23 December 2024	04 January 2025	
19	Akash Sudhakar Ingale	396 419- 001	Laboratory Vacuum Evaporator For Extraction Of Herbaldrug	30/09/2023	06/11/2023	
20	Akash Sudhakar Ingale	398 784- 001	Ai Based Lung Cancer Testing Device	30/10/2023	14/12/2023	
21	1. Dr. CV Raman University, Khandwa 2. Dr. Ganesh Malgaya 3. Dr. Seema Sharma 4. Ms. Samiksha Patidar 5. Mr. Satish Patel 6. Mr. Mohit Tomar 7 Mr Avtar Singh Tarnwar	202 421 103 088	Ordinary Application	26/11/2022	24/01/2025	

3.1.4 Awards and recognitions:

S No	Name Of Teacher	Date of award	Name Of The Award / Prizes And Recognitions Received	Name Of The Awarding Agency With Contact Details	Level
1	Dr. Seema Sharma	2024	Outstanding Contributions To Research Award (Patents Granted) 2024.	Agu Aspire'24 Building Excellence In Education	University
2	Ms. Anupama Gour	23/09/2023	Award For Professors With Excellence In Teaching In Higher Education	Indore Education Fest	International
3	Ms. Shriya Malviya	30/05/2024	Irtd Distinguished Young Researcher Award 2024	International Institute Of Organized Research - I2or (A Registered Msme With Ministry Of Msme, Government Of India And Green Thinkerz	University
4	Ms. Shriya Malviya	2024	Irtd Distinguished Young Researcher Award 2024	I2or India, Centre For Smart Modern Construction - Western Sydney University, Australia Jamia Hamdard - New Delhi, Spoken Tutorial Iit Bombay, Sustainable Cosmos, Mendeley & The Intelligent Indian	International
5	Ms.. Swati Atre	2023-24	Tyestha Acharya Ward	Recognizing Exemplary Contributors Of Research & Education Sectors	National
6	Dr. Seema Sharma	11/06/2024	Best Research Paper Award	Economic Development, Environment & Sustainable Development	International

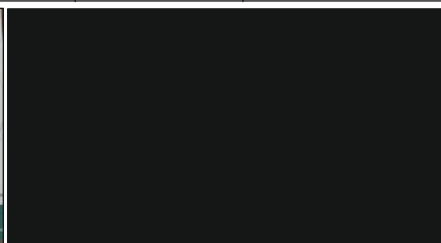
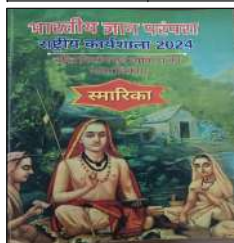
3.1.4 Awards and recognitions:

7	Ms. Swati Atre	29-05-2023	Young Researcher Award 2023	Insc	National
8	Ms. Swati Atre	07-08-2023	Best Academic Professional Award 2023	Cvruk	University
9	Ms. Swati Atre	2023-24	Bhart Education Excellence Awards (Jyeshtha Acharya Award Of Recognition)	Brain O Vision	National
10	Dr. Seema Sharma	2025	"Escalating Methanisation In Old Conventional Biogas Units And Developing The Supply Chain Of Kamdhenu Natural Gas	Rntua	International
11	Dr. Nikita Nagori	25/02/2023	Excellence In Research Project Wrk During The Year 2029	Agu Gaurava Wards	Universlties
12	Mr. Ganesh Malgaya	2024	Outstanding Contrubutions To Research Award (Research Paper Publish) 2024	Agu Aspire Building Excellence In Education	Universities
13	Mr. Ganesh Malgaya	22/09/2022	Certificate Of Best Poster Awar	Landscape Management For Preventing Flood And Reservoir Sedimentation (Lmpfrs-2022)	National
14	Dr. Ganesh Malgaya	2024	Centre Of Excellence Distinction Award 2024	Agu Aspire Building Excellence In Education	Universities
15	Ms. Pooja Sharma	30/05/2024	Irsd Academic Excellence Award 2024	New Delhi, Organized By International Institute Of Organized Research	International
16	Ms. Pooja Sharma	28/02/2024	I2or National Research Excellence Award 2024	International Institute Of Organized Research (I2or) India	International
17	Ms. Swati Atre	16/03/2024	Certificate Of Participation One-Day Seminar On Quality Enhancement Initiatives To Achieve Excellence	Internal Quality Assurance Cell (Iqac), Rabindranath Tagore	University

3.1.5 Book chapter:

Name Of The Teacher	Title Of The Book/Chapters Published	National / International	ISBN/ISSN Number Of The Proceeding	Topic
Ms. Anupama Gour	Home Country Ecology: Problems And Solutions	International	ISBN 978-5-98228-279-8	Environmental Implications Of Polysulfides Production And Consumption Waste: A Comprehensive Review
Ms. Bhavna Rajput	Naveen Shodh Sansar	International	ISSN-2320-8767	Assessment Of Herbicidal /Weedicidal Property Of Nigar
Ms. Shreya Malviya	Application Of Herbicide To Manage Weed Flora In Blackgram	International	ISBN: 978-81-966927-1-1	Application Of Herbicide To Manage Weed Flora In Blackgram
Dr. Seema Sharma	Home Country Ecology: Problems And Solutions	International		Dynamics Of Change: Assessing India's Landscape In 2024
Dr. Seema Sharma	उच्चतर माध्यमिक स्तर के विद्यार्थियों की ऑनलाइन शिक्षा के दौरान अधिगम शैली का तुलनात्मक अध्ययन	International		शिक्षा में स्वायत्तता और राष्ट्रीय शिक्षा नीति-2020 चुनौतियां और समाधान
Dr. Seema Sharma	राष्ट्रीय शिक्षा नीति -2020 से जुड़ी चुनौतियां और समाधान	International	Certificate Of Best Poster Awar	Landscape Management For Preventing Flood And Reservoir Sedimentation (Lmpfrs-2022)
Ms. Pooja Sharma	Trends In Interdisciplinary Research Volume Ii	National	ISBN:978-93-88901-55-0	Interdisciplinary Trends In Higher Education-Need And Importance
Dr. Seema Sharma	Educreator Research Journal Peer Review Ed Referred Journal	National	ISSN: P-2455-0515	Effectiveness Of Pedagogical Change In The Learning Style Of The Inclusive Classroom
Dr. Swati Pathak	Shodh Navneet	International	ISSN: 2321-6581	लोक संस्कृति और लोक पर्व
Ms. Vedvati Pal	Shodh Navneet	International	ISSN: 2321-6581	लोक संस्कृति और लोक पर्व
Ms. Nushrat Shaikh	Emerging Trends And Opportunities In The Field Of Commerce And Humanities	National	ISBN - 987-81-950893-5-2	मध्य प्रदेश के पुरातात्विक स्थलों का छय व संरक्षण

Dr. Seema Sharma	Recent Research In Science, Engineering & Technology	National	ISBN: 978-81-19820-72-6	Statistical Decision Making
Mr. Krishnakant Soni	Iip Series, Volume 3, Book 8, Part 9, Chapter 2 Iot Communication Technologies		ISBN: 978-93-6252-960-2	Iot Communication Technologies
Ms. Swati Atre	Iip Series, Volume 3, Book 8, Part 9, Chapter 2 Iot And Artificial Intelligence		ISBN: 978-93-6252-960-2	Iot And Artificial Intelligence
Ms. Vaidehi Bakshi	Iip Series, Volume 3, Book 8, Part 9, Chapter 3 Iot Embedded Systems, Sensors & Actuators		ISBN: 978-93-6252-960-2	Iot Embedded Systems, Sensors & Actuators
Dr. Nikita Nagori	Trends In Travel And Tourism In 2024	National	ISBN : 978-93-91199-58-6	2024 Travel Trends: Unveiling A Kaleidoscope Of Specialized Journeys Beyond The Horizon
Dr. Nikita Nagori	भारतीय ज्ञान परंपरा के विविध संदर्भ	National		राष्ट्रीय शिक्षा नीति 2020 और भारतीय ज्ञान परंपरा का आधुनिक परिप्रेक्ष्य
Ms. Nushrat Shaikh	Shodh Shikhar Advancement In Social Science Research Through Sustainable Development Goals Vol-Iii	National	ISBN : 978-81-19772-81-0	भारतीय संविधान निर्माण प्रक्रिया में शामिल महिलाओं का परिचय
Ms. Samiksha Patidar	भारतीय ज्ञान परंपरा के विविध संदर्भ	National		भारतीय ज्ञान परंपरा और राष्ट्रीय शिक्षा नीति 2020: विज्ञान और प्रौद्योगिकी के विकास में एक नया दृष्टिकोण
Mr. Sandesh Kumar Daftari	Home country Ecology: Problems And Solutions	International	ISBN 978-5-98228-279-8	Eco-Friendly Pest Control Methods: Pharmaceutical Innovation For Sustainable Agriculture In India. Harnessing Science For Greener Farms And Healthier Ecosystems



3.1.6 Book:

Department	Name Of The Faculty	Title Of the Book/Chapters Published	National / International	ISBN/ISSN Number Of The Proceeding
School Of Management	Praveen Shukla	Indra Publishing House Creative Team (Your Self-Help Guide to Setup a Successful Business)	National	ISBN: 978-93-93577-70-2
Agricultural	Shreya Malviya	Sustainable Modern Agriculture Practices	International	ISBN 978-93-6132-630-1
Department Of Reasarch and Innovation	Dr. Seema Sharma	Mathematical Wonders ofIndia: Antiquity toInnovation	National	ISBN: 978-81-19820-12-2
Computer Science Application Department	Dr. Bhavna Bajpai	Artificial Intelligence in Bioinformatics: Enhancing Analysis	International	ISBN-13: 978-81-973915-6-9
Commerce	Mr. Mohd. Sagir, Ms. Divya Badole	Multiple Choice Questions (MCQ) Exam Book COMMERCE	National	-

3.1.7 Fostering a Culture of Research and Innovation at CVRUK

Dr. C.V. Raman University, Khandwa (CVRUK), is committed to advancing internal research by offering robust support in the form of infrastructure, funding, and academic resources for both faculty and students.

Key Initiatives and Contributions:

- **Dedicated Research & Innovation Centres:** CVRUK has established specialized in-house R&D and innovation labs that facilitate faculty- and student-led research initiatives.
- **University-Sponsored Research Grants:** The university provides internal funding opportunities to support independent research addressing pressing national and global issues.
- **Capacity Building Programs:** Regular workshops, seminars, and training sessions are conducted to strengthen research skills and foster a culture of academic inquiry.
- **Support for Publications and Intellectual Property:** CVRUK actively encourages researchers to publish in reputed journals and extends guidance for filing patents on novel and impactful ideas.
- **Technology-Enabled Research Solutions:** Emphasizing real-

world applicability, the university integrates cutting-edge technologies such as Artificial Intelligence (AI), Internet of Things (IoT), and sustainable innovations into research projects.

3.1.7.1 Internal Research Projects

1. Novel approach to decrease calcium oxalate in Taro (*Colocasia esculenta* L.) flour processing as intermediary product.

Dr. Ganesh Malgaya, ,Dr. Seema Sharma, , Ms. Sameeksha Patidar,
Mr. Satish Patel, Mr. Mohit Tomar, Mr. Avtar Singh Tanwar, Ms.
Jayshri Jalsingod

To invent the procedure of flour making from taro roots and invent systematic process of quantitative estimation of calcium oxalate by titration method in taro flour. Arbi is called Taro Root or *Colocasia* in English. *Colocasia esculenta*(L.) Schott commonly known as taro is an emergent, semi-perennial, aquatic, and semi-aquatic stem-less herbaceous plant cultivated for its starchy corms. To reduce the anti-nutritional factors of taro corm chips such as soluble oxalate and phytic acid, it should be soaked in calcium salts solutions. The presence of oxalates in food is considered harmful to health because of the negative effects it has on the consumer intake. Soluble oxalates bind with minerals such as K^+ , and Na^+ rendering them unabsorbed through the intestinal wall into the bloodstream. The safe limit to the consumption of calcium oxalate for adults was 0.60-1.25 g per day for 6 consecutive weeks. Oxalate is a natural compound found in a variety of plant foods. There are two forms of oxalate in plants which are soluble and insoluble. In soluble form, oxalate is often found as a sodium salt. Soluble oxalate can be absorbed directly from food.





2. Escalating methanization in old conventional biogas units and developing the supply chain of Kamdhenu Natural Gas.

Dr. Seema Sharma, Mr. Shivam Engla, Mr. Sandesh Daftari , Ms. Pooja Bhalerao

This study explores the controlled utilization of invasive plant species, *Ipomoea carnea* (Besharam) and *Parthenium hysterophorus* (Gajar Ghas), combined with cow dung to enhance biogas production, aiming to create a sustainable energy solution for rural areas. The primary objective is to improve the methanization process, increase biogas production efficiency, and develop a portable biogas storage system. The results indicate that mixing *Ipomoea carnea* (Besharam) paste with cow dung significantly boosts gas production, with gas availability rising by 200% over 12 to 20 hours. Additionally, the gas pressure increased, and the flame color changed, highlighting enhanced methanization. Incorporating *Parthenium hysterophorus* paste, which accelerates waste decomposition, further improved biogas yield by speeding up the decomposition process by two-fold. The study examined four cases with varying proportions of paste and cow dung: Case A (75% cow dung, 25% *Ipomoea carnea* (Besharam) paste), Case B (50% cow dung, 50% *Ipomoea carnea* (Besharam) paste), Case C (25% cow dung, 75% *Ipomoea carnea* (Besharam) paste), and Case D (50% cow dung, 25% *Ipomoea carnea* (Besharam) paste, 25% *Parthenium hysterophorus* (Gajar Ghas), paste). Among these, Case D showed the highest efficiency, reflecting the combined benefits of both *Ipomoea carnea* (Besharam) and *Parthenium hysterophorus* (Gajar Ghas). These findings suggest that these

invasive species can be used in a controlled manner to produce sustainable, eco-friendly biogas, reducing dependence on cow dung. Additionally, the study innovated a portable biogas storage system using a vehicle tire tube, which allowed the biogas to be transported and used efficiently for cooking and heating. The tire tube was coated with fireproof paint to prevent damage from heat. This solution provides a cost-effective, sustainable energy alternative for rural communities. Overall, this research demonstrates the potential for using invasive plant species to address both energy needs and waste management, while further studies are required to optimize large-scale production and assess the economic feasibility of this approach.



3. Calcium Oxalate-Depleted Taro Flour: A Natural Improver for PDS Flour

Dr. Seema Sharma, Mr. Sandesh Daftari, Ms. Komal Padme, Ms. Megha Soni, Ms. Divyani Kanungo, Ms. Aayushi Laad

This research explores the enhancement of flour quality and nutraceutical value by incorporating taro flour into Public Distribution System (PDS) wheat flour. The study examines the impact of taro flour at varying concentrations (0%, 10%, and 20%) on physical properties, nutritional composition, and consumer acceptability. A combination of laboratory analysis and user feedback was used to assess parameters such as texture, color, taste, and pasting properties. Qualitative testing confirmed the presence of essential macronutrients, including carbohydrates and proteins, through Molisch's and Xanthoproteic tests. Further quantitative nutritional analysis was conducted to evaluate moisture content, ash value, crude fat, and protein percentage. The findings suggest that taro flour fortification improves the nutritional profile of wheat flour without compromising its sensory qualities. The study aims to optimize the formulation for large-scale application, ensuring a nutritionally enriched and cost-effective food product. Future research will explore the stability, economic feasibility, and broader applications of taro flour in various food formulations.



4. Concept Note on Arbi (*Colocasia esculenta*) waste used as an alternative raw material for handmade papermaking.

Mr. Satish Patel, Dr. Ganesh Malgaya

Paper is a crucial component of society. Globally, approximately 195 million metric tons of pulp for paper is produced annually, with a significant portion derived from wood pulp. The escalating demand for paper, coupled with limited wood resources in India, presents significant challenges. India's paper industry ranks among the largest globally, accounting for about 5% of the world paper production. On average, producing one ton of paper requires between 1.5 to 2.5 of wood, leading to the felling of numerous trees. The exact number of trees needed varies based on species and size.



3.1.8 Major Research Facility at CVRUK

Digital pH Meter	Hot Air Oven
Weighing Balance (Digital/Analytical)	Microwave
Hot Plate	Baking Oven
Spectrophotometer	Muffle Furnace
Centrifuge	BOD Incubator / Deluxe Automatic BOD Incubator
Magnetic Stirrer	Vertical Deep Freezer
Distillation Unit	Seed Germinator
COD Digestion Apparatus	Plant Growth Chamber
Soxhlet Apparatus	Bacteriological Incubator
Moisture Balance	Auto Clave
Microscope	Volumetric Flask (All Sizes)
Binocular Microscope	Conical Flask (e.g., 250 ml)
Dissecting Microscope	Measuring Cylinder (All Sizes)
USB Microscope Camera	Handled Bulb Planter
Camera Luciala Mirror	Heavy Duty Manual Weeder
Insect Collection Net	Garden Cutter / Pruning Shear / Secateurs
Light Traps	Tree Pruning Saw

3.1.9 Raman Incubation Centre (RIC)

Raman Incubation Centre (RIC) for Food Processing was established under the auspices of Dr. C.V. Raman University, Khandwa in the year 2023-2024. The Centre was created with the aim to provide a platform for entrepreneurs and innovators working in the food processing industry, especially in the region of Madhya Pradesh. With the growing demand for food processing technologies and innovations, RIC was set up to support food-related start ups by providing access to infrastructure, mentoring, and a conducive environment for business growth.

The incubation Centre is an integral part of Dr. C.V. Raman University's commitment to fostering innovation, entrepreneurship, and skill development, particularly in sectors like food processing, which has significant potential in India's growing economy. The Centre not only helps to improve food quality and safety but also addresses issues related to farm waste, sustainability, and processing techniques



3.1.10 HAPPY Harda

Mission Happy Harda, which embodies the concept of public participation, local planning, local institution development and local leadership development, is definitely a strong initiative towards realizing the vision of Samarth Bharat, Aatmanirbhar Bharat.

In the journey from business to development in rural areas, to fulfill the objective of nation building through agriculture and rural development, by strengthening the economic, social, cultural, environmental systems of the village society and competent institutional development, better arrangements of health, education, technical and skill development are to be ensured for all sections of the society, especially the youth and children, to face the challenges of the future, so that a district, state and a strong nation are built. We act as a ray of knowledge and inspiration for ambitious farmers and entrepreneurs. By sharing our expertise, experience and new perspectives, we have not only enriched the academic and literary world, but have also had a lasting impact on the lives of countless people associated with the agricultural industry. The activities to be done under this are done jointly by Raman Regional Resource Center Harda and Civil Society. Civil Society is a group of self-motivated experienced members of Harda who have expertise in various subjects and voluntarily do guidance work on various subjects. This is the largest inter actual property.



Student Research

RAWE (Rural Agricultural Work Experience)

The Rural Agricultural Work Experience (RAWE) program is a curriculum component for undergraduate students in agriculture and related disciplines. It helps students gain experience in rural areas, learn about agricultural technologies, and work with farmers. Dr. C.V. Raman. University Khandwa started Rural Agricultural Work Experience (RAWE) in Harda through Raman Regional Resource Center in Harda with the aim of developing the ability and skills of the students studying in agricultural science as well as to instil self-confidence.

Started in August 2024 by 47 students, in this, the students were taught the field action plan, watershed management plan, entrepreneurship development program along with the work being done in the field by the farmers and agricultural scientists.

The students worked on sustainable pest management, sustainable disease management, sustainable nutrient management as well as the use of agricultural field homeopathy as well as natural mulching and are working on increasing organic matter in the soil to increase farm fertility.



Bamboo Solar Wheelchair from Dr. C.V. Raman University Wins 2nd Place at RNTU Research Summit 2024

In a proud achievement for Dr. C.V. Raman University, Khandwa, the innovative student project titled “Bamboo-Based Solar-Powered Wheelchair”, designed by Jay Suryavanshi and Hammar Singh, earned the 2nd prize at the prestigious RNTU ShodhShikhar 2024 – International Research and Innovation Conference held at Rabindranath Tagore University, Bhopal.

Crafted from sustainable bamboo materials and powered by solar energy, the project was recognized for its innovation, affordability, and practical application in rural areas. The students' idea was especially appreciated for supporting the divyang (specially-abled) community, aligning with national goals like Atmanirbhar Bharat and Green Innovation.

The wheelchair, which functions using solar power and features an eco-friendly bamboo frame, stood out for its unique combination of traditional material with modern technology. This recognition highlights the innovation culture and real-world problem-solving skills nurtured at Dr. C.V. Raman University.

The achievement was also featured in the media, bringing honor to the students, faculty mentors, and the institution as a whole.



- Dr. C.V. Raman University, Khandwa, has made a significant mark at the national level by securing six prestigious awards in research and innovation at the Research-Shikhar 2025 conference held at Rabindranath Tagore University, Bhopal. With participation from 375 leading institutions across India, the conference featured 300 research papers, 60 student projects, and 25 industry innovations. Representing the Nimad region, the university's delegation included 18 students and 7 faculty members led by Research Coordinator Mr. Sandesh Daftari. Their collective efforts resulted in outstanding recognition. Dr. Seema Sharma and Ayush Raut received the Platinum Award for their impactful research paper, while another Platinum Award was earned by Dr. Seema Sharma and Ms. Pooja Bhalerao. Mr. Sandesh Daftari, and their team for the Kamdhenu Natural Gas Project, focusing on sustainable energy solutions. Dr. Swati Pathak was honored with the Gold Award for her academic contribution. The Silver Award went to the collaborative PDS Powder Project team including Dr. Seema Sharma, Mr. Sandesh Daftari, Komal Padam, Megha Soni, Devyani Kanoongo, and Ayushi Lad. These achievements underscore the university's growing prominence in the field of research and its commitment to socially relevant innovation. The recognition at a national platform highlights the academic strength and innovation culture cultivated at Dr. C.V. Raman University. This accomplishment not only enhances the reputation of the university but also reinforces the Nimad region's emergence as a center of academic excellence and research-driven progress.



- Mr. Atul Patil has been honored for his outstanding contribution to educational filmmaking at the prestigious 2nd ISCA International Film Festival (IFF-2025), held on 8th and 9th May 2025 at the Govt. Post Graduate College, Gopeshwar, Uttarakhand, in collaboration with the International Science Community Association. His film titled "The Paradigm Shift – Bringing Research into Use" was awarded *Best Film in the Educational Film Category*, recognizing its impactful narrative and innovative approach in translating complex research into accessible and practical knowledge. This achievement reflects Mr. Patil's dedication to promoting scientific awareness and educational outreach through visual media, marking a significant milestone in his creative and academic journey.



Conclusion

Dr. C.V. Raman University, Khandwa (CVRUK) is committed to fostering a dynamic environment that encourages excellence in both teaching and research. A substantial portion of our academic curriculum, especially at the postgraduate level, integrates field projects, internships, and multidisciplinary research-based dissertations. These elements are carefully designed to broaden student perspectives and immerse them in real-world socio-economic and cultural challenges through Social Immersion Projects and Participatory Action Research.

To strengthen the research ecosystem, the university has implemented a comprehensive Research Promotion Policy aimed at cultivating a research-oriented mindset among faculty and students. The policy is supported by a Seed Fund Scheme and a robust Code of Ethics Policy, ensuring academic integrity and protecting against unethical practices such as plagiarism.

Faculty members receive financial assistance to attend national and international conferences, participate in capacity-building programs, and undertake minor research projects. In pursuit of interdisciplinary and applied research, CVRUK has established Memorandums of Understanding (MoUs) with various reputed national and international academic institutions, industries, and research organizations.

The university's central library offers access to a vast collection of academic resources including e-books, e-journals, online databases such as J-Gate, CMIE, ProQuest, Manupatra, and SCC Online. To facilitate advanced data analysis and research, CVRUK provides access to SPSS, VOS Viewer, and qualitative research tools. Software such as Turnitin and Urkund has been procured to ensure ethical research practices.

CVRUK's research output has demonstrated a positive trajectory over recent years, reflecting the institution's strong emphasis on quality scholarship and knowledge dissemination.

The background is a dark blue grid with various white line-art icons and chemical formulas. Icons include a microscope, DNA helix, lightbulb, flask, test tube, globe, brain, magnifying glass, and molecular structures. Chemical formulas include H_2O , CH_3 , H_2SO_4 , H_2 , O_2 , and CH_4 .

RAMAN RESEARCH COMPENDIUM

Research in 2024-25