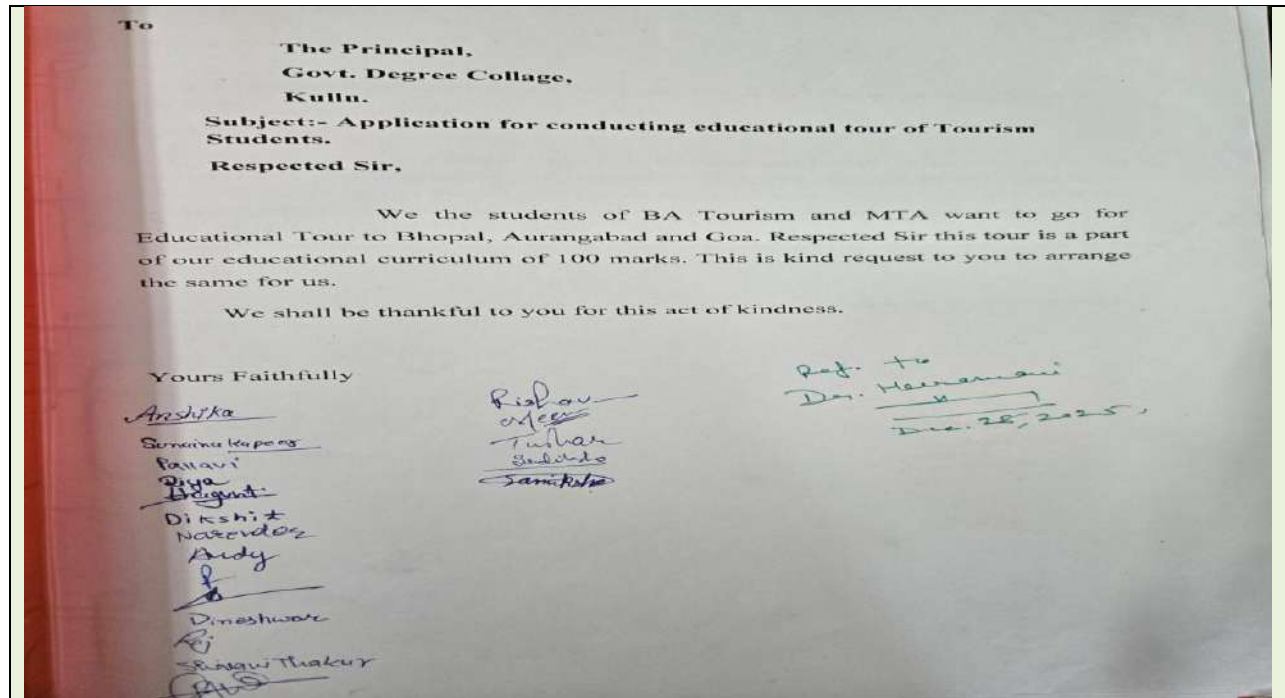


Self-Assessment Report (SAR) for Annual Internal Ranking (AIR) of the Government Colleges of Himachal Pradesh for the Academic Session 2024-25

Criterion 1- Teaching Learning

1.2 Curriculum Planning and Implementation
1.2.3 Curriculum Enrichment Practices, e.g., Projects, Surveys, Educational Tours and Industry Visits
Educational Tour





(SURVEY) Students of MTTM, are participating in Leadership Development camp at Great Himalayan National Park



CONFERENCES/WORKSHOPS/INVITED TALKS



Govt. College Kullu(H.P.) College Activity

Sr. No.	Particular	Remarks
1	Date	September 16-20, 2024
2	Name of the Activity	A Five -Day National Mathematics Workshop on Emerging Areas in Differential Equations: Theory, Modelling, Discretization & Numerical Solvers
3	Name of Department Organizing the Activity	Department of Mathematics
4	Name of Sponsoring Agency	Science and Engineering Research Board (SERB) and Council of Scientific and Industrial Research (CSIR)
5	No. of Participants	43
6	No. of Teachers	15
7	Brief Report	<p>The Five Day National Mathematics Workshop, held from September 16-20, 2024 at Govt. College Kullu, successfully concluded with over 60 participants from across India. The workshop featured 20 lectures by renowned experts in mathematical modeling, differential equations, and numerical methods.</p> <p>Eminent speakers included Dr. Kapil Kumar Sharma from South Asian University, Dr. R Sivaraj from NIT Jalandhar, Dr. Rashmi Bhardwaj from GGSIU, Prof. S. Sivaji Ganesh from IIT Bombay, Dr. Paramjeet Singh from TIET Patiala, and Dr. Ravinder Singh from NIT Jalandhar. Key topics covered included Mathematical Modelling in Real World Applications, Cauchy Problem for First Order PDE, and Numerical Methods for Linear and Nonlinear ODEs and PDEs.</p> <p>The workshop achieved its objectives, enhancing participants' understanding of mathematical modeling and differential equations, and exposing them to numerical methods and computational techniques. The event also fostered collaborations among participants and experts.</p> <p>The workshop also benefits our students by enhancing their understanding of differential equations and applications, exposing them to emerging areas in mathematics, and providing interaction with renowned experts. This workshop develops problem-solving, critical thinking, and analytical skills, improving career prospects in research, academia, and industry.</p> <p>The workshop was generously sponsored by the Science and Engineering Research Board (SERB) and the Council of Scientific and Industrial Research (CSIR). The organizing committee, led by Convener Dr. Santosh Kumar, extends gratitude to SERB, CSIR, and the speakers for their contributions.</p> <div style="display: flex; justify-content: space-around;">   </div>



गणित की बारीकियां सीख रहे देशभर के 41 प्रतिभागी



कुल्लू महाविद्यालय में चल रही गणित कार्यशाला। - संवाद

संवाद न्यूज एजेंसी

कुल्लू में राष्ट्रीय गणित कार्यशाला का आयोजन किया जा रहा है। महाविद्यालय में गणित विषय पर इस तरह की पहली कार्यशाला चल रही है। इसमें देशभर के 41 प्रतिभागी गणित की बारीकियों को सीख रहे हैं।

बाड़ी, कार्यशाला में देशभर के विभिन्न विश्वविद्यालयों और एनआईटी के डॉक्टर और प्रोफेसर प्रतिभागियों को गणित के सिद्धांत, मॉडलिंग, विवेक और संख्यात्मक समाधान पर अपना व्याख्यान दे रहे हैं। इसके अलावा अभ्यास सत्र में प्रतिभागियों से गणित की विभिन्न गतिविधियों के माध्यम से विषय की रोचकता और संरचना से अवगत कराया रहे हैं।

कुल्लू कालिज में गणित विभाग की ओर से अंतर समीकरणों पर पांच दिवसीय राष्ट्रीय गणित कार्यशाला का आयोजन किया जा रहा है। कार्यशाला में साउथ एशिया विश्वविद्यालय से प्रो. कपिल कुमार शर्मा, एनआईटी जालंधर के डॉ.

कुल्लू कॉलेज में गणित पर
राष्ट्रीय कार्यशाला आयोजित

आर शिवराज ने अपना ज्ञाख्यान दिया। गुरु गोविंद सिंह शिवबिद्यालय नई दिल्ली के प्रो. रमेश भारद्वाज ने स्थल लाइफ के गणित के संबंध को दर्शाया। आईआईटी मुंबई के प्रो. एस शिवाजी गणेश ने प्रॉब्लम्स फॉर क्लास लीनियर इक्वेशन पर जलज्वर दिया।

प्रतीत्य दिया।
 श्री. कपिल कुमार शर्मा ने
 डिफरेंशियल इन्वेस्टमेंट के बारे में
 डिफरेंशियल को जानकारी दी। वहीं,
 कार्यपालक के सचिवक डॉ. संतोष
 कुमार ने डिफरेंशियल डिफरेंशियल में
 लिब्रिनि एप्लीकेशन के बारे में
 बताया। महाविद्यालय कुलपति
 के प्राचार्य डॉ. मन्दीप शर्मा ने कहा कि
 राष्ट्रीय कार्यपालक में जिला, प्रदेश व
 देश के प्रतिभागी गणित की
 कार्यपालक से जागरूक होंगे। इस
 दौरान उपप्राचार्य डॉ. बृजलाला, श्री.
 सोम कृष्ण, श्री. जयप्रकाश, श्री.
 सपना वर्मा, श्री. पूजा सोहर, श्री.
 निरखल शर्मा, डॉ. हीतमणि आदि
 उपस्थित रहे।

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Organizer



Principal
Govt. College Kullu (H.P)



International Conference on Pure and Applied Mathematical Science (Offline Mode)

December 03-04, 2024

Department of Mathematics, Govt. College Kullu, Himachal Pradesh, India



About the Conference

The International Conference on Pure and Applied Mathematical Science (ICPAMS 2024) is a premier gathering of minds in the realm of pure and applied Mathematical science. This conference aims to provide a platform for researchers, academicians, and industry experts to share knowledge, exchange ideas, and collaborate on innovative solutions to global challenges. The conference will feature:

- Keynote lectures by renowned experts
- Technical sessions on cutting-edge topics in pure and applied sciences
- Poster presentations showcasing innovative research
- Panel discussions and debates on contemporary issues
- Collaborative networking opportunities with global experts

ICPAMS 2024 is an ideal platform for:

- Researchers to present their findings and get feedback from peers
- Academics to learn about recent advancements and network with colleagues
- Industry experts to explore innovative solutions and collaborate with researchers
- Students to learn from experts and showcase their research projects

Scientific Tracks

The Conference has following tracks

- Pure Mathematics
- Applied Mathematics
- Interdisciplinary Mathematics

Including, but not limited to:

Algebra, Analysis, Geometry, Mathematical Physics, Computational Mathematics, Mathematical Biology, Financial Mathematics, Operations Research, Data Science, Machine Learning, Artificial Intelligence, Statistical Inference, Probability Theory, Time Series Analysis, Biostatistics, Bayesian Statistics, Mathematics Education, Outreach, History, and Philosophy of Mathematics.

About the Institute

Government College Kullu is one of the oldest and finest educational institution of Himachal Pradesh, providing a steady source of highly skilled talent to the state, nation and abroad. The glorious journey of the college began five decades ago in the year 1967 with 57 students and presently the institution has more than 5000 strength. It is located on the banks of the Beas River. Our alumni have stood out in varied fields such as business and industry, administrative and regulatory services, research and education, social and human rights organizations

Speakers Tentative

Dr. Ajay Kumar, BRNS, Mumbai, India
Prof. Mohan Kadalbajoo, IIT Kanpur, India
Prof. Srinivasa Rao Manam, IIT Madras, Chennai, India
Prof. Kapil Kumar Sharma, SAU, New Delhi, India
Prof. Manoj Kumar Yadav, HRI, Prayagraj, India
Prof. TVS Sekhar, IIT Bhubaneswar, India

Dr. Paramjeet Singh, TIET Patiala, India
Dr. Surinder Pal Singh Kainth, Panjab University, Chandigarh, India
Dr. M. Seenivasan, Annamalai University, Tamilnadu, India
Dr. Syed Abbas, IIT Mandi, HP, India
Dr. R. Sivaraj, NIT Jalandhar, Punjab, India
Dr. R. Senthamarai, SRM Institute of Science and Technology, Kattankulathur, Tamilnadu, India.
Prof. R. Panneer Selvam, University of Arkansas, USA
Dr. Santo Banerjee, Politecnico di Torino, Italy
Dr. Mani Sankar, UTAS, Ibri, Oman
Dr. Sreedhara Rao G, UWI, Trinidad and Tobago
Dr. Nagarani Ponakala, The Uni. of the West Indies, Jamaica
Dr. Victor Job, The University of the West Indies, Jamaica
Dr. Hesham Nabil, Al-Azhar University, Egypt.

Organizing Committee

Chief Patron

Dr. Mandeep Sharma, Principal, Govt. College Kullu, HP, India

Convener

Dr. Santosh Kumar, Govt. College Kullu, HP, India

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- Dr. Man Singh Rana, Govt. College Kullu
- Prof. Jai Prakash, Govt. College Kullu
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- Dr. Sohan, Govt. College Kullu
- Dr. Hiramani, Govt. College Kullu
- Dr. Tarun, Govt. College Kullu

Advisory Committee

- Dr. Ajay Kumar, BRNS, Mumbai, India
- Prof. Mohan K. Kadalbajoo, IIT Kanpur, India
- Prof. Kapil K Sharma, South Asian University, New Delhi, India
- Prof. Rashmi Bhardwaj, ggsipu university, New Delhi, India
- Prof. Rajesh K Singh, Principal, Govt. College Banjar, HP, India
- Dr. S. Sivaji Ganesh, IIT Bombay, India
- Dr. Paramjeet Singh, TIET, Patiala, India
- Dr. R. Sivaraj, NIT Jalandhar, India
- Dr. Ravinder Singh, NIT Jalandhar, India
- Prof. Rajesh Trehan, Principal, Govt. College Kafiota (Sirmour), India
- Prof. Upendra Sharma, Principal, Govt. College Jaisinghpur, India

Important Dates

Abstract Submission deadline : November 10, 2024
Notification of acceptance : November 15, 2024
Registration deadline : November 25, 2024
Conference dates : December 03-04, 2024

Science and Engineering Research Board
(a statutory body of the Department of Science & Technology,
Government of India)

*S & SA, LGF,
Vasant Square Mall
Sector-B, Pocket-3, Vasant Kunj,
New Delhi-110 070*

Brief report of the organized event
(Financial Assistance to Seminar / Symposia)

SERB Sanction / File No: SSY/2024/000602

Date : 30/11/2024

- 1. Name of Academic Institution / University / Society etc. under whose auspices the Seminar / Conference / Workshop / Symposium etc. was organized:**

Government College, Kullu, Himachal Pradesh

- 2. Title of the Seminar / Conference / Workshop / Symposium etc.:** "Mountain Ecosystem: A Biodiversity Focus"
3. Duration / Period of the organized event: October 21-22, 2024 (2 days)
4. Grant Sanctioned: 2,00,000/-
5. Summary of the event (Max. 1000 Words):

National Conference on "Mountain Ecosystem: A biodiversity Focus" organized by Department of Botany, Government College, Kullu, Himachal Pradesh on dated October 21-22, 2024. The Conference was mainly sponsored by Science and Engineering Research Board (SERB), DST, New Delhi and partially by NHPC, Parvati III, Sainj; Research Aid Instruments and Service, Palampur, HP; Akash Publication, Hisar, Haryana; and Modern Publisher, Jalandhar, Punjab and Anand Enterprises, Kullu. The Conference was programmed in six themes and six technical sessions. More than 100 participants including scientists from various research institutions, teaching faculty from various universities and colleges, research scholars and students participated in the conference. 14 invited speakers delivered their talk and 58 research papers were presented by participants through oral and poster presentations. National Conference started with inaugural session, Dr. Mandeep Sharma, Principal, G.C. Kullu graced the occasion as chief guest and Dr. S.S Samant, DSc, FNASc, FLS, FRSB, FSE, Former Director HFRI, Shimla and emeritus scientist, UCOST-MKSC, Almora, Uttarakhand graced the day as guest of honor. Dr. Ramnath, head, department of Botany, G.C. Kullu welcomed the distinguished guests and Dr. Man Singh Rana, convener of the conference briefed about the two days national conference. Dr. S.S Samant, addressed his keynote on '**Need for the Conservation and Management of Himalayan Ecosystem**' and highlighted the current scenario of Himalayan and trans Himalayan regions, biotic and abiotic components of these ecosystems, floral and faunal groups, economic importance and ecosystem services, threats, conservation initiatives and models. The Chief Guest Dr. Mandeep Sharma, also shared his valuable experiences throwing light on biodiversity, culture and socio-economic prospects of Himalayan regions. The session concluded with 'vote of thanks' presented by Dr. Brij Bala, Vice Principal G.C. Kullu. In Technical Session I themed '**Current Scenario of Himalayan Biodiversity**' which was chaired by Dr. S.S. Samant. Two keynote speakers, Dr. ML Thakur, Programme Coordinator, State Biodiversity Board, Shimla, HP deliberated on '**Conservation of Biological Diversity: Concept and Scope**' and Dr. Neelam Thakur, Assistant Professor, Sardar Patel University, Mandi, HP on '**Nanotechnology Innovations in Cancer Treatments via Preserving Gut Microbial Diversity and Reversing Gut Dysbiosis**' and nine participants delivered their presentations in the session.

Technical Session II themed **Biodiversity Conservation and Management** by Dr. Sandeep Sharma, CCF & Director, Great Himalayan National Park, Shamshi, Kullu HP had three invited speakers. Dr. Shyam Masakpalli from School of Bioengineering, IIT Mandi presented a talk on '**Phytochemical diversity of Himalayan essential oils and their applications**', Dr. Salvador Lyngdoh, Scientist from WII, Dehradun, presented on the topic, '**Wildlife Research for Mountain Conservation in Himachal Pradesh**' and Dr. Sandeep Sharma, on, '**Great Himalayan National Park Conservation Area**'. After that participant presented their research papers. About 15 posters were presented in parallel session and were evaluated by the Poster Evaluation Committee comprising of Dr. Ram Nath, Head Department of Botany, GC Kullu, Dr Neelam Thakur, SPU Mandi HP and Dr Kesar Chand, Scientist GBPNHIE Mohal Kullu. Third technical session on the theme "Biodiversity and ecosystem services" started in Conference Hall on day II and was chaired by Dr. Vaneet Jishtu, Senior Scientist Himalayan Forest Research Institute, Shimla, HP. In this session total three keynote speakers, Dr. Shalini Dhyani, Senior Scientist NEERI, Nagpur MH deliberated on the topic **Securing Himalayan Ecosystems and ecosystem services for future: a call of action for researcher and**

Field Trip to Allian Duhangan Hydropower project by Department of Economics



Education field visit cum Excursion to Raghupur Garh by the Department of Economics



Educational tour (Visit to the World Book Fair, New Delhi, Department of Economics & Hindi)

