



# ANNUAL REPORT 2023-2024

## **CENTRAL UNIVERSITY OF JAMMU**

(Established by the Central Universities Act, 2009)

Rahya-Suchani (Bagla), District Samba - 181143,

Jammu (Jammu & Kashmir)

Tel.: 01923-249660 Website: [www.cujammu.ac.in](http://www.cujammu.ac.in)



# **HON'BLE VISITOR OF THE UNIVERSITY**



**SMT. DROUPADI MURMU**

**Hon'ble President of India**





**HON'BLE CHANCELLOR OF THE UNIVERSITY**



**SH. GOPALASWAMI PARTHASARATHY**

**Hon'ble Chancellor**



# MESSAGE OF THE VICE CHANCELLOR



A Central University by its very nature represents the bustling tapestry of India's diverse landscape where diversity and inclusivity are at the core. Presenting this diverse ethos which is in sync with the rapid strides after the effective implementation of NEP-2020, in the 14th Annual Report of Central University of Jammu for the session 2023-2024 instils in me a special sense of fulfilment coupled with self-reflection. It is gratifying to share that the University in a decade of existence has carved a niche both in academics and research at the regional, national and at the International level which makes it imperative to self-scrutinize as the Annual Report serves as an authentic document of introspection for chalking out a blueprint for future course of action.

The report is an objective reflection of our initiatives and accomplishments for the session 2023-2024 and presents a comprehensive glimpse of a gamut of academic activities, research output and innovative teaching pedagogy which ostensibly presents the campus bustling with holistic learning and academic rigour. During the academic session 2023-24, the University offered 53 programmes: 19 Post Graduate, 21 research oriented, 05 Five Year integrated Degree, 01 Four Year Integrated, 04 B.tech programme 03 Vocational Programmes at Under-graduate level under the aegis of 19 Departments and 2 Centres. Moreover, in the year 2023, the prestigious Satish Dhawan Centre for Space Science with entire funding from Indian Space Research Organisation (ISRO) initiated meaningful activities in tune with national policies.

Braving constraints and odds, which ostensibly are a part of an institution's development journey, the University is equally concerned about its nationalistic bonding aptly reflected in the pan-Indian ethos of the University as students from different states of the country are the proud learners, achievers and innovators here. The University has so far awarded 129 Ph.D degrees; 108 M.Phil. Degrees, whereas 284 Ph.D scholars across 19 Departments and 02 Centres are pursuing their research programmes. During the reporting period, 441 students passed postgraduate programmes, 76 passed integrated programmes in different disciplines and 76 passed various undergraduate programmes. Placements of students has seen an upward trend with approximately 150 students placed in various organisations with the highest package of 10.5 per annum.

The University has been able to mobilize resources from various funding agencies for research which is reflected from prestigious National/International Fellowships, Project funding and recognition and hence contributing to various governmental and non-governmental sectors through research and consultancy. University has got 129 projects worth Rs. 44.93 Cr., out of which 73 Projects worth Rs. 13.53 Cr. have been completed and 56 Projects worth of Rs. 31.40 Cr are ongoing. The different funding agencies are, National

Board of Higher Mathematics, Department of Atomic Energy, GOI, SERB, UGC, ICSSR, DST, IUAC, M/O Textile, GoI, DeITY, GOI, MSME, GoI, M/O New and Renewable Energy, GoI, EDII, Ahmedabad, etc. Pertinently, Central University of Jammu got Department of Science & Technology, New Delhi - Promotion of University Research and Scientific Excellence (DST-PURSE) project grant worth 6.51 Cr. and Central University of Jammu is the first and only Central University established Under Central University Act. 2009 to be sanctioned PURSE Grant. Moreover, the university has filed 17 Patents out of which 2 Patents have been sanctioned. Understandably, the academic rigour needs to be supplemented with state-of-the art infrastructure and facilities. Hence, with Wi-fi facility on the campus and in hostels, an automated library, basic sports infrastructure, yoga classes, various clubs and interactive sessions, weekly Thursday Mind Meet forum etc., the students of the University succeed in obtaining high quality holistic education and also earn prestigious placements. The thrust of the University has admirably been on inculcating basic human values and standards through diverse programmes and courses being currently offered.

Moreover, for the development of the campus four HEFA funded projects namely School of Basic and Applied Sciences, Library cum Administrative Block, 500 bedded boys hostel and 500 bedded girls hostel were initiated and are expected to be complete by ending of the year 2024.

Commensurating with the thrust of National Education Policy-2020 on start-up ecosystem, innovation and patents, the University has established Company Section 8 for fostering start-up culture. The growth of the University clearly reflects a visible upward graph in the area of teaching and learning, quality research and publication. This progressive developmental trend is quite visible in infrastructural and support facilities. The university is coming up with some innovative schemes for empowering students, like Earn-while your- Learn; Alumni Endowment Fund etc. Further, the University is successful in qualitatively enhancing basic facilities in the class rooms in the form of smart teaching rooms and extensive use of ICT for multiplier effect in all its multidimensional activities.

Another notable strength of the University is the committed faculty hailing from different parts of the country. During the period under report, the faculty strength has increased to 150 at various levels. The challenges undoubtedly are an elixir of higher educational institutions and the real catalyst is the goodwill and unflinching commitment of all stakeholders: faculty, scholars, students, administrative staff and helping staff. With perseverance, honest work, camaraderie and goodwill, the Central University of Jammu is all bound to attain new pinnacles of glory in the year ahead.

**Jai Hind!**

**Prof. Sanjeev Jain**



## *Vision & Mission*

### *Vision*

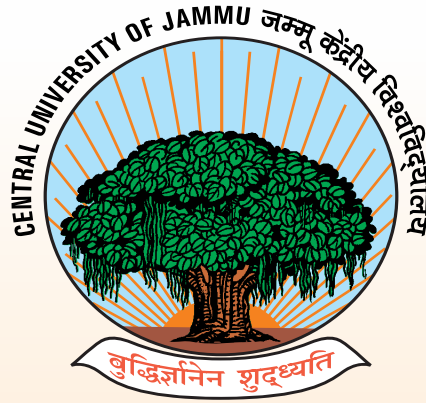
To be a leading Centre of higher learning, integrating culture, knowledge, philosophy, science and value system of our heritage with modern and emerging concepts, skills, technology and management practices.

### *Mission*

- Impart education which in its breadth and scope represents the three main symbols in our logo; iridescent like the rising Sun, immortal as the Banyan Tree and infinite like the Sky.
- Inculcate self confidence; which when combined with disciplinary study, leads to faith in one's strength and conviction.
- Develop talent for sustainable growth in academics, administration, business and research by laying emphasis on organised thought, self-discipline and discriminative faculty.
- Encouraging inter-disciplinary focus, as also collaborative research with leading institutions aimed at the optimum development of human resource and integration of new ideas and innovations.
- Provide a modern, environmentally sustainable, healthy and vibrant Campus in consonance with the principles of Green technology.
- Play participatory role in the affairs of the people of surrounding areas in particular and civil society in general.



# Motto



**MOTTO** of the University is बुद्धिज्ञानेन शुद्ध्यति implies that knowledge refines, purifies and sharpens the mind.

**Symbolism** : The Rising Sun, the Banyan Tree and the Infinite Sky are some of the most significant constituents of nature, epitomizing its essence and motivating the mankind to embrace a productive way of life, to acquire knowledge and attain peace and happiness.

These elements, each being an inspirational entity, have been arranged together into an emblem to represent the Central University of Jammu.

**RISING SUN** - The rising Sun in the backdrop of the Banyan Tree is emblematic of victory over darkness - the triumph of enlightenment over ignorance. The students shall abide in light, acquire knowledge and grow in wisdom.

**BANYAN TREE** - This part of the emblem proclaims that as the Banyan Tree filters impurities to provide pure air and proliferates through its prop roots, the University intends to resonate wisdom and knowledge, leading to organized thought and self disciplined individuals through contribution and participation of its alumni.

**INFINITE SKY**- The vast canopy of the Infinite Sky filled with rays of the Sun denote the enormous expanse available for acquisition, growth and spread of knowledge; the soaring spirit as also an exhaustive domain for nurturing and flow of ideas.

University is an abode of boundless learning, knowledge and wisdom that paves the way to purposeful self-introspection, leading to individual growth and development.

To sum up, the Rising Sun along with the Banyan Tree and the Infinite Sky, truly reflect the values, aspirations, goals and ethos of the University as it seeks to usher in an enlightened society through vibrant, learned and empowered youth ready to adopt new ideas and emerging trends in the modern world.





# CONTENTS

<b>S.No.</b>	<b>Topic</b>	<b>Page Nos.</b>
1	Campus at a Glance	1 – 2
2	CUJ's Foundation for Future Partnerships (MoU's)	3 – 4
3	Courses Offered	5
4	Academic Highlights	6 – 8
5	State-of-the-art Infrastructure	9 – 11
6	Programmes Offered & Intake	12 – 14
7	University Bodies	15 – 16
8	Executive Council	17 – 18
9	Academic Council	18 – 19
10	Finance Committee	20
11	Planning Board	21
12	Officers of University	22
13	School of Languages	23 – 30
14	School of Education	31 – 36
15	School of Humanities & Social Science	37 – 49
16	School of National Security Studies	50 – 53
17	School of Business Studies	54 – 59
18	School of Engineering Science and Technology	60 – 76
19	School of Basic & Applied Science	77 – 93
20	School of Life Science	94 – 114
21	School of Knowledge, Management, Information and Media Studies	115 – 116
22	Office of Dean Students' Welfare	117 – 118
23	Training & Placement	119 – 120
24	Faculty Appointments	121 – 123
25	Inauguration of NCC Girl's Wing	124
26	Hindi Cell	124 – 129





# Campus at a Glance

## Introduction

The Central University of Jammu (CUJ) came into existence on August 08, 2011 and was established under the Central Universities Act, 2009 (Act No.25 of 2009 read with the Central Universities Act, 2009). The first academic session (2011-2012) commenced with three post graduate courses and at present university is offering various undergraduate/ Postgraduate/ PhD/ Diploma/Certification programmes through its University Departments and Centres. The University is located at Village Rahya – Suchani (Bagla) in District Samba of J&K, approximately 24 km away from the Jammu-Tawi Railway Station, 25 km from the Jammu Airport, and around 7 km from the National Highway. The campus is well connected through local and state transport. Central University of Jammu epitomizes an inclusive and pluralistic institution of higher learning. The faculty and students as a collective community is committed to discovering and sharing knowledge, as well as addressing the challenges that our world is facing.

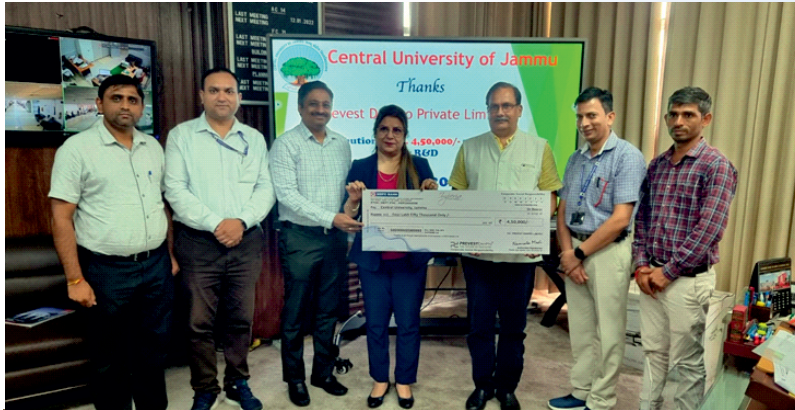




The university's administrative office is housed in a building at the campus site at Rahya-Suchani (Bagla), Distt-Samba, (J&K). The university campus area extends to 610-acre which comprises a variety of noteworthy geographical characteristics, including a scenic environment, various buildings, and large roads. The campus is a sight to behold, with architectural harmony and natural beauty. The main academic building houses various teaching, research, library, laboratory and recreational facilities.



## CUJ'S FOUNDATION FOR FUTURE PARTNERSHIPS (MoU's)



**Signing of MoU between  
Prevest DenPro Pvt. Ltd, BSE listed  
and CUJ**



**Signing of MoU between IIST,  
Thiruvendrum and CUJ for  
Academic and Research activities**



**MOU Signing between Mecon and CUJ**





# Courses Offered

## SCHOOL OF BUSINESS STUDIES

- ✓ MBA
- ✓ MBA (Tourism & Travel Management)
- ✓ MBA (Marketing Management)
- ✓ Ph.D

## SCHOOL OF LANGUAGES

- ✓ M.A. English
- ✓ M.A. Hindi
- ✓ Ph.D

## SCHOOL OF BASIC AND APPLIED SCIENCES

- ✓ M.Sc. Mathematics
- ✓ Integrated B.Sc. (H) - M.Sc. (Physics)
- ✓ Integrated B.Sc. (H) - M.Sc. (Chemistry)
- ✓ M.Sc. Material Science & Technology
- ✓ M.Tech. (Computer Sciences)
- ✓ Ph.D (Mathematics/Physics/Chemistry/  
Material Science/Computer Science)

## SCHOOL OF LIFE SCIENCES

- ✓ M.Sc. Environmental Studies
- ✓ Integrated B.Sc. (H) - M.Sc. Zoology
- ✓ Integrated B.Sc. (H) - M.Sc. Botany
- ✓ M.Sc. Biotechnology
- ✓ Ph.D(Botany/Zoology/EVS/Biotechnology)

## SCHOOL OF EDUCATION

- ✓ B.A. - B.Ed.
- ✓ M.Ed.
- ✓ Ph.D

## SCHOOL OF NATIONAL SECURITY STUDIES

- ✓ M.A. National Security Studies
- ✓ Ph.D

## SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

- ✓ M.Sc. ( Economics- Integrated 5 years)
- ✓ M.A. Public Policy & Public Administration
- ✓ PG Diploma in Indian Mystical thoughts/  
Saivism / Brahma & Sharda
- ✓ M.A. Social Works
- ✓ Ph.D

## SCHOOL OF KNOWLEDGE MANAGEMENT, INFORMATION AND MEDIA STUDIES

- ✓ M.A. Mass Communication & New Media
- ✓ Ph.D

## SCHOOL OF ENGINEERING & TECHNOLOGY

- ✓ B.Tech(CSE)
- ✓ B.Tech(CSE)-Cyber Security
- ✓ B.Tech(ECE)
- ✓ B.Tech (ECE)-Avionics

## COMMUNITY COLLEGE

- Bachelor of Vocational Studies
- ✓ Banking & Financial Services
- ✓ Tourism Management
- ✓ Retail Management



# Academic Highlights

Central University of Jammu is slated towards striving excellence by focusing on various aspects that elevate the status and stature of education. A sound reflection with the changing times is the utmost intention of a growing institution. All programs offered by the University are in a state of continuous re-orientation and revamping in consonance with the New Education Policy, 2020. To ensure this, the University has ensured the following:

## **Innovative Programme Design**

The University's Programmes have been created with the goal of making students worldwide competitive in their respective disciplines. The focus is on the 'Learner-Centric Approach' as opposed to the conventional 'Teacher-Centric Approach' to accommodate learner's needs and expectations to have wider choices in content, mode and pace of learning.

## **Adoption of Inter-disciplinary Approach of Learning**

Each study program of the University is inter-disciplinary in approach as the student is empowered to accumulate required number of credits from a wide variety of courses offered by other Departments of the University. Cross-disciplinary study gives exposure to students in terms of holistic conceptualization of the realms of learning.

## **Academic Calendar based on Semester System**

All academic programmes of the University viz. Certificate, Diploma, B.Voc, Undergraduate (UG), Post Graduate (PG) are based on semester system, designed at par with global practices to encapsulate a more structured pattern and effective number of teaching days along with adequate teaching-learning inputs.

## **Inclusion of Comprehensive Choice Based Credit System**

The University is following Comprehensive Choice Based Credit System (CBCS) as per UGC norms largely on the lines of the best Universities of the world.

## **Holistic Evaluation System for Academic Programs**

Students enrolled in all disciplines of study are assessed through Continuous Internal Assessment based on quizzes, field projects, assignments, independent works, group work, Mid-semester and End-semester examinations. Each Department offers minimum three activities out of a list of activities to assess the performance of the students through wide variety of activities under Continuous Internal Assessment to holistically evaluate the students.



## Evaluation Process for all Academic Programmes

Assignments, independent tasks, group work, mid-semester, and end-semester exams are used to assess students in all courses across disciplines at all levels. Each department provides a minimum of four activities from a list of activities to measure students' performance through a range of activities as part of a continual internal assessment process. The following steps make up the assessment process:

Continuous Internal Assessment	25%
Mid-Semester Examination	25%
End-Semester Examination	50%

## Fellowships for PG and PhD Students

Fellowships are the most important part of student support. Central University of Jammu assist the students and researchers in availing these fellowships by providing guidance to the students for clearing the National level exams for the fellowships. Researchers who are pursuing PhD and those who have cleared their UGC (JRF)/ GATE are availing the fellowships offered by University Grants Commission and Council for Scientific and Industrial Research. Various other fellowships availed by the University students are NGOBC, RGNF, Single Girl Child, Pahari Speaking, Post Matric Scholarship for SC/ST students, PMS-Minority etc.

## State-of-the-art Facilities

The University offers various facilities on campus including library, gymnasium, canteen, hostel, sports facility, wi-fi connectivity and much more. The campus is both eco-friendly lush green and inviting equipped with all necessary facilities. Students enrolled in the University can benefit from these facilities without paying any membership charge.

## Internship Embedded Skill Training Programme

The goal of this initiative is to provide Indian youth with skill training through sector-specific vocational education programmes. The Next-Generation Bachelor of Vocational [B.Voc.] programmes are offered under the University Grants Commission's (UGC) "National Skill Qualification Framework (NSQF)" to address critical knowledge and skill-set gaps required to make candidates "Industry Ready" and also shape "Young-entrepreneurs." The Bachelor of Vocational [B.Voc.] programmes incorporate specific job roles and their equivalent National Occupational Standards (NOSs) along with

broad-based general education. The Central University of Jammu currently offers three B. Voc. programmes namely B. Voc. (Tourism Management), B. Voc. (Retail Management) and B. Voc. (Banking & Finance). The three-year degree programme begins with a Diploma course leading to a Bachelor of Vocational Degree [B.Voc.] in the 3rd year. B.Voc. programme offer multiple entry and exit options. As a course requirement, every B. Voc. student of Central University of Jammu is required to complete internships through 'Earn While You Learn' model. This 'Earn While You Learn' model provides students an opportunity to earn a modest stipend in skill knowledge sectors.

### **Opportunity for International Students**

The overseas students desirous of seeking admission in various programmes will be given the opportunity to apply for admission under “Provisions for admission to International Students”.

### **Quality Education at Affordable Fees**

Central University of Jammu has relatively low tuition fee that students from any background can afford. A major advantage of attending Central University of Jammu is that the fee of any programme is not excessively expensive for students to avail good quality education.





# State-of-the-art Infrastructure

To meet the contemporary demands of many programmes, the University boasts state-of-the-art infrastructural facilities such as smart classrooms, well-equipped Research Laboratories, and Lecture Theatres. The University has a fully automated library that is stocked with an adequate number of books (both physical and electronic), journals (both physical and online), and reference materials relating to the many disciplines/programs of study provided by the University.

## Internet & ICT Labs

The University is equipped with seamless Wi-Fi connectivity and students can access the Internet through their own laptops from anywhere in the Campus. The University also has three state-of-the-art ICT Labs equipped with high-end PCs loaded with necessary software's accessible to the students of all the disciplines.



## Gymnasium

The University has established fully equipped gymnasium in the Main Campus.





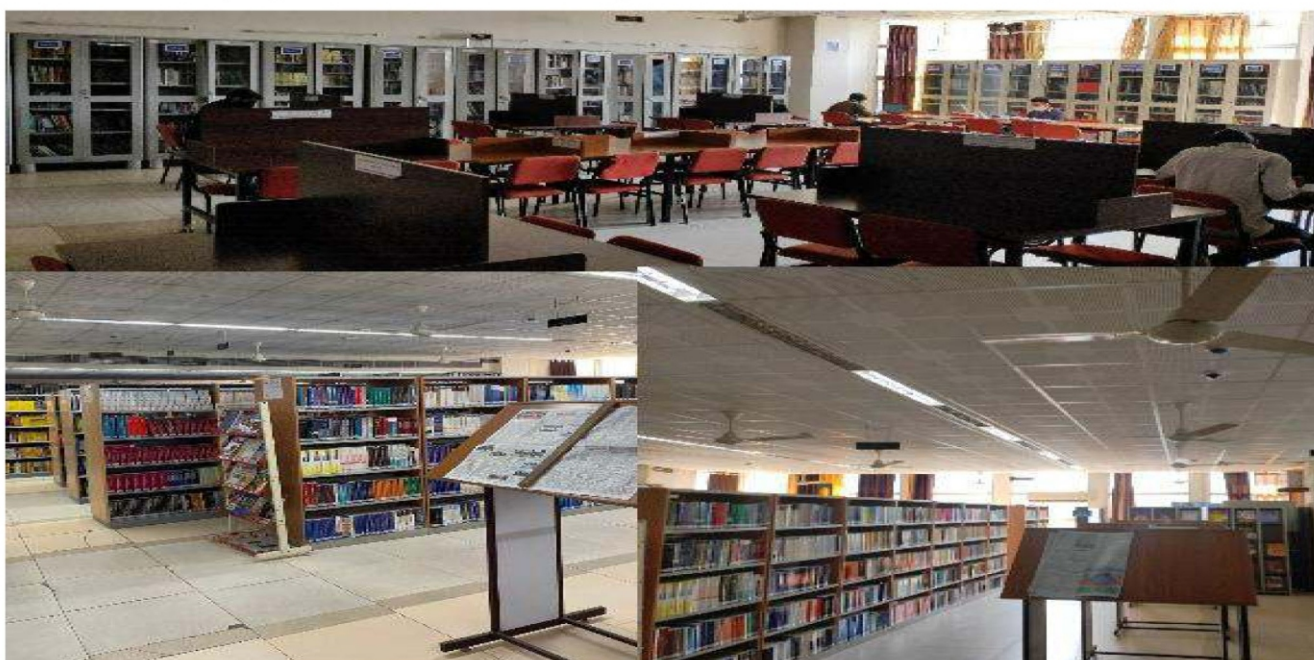
## Seminar Hall

Well-equipped Seminar Hall with a seating capacity of 170 has been created. The Committee rooms are available for conducting official meetings, Seminars and/or other academic activities.



## Library

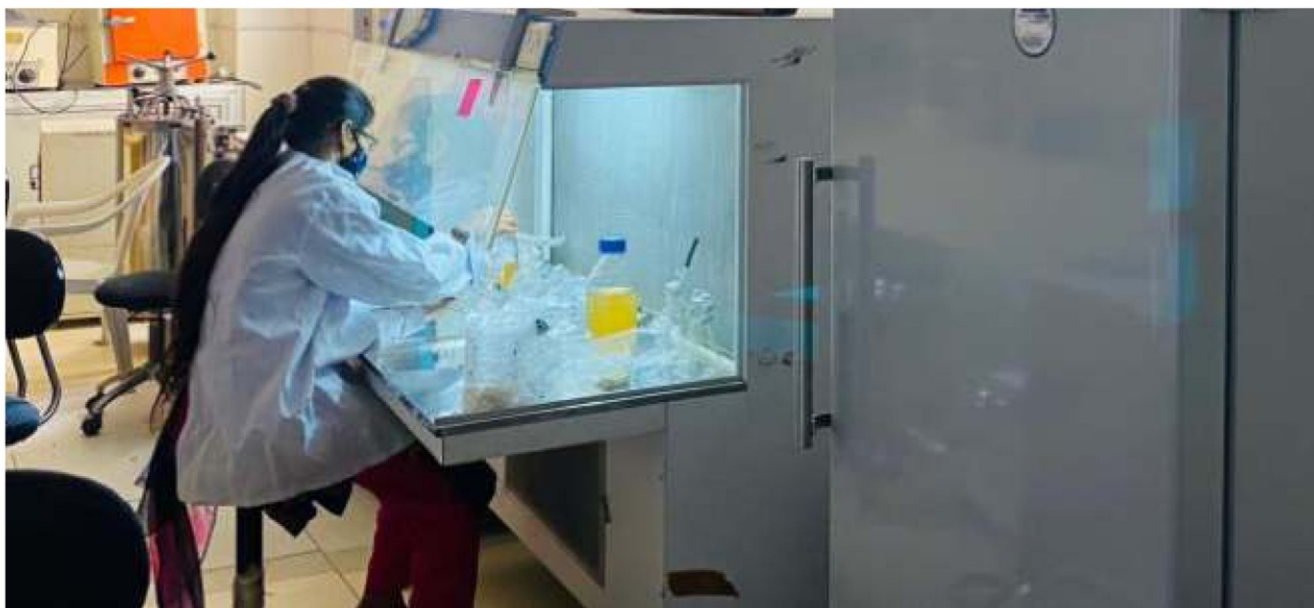
The library was established in the year 2011 and now catering 21 departments. It has a collection of 27253 Books, 50 print journals, 5118 online e-journals, 277 e-Books, 16 Newspapers, 15 Magazines and remote access facility for accessing subscribed e-resources through INFED (INFLIBNET). The Library has 10 Computers for Research Scholars and Students to access the e-Resources, Internet and OPAC. The library has access to anti-plagiarism software namely URKUND and iThenticate (Turnitin).





## Laboratories

University provides state of the art laboratory facilities to its students, faculty and staff for carrying out teaching, research and practical activities. The University has dedicated labs for various disciplines of sciences.



## Healthcare

Medical facilities with full time Doctors and nursing staff are available for the students, staff and faculty of the University at its campus.



## Canteen/Cafeteria

The University has a spacious, airy canteen where students and teaching faculty get an opportunity to relish the neat and clean eatables prepared under hygienic conditions at its campus.

# Programmes Offered & Intake

## Under Graduate, Post Graduate and Integrated Ph.D. Programmes (2023-24)

Details of students/scholars admitted to Under Graduate, Post Graduate and Integrated Ph.D. Programmes in the respective Departments for Academic Session 2023-24, are as under:-

### MASTERS DEGREE PROGRAMMES (2 YEARS)

S.No.	School	Department	Programme Offered	Student Admitted
1	School of Business Studies	Department of HRM & OB	MBA	33
2		Department of Tourism and Travel Management	MBA (Tourism and Travel Management)	14
3		Department of Marketing and Supply Chain Management	MBA (Marketing Management)	34
4	School of Knowledge, Management, Information & Media Studies	Department of Mass Communication & New Media	M.A. (Mass Communication and New Media)	13
5	School of Basic and Applied Sciences	Department of Computer Science and Information Technology	M.Tech (Computer Science & Technology)	08
6		Department of Nano Sciences and Materials	M.Sc. (Material Science & Technology)	08
7		Department of Mathematics	M.A. / M.Sc. Mathematics	36
8	School of Education	Department of Educational Studies	M.Ed. (Master of Education)	28
9	School of Humanities and Social Sciences	Department of Public Policy and Administration	M.A. (Public Policy and Public Administration)	32
10		Department of Social work	M.A. (Social Work)	26
11		Centre for Comparative religion and Civilization	M.A. (Comparative Religion and Civilization)	06
12	School of Languages	Department of English	M.A. (English)	35
13		Department of Hindi and Other Languages	M.A. Hindi	06
14	School of Life Sciences	Department of Environmental Sciences	M.Sc. (Environmental Sciences)	70
15		Centre for Molecular Biology	M.Sc. (Biotechnology)	46
16	School of National Security Studies	Department of National Security Studies	M.A. (National Security Studies)	12

**INTEGRATED UG-PG PROGRAMMES 5 YEARS**

S.No.	School	Department	Programme Offered	Student Admitted
1	School of Life Sciences	Department of Botany	Integrated B.Sc. (Hons)- M.Sc in Botany	57
2		Department of Zoology	Integrated B.Sc. (Hons)- M.Sc in Zoology	63
3	School of Basic and Applied Sciences	Department of Chemistry and Chemical Sciences	Integrated B.Sc. (Hons)- M.Sc in Chemistry	63
4		Department of Physics and Astronomical Sciences	Integrated B.Sc. (Hons)- M.Sc in Physics	41
5	School of Humanities and Social Sciences	Department of Economics	Integrated B.Sc. (Hons)- M.Sc in Economics	45

**INTEGRATED UG-PG PROGRAMMES 4 YEARS**

S.No.	School	Department	Programme Offered	Student Admitted
1	School of Education	Department of Education	Integrated B.A.-B.Ed.	70

**B.TECH. PROGRAMMES (4 YEARS)**

S.No.	School	Department	Programme Offered	Student Admitted
1	School of Engineering	Department of Computer Science & Engineering	B.Tech in Computer Science and Engineering	52
2			B.Tech in Computer Science and Engineering (Cyber Security)	52
3		Department of Electronics and Communication Engineering	B.Tech in Electronics and Communication Engineering	23
4			B.Tech in Electronics and Communication Engineering (Avionics)	13

**VOCATIONAL/CERTIFICATE COURSES**

S.No.	School	Department	Student Admitted
1	Community College	B.Voc(Retail Management)	27
2		B.Voc (Tourism Management )	25
3		B.Voc (Banking and Financial Services)	37
4	Centre for Comparative Religion and Civilization	PG Diploma (One Year) – Indian Mystical Thought	0
5		PG Diploma (One Year)-Saivism	0

6		PG Diploma (One Year)- Indian Script: Brahmi and Sharda	0
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**VOCATIONAL/PG DIPLOMA COURSES**

S.No.	School	Department/Centre	Programme Offered	Student Admitted
1	School of Business Studies	Community College	B.Voc(Retail Management)	13
			B.Voc (Tourism Management )	17
			B.Voc (Banking and Finance Management )	32
2	School of Humanities and Social Sciences	Centre for Comparative Religions & Civilizations	PG Diploma (Indian Scripts Brahmi & Sharda)	13
			PG Diploma (Shaivism)	13
			PG Diploma (Indian Mystical Thoughts)	06



## UNIVERSITY BODIES

### University Court

### Constitution

i.	Chancellor	Chairperson Ex-officio
ii.	Vice Chancellor	Member Ex-Officio
iii.	Pro-Vice Chancellor	Member Ex-Officio
iv.	All Deans	Member Ex-Officio
v.	Two members of the Executive Council to be Nominated by the Executive Council.	Vacant Vacant
vi.	All Head of Departments (HoDs)	Member Ex-Officio
vii.	Four members to be nominated by the Visitor	Vacant Vacant Vacant Vacant
viii.	Dean Students's Welfare	Member Ex-Officio
ix.	Registrar	Member- Secretary Ex-Officio
x.	Librarian	Member Ex-Officio
xi.	Proctor	Member Ex-Officio
xii.	Controller of Examinations	Member Ex-Officio
xiii.	Finance Officer	Member Ex-Officio
Representatives of Teachers out of Directors / Principals / Professors		
xiv.	Ten Professors who are not Heads/ Deans but they hold the status of Professor / Director / Principal. The Professors / Directors/ Principals to be nominated by the Vice Chancellor representing each School / Centre / College on the rotation. The representation shall be given to each Department/School/Centre. The rotation shall be carried till all get representation.	<ol style="list-style-type: none"> <li>1. Prof. J.N.Baliya Dept. of Educational Studies</li> <li>2. Prof. Kusum Kumari Dept. of Physics and Astronomical Sciences</li> </ol>

xv.	Two Associate Professors who are not Heads of Teaching Departments. The Associate Professors to be nominated by the Vice Chancellor representing each School/Centre/ College on the rotation. The representation shall be given to each Department/ School/Centre. The rotation shall be carried till all get representation.	<ol style="list-style-type: none"> <li>1. Dr. Uday Pratap Singh Associate Professor Dept. of Mathematics.</li> <li>2. Dr. Dhanananajaykumar Associate Professor Dept. of Zoology</li> </ol>
xvi.	Two Assistant Professors by rotation, to be Nominated by the Vice Chancellor.	<ol style="list-style-type: none"> <li>1. Dr. Vinita Sharma Assistant Professor Department of Zoology</li> <li>2. Dr. Naresh Kumar Assistant Professor Dept. of Marketing and Supply Chain Management.</li> </ol>
<b>Representatives of Non-Teaching Staff</b>		
xvii.	Three members of the non-teaching Staff, one from each of the following categories, to be nominated by the Vice Chancellor on rotation basis.	<p>Group 'A'</p> <ol style="list-style-type: none"> <li>1. Dr. Vijayata Puri Senior Medical Officer</li> </ol> <p>Group 'B'</p> <ol style="list-style-type: none"> <li>1. Ms. Radha Kumari, Personal Assistant</li> </ol> <p>Group 'C'</p> <ol style="list-style-type: none"> <li>1. Ms. Harinder Kour Upper Division Clerk</li> </ol>
<b>Persons representing learned Professions and Special interests</b>		
xviii.	Six persons representing learned professions and special interests including representatives of Industry, Commerce, Trade Unions, Banking, Agriculture, Health & Culture, Financial Institutions, Legal, Bureaucrat, Police/Army, Eminent Academicians, Engineering/ Architecture, Media, TV/Film, Social Work, Corporate, etc. to be nominated by the Executive Council.	<ol style="list-style-type: none"> <li>1. Vacant</li> <li>2. Vacant</li> <li>3. Vacant</li> <li>4. Vacant</li> <li>5. Vacant</li> <li>6. Vacant</li> </ol>
<b>Nominees of the Chancellor</b>		
xix.	Two persons to be nominated by the Chancellor from Vice Chancellors and Eminent Academicians.	<ol style="list-style-type: none"> <li>1. Vacant</li> <li>2. Vacant</li> <li>3. Vacant</li> </ol>
xx.	One Alumni and student Council representative.	<p>Alumni Vacant Student Council Representative Vacant</p>

## EXECUTIVE COUNCIL

Structure of the Executive Council	Executive Council Members
a) Vice Chancellor	Chairperson (Ex-officio)
b) Pro-Vice-Chancellor	Member (Vacant)
c) Secretary, Department of Higher Education, MHRD, GOI or his / her nominee not below the rank of Joint Secretary	Member (Ex-officio)
d) Chairman, UGC or his / her Nominee	Prof. Anu G. Aggarwal Department of Operational Research Faculty of Mathematical Science University of Delhi
e) Secretary of the State Government dealing with matters relating to Higher Education	Member ( Ex-officio)
f) Four persons of distinction in academics to be nominated by the Visitor (vide MHRD letteNo.F.No.52-1/2019-CU-III dated 18.02.2019)	1. Prof. Devinder Singh Chairperson, department of law, Punjab University, Chandigarh
	2. Prof. Jaya Prakash Yadav Vice Chancellor, Indira Gandhi University, Meerpur, Rewari
	3. Prof. Anu G. Aggarwal Dept. Of operational Research, Faculty of Mathematical Science, University of Delhi,
	4. Prof. Usha Mina School of Environmental Science, JNU, New Delhi
g) Three eminent academicians not in the service of the University, to be nominated by the MHRD from amongst a panel recommended by the Executive Council;	Member (Vacant)
	Member (Vacant)
	Member (Vacant)
h) One member of the Court nominated by the visitor	Member (Vacant)
i) Three Deans of Schools of Studies by rotation according to seniority	1. Prof. Vinay Kumar Dean, School of Basic and Applied Sciences
	2. Prof. Vandana Sharma Dean School of Basic and applied science
	3. Prof. Sunil Dhar Dean, School of Life Science
j) One Professor who is not a Dean, by rotation according to seniority, to be nominated by the Vice-Chancellor	3.Prof. Deepak Pathania Professor Dept. of Environmental Sciences

k) One Associate Professor who is not a Dean, by rotation according to seniority to be nominated by the Vice-Chancellor	Dr. Rouchi Chaudhary Associate Professor, Department of Public Policy and Public Administration
l) Registrar	Secretary (Ex-officio)

### **ACADEMIC COUNCIL**

a.	Vice Chancellor	Prof. Sanjeev Jain Hon"ble Chairman
b.	Pro Vice Chancellor	Member
c.	Deans of Schools of Studies	Member
d.	Dean of Students  Welfare	Member
e.	Proctor	Member
f.	Librarian	Member
g.	One member of the Court from amongst the elected members of the Court to be nominated by the Court	Prof. Varun Sahni Former Vice Chancellor, Goa University
h.	Ten Heads of Teaching Departments on the basis of seniority and rotation to be nominated by the Vice Chancellor	1. Head, Dept. of Botany 2. Head, Dept. of Hindi 3. Head, Dept. of English 4. Head, Department of Educational Studies 5. Head, Dept. of Physics 6. Head, Department of Nano Sciences 7. Vacant 8. Vacant 9. Vacant 10. Vacant
i.	Five Directors of Centres, if any, on the basis of seniority and rotation to be nominated by the Vice Chancellor	I. Prof. B.S. Bhau Director , DIA-KCOE II. Director, Centre for Molecular Biology III. Prof. Vinay Kumar Director/Convener, SDSC IV. Prof. Yashwant Singh V. Director, Directorate of physical Education VI. Dr. Ajay kumarsingh Director , CCRC
j.	Two Professors, who are not Dean of Schools or Head of the Departments / Centres and not Members of Executive Council, from each School, on the basis of seniority and rotation to be nominated by the Vice Chancellor	i. Vacant ii. Vacant

k.	Two Associate Professors, who are not covered in in (c), (d), and (e) above, or not Head of the Departments or not Members of Executive Council, by rotation according to Seniority, to be appointed by the Vice Chancellor	<p>i. Dr. Richa Kothari Associate Professor, Dept. of EVS</p> <p>ii. Dr. RituBakshi Associate Professor, Department of Educational Studies</p>
l.	Two Assistant Professors, who are not Members of Executive Council, by rotation according to Seniority, to be appointed by the Vice Chancellor	<p>i. Dr. Pavinder Singh Dept. of Mathematics</p> <p>ii. Dr. Neelika Arora Dept. of HRM &amp; OB</p>
m.	Ten Persons, not in the service of the University, co-opted by Academic Council for their Special Knowledge in Educational Progress, Development and Industry Linkage	<p>i. Prof. Mohd. Miyan Former Vice Chancellor, Maulana Azad National Urdu University</p> <p>ii. Prof. Manoj Dhar Former, Vice Chancellor, University of Jammu</p> <p>iii. Prof. Sushma Yadav Former, Vice Chancellor, Bhagat Phool Singh Mahila Vishwavidyalaya, Haryana</p> <p>iv. Prof. Manoj Gaur Director, IIT Jammu</p> <p>v. Prof. R. N. K. Bamzai Former Vice Chancellor, SMVDU</p> <p>vi. Prof. Pulin B. Nayak Department of Economics, University of Delhi</p> <p>vii. Prof. Ashok Ogra Director, Apeejay School of Mass Communication, New Delhi</p> <p>viii. Prof. S. K. Sharma Former Head, Department of Law, University of Jammu</p> <p>ix. Prof. Romesh Chander Head, Dept. of Mathematics, University of Jammu</p> <p>x. Sh. Dhanajay Singh Director General – National HRD Network</p>
n.	Registrar	Secretary (Ex-Officio)

## FINANCE COMMITTEE

i) Vice-Chancellor	Chairman (Ex-officio)
ii) Pro-Vice-Chancellor	Member (Ex-officio)
iii) One Person to be nominated by Court (Nominated by Chairman of the Court on 31st Aug, 2020)	Prof. Amitabh Mattoo Centre for International Politics Organization and Disarmament Jawaharlal Nehru University New Mehrauli Road, New Delhi - 110067
iv) Three Persons nominated by Executive Council, out of whom at least one shall be a member of the Executive Council.  (E.C in its 15th meeting held on 10.12.2019 (item No. 13) authorized VC to nominate three members)	i) Prof. Sushil Kumar Gupta Professor, Division of Agroforestry Faculty of Agriculture SKUAST - Jammu (Executive Council Member) ii) Prof. M. I. Haque Former Dean and Chairman, D/o Business Administration , Faculty of Management Studies and Research, AMU, Aligarh iii) Prof. Alok Mohan Sherry National Institute of Financial Management Faridabad, New Delhi
v) Three persons to be nominated by the Visitor. (MHRD letter F.No.54-1/2014-CU.III dated 8th January, 2019)	i) Joint Secretary and Financial Advisor, MHRD, or his/her nominee from Finance Bureau (dealing with CUs), MHRD not below the level of Under Secretary. ii) Joint Secretary (CU), MHRD, or his/her nominee not below the level of Under Secretary from Administrative Bureau. iii) Joint Secretary (CU), UGC, or any other officer not below the level of Under Secretary nominated by the Chairman, UGC.
vi) Finance Officer	Secretary (Ex-officio)

## PLANNING BOARD

1.	Vice-Chancellor	Ex-Officio	Chairman
2.	Pro Vice Chancellor	--	Member
3.	Two Deans of Schools by seniority on the basis of rotation	Prof. Jaya Bhasin Dean School of Business Studies	Member
		Prof. B.S. Bhau Dean School of Life Sciences	Member
4.	Six persons to be nominated from among the persons who have special interest in education process and development are of high academic standards, of which: Four shall be nominated by the Executive Council and Two by the Vice Chancellor	Sh. Parikshit Kaul Senior Vice President, Cooperate Services, Adnani Group Dr. Srinivasa Reddy Director, IIM, Jammu Prof. M.N. Khan FMSR, AMU Head, Department of Civil Engineering, Govt. College of Engineering & Technology, ChakBhalwal, Jammu. Principal Secretary to J&K Department of Skill Development, UT of Jammu & Kashmir Sh. Amit Sharma Director & Cyber Advisor, DRDO, Ministry of Defence, India	
5.	Finance Officer	Ex-Officio	Member
6.	Registrar	Ex-Officio	Member Secretary
		Sh. Sanjay Kachroo Former, Editorial Advisor news 18 Network Former Vice President media, Reliance Industries Ltd.	Special Invitee
		Chief Town Planner Jammu Development Authority, Jammu	Special Invitee
	One Professor who is not a dean by rotation According to seniority to be nominated by the Vice Chancellor	Prof. Deepak Pathania Dept. of Environmental Science	
	One Associate Professor who is not a dean by rotation according to seniority to be nominated by the Vice Chancellor	Dr. Rouchi Chaudhary Associalt Professor, Dept. of PPPA	

## **OFFICERS OF UNIVERSITY**

<b>S.No.</b>	<b>Name of Officer</b>	<b>Designation</b>
1	Prof. Yashwant Singh	Registrar
2	Mohammed Iqbal	Deputy Registrar
3	Shafla Parihar	Deputy Registrar
4	Sh. Vishal Bargotra	Executive Engineer
5	Sh. Vikas Gupta	Assistant Registrar
6	Sh. Ajay Sharma	Assistant Registrar
7	Sh. Shailender Slathia	Assistant Registrar
8	Sh. Romesh Chander	Assistant Librarian
9	Ms. Prerna	Assistant Librarian
10	Dr. Harpreet Singh	Senior Medical Officer
11	Dr. Vijayata Puri	Senior Medical Officer
12	Dr. Prianjan	Assistant Director (OL)
13	Sh. Dhruv Kumar	Information Scientist
14	Sh. Udit Mahajan	System Analyst
15	Sh. Rajan Badyal	Public Relation Officer



# SCHOOL OF LANGUAGES

## हिंदी एवं अन्य भारतीय भाषा विभाग

हिन्दी एवं अन्य भारतीय भाषा विभाग की स्थापना अगस्त 2015 में हुई। विभाग का उद्देश्य राष्ट्रभाषा हिन्दी तथा अन्य भारतीय भाषा और साहित्य के अध्ययन को बढ़ावा देने के साथ दृसाथ उन्नत शोध कार्यों के माध्यम से भारतीय ज्ञान परंपरा के विकास में योगदान देना है। साथ ही डोगरी और अन्य स्थानीय भाषाओं के अध्ययन का मुख्य केंद्र बनाना है। विभाग में एम ए और पीएचडी पाठ्य क्रम संचालित हैं। विभाग हिन्दी भाषा, साहित्य और अंतर-अनुशासनिक भारतीय भाषाओं एवं साहित्य के शिक्षण द्वारा भारतीय सभ्यता, संस्कृति, दर्शन तथा सामाजिक-राजनैतिक चुनौतियों से परिचित कराने के प्रति कटिबद्ध है। विभाग अद्यतन प्रविधियों का उपयोग करते हुए नवीन विषयों दृ रचनात्मक लेखन, पटकथा लेखन, पत्रकारिता, अनुवाद एवं प्रयोजन मूलक हिन्दी आदि रोजगारोन्मुखी शिक्षण के प्रति संकल्प बद्ध है। विभाग प्राचीन, मध्यकालोन, रीतिकालीन, आधुनिक साहित्य, विमर्श, भाषा विज्ञान, काव्य शास्त्र और तुलनात्मक अध्ययन आदि पर शोध कार्य के लिए प्रतिबद्ध ह।

### संकाय विवरण

क्र.स.	नाम	पदनाम	विशेषज्ञता के क्षेत्र
1	भारत भूषण	आचार्य	कथा साहित्य, भारतीय साहित्य, हिंदी साहित्य में भारतीय चिंतन दृष्टि
2	बिजेन्द्र कुमार	सह-आचार्य	मध्यकालीन काव्य, कथा साहित्य, आधुनिक कविता
3	शशिकांत मिश्र	सह-आचार्य	आधुनिक काव्य पत्रकारिता, भक्ति काव्य और दर्शन
4	वन्दना शर्मा	सहायक आचार्य	कथा साहित्य एवं अन्य विधाएं
5	विनय कुमार शुक्ल	सहायक आचार्य	काव्य, गजल एवं अन्य विधाएं
6	रत्नेश कुमार यादव	सहायक आचार्य	कथा साहित्य, नाटक एवं अन्य गद्यविधाएं
7	अरविंद कुमार यादव	सहायक आचार्य	काव्य शैली विज्ञान एवं अन्य विधाएं, भाषा विज्ञान

## विभागीय कार्यशाला

12 फरवरी से 16 फरवरी, 2024 तक पांच दिवसीय नव लेखक शिविर का आयोजन



हिंदी दिवस 14-09-2023 को हिंदी की वैश्विक स्थिति पर आई आई एम सी के प्रो. दिलीप कुमार का विशेष भाषण



संकाय प्रकाशन "आई आई एस नं।/ आई एस बी एन नंबर." 2024 के दौरान

क्र.स.	शीर्षक		लेखक का नाम आई आई ए सन/ आई एस बी एन नहीं	प्रकाशन का वर्ष
1	समकालीन कविता और यथार्थ	प्रो. भारत भूषण	2277-9264	2024
2	वैश्विक मुद्दा : लैंगिक समानता और महिला सशक्तिकरण	प्रो. भारत भूषण	0974-1100	2024
3	राधावल्लभ संप्रदाय की कृष्ण भक्ति काव्य : गौडीय दर्शन	डॉ. शशिकांत मिश्र	2277-9264	2024
4	समकालीन सामाजिक व्यवस्था : चिंतन एवं चुनौतियाँ	डॉ. वंदना शर्मा	0975-735X	2023
5	आदिवासी शोषण और चेतना की गाथा	डॉ. वंदना शर्मा	2321-6131	2023
6	डॉ. शिव बहादुर सिंह भदौरिया का काव्य संसार	डॉ. रत्नेश कुमार यादव	2277-9264	2023

7	डुग्गर की लोक संस्कृति	डॉ. रत्नेश कुमार यादव	0975-735X	2023
8	राहुल सांकृत्यायन की तिब्बत यात्रा और बौद्ध संस्कृति का अन्वेषण	डॉ. रत्नेश कुमार यादव	2348-8425	2023
9	मुझे चाँद चाहिये' उपन्यास में उत्तर-आधुनिक सन्दर्भ जम्मू कश्मीर का सामाजिक और सांस्कृतिक वैविध्य	डॉ. रत्नेश कुमार यादव	2277-9264	2023
10	जम्मू कश्मीर का सामाजिक और सांस्कृतिक वैविध्य	डॉ. रत्नेश कुमार यादव	2277-9264	2023
11	मिट्टी से जुड़ा संस्कृति का महा ख्यान: मिट्टी के फल	डॉ अरविन्द कुमार यादव	2250-2335	2023
12	संबन्धों की जीवंतता पर कविता	डॉ अरविन्द कुमार यादव	2348-4977	2023

### छात्रों की उपलब्धियों का विवरण :

Sr. No.	Name	Batch	Year	JRF/NET/SET
1	अर्जुन सिंह	2021-2023	2023	SET
2	प्रीति हडोकर	2021-2023	2023	NET
3	नूरन निसार	2021-2023	2024	NET

## DEPARTMENT OF ENGLISH

Established in the year 2011, the Department of English has the same year of inception as that of the University. The Department offers degrees at M.A. and Ph. D. levels. Teaching pedagogy in the department is intensive which is done through Lectures, ICT based teaching, participatory sessions like Group Discussions, Film Screening, Paper Presentation, and Debate. Moreover, the Department provides mentoring to students both in and beyond the classroom in a wide variety of forums. Extension lectures, symposia, conferences and colloquia on interdisciplinary themes make up the calendar.

The Department is distinctive in exposing students to the interface of literature with other kinds of textuality in contemporary culture and society, and to the various possible applications of disciplinary skills. The Department is distinctive in offering:

- Translation Studies
- Comparative Literature
- Women's Writings Across Cultures

### VISION

To be a leading centre of higher learning in English studies integrating culture, knowledge and value system of Indian heritage with an inter-disciplinary and trans-disciplinary approach.

### MISSION

- To impart an in-depth teaching of English literature with substantial focus on emerging areas of study encompassing the diversity and range of all its literary manifestations in the contemporary world.
- To familiarize students to the tools of literary scholarship and sharpen their critical ability to interpret and evaluate all forms of literary expressions.
- To prepare students for employability in diverse areas by honing their professional competencies particularly in creative and translational skills.
- To foster a global worldview through a well structured curriculum and University/community partnership.
- To bolster the interface between technology and English studies.

### Faculty details :

S.No.	Name	Designation Professor	Area of specialization
1.	Prof. Vandana Sharma	Professor	Indian Literatures, Translation Studies, Environmental Humanities, Bhartiya Knowledge Traditions
2.	Dr. K. Rajesh	Associate Professor	Communication skills, Academic writing, Literary theory, Cultural studies, Indian literature, Dalit literature

3.	Dr. Neena Gupta Vij	Assistant Professor	Fiction, American Literature, Diaspora Studies, Folk and Myth Studies
4.	Dr. M.A.A. Farooq	Assistant Professor	Post Colonial Literature
5.	Dr. Raj Thakur	Assistant Professor	Cultural Studies, Popular Culture, Decolonial Studies
6.	Dr. Parveen Kumari	Assistant Professor	Dalit literature

International/National Seminars/Workshops/Webinars Organized in English Dept.

### Translation Day:

From 9<sup>th</sup> to 10<sup>th</sup> October 2023, students and faculty members of the Department of English observed and celebrated Translation Day. This two-day celebration featured talks by renowned scholars of translation, theatrical skits and recitals of works translated into English from another language by the students of the department.

On 9<sup>th</sup> October, Prof. Raj Kumar from Delhi University graced the department with his learned presence and guided the young inquisitive minds through the finer nuances of the task of translation, while on the following day, renowned Dogri translator and writer Shri Mohan Singh ji joined the observation of translation day with his insightful lecture on how languages must be preserved via the enriching process of translation.



### Eminent Lectures Organized.

On 10 October 2023, Sh. Mohan Singh, Padam Shree delivered a talk on “Dogri literature and Translation” in the Department of English, Central University of Jammu.

On 9 October 2023, Prof. Raj Kumar, Department of English, University of Delhi delivered a talk on “Indian Literatures in Translation” in the Department of English, Central University of Jammu. On 25 September 2023, Prof. Bhavtosh Indra Guru, Department of English, Dr. Harisingh Gour Vishwavidyalaya delivered an extension lecture on Philosophy and Aesthetics: Indian and Western. Extension lecture on the topic “Literature, Life, and Shakespeare” by Professor Dr. Utpala Ghaley Sewa (Rtd.) from Northeastern Hill University on 24 August, 2023.



### Papers Presented

Prof. Vandana Sharma presented a paper entitled, “ Literary Responses to Partition” in a National Seminar on Partition Horrors Remembrance Day held on 14 August, 2024 in the Central University of Jammu. Dr. Parveen Kumari presented paper (in-person) titled “English as second/third language in India: Methodology and Teaching Approaches” in 21<sup>st</sup> Asia TEFL International Conference (Asia TEFL 2023) held August on 17-20, 2023 at the Daejeon Convention Center in Daejeon, Republic of Korea

### Faculty Publications

#### Dr. K. Rajesh

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
	Dalit literature is Human literature	Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162	2023

#### Neena Gupta Vij

S.No.	Title of paper / Book	IISN NO. /RIN No. / ISBN No	Year of Publication
1	“Novel, Nation and Narration: A Retelling of the Rise and Fall of Hastinapur by Sharath Komarraju.”	<i>Meher Journal of English Studies</i> ISSN: 0975-8518	2023
2	“Pandemic 2020: Rethinking Ethical Questions.”	<i>The SPL Journal of literary Hermeneutics</i> ISSN: 2583-1674	2023
3.	<i>Mythological Fiction: An Introduction.</i> <i>Sarup and Sons</i>  The Novel and the Epic: Reading Indian Mythological Fiction/Retellings.”	ISBN:978-93-95975-07-0.	2023
4.	<i>Myths, Mythology and Mythological Narratives: Theories, Themes and Mythological Narratives.</i> Sarup and Sons, New Delhi  The Indian Stream of Consciousness: Mythology as Continuum	ISBN: 978-93-95975-06-3.	2023

**Dr. M.A.A. Farooq**

S.No.	Title of paper / Book	IISN NO. /RIN No. / ISBN No	Year of Publication
1.	“Iconoclastic Authorial Stands in Lajja, Shodh and Phera: Reading Religion Through Taslima Nasrin’s Skeptic Lens”	<i>World Wide Journal of Multidisciplinary Research and Development. E-ISSN: 2454-6615</i>	2023
2	“Laxman Gaikwad’s <i>Branded (Uchalya)</i> : Unwinding Dalit Consciousness and Dalit Aesthetics”	<i>International Journal of Research and Analytical Reviews. E-ISSN:2348-1269, April 2023, Vol 10, Issue 2. Impact Factor: 7.17</i>	2023

**Dr. Raj Thakur**

S.No.	Title of paper / Book	IISN NO. /RIN No. / ISBN No	Year of Publication
1.	“Bollywood celebrities as bioconsumers of reproductive technologies in neoliberal fertility markets: A study of popular public discourse”.	<i>International Journal of Cultural Studies. Sage U.K. 1367-8779</i>	2023

**Dr.Parveen Kumari**

S.No.	Title of paper / Book	IISN NO. /RIN No. / ISBN No	Year of Publication
1.	“Victims of caste and gender culture: the representation of Dalit women’s issues in Indian film narratives.”	<i>Sinestesieonline IL PARLARGGIO ISSN 2280-6849</i>	2023
2.	Book Chapter “Exploring Nigerian Women’s Feminist Concerns in Chinua Achebe’s Selected Short Stories.” In the edited book <i>Chinua Achebe: Voice and Vision</i>	ISBN 9789845063968	2023

## INVITED TALKS DELIVERED BY FACULTY

### **Prof. Vandana Sharma**

Resource Person in NEP Orientation and Sensitization Programme organised by UGC-Malviya Mission Teacher Training Centre (formerly UGC Human Resource Development Centre), Pt. Ravishankar Shukla University for the University/College teachers. On 7<sup>th</sup> February, 2024. Delivered talk on “Higher Education and Society: In Pursuit of Decolonisation”

Resource Person in NEP Orientation and Sensitization Programme organised by UGC-Malviya Mission Teacher Training Centre on the theme "*Student Diversity and Inclusive Education*" UGC-Malviya Mission Teacher Training Centres (MMTTCs), Central University of Jammu on 22 February, 2024 and delivered talk on “Handling Language Diversity in Classroom”

Resource Person in Skill Development Workshop on Translation in Indian Languages – Dogri from 11 -18 October, 2023 organised by National Translation Mission at University of Jammu. Conducted a session on Translating Literary Texts on 12 October, 2023.

Resource person in Workshop on Entrepreneurship Development Skills organised by EDC, Shri Mata Vaishano Devi University during August 2023. Conducted a session on the topic, Communication Skills for Entrepreneurs on 24 August, 2023.

### **Dr. Neena Gupta Vij**

Invited Talk in Webinar on “Personality Development and the Nature-Nurture Synergy” organized by the Department of English, JSS College of Engineering and Technology, NOIDA, on 23<sup>rd</sup> September, 2023.

Resource Person at the Two week Induction Programme (2023-24) for BE Engineering students, , at GCET Campus, Delivered a lecture on “Skills to Enhance Personality” on 12th September, 2023

Invited Lecture on “Re-imagining Mythology: A Postmodern Reading of Retellings” organized by the Department of English and Modern European Languages, University of Lucknow, on 1st August, 2023.

Keynote Speech in the One Day International Seminar on "Language learning and' Internationalization" organized by the Department of English Sardar Patel College on 22nd May, 2023.

### **Student Achievements**

1. Ananya Jodha, a student MA English programme Session 2021-23, has qualified UGC-NET Exam 18-01-2024.
2. StanzinDorjey a student MA English programme Session 2021-23, has qualified UGC-NET Exam 24-07-2023



# SCHOOL OF EDUCATION

## DEPARTMENT OF EDUCATIONAL STUDIES

The Department of Educational Studies at the Central University of Jammu stands as a beacon of excellence in the realm of education. With a rich history and a clear mission, this department has played a pivotal role in shaping the future of education in the region. Offering a wide array of academic programs, including undergraduate (B.A, B.Ed.), postgraduate (M.Ed.), and doctoral degrees in education (Ph.D.), the department provides students with a comprehensive and diverse learning experience. Its dedicated faculty, comprising experts in various educational domains, engages in cutting-edge research, furthering knowledge in the field of education. The department's research initiatives, collaborative projects, and contributions to educational literature have earned it a well-deserved reputation. With state-of-the-art facilities, including modern classrooms, well-equipped laboratories, and extensive libraries, students have access to resources that foster their academic growth. Engaging in outreach programs and community engagement, the department actively contributes to the local education ecosystem. Notable alumni continue to make significant strides in the field, and the department remains committed to addressing challenges and striving for continuous improvement as it embarks on a promising future of educational excellence within the Central University of Jammu.

### Faculty Details:

S.No.	Name	Designation	Area of specialization
1	Prof. J.N. Baliya	Professor	E-Content Development, Educational Technology, Curriculum Development, Quantitative Research Techniques
2	Prof. RituBakshi	Professor	Educational Sociology, Social Anthropology, Gender Studies
3	Prof. Asit K Mantry	Professor & Head	Educational Leadership, Integral Education, Value Education
4	Dr. Kiran	Assistant Professor	Inclusive Education, Teacher Education, Adolescent Education, ODL
5	Dr. Aman	Assistant Professor	Educational Measurement and Evaluation, Tribal Education, Quantitative Research
6	Dr. Ravi Vanguri	Assistant Professor	Teacher Education, Language Education, Educational Research
7	Dr. Yad Ram	Assistant Professor	Elementary Education, Secondary Education, Evaluative Studies of Educational Schemes and Programmes, Teacher Education
8	Dr. Mohan Galgotra	Assistant Professor	Educational Research, Educational Psychology, School Education, Teacher Education

International/National Seminars/Workshops/Webinars Organized in the Department (with two or three HD-quality photographs).

S.No.	Name of the Activity	Date/Duration
A	Two-day ICSSR-sponsored “National Seminar on Bharat-Centric Research: Opportunities and Challenges”,	03-08-2023 to 04-08-2023
B	Panel Discussion on NEP 2020: Restructuring Curriculum Provision: Prospects and Challenges	27-07-2023
C	Information Sharing Session on ITEP Alligned with NEP-2020	27-10-2023
D	ICSSR New Delhi sponsored a ten-day research methodology course on Bharat Centric Research in Social Sciences: Emerging Designs and Approaches	29-01-2024 to 07-02-2024
E	Workshop on Resume Writing	31-01-2024
F	Workshop on Interview Etiquettes	19-03-2024

#### Eminent Lecture/Extensive lecture organized.

S.No.	Title of the Lecture	Resource Person	Date
1	Career Opportunities and India and Abroad	Ms. Sunaina Gupta Land Mark Group, Dubai	30-09-2023
2	‘Power of Pen’ On the occasion of International Girls’ Child Day	Prof. Sanjeev Jain Hon’ble Vice-Chancellor, CU Jammu	11-10-2023
3	The Indian Tradition of Teacher Education and its Contemporary Relevance	Prof. Sanjeev Jain Hon’ble Vice-Chancellor, CU Jammu	18-10-2023
4	Significance of Collaborative Research in Social Sciences	Dr. Pawan Kumar Central University of Jammu	12-12-2024
5	Shiksha Shashtraarth on Scientific Writing	Dr. Seema Thaapa University of Nagaland	02-02-2024

#### Outreach Awareness Program Organized

S.No.	Name of the Activity	Date/Duration
A	Mera Pehla Vote Desh K liye	12-03-2024

#### Field Trips/Industrial Visit / Educational Visit

S.No.	Name of the activity	Dates / Duration
I	Internship-cum-Field Visit Jiger Institute of Education Training & Rehabilitation, Jammu	09-11-2023
II	School Internship Programme Govt. Higher Secondary School, Jakh, Samba	10-11-2023

Memorandums of Understanding Signed: An MoU is proposed to be signed with the Department of School Education, Govt. of Jammu Kashmir.

**Faculty Achievements during 2024:**

**Patents/IPR/Copyright in last year (Till April 2024) & Proposed in Coming Academic Session (2024-25)**

Name of the Teacher	Patent Number	Title of the Patent	Year of Award / publication of patent
Prof. Asit K. Mantry	202311078831A	System And Method for Assessing Instructiveness of Offline Classroom	2023
Prof. J.N. Baliya	L-130248/2023	Hybrid Model With Optimal Peer Engagement (HOPE)	2023
Prof. J.N. Baliya	L-134607/2023	MBCD Scaffolding Model For Potential Development of Technological Pedagogical And Content Knowledge Competence	2023
Prof. J.N. Baliya	L-134623/2023	Quadrant Model For Institutional Development (QMID) For Enhancing Technological Pedagogical And Content Knowledge Competencies	2023
Prof. J.N. Baliya	L-145833/2024	Four 'I' Cyclic E-Assessment Competency Model for Teachers	2024
Prof. J.N. Baliya	L-146529/2024	Comprehensive Professional Development Framework for Teachers Teaching Through Blended Mode	2024

**Faculty Publications with "IISN NO. /RIN No. /ISBN No." during 2023-2024**

S.No.	Name of the Authors	Name of the Journal	ISSN No	Year/ month of Publication
1.	Prof. J.N Baliya	Information	0976-0997	2023
2.	Prof. J.N Baliya	Indian Journal of Natural Sciences	0976-0997	2023
3.	Prof. J.N Baliya	Indonesian Journal of Electrical Engineering and Computer Science	0976-8203	2023
4.	Prof. J.N Baliya	MIER Journal of Educational Studies, Trends and Practices	2502-4752	2023
5.	Prof. RituBakshi	Asian Journal of	2581-6268	2023

		Education and Social Studies		
6.	Prof. RituBakshi	International Journal For Multidisciplinary Research	2582-2160	2024
7.	Prof. RituBakshi	International Journal of Multidisciplinary Research	2582-2160	2023
8.	Prof. RituBakshi	Indian Journal of Natural Sciences	0976-0997	2023
9.	Prof. RituBakshi	International journal of multidisciplinary research	2582-2160	2023
10.	Prof. Asit K. Mantry	Shodhvarta	2583-8938	2023
11.	Prof. Asit K. Mantry	World Journal of Advanced Research and Reviews	2581-9615	2023
12.	Prof. Asit K. Mantry	ThirdConcept	0970-7247	2024
13.	Prof. Asit K. Mantry	ThirdConcept	0970-7247	2024
14.	Prof. Asit K. Mantry	Sanshodhak	2394-5990	2024
15.	Dr. Kiran	World Journal of Advanced Research and Reviews	2581-9615	2023
16.	Dr. Kiran	Indian Journal of Natural Sciences	0976-0997	2023
17.	Dr. Kiran	Indian Journal of Natural Sciences	0976-0997	2023
18.	Dr. Kiran	Indian Journal of Natural Sciences	0976-0997	2023
19.	Dr. Kiran	Indian Journal of Natural Sciences	0976-0997	2024
20.	Dr. Aman	Indian Journal of Natural Sciences	0976-0997	2023
21.	Dr. Aman	Shodh-Sari An International Multidisciplinary Journal	2959-1376	2023
22.	Dr. Aman	SHODHAK A Journal of Historical Research	0302-9832	2023
23.	Dr. Aman	Insight Journal of Applied Research in Education	0975-0665	2023
24.	Dr. Aman	Indian Journal of Natural Sciences	0976-0997	2023
25.	Dr. Ravi Vanguri,	Indian Journal of Natural Sciences	0976-0997	2023
26.	Dr.RaviVanguri,	Indian Journal of Natural Sciences	0970-7247	2023
27.	Dr.RaviVanguri,	Third Concept	2454-4469	2023
28.	Dr. Ravi Vanguri	Education and Society	0726-2655	2024



29.	Dr. Ravi Vanguri	Annals of the Bhandarkar Oriental Research Institute	0378-1143	2024
30.	Dr. Mohan Galgotra	YMER	0044-0477	2023
31.	Dr. Mohan Galgotra	Annals of the Bhandarkar Oriental Research Institute	0378-1143	2023

### Details of Research Projects

S.No.	Name of the Faculty	Year of Sanction	Title of the Project	Funding Agency	Status of Projects
01	Prof. J.N Baliya	2023	Impact Study of Pradhan Mantri Jan Arogya Yojana (PM-JAY) as an Initiative under Ayushman Bharat on Financial Protection, Job Creation and Social Empowerment among the Beneficiaries from Jammu & Kashmir and Ladakh	ICSSR	Completed
02	Prof. J.N Baliya	2023	Pedagogical Integration of Dogra Culture and Heritage Content in Indian Knowledge System (IKS) Perspective as envisioned in NEP 2020	IKC	Under Progress
3	Prof. Ritu Bakshi, Prof. Asit Mantry, Prof. JN Baliya, Dr. Kiran, Dr. Aman, Dr. Ravi Vanguri, Dr. Yad Ram and Dr. Mohan Galgotra	2024	Promoting Swavlambi Bharat by Branding Terracotta Art of Jammu and Kashmir: A Roadmap to Viksit Bharat"	ICSSR	Under Progress

### Details of Students Achievements

S.No.	Name of the Students	JRF/ NET	Year of Qualifying
i.	Sonali Sagotra	NET	2023
ii.	Vivek Kumar	NET	2023
iii.	Varuna Singh	NET	2023



Hon'ble Vice Chancellor Prof. Sanjeev Jain felicitates Ms. Kesang Yangzom Sherpa



Hon'ble Vice-chancellor Prof. Sanjeev Jain is being welcomed by the Department on the occasion of *ShikshaShastraarrth* Inauguration (18-10-2023)

# SCHOOL OF HUMANITIES & SOCIAL SCIENCE

## Department of Economics

Long-term objective of the Department is to cultivate an environment conducive to resolving global/ national/ rural issues and disseminating their applications at the local level through economic modeling and related means. Education consistent with a commitment to the highest standards of scholarship is the goal of the Department.

Faculty details:

S.No.	Name	Designation	Area of specialization
1	Prof. Aswini Kumar Nanda	Professor & Head	Demographic Analysis, Migration Studies, Population Ageing, Survey and Data Systems, Health Economics, Social Sector Economics.
2	Dr.Shaveta Kohli	Associate Professor	Development Economics, Gender and Development, Rural Development, Agricultural, Mathematical Economics
3	Dr.Susanta Nag	Assistant Professor	Health Economics, Applied Econometrics, Time Series Econometrics, Mathematical Economics
4	Ms. Preeti Gupta	Assistant Professor	Development Economics, Public Finance
5	Mr. Anil Kumar Bharti	Assistant Professor	Economics of Rural Development, Labour Economics
6	Dr. Vishal	Assistant Professor	Health Economics, Population Studies, Indian Economy, Statistical methods and softwares

Faculty Achievements during 2024. Prof. A K Nanda, Dr. Shaveta Kohli and Dr. Vishal has completed a Major Project awarded by Indian Council of Social Science Research on “Sukanya Samriddhi Yojana (SSY) in Rural Jammu and Kashmir: An Empirical Diagnostic Evaluation of Conditional Cash Transfer (CCT) to young age girls in most backward districts of Jammu region” vide sanctionnumber100/CRP-2023-2368/SSY/SCD (14 Lac)

## Faculty Publications with “IISN NO. /RIN No. /ISBN No.” during 2024

S.No.	Title of paper / Book	IISN NO. /RIN No. / ISBN No	Year of Publication
1	Empowering Women: Cooperatives as Catalysts for Gender Equity	Vol.61 No. 11 Published by National Cooperative Union of India, Ministry of Cooperation	2024
2	Financial Performance Analysis of State and District Central Cooperative Banks in Northern India	0975-8380	2023
3	Measuring Components of Out-Of-Pocket Health Expenditure on Elderly during 365 days reference period in Haryana	2584-0029	2024
4	Married daughters' contributions to elderly parents' well-being: Evidence from Haryana, India”	978-981-16-1914-4	2023
5	Educational Attainment and Intergenerational Mobility in India: Evidence from NSS 75th Round Survey Data	1741-8992	2024
6	Intergenerational Transmission of Human Capital in India: Exploring the Impact of Adult Children's Education on the Health of Elderly Parents	1681-8997	2024 (Paper Accepted)

## Details of Research Projects under

Year of Sanction	Funding Agency	Status of Projects
<i>Sukanya Samriddhi Yojana</i> (SSY) in Rural Jammu and Kashmir: An Empirical Diagnostic Evaluation of Conditional Cash Transfer (CCT) to Young Age Girls in Most Backward Districts of Jammu Region,2023	Funded by the Indian Council of Social Science Research (ICSSR), New Delhi	Project Completed in 2024.



## Public Policy and Public Administration

The Department of Public Policy and Public Administration at the Central University of Jammu was founded in July 2013. In that same year, the department introduced an Integrated Ph.D. course and four elective courses at the master's level, catering to students from various disciplines. The Master's in Public Policy and Public Administration program began in the academic year 2014-15, and subsequently, the department initiated a direct Ph.D. program starting from the academic year 2016.

Recognizing its vast potential, the department is poised for excellence in all its academic pursuits, aiming to integrate the latest developments in the discipline by offering high-quality professional development opportunities for students in both the public and private sectors. At present, Prof. SantapSanhari Mishra is the Head of the Department.

### Faculty details:

S.No.	Name of the Faculty	Designation	Area of Specialisation and Research Interests
1.	Prof. SantapSanhari Mishra	Professor and Head	Leadership, Public Policy Implementation, Good Governance, Sound Governance, E-governance and Social Research Methods
2.	Dr.Rouchi Chaudhary	Associate Professor	Governance and Policies Issues, Comparative Administration, Urban Governance, Police Studies, Research Methods
3.	Dr. Mohit Sharma	Assistant Professor	Administrative Thought, Corporate Governance, Research Methodology, Statistical Methods, Public Policy
4.	Dr. Sushil S. Kamble	Assistant Professor	Social Justice, Affirmative Action Policies, Administrative Reforms, Rural Local Government
5.	Mr. Indra Pratap	Assistant Professor	Governance and Management, Indian Administration, Public Policy and Local Governance
6.	Mr. Jai Bhawani Singh	Assistant Professor	Dynamics of Indian Politics and Public Policy

**Faculty Publications with “IISN NO. /RIN No. /ISBN No.” during 2024**

<b>S.No.</b>	<b>Title of Paper / Book</b>	<b>IISN No. /RIN No. /ISBN No.</b>	<b>Year of Publication</b>
1.	Organizational justice, job satisfaction and academic rank: a moderating mediation study on employee commitment in Ethiopian public universities	African Journal of Economics and Management Studies (Emerald) ISSN: 2040-0705	2024
2.	Transparency in public-private partnership in India: A study of the health sector	Public Affairs and Governance ISSN: 2321-2136	2024
3.	Administrative Reforms in India: A Contextual Analysis of Sixth Report of Second ARC	Public Administration ISBN: 978-81-91708	2024
4.	Community Policing in Jammu and Kashmir: Building Public Trust and Cooperation	Development of Public Administration in India: Challenges and Solutions ISBN: (978-93-95104-98-2	2024
5.	Contemplation of Right of Social Security in India: A Critical Review of National Social Assistance Program (NSAP)	Indian Journal of Political Science ISSN: 0019-5510	2023
6.	Servant Leadership and Employee’s Job Performance: The Role of Public Service Motivation in Ethiopian Public Sector Organizations	International Journal of Public Leadership (Emerald) ISSN: 2056-4929	2023
7.	Disaster Management in Jammu& Kashmir: Tracing the History of Relief and Rehabilitation Amidst Destruction	Springer ISBN: 978-981-16-8800-3	2023

## Department of Social Work

Social work is an interdisciplinary course based on the humanitarian principle of social justice, human rights, equality and solidarity with the vision of creating an egalitarian society. Amelioration of human sufferings with a scientific outlook lies at the helm of this course. It is a multidisciplinary course which is driven by the theories from disciplines like sociology, psychology, economics, philosophy, anthropology and environmental science. The course utilizes scientific methods that can be applied while dealing with problems at the individual, group and community level.

Social work is a practice-based profession which emphasizes upon the inculcation of ethics and values amongst the students while working with people in practical settings. It is because of this purpose, continuous training throughout the course becomes its essential feature. Social work students get engaged in extensive and rigorous field work training within the community with direct interventions or through various national and international developmental organizations and government institutions. It eventually equips the students to address various social issues and concerns.

At Central University of Jammu, Social Work was introduced at Post Graduation level in the year 2014 with current intake capacity of 30 students. The department also offers PhD programme where students from diverse disciplines engage on rigorous research. Currently eight doctoral candidate are pursuing their PhD in the department. Selections for PG and PhD, are made through national level CUCET entrance examination annually.

Currently, the department has a total faculty strength of four Assistant Professors and an Associate Professor from diverse academic backgrounds and specializations.

### Faculty details:

S.No.	Name	Designation	Area of specialization
1	Dr. Nancy Mengi	HOD, Associate Professor	Women Issues and Empowerment, Child Protection, Health and Mental Health, Urban Development
2	Dr. Bhat Iqbal Majeed	Sr. Assistant Professor	Tribal Health, Gender Issues, Nomadism, Public Health and Rural Development
3	Dr. Vinay Kumar	Sr. Assistant Professor	Climate Change Adaptation, Disaster Management, Community Engagements, Corporate Social Responsibility

4	Dr. Ranvir Singh	Sr. Assistant Professor	Social Exclusion, Vulnerability Assessment, Equity in Health Care Provisioning and its Access, Social Determinants of Health, Food Security, Social Movements, Eco-System Services, Discordant Internet Usage, Geospatial Linkages to Developmental Concern and Human Geography
5	Mr. Fateh Lal Bheel	Assistant Professor	Natural Resource Management, Rural Development and Tribal Development related issues

### **International/National Seminars/Workshops/Webinars Organized in Department**

Department of social work under the patronage of vice chancellor organized a Three day Research Methodology workshop. Invited speakers included Dr Anil Kumar Tiwari from Department of Philosophy and Culture, SMVDU, Prof. Anil Gupta from The School of Business Studies, University of Jammu, Dr Hema Gandotra from Department of Sociology, University of Jammu. Dr Amit Verma from Department of Journalism and Mass Communication, Manipal University who delivered lecture on systematic literature review and bibliometric analysis and Dr Bharti Gupta from department of Travel and Tourism Management, CentralUniversity of Jammu who delivered lecture on ethics in research and hands on training session on Nvivo software. Prof Manish Sharma from Department of Statistics and Computer Science, SKUAST who spoke on various statistical tests and analysis techniques.

Regional Consultation on World Food Day, 16<sup>th</sup> October, 2023 On the occasion of World food day, department of social work, CentralUniversity of Jammuorganised a regional consultation on theme “Regional consultation on diversity of Indian food systems: contemporary issues and challenges”. The conveners of the consultation are Dr. Ranvir singh and Dr. Bhat Iqbal. The consultation was formally started by welcome address by Dr. Nancy Mengi. The consultation had three sessions capturing the diversity knowledge scapes by experts from disciplines of ayurveda, botany, Agriculture, tribal culture, regional organisations and social work. First session was based on food, Agrobiodiversity and traditional knowledge; understanding the triad. The session had Dr. Sanjeev kumar from SKUAST, Jammu, Dr. Vasantkohli Sr, dietician from, Jammu and Ranjoy Gupta, research scholar from department of social work, CentralUniversity of Jammu as panelists. . The session was moderated by research scholar, Jaspreet singh. Second session was based on food, culture and ethnobotanical diversity; reflections from the field which had Dr Samantha from department of botany, CentralUniversity of Jammu, Javiadrahi, tribal researcher and social activist and professor Hariramamurthi from Bengaluru as panelists. This session was moderated by research scholar, suhel. The third session was based on insights on food: health, policy and market interlinkages. The session had Dr, Vikas Bajpai from centre of social medicine, CSMCH, JNU and Dr.



Vikas Gupta from Jammu institute of ayurveda and research as panel members. The session was moderated by research scholar Joji Abraham.



One day session on World Suicide Prevention Day, 11<sup>th</sup> September, 2023

On September 11<sup>th</sup> 2023, a half-day awareness campaign was held in observance of World Suicide Prevention Day. The theme of the programme was "Creating Hope through Action." The program included a seminar session by Mr. Remesh Krishnan, Psychiatric Social Worker, followed by a panel discussion by faculty members chaired by Dr. Nancy Mengi, HOD Social Work. An Awareness rally and Candlelight vigil were also carried out as part of the programme.

#### **Eminent Lecture/Extensive lecture organized.**

Thursday Mind Meet, October 26<sup>th</sup> 2023 Department of Social Work, Central University of Jammu Hosts Transformative Thursday Mind Meet Program on Mental Health *on October 26, 2023*: Under the esteemed patronage of the Central University of Jammu, the department of social work organized an insightful program titled "Thursday Mind Meet" on October 26, 2023, at 3:00 pm. "Transitioning of mental discourse from individual concern to public health concern". The session was formally introduced by Dr. Nancy Mengi, the Head of the department of social work where Dr. Aswini Kumar Nanda, HOD of the Department of Economics, assumed the role of the session's chairperson, ensuring a smooth flow of discussions.

The panel consisted of esteemed speakers who shared their expertise on various facets of mental health: Dr. Ankita Choudhary, a prominent Psychologist from the Department of Paediatrics, GMC, Doda, delivered a comprehensive talk on "Overview of mental health from a global context with a focus on human rights." Miss Sonakshi Gupta, a dedicated P.G. student from the Department of Social Work, addressed the audience on "Mental health challenges in a global and Indian context". Mr. Joji Abraham, a research scholar from the

department of social work, shared an enlightening presentation on "Mental health as a public health concern: scope and initiatives."



### **Outreach Awareness Program organized:**

**Session on Domestic Violence:** Students from social work department organized a Domestic violence session in Meensarkar village on 27<sup>th</sup> October, 2023. Social worker, Special cell for women, Ms. Kajal was chief guest of the session.

**Session on Women Empowerment:** Social work trainees from the CentralUniversity of Jammu on 3<sup>rd</sup> November organized an awareness program in Ranjari village focused on women empowerment. This initiative was a collaborative effort between the Social Work Department and the District Hub for Empowerment of Women in Samba. In total, there were 54 participants, consisting of 36 women, 3 men, 5 PhD scholars, and 10 students, making this a comprehensive and impactful initiative to promote women's empowerment and gender equality in Ranjari village. This collaborative effort by the CentralUniversity of Jammu and the District Hub for Empowerment of Women in Samba served as a valuable platform for raising awareness and promoting positive change in the Ranjari village community. Parallel event on the same day was held Community Hall, Patti village and Panchayat Ghar, Barjani village on theme women's protection and safety.

**International Disability Day:** Social work trainees, Maya and Ashraf from CentralUniversity of Jammu under the supervision of Dr. Ranvir Singh (faculty supervisor) and Ms. Vidushi Sharma (Agency supervisor) placed in Children in India, has successfully organized a Disability Canvas Campaign aimed at fostering inclusive education at the Govt. Girls secondary school Shastri Nagar, Jammu on 29 of Nov 2023 on the account of International Disability Day.

**Awareness session on women hygiene and menstruation:**A session at Rahya Village, Vijaypur Block, Samba was organized on 05-01-2024 by M.A. Social work Sem II student Kiran Jain. This awareness session was on women hygiene and menstruation with the help of SHG Cluster Coordinator Reena. Total number of girls

attended the session were 12. Session went successful as girls ended up sharing their experiences and asking queries related to it.

**Awareness Programme on Skill development and Employment:** Awareness program on skill development and employment organised by the students of M.A. Social work Sem II(Thanu, Abin Sam, Ajmal, Surumi)at Ranjri village on 16th February 2024 in collaboration with District Employment Career Counseling Centre Samba. It was attended by 25 number of participants.

**Awareness Session on Menstrual Hygiene at RahyaVillage:**Awareness session on menstrual hygiene was organised at Govt. RSM HSS Rahya, Samba by the students of M.A. Social work Sem II Kiran Jain, Shafaque Khan, Murshida and Amana Niswa on 16th Februray 2024. It was attended by 58 students.

**Awareness Session on Menstrual Hygiene at Rajinderpura:** Awareness session on menstrual hygiene was conducted in Rajindrapura (Bakarwal colony) by the trainee StanzinNorboo and Nahna K.A on 22<sup>nd</sup> February 2024 in collaboration Live for Other-Being Helpful Foundation(LFO-BHF). Sanitary napkins were distributed among the female participants. It was attended by 30 participants.

**Good Touch – Bad Touch:** Session on ‘Good Touch- Bad Touch’ at Meen Sarkar Village, Purmandal Block, Samba by students of M.A. Social work Sem II Thoufeer and Rabia Kousar on 28-02-2024



**Livelihood Orientation:** On March 1st 2024, Social Work Trainee Amana Ikhlaq, Christina Rose George and Shahin KP organised a livelihood orientation programm at Badhori village. In this commendable initiative, the Social Work Department of the CentralUniversity of Jammu provided the necessary support in coordinating this programme. The resource persons in this programme were invited from District Hub for Empowerment of Women (DHEW) Centre Samba. The focus of the event was the livelihood orientation of women, awareness related to various government schemes for widow women, old women, education loans for youth, sensitization for drug-deaddiction and skill training for Self Help Group (SHG) women.



International Women's Day: On March 15, 2024 an awareness session on waste management was conducted at Patti village by the Social Work trainee Sajil, Bhavya and Fareeda under the guidance of Mr. Fateh Lal Bheel with Rohini Sharma from the Information, Education, and Communication (IC) Department of the Municipal Committee Bari Brahmana. Ms Rohini Sharma's expertise and insights shed light on the importance of proper waste disposal and its impact on the environment. An enthusiastic turnout of 70 individuals from the community marked the success of the event. The attendees actively engaged in discussions, showcasing their eagerness to learn and contribute towards sustainable waste management practices.



In honour of International Women's Day and in alignment with this year's theme of "Inspiring Inclusion," M.A. Social work Sem IV student Makhnu Devi, in collaboration with the Field Work Unit Department of Social Work at the Central University of Jammu, orchestrated a full-day awareness camp at Khada Madana, Block Purmandal, Jammu and Kashmir. The event garnered enthusiastic participation from over 110 attendees, including local women, social work trainees and research scholars from the department. The resource persons were Mrs Anuradha from the District Hub for Empowerment of Women, Miss Qazi Insha Akeel, Miss Arti and Miss Ankita, Counsellors and Case Workers from the One Stop Centre, Mrs Purnima Rana from JK Bank, Miss Kajal from the Special Cell for Women, Miss Arti, Cluster Coordinator from JKRLM (UMEED).

Awareness session on waste management was conducted at Patti village: Awareness session on waste management was conducted at Patti village by the trainee Sajil, Bhavya and Fareeda on 15th March 2024 in collaboration with Information, Education, and Communication (IEC) Department of the Municipal Committee Bari Brahmana. An enthusiastic turnout of 70 individuals from the community marked the success of the event. The attendees actively engaged in discussions, showcasing their eagerness to learn and contribute towards sustainable waste management practices.

Health Awareness session on Nutrition: A session was organized at Rahya Village, Vijaypur Block, Samba on 27-03-2024 by M.A. Social work Sem II student Kiran Jain. This was an awareness session on role of



minerals and vitamins in women's health in medical camp organized in village Rahya, Bagla in collaboration with Sun Pharma Community Health care Society Jammu. Resource person was Dr. Chahat Sharma with 2 ANM nurses.

Awareness Session on Waste Management at village Fallah: Awareness Session on Waste Management was conducted at Fallah Village by the Social work trainees , Sana , Praveen and Fiza on 27th March 2024 in collaboration with Municipal Committee Bari Brahmana. More than 45 people participated, including children, elderly people and women.

### Social Work Camp Report 2023

Social Work Camp 2023 report "Contours and Social Realities of Rural Punjab" sheds light on the multifaceted dynamics of rural life in Punjab, offering a comprehensive analysis curated by esteemed Faculty and Students in the field.

This report is edited by Dr. Ranvir Singh then Director of Fieldwork Unit at the Department of Social Work, Central University of Jammu, under whose supervision a team of 50 social work students, research scholars and faculty members visited Youth Football Club at Rurka Kalan, Punjab for a week-long Social Work Camp. The report delves deep into the intricacies of rural communities, highlighting their challenges, strengths, and social structures. Dr. Singh's expertise and dedication have played a pivotal role in compiling this invaluable resource.



## Comparative Religion and Civilization

The academic study of Religions was understood by nineteenth century scholars to be a 'scientific' discipline based on observation and objective analysis just as the other sciences were. A Science of Religion, based on an impartial and truly scientific comparison of all, or at all events, of the most important, Religions of mankind, is now only a question of time. It becomes the duty of those who have devoted their life to the study of the principal Religions of the world in their original documents, and who value and revere it in whatever form they may present them self, to take possession of this new territory in the name of true science. The Centre for the study of Comparative Religions and Civilizations is one of the very few institutions of its kind in this country and we, at CentralUniversity of Jammu, are proud to keep it running. The Center was established in July, 2016.

### Faculty Details :

S.No.	Name	Designation	Area of Specialization
1.	Dr. Ajay Kumar Singh	Senior Asst. Prof	Comparative Study of Religions, Buddhism, Jainism, Gandhian and Peace Studies, Kashmir Shaiva Philosophy, Vedic Philosophy, Indian Dharma and Culture, Pali Language and Literature, Diaspora and Trans-national Cultural Studies, Contemporary Indian Political Philosophy.
2.	Dr.Amita Gupta	Asst. Prof	Ancient Indian History, Culture, and Archaeology
3.	Dr. Ashwani Kumar	Asst. Prof	Pali Literature, Buddhist Philosophy, Buddhist Ethic
4.	Dr. G V Snigdha Raj	Asst. Prof	Anthropology of Religion, Tribal Studies, Ethnographic Studies, Cultural Studies
5.	Dr. Arvind Rituraj	Associate. Prof	Buddhism, Religious studies, Communication
6.	Dr.Niranjna Bhandari	Professor	Religion and Society, Health and Population

### Faculty Publication

Dr. Amita Gupta

S.No.	Title of paper/Book	IISN N0./RIN No./ISBN No	Year of Publication
01	Socio-Cultural Role of Muslim Women in the Sultanate Period, Rafia Ashraf Bhat, Dr Amita Gupta, Journal of the Asiatic Society of Mumbai, UGC-CARE Listed, Publisher: The Asiatic Society of Mumbai, Mumbai.	0972-0766	2023

02	Pioneering Trade: The Malda Factory's Role in English East India Company's Foray into Bengal and its Technological Implications (1680-1705), Educational Administration: Theory and Practice 30 (5):1950-5.	2148-2403	2024
03	Tracing the Path to Sustainability: A Study on Domestic Electricity Consumption, Historical Overview of Renewable Energy Resources, Transitioning to Sustainable Energy Sources, and Its Impact on Health.,BIO Web of Conferences (2024).	01057	2024
04	Challenges and Economic Hurdles in Digital Age: A Study of Salar Jung Museum, India.”, Boletín De Literatura Oral Volume-11, Pages 113-119, Publisher Universidad de Jaen. 2024.	2173-0695	2024
05	Hyderabad in Transition: (1948-1956)– A Case Study of Social Reconfiguration of the Asaf Jah Nobility, Educational Administration: Theory and Practice 30 (4):5812-18, Publisher: Auricle Global Society of Education and Research.	2148-2403	2024
06	Nobility of Delhi Sultanate and Their Literary Pursuits: A Case Study of Minhaj Al Din Siraj Juzjani. (2024). Educational Administration: Theory and Practice 30 (5):1950-57.	2148-2403	2024

Dr. Arvind Rituraj

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
1.	Hindu Dharam ki Ruparekha Pali Grantho ki Punjabi me Sampadan,	9789386081360	2024
2.	Lipyantaranevamanuvada ki Samasyayen (ShodhSamalochan Journal)	2348-5639	2024

#### Achievement of Students :

1. SohailQuyoom - ICSSR
- 2.NarottamKushwaha - JRF
3. Naresh Kumar - JRF
4. Rohit Kumar - JRF

# SCHOOL OF NATIONAL SECURITY STUDIES

## National Security Studies

The Department of National Security Studies was established in the year 2013 with the mandate to promote teaching and research in the field of security and international studies. As India is poised to play a more proactive role in the international arena in order to sustain its economic growth and social development, it has to be prepared to confront multiple security challenges emanating from different levels.

The Department is committed to prepare the next generation of scholars, experts and leaders on security and international studies. Located in the state of Jammu & Kashmir (J & K), which is considered as a security and strategic hot spot of South Asia, it has inherent potential to promote academic research as well as policy analysis on issues related to national, regional and international security.

It would provide a platform for all the stakeholders to engage in constructive dialogue and debate on issues related to national security and strategy. Apart from the uniquely designed curricula, students and scholars of the department are introduced to policy analysis using innovative teaching and research skills along with field visits. The Course syllabus of MA Programme and Ph.D. includes interesting and emerging areas of focus in the field of Security Studies, like Security Sector, Governance and Management, Conflict Resolution, Gender, Conflict and Security, Border Management, Warfare in the 21<sup>st</sup> Century, Strategic Thought, Globalisation and Geo-Politics in addition to regular interdisciplinary papers on Indian Foreign Policy, Strategic Studies, International Relations, Research Methodology etc.

### Vision and Mission

The Department of National Security Studies aspires to emerge as a centre of excellence in the field of security and international studies in the country by promoting rigorous research and teaching. It intends to generate alternative and innovative national security discourse through an interdisciplinary approach and by providing platforms to various stakeholders (policymakers, armed forces, media, and civil society) to engage intellectually on issues concerning India's security and foreign policy.

### Faculty Details

S.No.	Name	Designation	Area of specialization
1	Dr. R Sudhakar	Associate Professor	Disarmament and Peace Studies, Comprehensive Security, Non-Traditional Security, Maritime Security
2	Dr. Neeta Rani	Associate Professor	India-Central Asia Energy Cooperation
3	Dr. Ekta Manhas	Assistant Professor	Conflict Dynamics (Militarization, Radicalization, Transformation), Transnational Terrorism, Regional Conflicts/Politics (West Asia, South Asia)



4	Dr. Anuradha Choudhary	Assistant Professor	National Security of India, Internal Security Problems, Non-traditional Security, India-China Relations, Disaster Management, Tibetan Refugees and Geopolitics
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### Details of Memorandum of Understanding signed:

Memorandum of Understanding (MoU) with reputed policy research think-tanks like Indian Council for World Affairs (ICWA), New Delhi for exchange of visits by eminent persons, co-sponsoring of bilateral seminars, symposiums, group discussions on regional and global issues of mutual interest and Exchange of publications.

### Faculty Achievements

Dr. R. Sudhakar	<ul style="list-style-type: none"> <li>• Attended Faculty Development Programme (FDP) on “Holistic and Multidisciplinary Education-NEP 2020 Orientation and Sensitisation (Programme Code: MMC-035-2023-DEC-A-00653)” organised by UGC-Malviya Mission Teacher Training Centre, Central University of Jammu held on 11<sup>th</sup> to 19<sup>th</sup> December 2023.</li> <li>• Completed Swayam Online four-credit course on “MGPE-010: Conflict Management Transformation and Peace Building” course offered by Indira Gandhi National Open University (IGNOU), New Delhi in October 2023.</li> <li>• Attended One Week online International Faculty Development Programme on “Smart-Future Technologies in AI/ML &amp; Data Analysis” organized by the Department of Information Technology &amp; Engineering, Amity University in Tashkent (Uzbekistan) held on 03<sup>rd</sup> to 07<sup>th</sup> April 2023.</li> <li>• Resource Person and Chaired a session online on Multidisciplinary Research in a National Conference on Multidisciplinary Research &amp; Innovation for Sustainable Development 2023 (NCMRISD) organized by Research Cell &amp; IQAC, Netaji Subash University, Jamshedpur held on 06<sup>th</sup>-07<sup>th</sup> July 2023.</li> <li>• National Delegate in Y20 International Seminar on “Peace-Building and Reconciliation: Ushering in an Era of No War” organized by University of Jammu Youth 20 Consultation in Collaboration with Ministry of Youth Affairs and Sports, Government of India held on 18<sup>th</sup> to 19<sup>th</sup> April 2023.</li> </ul>
Dr. Neeta Rani	<ul style="list-style-type: none"> <li>• Appointed as an Associate Professor in the Department of National Security Studies, Central University of Jammu through Direct Recruitment.</li> <li>• Completed online course on Disaster Management</li> </ul>
Dr. Ekta Manhas	<ul style="list-style-type: none"> <li>• Paper Accepted for the Presentation “Nuclear-Deterrence and Conventional Conflict between India and Pakistan”, at the World International Studies Committee (WISC) Convention 2024, Warsaw, Poland, July 24-26 2024.</li> </ul>

	<ul style="list-style-type: none"> <li>• Paper Accepted for the Presentation “Addressing the Discontents of Liberal International Order: Perspective from India”, at the World International Studies Committee (WISC) Convention 2024, Warsaw, Poland, July 24-26 2024.</li> <li>• Invited as a discussant in a book panel, “Otherwise Human: Human and Humanitarian Rights Tradition”, (Forthcoming) authored by Prof SibaN’ZatioulaGrovgui (Cornell University), Warsaw, Poland, July 24-26 2024.</li> <li>• Completed the Faculty Development Program titled “NEP 2020 Orientation &amp; Sensitization Programme” under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC), organized by the CentralUniversity of Jammu from 9-18 January 2024.</li> <li>• Completed the Faculty Induction/Orientation Programme titled "Faculty in Universities/Colleges/Institutes of Higher Education, organized by Ramanujan College, University of Delhi, from 22 January to 20 February 2024.</li> </ul>
Dr. Anuradha Choudhary	<ul style="list-style-type: none"> <li>• Completed the Faculty Development Program titled “NEP 2020 Orientation &amp; Sensitization Programme” under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC), organized by the CentralUniversity of Jammu from 9-18 January 2024.</li> <li>• Completed the Faculty Induction/Orientation Programme titled "Faculty in Universities/Colleges/Institutes of Higher Education, organized by Ramanujan College, University of Delhi, from 22 January to 20 February 2024.</li> <li>• Appointed as Co-supervisor of Mr Stanzin Namgial, PhD scholar in the subject of Defence and National Security Studies, Panjab University, Chandigarh, on 19<sup>th</sup> March 2024.</li> </ul>

### Faculty Publications

S.No.	Name	Title of Paper/ Book	IISN No./ ISBN No.	Year of Publication
1.	Dr. R Sudhakar	Analyzing Disaster Risk Reduction Approach and Opportunities for Enhanced Relations in the Indian Ocean-An Analytical Study of India’s Soft Power Dynamics in the Region	0976-0997	April 2024

		Privately Contracted Arms Security Personnel in Indian Ocean Region: An Analysis of Vulnerabilities and Resilience in South Asia and Horn of Africa	2582-9645	Sep 2023
		Human Security Implications of Non-Traditional Maritime Security Threats in the Western Indian Ocean	2456-5474	Aug 2023
2.	Dr. Neeta Rani	The Geopolitical Calculus of Energy: Examining India's Energy Future, in Arun Kumar Dixit, Abhay Raj Singh, Vinod Kumar Dubey, Non-Traditional Security Issues in India, Satyam Publishing House, New Delhi, pp. 100-106	ISBN- 978-98-5909-716-9	2024
3.	Dr. Anuradha Choudhary	Tibetan Refugees in India: Ethnic Identity, Integration and Exclusion	978-81-968482-9-3	2023

### Details of Research Projects

Name of the Project Investigator and Co-Investigator	Title of Research Project	Funding Agency	Tenure of the Project	Status of Projects
Dr. R Sudhakar	Sukanya Samriddhi Yojana (SSY) in Rural Jammu and Kashmir: An Empirical Diagnostic Evaluation of Conditional Cash Transfer (CCT) to Young Age Girls in Most Backward Districts of Jammu and Kashmir	ICSSR	Six Months	Submitted
Dr. Neeta Rani	A Study of Village Defence Guards Scheme (VDGS) in Jammu and Kashmir	ICSSR	One Year	Ongoing

### Details of Students Achievements

S. No.	Research Scholar	Year	JRF/NET/SET/Other Fellowships
1.	Shuvam Sharma	2024	ICSSR Doctoral Fellowship
2.	Mohan Singh Dhangar	2023	JRF
3.	Akriti Uppal	2023	NET
4.	Vivek Kumar	2022	JRF
5.	Rohit	2023	JRF

# SCHOOL OF BUSINESS STUDIES

## HRM&OB

The department believes in preparing the students to approach business situations and solve them in the way established corporations do. Learning happens both inside and outside the classroom, hence, technology plays a big part in the core culture, and so does global exposure, project management, critical reasoning, and business communication skills. Department of HRM&OB lays emphasis on all this through experiential learning opportunities, internship, course assignments, industry-academia interactions and other industry-driven projects.

### Faculty Details:

S.No.	Name	Designation	Area of Specialization
1	Prof. Jaya Bhasin	Professor, Head and Dean School of Business Studies	Human Resource Management Organizational Behaviour Strategic Management
2	Ms Anjali Pathania	Assistant Professor	Behavioral Science & Information Systems
3	Dr.Gowhar Rasool	Assistant Professor	Marketing
4	Dr. Asif Ali	Assistant Professor	Entrepreneurship Marketing
5	Dr.Susmita Ekka	Assistant Professor	Human Resource Management , HR Analytics

### Faculty Publications

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
1	Business Intelligence as an Integrative Approach for Chalking Up Excellence in Higher Education Sector Ghai, S. , Bhasin, J. Sharma, N Journal of Emerging Technologies and Innovative Research UGC Care	2349-5162	2023
2	Antecedents and Consequences of ICT Adoption in MSME Asif Ali, Jaya Bhasin and M Hazik Journal of Business and Management Studies	2709-0876	2023
3	Evolution of neuroleadership: bibliometric analysis and network visualization Ms Anjali Choudhary and Jaya Bhasin Accountancy Business and the Public Interest Category B	1745-7718	2023
4	UddharedĀtmanātmānamNātmānamAvasādayetĀtmaiv aHyātmanoBandhurĀtmaivaRipurĀtmanaḥ: An	2349-638x	2023



	Empirical Study On Sustainable Development for Aatmanirbhar Bharat( UGC Care) Neetu Bradoo, Jaya Bhasin , Shahid Mushtaq Aayushi International Interdisciplinary Research Journal		
5	Implications for well-being in the digitally transforming world: a bibliometric mapping Surbhi Ghai, prof. Jaya Bhasin and Dr. Neeraj Sharma Korea review of International Studies Category C	1226-4741	2023
6	Examining the context-specific reasons and adoption of artificial Intelligence-based voice assistants: A Behavioural reasoning theory approach  <i>Rasool,G. &amp;Pathania,A.</i> Marketing Intelligence & Planning (Scopus, ABDC A Category) Impact Factor: 4.4	1470-6431	2023
7	Word of mouse! What drives consumer voluntarism to write online reviews? <i>Rasool,G. &amp;Pathania,A.</i> Journal of Marketing Communications (Scopus, ABDC B Category)	1466-4445	2023
8	Antecedents and Consequences of ICT Adoption in MSME Ali, A., Bhasin, J. Journal of Business and Management Studies	2709-0876	2023
9	<i>Sahay V., Prasad C., Krishnankutty R.,</i> Post Covid Management Strategies: Recover, Resilience and Adaptation, 183-195, Vol-1, <i>Himalaya Publishing House</i> , ISBN- 9356933502 Ghai S., Bhasin J., Mushtaq S	9356933502	2023
10	Digital Well-being in the Era of Digital Transformation: A Bibliometric Analysis Leading the business of the future: Talent, Technology and Transformation in a Changing World Indian Institute of Management Nagpur ,ISBN: 9788195954605  GhaiS,Bhasin J  --	9788195954605	2023
11	Connectivity Continuum and Changing Landscape of Work-life Interface: A Systematic Literature Review, Enhancing Productivity in Hybrid Mode The Beginning of a New Era, Ghai S., Bhasin J., Mushtaq S		2023
12	Bibliometric insights on well being among faculty members in Higher Education International Conference on Holistic Health & Well- Being, ISBN: 978-93-94068-89-6 Prof. Jaya Bhasin and Mrs Pooja Sharma	978-93-94068-89-6	2023

13	Digital Well-Being in the Era of Digital Transformation: A Bibliometric Analysis Leading the Business of the future Talent, Technology and Transformation in a Changing World Indian Institute of Management Nagpur , ISBN 978819595 4605  Prof. Jaya Bhasin and Ms Surbhi Ghai	978819595 4605	2023
14	Green Human Resource Management a panacea for Sustainable Development: Systematic literature review Conference Proceeding of 2nd Pritam Singh Memorial (PRISM) Conference IIM Nagpur  Neetu, Prof.Jaya Bhasin and Dr. Shahid Mushtaq		2023
15	Mana evamanushyanamkaranam bandha-mokshayoh: Psychological sustainability as a new dimension for sustainable development Emerging Technologies in Business Management ISBN: 978935640 4717  Neetu, Prof.Jaya Bhasin and Dr. Shahid Mushtaq	978935640 4717	2023
16	International Conference on Sustainability an ancient approach (IIM - C) ISBN: 9789356405 995 Ayaṁnijaḥparovetiḡaṇānālaghucetasā mudāracaritānāṁ tuvasudhai vakuṭumbakam: Sustainable development goals from Indian perspective  Neetu, Prof.Jaya Bhasin and Dr. Shahid Mushtaq	9789356405 995	2023
17	International Conference Proceedings on Sustainable Development& Management Practices ISBN: 978819595 4605 HRM Practices for sustainable development :An empirical study from Indian automobile sector  Neetu, Prof.Jaya Bhasin and Dr. Shahid Mushtaq	978819595 4605	2024
18	Influence of Moonlighting on the Performance of Health care in Jammu Region Slathia, P, Bhasin J. Empirical Economic Letters Category 'C'	1681 8997	2024
19	Augmented reality in marketing: a close look at the current landscape and future possibilities <i>Rasool, G. &amp; Pathania, A.</i> Marketing Intelligence & Planning (Scopus, ABDC A Category) Impact Factor: 4.4	0263-4503	2024

## Marketing and Supply Chain Management

The Department of Marketing and Supply Chain Management was established in the year 2016 under the School of Business Studies. The vision of the department is to produce Management Graduates who would emerge as ‘Pillars of the Nation’ and shall contribute in the development and growth of public as well as private sector around the globe. The department envisages to expand the scope of its vision and to become the most comprehensive source of domain specific business knowledge. The prime objective of the department is to make the students industry ready and contribute to their full potential. Application based teaching methodologies encompassing case studies, simulations, workshops, role plays, guest lectures, and industry outreach programmes opted by the faculty prepares the budding minds to develop a holistic approach for a rigorous corporate career. In addition to the above, organizing seminars, workshops, conferences, and other such programmes are conducted regularly by the department. The students enthusiastically take part in all the activities not only at departmental level but in all other programmes conducted by the University. Over the years, the department of MSCM has grown into a mature institution with high reputation by imparting quality management education. We can proudly claim that the department plays a pioneering role in developing global professionals through its PG and Ph.D. programs.

### Faculty details:

S. No.	Name	Designation	Area of specialization
1	Prof. Ajai Pal Sharma	Professor	Marketing
2	Dr. Neelika Arora	Associate Professor	Marketing
3	Dr. Shahid Mushtaq	Assistant Professor	Marketing
4	Dr. Naresh Kumar	Assistant Professor	Marketing
5	Dr. Anju Thapa	Assistant Professor	Marketing
6	Dr. Arun Yadav	Assistant Professor	Marketing

### Faculty Achievements / Publications

#### Dr. Neelika Arora, Associate Professor

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
1	Are millennial travelers ready to switch to branded hostels? Empirical investigation using push-pull-mooring model	ISSN1492-7713	2023
2	How green entrepreneurship evolved the past two decades? A glance through bibliometric analysis	ISSN0972-2629	2023

**Dr. Nareh Kumar, Assistant Professor**

<b>S.No.</b>	<b>Title of paper / Book</b>	<b>IISN NO. /RIN No. /ISBN No</b>	<b>Year of Publication</b>
1	Digital Marketing: Strategies, Trends, Implementation, and Practices. A Case of Uttarakhand Star Category Hotels	ISSN1526-4726	2023
2	Electric Vehicles and Purchase Intention: A Bibliometric Analysis	ISSN1226-4741	2023
3	Role of Digital Marketing Strategies in Achieving Tourist Satisfaction of Star Category Hotels in Uttarakhand	ISSN 2323-5233	2023

**Dr. Anju Thapa, Assistant Professor**

<b>S.No.</b>	<b>Title of paper / Book</b>	<b>IISN NO. /RIN No. /ISBN No</b>	<b>Year of Publication</b>
1	Vanishing Acts: The impact of Ephemeral content on word of mouthbehaviour- unravelling the role of perceived value in instagram and snapchat	ISSN:1681 8997	2023
2	Unveiling key factors shaping the Adoption of Digital Transformation in Agricultural Supply Chain Management: An in-depth study of Indian Smart Villages	ISSN:1681 8997	2023
3	Influence of spiritual tourism on enhancing work-life balance of visitors	ISSN:1226-4741	2023
4	Sustainability of Border Tourism: Assessing Tourists' attitudes and perceptions at the Indo-Pak Suchetgarh Border	E-ISSN: 2348-1269	2023

**Students Achivement**

<b>S. No.</b>	<b>Name of the student</b>	<b>JRF/NET/SET</b>	<b>Year</b>
1.	Sahil Chauhan (Research Scholar)	NET (Management)	2024



## Tourism and Travel Management

TTM was established at the Central University of Jammu in 2012. Since the day of its inception, DTTM has been nurturing a dream to become a Centre of Excellence in tourism education and research. TTM aspires to set a new benchmark in the field of tourism education and research by delivering high quality of education through the dissemination of knowledge and strives to roll out a curriculum that will be most in-line with the needs of the industry, society and environment.

### Faculty details :

S.No.	Name	Designation	Area of specialization
1	Dr.Ranjeet Kumar Raman	Associate Professor	Destination Management, Tourism Sustainability, Influencer Marketing, Tourist Behavior
2	Dr. Mahendra Singh	Associate Professor	Hospitality, Gastronomy tourism., Hotel management, Tourism management
3	Dr. Amit Gangotia	Assistant Professor	Tourism Education, Community based Tourism, Smart Tourism, Experiential Tourism
4	Dr. Bharti Gupta	Assistant Professor	Cultural and Creative Tourism, Sustainable Tourism Development, Military Tourism, Peace Tourism, Spiritual & Pilgrimage Tourism
5	Mr. Rahul Thakur	Assistant Professor	Community based Tourism, Tourism Geography, Service Marketing, Adventure Tourism, Digital Marketing
6	Mr. Biswabhusan Pradhan	Assistant Professor	Smart Tourism, Heritage Tourism, Rural Tourism, Educational Tourism, Leadership, Consumer Behavior
7	Dr. Rabinder Singh	Assistant Professor	

### Faculty Publications

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
1	Social Media Reviews' Influence on Spa and Wellness Consumer Choices: Conceptual Framework, Prospective Significance, and Future Research Directions	9798369319789	2024
2	Evaluating the Image of the Buddhist Circuit using the Relative Importance Index	0975-4954	2023
3	How stakeholders collaborate? Meeting the challenges and availing the opportunities of military heritage tourism	2044-1266	2023

# SCHOOL OF ENGINEERING SCIENCE AND TECHNOLOGY

## Department of Computer Science and IT/ Department of Computer Science Engineering

The Department of Computer Science & Information Technology under the aegis of the School of Basic & Applied Sciences was established in the year 2012. The Department is well equipped with state-of-the-art laboratories of all major domains of Computer Science and Information Technology with excellent internet, servers, hardware, and software support like Video conferencing etc. Keeping in view the research output, market scenario and industry requirements the Department started offering M.Tech. (Computer Science & Technology) programme with an intake of 24 seats and discontinued the Integrated M.Sc. (Computer Science). -MCA programme from the 2016-17. The M.Tech. programme has been approved by AICTE from the session 2017-18. The Department also started a Ph.D. research programme from the academic session 2016-17.

The Department of Computer Science & Engineering was conceived in the year 2022 with the commencement of B. Tech Course in various specializations. There are 14 faculty members combined of both the Departments who have specializations in the areas of Artificial Intelligence, Wireless Sensor Networks, Computer Networks, Database and Data Mining, Natural Language Processing, Information and Cyber Security, Image Processing, Pattern Recognition, Internet of Things, Cloud Computing, Robotics and Simulation & Modeling, Computer Vision, Bio-metrics, Software Engineering to name a few. The Department is equally active in research with many quality publications each year in SCIE, ESCI, Scopus, IEEE, Science Direct, ACM, Springer, Wiley etc. The Department has successfully organized five International Conferences on the theme of “Recent Innovations in Computing” (ICRIC) in the year 2018, 2019, 2020, 2021, 2022 and 2023.

The Department makes an ongoing effort to establish and maintain a learning environment that supports the best possible levels of both teaching and research. Our Alumni are pursuing higher studies in most reputed Universities and Institutes and have been well placed in companies of national and international repute. The objective is to create human resources who have a concrete understanding about the aspects of theoretical, systematic, and application components of Computer Science.

### Faculty details:

Department of Computer Science and IT/ Department of Computer Science Engineering			
S.No.	Name	Designation	Area of specialization
1.	Prof. Yashwant Singh	Professor & Head	Internet of Things, Cyber-Physical Systems, Cyber Security, SCADA, Wireless Sensor Networks
2.	Prof. Dinesh Kumar	Professor	Wireless Sensor Networks, Machine Learning, Natural Language Processing
3.	Dr. Neerendra Kumar	Associate Professor	Robotics, Computer Programming, Artificial Intelligence

4.	Dr. Pradeep Kumar Singh	Associate Professor	Data Science, IoT, WSN, Emerging Internet Technologies
5.	Dr. Bhavna Arora	Associate Professor	Information and Cyber Security, Data Mining, Artificial Intelligence, Natural Language Processing.
6.	Dr. Arvind Selwal	Assistant Professor	Biometrics Security, Pattern Recognition, Video and Digital Image Processing, Computer Vision, Machine/Deep Learning, Lightweight Cryptography, Image Steganalysis
7.	Dr. Deepti Malhotra	Assistant Professor	Grid Computing, Cloud Computing, Virtualization, Machine Learning and Deep Learning: Subfields of Artificial Intelligence, Natural Language Processing.
8.	Dr. Jasvinder Pal Singh	Assistant Professor	Biometric, Computer Vision, Optimization and Machine Learning
9.	Dr. Palak Mahajan	Assistant Professor	Computer Vision, Image Processing, Machine/Deep Learning, Pattern Recognition
10.	Dr. Harnain Kour	Assistant Professor	Artificial Intelligence, Natural Language Processing, Machine Learning
11.	Dr. Gourav Kumar	Assistant Professor	Artificial Intelligence, Machine Learning, Deep Learning, Soft Computing, Nature Inspired Algorithms, Time Series Analysis, Image Processing
12.	Mr. Arun Kumar Sharma	Assistant Professor	Wireless Sensor Networks, Cognitive Radio Networks, Machine Learning, Deep Learning, Cryptography
13.	Mr. Gaurav Thakur	Assistant Professor	Cyber Security, Cryptography, Artificial Intelligence, Machine Learning, Deep Learning
14.	Mr. Zakir Ahmad Sheikh	Assistant Professor	Cyber Security, Security of Cyber Physical Systems, Artificial Intelligence, Programming, Internet of Things, Computer Networks, Algorithms and Data Structures, Database Management System, Operating System

## Faculty Achievements

### Prof. Yashwant Singh

1. Member of the School Board, School of Engineering and Technology, Central University of Punjab
2. Member of the Board of Studies, in the subject of Data Science & Artificial Intelligence, Himachal Pradesh University Shimla.
3. Academic Excellence award for excellent research contribution, presented during 5<sup>th</sup> International Conference on Computing Communication and Cyber Security (V2), April 8-9, 2024, Graphic Era Hill University Uttarakhand.

4. Keynote Address during 5<sup>th</sup> International Conference on Computing Communication and Cyber Security (V2) April 8, 2024, Graphic Era Hill University Uttarakhand.
5. Keynote Address on “Safeguarding the Future: Intelligent Strategies for Security of Cyber-Physical Systems”, 5<sup>th</sup> International Conference on Recent Innovations in Computing ICRIC-2023, 21-22 December, 2023, ELTE Budapest Hungary.
6. Keynote Address on “AI for Business Intelligence”, during 5<sup>th</sup> International Conference on Computing Communication and Cyber Security (V1) February 29, 2024, Shri Mata Vaishno Devi University Katra.
7. Invited talk on “ICT in Teaching and Research, MMTC Central University of Jammu, 23-01-2024.

**Prof. Dinesh Kumar**

1. Technical Committee Chair & Reviewer at National Level Symposium on Data Analytics, Machine Learning and Artificial Intelligence (DAMLAI) jointly organized by Gujarat Technological University, Ahmedabad and Indian Statistical Institute, Kolkata from 21st to 23rd March 2024.

**Dr. Neerendra Kumar**

1. Session chair, Member Technical Committee, Member Organizing Committee and Reviewer at 6th International Conference on Recent Innovations in Computing (ICRIC-2023) organized by Central University of Jammu, Sponsored by DRDO, DST(J&K) on October 26 to 27, 2023.

**Dr. Bhavna Arora**

1. Presented papers during IC4S'05 held between 29th February to 1st March, 2024 hosted at School of Computer Science, SMVDU, Katra, J&K, India.
2. Attended FDP -NEP 2020 Orientation and Sensitization Programme under Malaviya Mission teacher Training Programme (MM-TTP) of UGC organized by Central University of Jammu from 20<sup>th</sup> Feb 2024 to 29<sup>th</sup> Feb 2024.
3. Resource Person in one session at NEP 2020 Orientation & Sensitization Programme under Malaviya Mission teacher Training Programme (MM-TTP) of UGC organized by Central University of Jammu from 23<sup>rd</sup> Jan 2024 to 31<sup>st</sup> Jan 2024'
4. Program Co-Coordinator of FDP on “Information and Communication Technologies (ICT)” under NEP 2020 Orientation & Sensitization Programme of Malaviya Mission teacher Training Programme (MM-TTP) of UGC organized by Central University of Jammu from 23<sup>rd</sup> Jan 2024 to 31<sup>st</sup> Jan 2024



5. Presented paper in IEEE conference ICIMIA 2023, held at Bangalore from December 21st to December 23rd, 2023.
6. Session chair, Member Technical Committee, Member Organizing Committee and Reviewer at 6th International Conference on Recent Innovations in Computing (ICRIC-2023) organized by CentralUniversity of Jammu, Sponsored by DRDO, DST(J&K) on October 26 to 27, 2023.
7. Delivered two keynote lectures in a 05-day course on “Investigation of Cyber Crimes”, on 13th June 2023 organized by Sher-i- Kashmir Police Academy Udhampur.
8. Member of various committees as Convener/Member and have been part of organizing teams of various events.

### **Dr. Deepti**

1. Invited Speaker on “AI in Education” under “Faculty Development Programme” on September 22, 2023 at MIER College of Education.
2. Resource Person on “Digital Literacy and Skill Building for Rural Women Entrepreneurs” under the project titled ‘Accelerating Women Entrepreneurship in Rural India: Towards Digital Empowerment for Self-Reliance and Gender Equality’ funded by UNESCO on August 2- August 3, 2023 at CentralUniversity of Jammu.

### **Dr. Jasvinder Pal Singh**

Session chair and Member Organizing Committee at 6th International Conference on Recent Innovations in Computing (ICRIC-2023) organized by CentralUniversity of Jammu, Sponsored by DRDO, DST(J&K) on October 26 to 27, 2023.

Attended 9 days Faculty Development Program (FDP) on “Information and Communication Technologies (ICT) NEP 2020 Orientation and Sensitisation” on 23<sup>rd</sup> – 31<sup>st</sup> January 2024, organized by UGC- Malaviya Mission Teacher Training Centre, CentralUniversity of Jammu.

Attended 4 Week Faculty Induction / Orientation Programme organized by Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of MINISTRY OF EDUCATION Malaviya Mission Teacher Training Programme on 21 February – 19 March, 2024

### **Dr. Palak Mahajan**

Co-Convener Photography Club.

Organized Pixel Photography Contest at Udaan 2024, Cultural Fest at CentralUniversity of Jammu on 21<sup>st</sup> February 2024.

Delivered an Expert lecture on the topic “A deep dive into Artificial Intelligence & Machine Learning-Applications, Challenges, and Future Trends” at Govt. Polytechnic College, Jammu on 2<sup>nd</sup> December 2023.  
Session chair at International Conference on Computer Vision & Image Processing (CVIP-2023) held at IIT Jammu from 3<sup>rd</sup> – 5<sup>th</sup> November 2023.

Session chair at International Conference on Recent Innovations in Computing (ICRIC-2023) held at CentralUniversity of Jammu from 26<sup>th</sup> -27<sup>th</sup> October, 2023.

Attended e-Yantra Workshop on "Self-Balancing Robot" at Indian Institute of Technology, Bombay from 15<sup>th</sup>- 17<sup>th</sup> Feb 2024.

Attended e-Yantra workshop on “Introduction to Embedded Systems and Robotics” organized by Institute of Technology, Bombay on 14<sup>th</sup>& 15<sup>th</sup> September 2023 held at University of Jammu.

Paper presented at JK-Women Science Congress 2024 on 13<sup>th</sup> February 2024 held at University of Jammu.

Attended a 4-week Induction Programme on “Faculty in Universities/Colleges/Institutes of Higher Education from 21<sup>st</sup> February- 19<sup>th</sup> March 2024, organized by teaching learning center, Ramanujan College, New Delhi.

#### **Dr. Harnain Kour**

Session chair at International Conference on Recent Innovations in Computing (ICRIC-2023) held at CentralUniversity of Jammu from 26<sup>th</sup> -27<sup>th</sup> October, 2023.

Attended e-Yantra Workshop on "Self-Balancing Robot" at Indian Institute of Technology, Bombay from 15<sup>th</sup>- 17<sup>th</sup> Feb 2024.

Attended e-Yantra workshop on “Introduction to Embedded Systems and Robotics” organized by Institute of Technology, Bombay on 14<sup>th</sup>& 15<sup>th</sup> September 2023 held at University of Jammu.

Paper presented at JK-Women Science Congress 2024 on 13<sup>th</sup> February 2024 held at University of Jammu.

Attended a 4-week Induction Programme on “Faculty in Universities/Colleges/Institutes of Higher Education from 21<sup>st</sup> February- 19<sup>th</sup> March 2024, organized by teaching learning center, Ramanujan College, New Delhi.

#### **Dr. Gourav Kumar**

Session chair and Member Organizing Committee at 6th International Conference on Recent Innovations in Computing (ICRIC-2023) organized by CentralUniversity of Jammu, Sponsored by DRDO, DST(J&K) on October 26 to 27, 2023.

Attended 9 days Faculty Development Program (FDP) on “Information and Communication Technologies (ICT) NEP 2020 Orientation and Sensitisation” on 23<sup>rd</sup> – 31<sup>st</sup> January 2024, organized by UGC- Malaviya Mission Teacher Training Centre, CentralUniversity of Jammu.

Attended 4-Week Faculty Induction / Orientation Programme organized by Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of MINISTRY OF EDUCATION Malaviya Mission Teacher Training Programme on 21 February – 19 March, 2024.

1day Safe campus program held on 22<sup>nd</sup> March, 2024 organized by Association of Indian University and Martha Farrell Foundation

**Mr. Arun Kumar Sharma**

Attended an international Conference on Recent Innovations in Computing from 26<sup>th</sup> – 27<sup>th</sup> October, 2023 organized by the Central University of Jammu.

Completed online Interdisciplinary two-week Refresher Course in “Managing Online Classes & Co-creating MOOCS” from 7<sup>th</sup> – 21<sup>st</sup>, February, 2024 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.

Completed a 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from 21<sup>st</sup> February – 19<sup>th</sup> March, 2024 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.

Attended the National Conference “Digi Edu 2024 : Transforming Education and Learning Systems” held from 7<sup>th</sup> March – 9<sup>th</sup> March 2024 organized by the CentralUniversity of Himachal Pradesh in collaboration with Consortium for Educational Communication, New Delhi.

**Patents/IPR/Copyrights:**

<b>Name of the Teacher</b>	<b>Patent Number</b>	<b>Title of the patent</b>	<b>Year of Award / publish of patent</b>
Dr.Pradeep Kumar Singh	202411007519	Intelligent Waste Management System Using Drones with IoT and GPS Enabled Technologies	2024
Dr. Arvind Selwal	401390-001	Deep Learning Based Fingerprint Spoof Detection System	2024
Dr. Arvind Selwal	202311078831	System and method for assessing interactiveness of offline classroom sessions	2024
Dr. Arvind Selwal	409944-001	Biometric-enabled video analysis-based automatic classroom attendance system	2024
Dr. Jasvinder Pal Singh	202331076794	Design and Implementation of Adaptive Cluster Approach in CRN for 5G Applications	2023
Dr. Palak Mahajan	409944-001	Biometric-enabled video analysis-based automatic classroom attendance system	2024

## Faculty Publications

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year
<b>Prof. Yashwant Singh</b>			
1.	Intelligent Security Solutions for Cyber-Physical Systems	9781003406105	2024
2.	Lightweight Cryptographic Algorithms for Cyber-Physical Systems	9781003406105	2024
3.	Automated Parkinson's Disease Detection: A Review of Techniques, Datasets, Modalities, and Open Challenges	1178-5608	2024
4.	A survey on IoT & embedded device firmware security: architecture, extraction techniques, and vulnerability analysis frameworks	2730-7239	2023
5.	Federated Learning Based Privacy Ensured Sensor Communication in IoT Networks: A Taxonomy, Threats and Attacks	2169-3536	2023
6.	Defending the Defender: Adversarial Learning Based Defending Strategy for Learning Based Security Methods in Cyber-Physical Systems (CPS)	1424-8220	2023
7.	Neoteric Trends of Unmanned Aerial Vehicle (UAV) Research: A Scientometric Analysis	2321-6654	2023
8.	Duty—Cycling Based Energy-Efficient Framework for Smart Healthcare System (SHS)	978-981-19-9331-2	2023
9.	Energy-Efficient Priority-Based Routing Model for Smart Health Care	978-981-99-0601-7	2023
<b>Dr. Neerendra Kumar</b>			
1.	Vision and Audio-based Methods for First Impression Recognition Using Machine Learning Algorithms: A Review	ISSN (print): 0218-2130 ISSN (online): 1793-6349	2023
2.	Neoteric Trends of Unmanned Aerial Vehicle (UAV) Research: A Scientometric Analysis	ISSN 2321-6654 (for print )and 2320-0057 (for online)	2023
3.	Hybrid Approach for Resource Allocation and Task Scheduling on Cloud Computing:A Review	978-981-19-9876-8	2023
4.	An Approach for Integrating a Prominent Conversational Chatbot with a Contact Center	978-981-19-9876-8	2023
5.	Navigation and Cognitive Techniques for Humanoid Robots	978-981-19-9876-8	2023
6.	Intelligent Communication for Internet of Things (IoRT)	978-981-99-0601-7	2023
7.	Machine Learning Techniques for Result Prediction of One Day International (ODI) Cricket Match	978-981-99-0601-7	2023
<b>Dr. Pradeep Kumar Singh</b>			
1.	Data Science and Artificial Intelligence for	e-ISBN: 978-3-031-	2024



	Digital Healthcare, Signals and Communication Technology/ Book[Scopus Indexed]	56818-3	
2.	IoT Enabled Sensors Networks: Architecture, Methodologies, Security and Futuristic Applications/ Book	ISSN (Online) : 2737-5730, ISSN (print) : 2737-5722.	2024
3.	Comparative analysis of audio classification with MFCC and STFT features using machine learning techniques/Journal[Scopus Indexed]	e-ISSN : 2730-7239	2024
4.	Automated Parkinson's Disease Detection: A Review of Techniques, Datasets, Modalities, and Open Challenges/Journal[Scopus Indexed]	eISSN:1178-5608	2024
5.	Improved Cat Swarm Optimization to Solve Premature Convergence in Partitional Clustering/ Conference [Scopus]	Electronic ISSN: 2766-421X	2024
<b>Dr. Bhavna Arora</b>			
1.	Deep Learning Techniques Used for Fake News Detection: A Review and Analysis	978-981-19-9876-8	2023
2.	Framework for Detection of Malware Using Random Forest Classifier	1876-1119	2023
3.	Machine Learning Techniques for Image Manipulation Detection: A Review and Analysis	1876-1119	2023
4.	A comprehensive evaluation of feature-based AI techniques for deepfake detection	1433-3058	2023
5.	Evidence-Aware Fake News Detection: A Review	979-8-3503-8088-0	2024
<b>Dr. Arvind Selwal</b>			
1.	SFincBuster: Spoofed fingerprint buster via incremental learning using leverage bagging classifier [SCI IF=4.7].	Online ISSN: 1872-8138 Print ISSN: 0262-8856	2023
2.	Domain adaptation-assisted automatic human-centric video summarization [SCI, IF=8.0].	Online ISSN: 1873-6769 Print ISSN: 0952-1976	2023
3.	CoSumNet: A video summarization-based framework for COVID-19 monitoring in crowded scenes [SCI, IF=7.5].	Online ISSN: 1873-2860 Print ISSN: 0933-3657	2023
4.	IVIDNet: Intelligent iris vitality detection via weighted prediction score level fusion[SCI IF=3.6].	ElectronicISSN:1573-7721 Print ISSN:1380-7501	2023
5.	A survey on face presentation attack detection mechanisms: hitherto and future perspectives[SCI IF=3.9].	Electronic ISSN:1432-1882 Print ISSN:0942-4962	2023
6.	Towards machine vision-based video analysis in smart cities: a survey, framework, applications and open issues[SCI IF=3.6].	Electronic ISSN:1573-7721 Print ISSN:1380-7501	2023
7.	A generalized image steganalysis approach via decision level fusion of deep models[SCI, IF=3.6]	Electronic ISSN:1573-7721 Print ISSN:1380-7501	2023
8.	A Lightweight Image Cryptography Approach via Invertible Transformation	Electronic ISBN:979-8-3503-2138-8	2023

		USB ISBN:979-8-3503-2137-1	
9.	Deep Learning-Assisted Iris Liveness Detection Mechanisms	Electronic ISBN:979-8-3503-2138-8 USB ISBN:979-8-3503-2137-1	2023
<b>Dr. Deepti Malhotra</b>			
1.	SSMDA:SEmi-Supervised Multi-Source Domain Adaptive Autism prediction Model using Neuroimaging[SCIE, IF 5.1].	ISSN: 1746-8108	2024
2.	IRAM-NET Model: Image Residual Agnostics Meta Learning based Network for Rare De Novo Glioblastoma Diagnosis. [SCIE, IF 6.0].	ISSN 1433-3058	2024
3.	Meta-Health: Learning-to-learn (Meta-Learning) as a Next Generation of Deep Learning Exploring Healthcare Challenges and Solutions for Rare Disorders: A Systematic Analysis. [SCIE, IF 9.7].	ISSN 1886-1784	2023
4.	Prediction of Osteoporosis Using Artificial Intelligence Techniques: A Review	ISBN: 978-981-99-0601-7	2023
5.	Development of intelligent framework for early prediction of diabetic retinopathy	ISBN: 978-981-99-0601-7	2023
6.	TransLearning ASD: Detection of Autism Spectrum Disorder Using Domain Adaptation and Transfer Learning-Based Approach on RS-FMRI Data	ISBN: 978-981-19-9876-8	2023
7.	Attention Deficit Hyperactivity Disorder Spectrum ADHD_sfMRI.	ISBN: 978-981-15-8297-4	2023
<b>Dr. Palak Mahajan</b>			
1.	Analyzing Performance of Masked R-CNN Under the Influence of Distortions	978-981-99-2601-5	2023
<b>Dr. Gourav Kumar</b>			
1.	Stock price forecasting based on the relationship among Asian stock markets using deep learning	1532-0634	2023
2.	Adaptive Fault-Tolerant Control for Pure-Feedback Stochastic Nonlinear Systems with Sensor and Actuator Faults	1531-5878	2023
<b>Mr. Arun Kumar Sharma</b>			
1.	A hybrid authenticated image encryption scheme using elliptic curves for enhanced security	2511-2112(online)	2024
<b>Mr. Zakir Ahmad Sheikh</b>			
1.	Defending the Defender: Adversarial Learning Based Defending Strategy for Learning Based Security Methods in Cyber-Physical Systems (CPS)	1424-8220	2023

## Details of Research Projects

Year of Sanction	Title of Projects	Funding Agency	Status of Projects
Name of the PI & Co-PI: Prof. Yashwant Singh			
2019	Development of Vulnerability Analysis Framework and Test Bed for IoT and Embedded Devices	DRDO	Ongoing
Name of the PI & Co-PI: Prof. Yashwant Singh & Dr. Neerendra Kumar (Co-PI)			
2021	Design and development of testbed and vulnerability analysis framework for cyber physical systems	DRDO	Ongoing
Name of the PI & Co-PI: Dr. Bhavna Arora & Dr. Deepti Malhotra (Co-PI)			
2020	Development of text and speech corpora for regional languages	DRDO	Completed
Name of the PI & Co-PI: Dr. Arvind Selwal			
2020-23	Development and Analysis of a light weight cryptography for sensor nodes and IoT	DRDO	Completed

## Student's Achievements

S.No.	Name of student	Year of qualifying	JRF/NET
1.	Neha	2023	NET
2.	Bharti Rana	2023	NET
3.	Ankit Ashish	2023	NET

## Dept. of Electronics and Communication Engineering



Department of ECE (ISRO Building), SDCSS Centre



Faculty Members of the Department of ECE (DoECE)

The Department of Electronics and Communication Engineering was established under the mentorship of IIST-ISRO in the year 2022. The department offers two UG programs: B.Tech. in Electronics and Communication Engineering (ECE) & B.Tech. in Electronics and Communication Engineering (Avionics). The department also offers minor degree in:

- Artificial Intelligence (AI)/Machine Learning (ML)
- Semiconductor & Microelectronics
- Mathematics & Computing
- Space Technology
- Quantum Computing
- Cyber Security

Department of ECE, CUJ has already adopted latest advancements in academic curriculum as per the demand of the industry and society. The department is well equipped with state-of-the-art laboratories of all



major domains of Electronics and Communication Engineering (ECE) and Electronics and Communication Engineering(Avionics) such as Basic Electronics Lab, Signals and Systems Lab, Digital Signal Processing Lab, Digital Electronics Lab, Machine Learning Lab, Data Science Lab, AI and Robotics Lab, Advanced Communication Lab, and Internet of Things (IoT) Lab and many advance upcoming labs like Semiconductor Fabrication Lab, Space Technology Labs, Drone Lab, 3D Printing Lab, 6G Testbed, Design and Verification Lab etc. The Department of ECE makes an ongoing effort to establish and maintain a learning environment that supports the best possible levels of both teaching and research.



\*Source:<https://www.isro.gov.in/SatishDhawanCentre.html>

\*The Satish Dhawan Space Science Centre was inaugurated by Dr. Jitendra Singh, Hon'ble Minister of State (MoS) for Space, in the presence of Shri Somanath S, Chairman, ISRO/ Secretary DOS, Dr. K. Radhakrishnan Former Chairman, ISRO & Member, Space Commission and Prof. Sanjeev Jain, VC-CUJ, on March 12, 2022

The students also gain experience in carrying out experiments and take part in some of the research and development activities such as [CANSAT project](#) at different centers of ISRO, IIST, and related industry through their internship programmes. Department of ECE put all the efforts to make our students to compete internationally and to produce creative solutions to society needs, universal moral values, adherent to professional ethical code, and to generate any knowledge and technologies essential to the local and global needs in the field of ECE. The quality teaching and guidance by highly qualified and experienced faculty members will benefit the students to compete globally. Department of ECE supports the students to avail the internships, training, and research in reputed organizations

Course offered :

- (i) B.Tech. in Electronics and Communication Engineering (ECE)
- (ii) B.Tech. in Electronics and Communication Engineering (Avionics)



**Faculty details :**

<b>S.No.</b>	<b>Name</b>	<b>Designation</b>	<b>Area of specialization</b>
01	Dr. Rakesh Kumar Jha	Professor	Green and Secure 6G, AI/ML, Space Technology, Semiconductor and Fabrication for communication device
02	Dr. Sachin Kumar Gupta	Associate Professor	Systems Engineering
03	Dr. Sunil Datt Sharma	Associate Professor	Digital Signal Processing and AI/ML, FPGA implementation of Signal Processing Algorithm for dedicated devices
04	Dr. Sanjeev Yadav	Associate Professor	Frequency Selective Surfaces, Metamaterial Absorber, Resonator, Antennas
05	Dr. Priyank Sharma	Assistant Professor	Wireless Communications: 5 G and beyond, NOMA, IRS, Co-operative communications, etc.
06	Dr. Rajiv Kumar	Assistant Professor	Wireless Communication
07	Dr. Misbah Shafi	Assistant Professor	Security Issues in Wireless Communication, 6G network, AI/ML, Space Technology
08	Dr Pravesh Pal	Assistant Professor	RF and Microwave

**International/National Seminars/Workshops/Webinars Organized in Department**

- Workshop Organized on “Real Time waveform analysis for communication system”, on 28-29 November 2023
- National startup day on 16th January 2024 organized by IIC along with ECE and CSE department at Central University of Jammu



### **Eminent Lecture/Extensive lecture organized**

- Department of ECE organized an expert lecture of Dr. D. Ram Rajak, (Scientist, 'G' & Group Director (RTMG/MISA), SAC (ISRO)), under the eminent lecture series at Central University of Jammu on 2nd November, 2023




**Central University of Jammu**  
Rahya-Suchani (Bagla), District: Samba – 181143, UT of J&K, India




## Eminent Lecture Series

**ISRO's RESPOND research scope at SAC, Ahmedabad  
Join ISRO's Sponsored Research at SAC.**

**Resource Person**



**Dr. D. Ram Rajak;**  
Scientist G & Group Director;  
(RTMG/MISA); SAC (ISRO)

**Thursday**  
**Nov 02, 2023**  
**(03:00 PM)**  
**Venue:**  
**Satish Dhawan Centre for**  
**Space Sciences,**  
**CU Jammu**

**Organized by:**

**Chief Guest**



**Prof. Sanjeev Jain**  
(Vice-Chancellor)  
Central University of Jammu

**Department of Physics and Astronomical Sciences. Central University of Jammu**

- Prof. Deepak Mishra, IIST, Thiruvananthapuram, has delivered a talk on “Computer Vision and Artificial Intelligence: Machine learning and its integration in space applications” at ECE department, CentralUniversity of Jammu on 3rd November, 2023.



### **Field Trips/Industrial visit / Educational Visit.**

- Summer Internship of ECE Department, CUJ students at IIST Thiruvananthapuram in 2023





Summer Internship of ECE Department, CUJ students at IIST Thiruvananthapuram in 2023 Memorandums of Understanding signed.

- MOU with IIST-ISRO Faculty Achievements during 2024.

#### Faculty Publications with “IISN NO. /RIN No. /ISBN No.” during 2024

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
01	Efficient Selfish Node Detection using SVM in IoT-MANET Environment	2161-3915	2023
02	UAVs in collaboration with Fog computing network for improving QoS	1074-5351	2024
03	LSB-XOR Technique for Securing Captured Images from Disaster by UAVs in B5G Networks	1532-0626	2024
04	Machine learning-based predictive modelling for the enhancement of wine quality	2045-2322	2023
05	A Novel Sensitive DDoS Attacks against Statistical Test in Network Traffic Fusion	2161-3915	2023
06	Channel Tracking in IRS-based UAV Communication Systems using Federated Learning	1339-309X	2023
07	Sensor Injection Based Routing Protocol for Effective Load Balancing in Underwater Wireless Sensor Networks	0929-6212	2023
08	A Novel Hybrid CNN Methodology for Automated Leaf Disease Detection and Classification	0266-4720	2024
09	SFL-MDrone: Synchronous Federated Learning Enabled Multi Drones	1875-8967 (E)	2024



10	Synchronous Federated Learning based Multi Unmanned Aerial Vehicles for Secure Applications	1895-1767	2023
11	Unified intercept probability analysis of multi-user multi-relay aided decode-and-forward wireless systems	0973-5658	2024
12	Outage analysis for user pairing based downlink C-NOMA network with receiver diversity techniques over $\eta$ - $\mu$ fading channel	ISSN 0973-7677	2023
13	Design and Analysis of Low Profile Stepped Feedline with Dual Circular Patch MIMO Antenna and Stub Loaded Partial Ground Plane for Wireless Applications	EISSN 1559-8985	2024
14	Fuzzy based self-similarity weight estimation in non-local means for gray-scale image denoising	1095-4333	2024
15	6G: Technology Evolution in Future Wireless Networks	2169-3536	2024

#### Details of Research Projects

Year of Sanction	Funding Agency	Status of Projects
2024	JKST&IC	Granted

#### Details of Students Achievements

- Certifications awarded to the students for summer Internship at IIST Thiruvananthapuram in June 2023
- First prize to Amritansh (Dept. ECE-Avionics) on National Startup Day for the topic entitled as “Vayu-G”, Dated: 16-01-2024
- 3rd prize to Shreya (Dept. ECE) on National Science Day in collaboration with Indian National Young Academy of Science (INYAS), Dated: 28-02-2024

2nd prize to Amritansh (Dept. ECE-Avionics) for poster presentation on National Science Day in collaboration with Indian National Young Academy of Science (INYAS), Dated: 28-02-2024

# SCHOOL OF BASIC & APPLIED SCIENCE

## Department of Physics & Astronomical Sciences

The department was established in Academic Session 2016-17 with introducing Integrated M.Sc Physics program of five year with intake of 30 students. The Ph.D. Program in Physics was started in 2018.

### Faculty details :

Sl. No.	Name	Designation	Area of Specialization
1.	Prof. Vinay Kumar	Professor and HoD	Material Science/ Nanotechnology
2.	Prof. Suram Singh	Professor	Theoretical Physics (Nuclear Theory)
3.	Prof. Kusum Kumari	Professor	Material Sciences
4.	Dr. Ashish Kumar	Associate Professor	Material Sciences
5.	Dr. Amit Tomar	Assistant Professor	Material Science
6.	Dr. Onkar Nath Verma	Assistant Professor	Experimental Condensed Matter Physics
7.	Dr. Manvi Rajput	Assistant Professor	Nuclear Physics

International/National Seminars/Workshops/Webinars Organized in Department (with two or three HD quality photograph).

Students from different schools of District Samba visited Department of Physics and Astronomical Sciences as well as ISRO Centre at Central University of Jammu in the month of February, 2024. Our faculty members presented presentation of the Department, interacted with the students, demonstrated about different instruments present in the Physics laboratory.

### Eminent Lecture/Extensive lecture organized

- i) Distinguished Lecture Series conducted by the Department of Physics and Astronomical Sciences on 02 Nov. 2023 by Dr. D. Ram Rajak, Scientist G & Group Director (RTMG/MISA) SAC, ISRO on ISRO's RESPOND research scope on SAC, Ahmedabad.

**Central University of Jammu**  
Rahya-Suchani (Bagla), District: Samba – 181143, UT of J&K, India

**SAC**

**Eminent Lecture Series**  
ISRO's RESPOND research scope at SAC, Ahmedabad  
Join ISRO's Sponsored Research at SAC.

**Resource Person**  
Dr. D. Ram Rajak;  
Scientist G & Group Director;  
(RTMG/MISA); SAC (ISRO)

**Thursday**  
Nov 02, 2023  
(03:00 PM)  
Venue:  
Satish Dhawan Centre for  
Space Sciences,  
CU Jammu

**Chief Guest**  
Prof. Sanjeev Jain  
(Vice-Chancellor)  
Central University of Jammu

**Organized by:**  
Department of Physics and Astronomical Sciences, Central University of Jammu





- ii) Distinguished Lecture Series conducted by the Department of Physics and Astronomical Sciences on 03 Nov. 2023 by Prof. Deepak Mishra, IIST on Artificial Intelligence Application for Space Science and Space Technology: A comprehensive view.



- iii) **Thursday Mind Meet** organized by the Department of Physics and Astronomical Sciences on the topic 'Lithium-ion batteries for Electric Vehicles Fundamentals, strategies and outlooks' on 01 Feb. 2024.

### Outreach Awareness Program organized

An outreach program in collaboration with Bhabha Atomic Research Centre, Mumbai was organized on 9<sup>th</sup> October, 2023 in the Deptt. of Physics and Astronomical Sciences.





**Faculty Publications with “IISN NO. /RIN No. /ISBN No.” during 2024**

Sl.no	Title of paper / Book	Name of the Author	IISN NO. /RIN No. /ISBN No	Year of Publication
1.	Theoretical analysis of shape transition and axial asymmetry in even-even Yb isotopes	Arun Gupta, Surbhi Gupta, Ridham Bakshi, Suram Singh and co-authors	2190-5444	2023
2.	Impact of swift heavy oxygen ion irradiation on the performance of Pt/GaN Schottky diodes and epitaxial layers: A comparative study	Ashish Kumar and co-authors	1089-7550	2023
3.	In situ IV and CV characterization of Pt/n-GaN Schottky barrier diodes irradiated by 100 MeV oxygen ions	Ashish Kumar and co-authors	1573-482X	2023
4.	Surface states passivation in GaN single crystal by ruthenium solution	Ashish Kumar and co-authors	1077-3118	2023
5.	Fractal characterizations of MeV ion treated CaF <sub>2</sub> thin films	Ashish Kumar and co-authors	1089-7682	2023
6.	Impact of swift heavy oxygen ion irradiation on the performance of Pt/GaN Schottky diodes and epitaxial layers: A comparative study	Ashish Kumar and co-authors	1089-7550	2023
7.	First-Principles Study on Electronic and Thermal Transport Properties of FeRuTiX Quaternary Heusler Compounds (X=Si, Ge, Sn)	Ashish Kumar and co-authors	1521-3749	2023
8.	Theoretical perspectives of nuclear structure in <sup>82–88</sup> Ge and <sup>66–74</sup> Se isotopes	Simi Gupta, Ridham Bakshi, Surbhi Gupta, Suram Singh and co-authors	1434-6001	2023
9.	Variation of annual indoor and outdoor gamma dose rate in lower Himalayan region of Reasi district of Jammu and Kashmir, India	Sumit Sharma, Ajay Kumar, Dinesh Kumar Sharma	0972-0464	2023
10.	Spherical gravitational collapse in 4D Einstein–Gauss–Bonnet theory	Suresh C. Jaryal and Ayan Chatterjee	2212-6864	2023
11.	Crystal structure and luminescence dynamics of highly pure LiM(PO <sub>3</sub> ) <sub>3</sub> :Eu <sup>3+</sup> (M = Sr, Ca) red phosphors for white light emitting diodes	Vinay Kumar and co-authors	1002-0721	2023
12.	Effect of the Synthesis Route on Luminescence Dynamics and Thermographic Properties of Sm <sup>3+</sup> Doped Ba <sub>2</sub> Mg(Po <sub>4</sub> ) <sub>2</sub> Phosphor	Vinay Kumar and co-authors	0925-8388	2023



13.	Synthesis, luminescence and photometric investigation of Sr <sub>2</sub> B <sub>2</sub> O <sub>5</sub> :Dy <sup>3+</sup> phosphor for UV-based white LEDs	Vinay Kumar and co-authors	0947-8396	2023
14.	KSrVO <sub>4</sub> :Tb <sup>3+</sup> -A potential green-emitting nanophosphor candidate for white LEDs	Vinay Kumar and co-authors	0957-4522	2023
15.	Surface engineering of mesoporous-TiO <sub>2</sub> electron transport layer for improved performance of organic-inorganic perovskite solar cells via suppressing interface defects, enhancing charge extraction and boosting carrier transport	Kusum Kumari and co-authors	0927-7757	2023
16.	Synthesis and study of carbon nanomaterials through arc discharge technique for efficient adsorption of organic dyes	Kusum Kumari and co-authors	0925-9635	2023

#### Details of Research Projects under

S. No.	Name of the Investigator (PI)	Project No.	Funding Agency	Title of the project and duration( Start and end date)
1.	Prof. Suram Singh	CRG/2022 /002384	DST-SERB-CRG	A comprehensive study of nuclear structure properties of odd-mass nuclei in transitional region. (20-02-2023 to 19-02-2026)
2.	Prof. Kusum Kumari	EEQ/2023 /000489	DST - SERB-EMEQ	Enhancing Hybrid Solar Cell Performance through Additive Engineering utilizing CsPbI <sub>3</sub> and FAPbI <sub>3</sub> Perovskite Quantum Dots  3 years (Feb. 2024-Feb. 27)
3.	Prof. Kusum Kumari	CRG/2023 /006987	DST-SERB-Core Research Grant	Efficient, stable and scalable perovskite solar cells using CdSe/ZnS (core/shell) and CdSe/ZnTe/ZnS (core/shell/shell) colloidal quantum dots as hole extraction layer  3 years (March 2024-March 27)
4.	Dr. Ashish Kumar	1115/TS/S PL/CARS-102/2023	DRDO	Fabrication of High quality ohmic and Schottky contacts on SiC

#### Details of Students Achievements:

Ms. Hritiksha Sharma of semester 10 has cleared JKSET-2023 and GATE 2024.

## Department of Chemistry and Chemical Sciences

The Department of Chemistry and Chemical Sciences is under the School of Basic and Applied Sciences. The Department was established in 2016 with a five year Integrated B.Sc.(Hons.)-M.Sc.-Chemistry program and the Ph.D. program was started in the 2018-2019 academic year. The faculty members are specialized in frontier areas of Chemical Sciences and have expertise in Synthetic Organic Chemistry, Functional Materials, Polymer Science, Green Chemistry, Catalysis, Coordination Chemistry, Bioinorganic Chemistry, Theoretical and Computational Chemistry, and Medicinal Chemistry. Collaborative research programs with many research laboratories and institutes are also operating successfully with mutual benefits. External funding agencies including DST-INSPIRE, SERB, UGC, CSIR, and DRDO are supporting the research activities.

### Faculty details:

S. No.	Name	Designation	Area of specialization
1.	Dr. Kamlesh Kumar	Associate Professor	Polymer, Functional materials, Physical Chemistry
2.	Dr. Sujata Kundan	Assistant Professor	Bioinorganic Chemistry, Coordination Chemistry.
3.	Dr. Tapta Kanchan Roy	Assistant Professor	Quantum Chemistry, Theoretical and Computational Chemistry.
4.	Dr. Princy Gupta	Assistant Professor	Green Chemistry, Heterogeneous catalysis, Solid Acid Catalysis, Synthetic Organic Chemistry.
5.	Dr. Akshay Kumar	Assistant Professor	Synthetic Organic Chemistry, Homogeneous catalysis.

### Faculty Publications

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
1.	Synthesis of well-defined ester-linked covalent organic polymer and its potential applications in C–H bond activation Renu Devi, Satyam Singh, Vivek S. Rana, Omvir Singh, <b>Kamlesh Kumar</b> , Rahul Shrivastava, Rajesh K. Yadav, Atresh K. Singh, Navneet K. Gupta, Atul P. Singh Journal of Photochemistry and Photobiology A: Chemistry, 447, 115248.	1873–2666	2024

2.	Uniform holographic films of acrylamide/polyvinyl alcohol photopolymer using an automatic film applicator based on doctor blade technique, Heena, Sharma; Komal; Kumar Kamlesh*; Das, Bhargab; Kumar, Raj, Progress in Organic Coatings	1010-6030	2024
3.	Visible light responsive soft actuator based on functional anthracene dye Saifi, Anas; Negi, Charu; Kumar, Kamlesh* European Polymer Journal	2365-6549	2023
4.	Exploring the stereochemistry of In(III)-A3B-type porphyrins axially ligated with <i>p</i> -PDA: synthesis, electronic properties and DFT calculations Devika Sharma, <b>Sujata Kundan*</b> , Amir Fayaz&Tapta Kanchan Roy. <i>Journal of Coordination Chemistry.</i> , 1-25.	1029-0389	2023
5.	Symmetrical Synthesis and Characterization of Five Coordinate In(III) Porphyrins with Salicylic Acid Derivatives Devika Sharma, Deepmala Gupta, <b>Sujata Kundan*</b> , Dr.Gauri.D.Bajju, S.Ravichandran. <i>Rasayan J. Chem.</i> , 16(1), 85-103.	ISSN: 0974-1496(Print); ISSN: 0976-0083(Online)	2023
6.	Accuracy of Different Electronic Basis Set Families for Anharmonic Molecular Vibrations: A Comprehensive Benchmark Study; D. Sharma and <b>T. K. Roy*</b> J. Phys. Chem. A.	1520-5215	2023
7.	The importance of electron correlations on vibrational anharmonicities and potential energy surfaces A. Fayaz, S. Banik and T. K. Roy* Comput. Theor. Chem.	2210-271X	2023
8.	Sulfonated Polybenzimidazole as a PEM in a Microbial Fuel Cell: An Efficient Strategy for Green Energy Generation and Wastewater Cleaning, S. Subhadarshini, J. S. Sravan, O. Sarkar, S. V. Mohan, <b>T. K. Roy</b> and T. Jana, ACS Appl. Energy Mater.	2574-0962	2023
9.	Immobilized SbCl <sub>3</sub> @Chitosan as a Green Heterogeneous Catalyst for the Synthesis of 1,2,4,5-Tetrasubstituted Imidazoles, Shriya, Bindu Syal, Sheetal Verma, Shivani Parothia, Shivani Angral and <b>Princy Gupta*</b> Res. Chem. Intermed., 2024, 50, 1745-1755.	1568-5675	2024
10.	Recent Advancements in the Preparation and Application of Copper Single Atom Catalysts Bindu Syal, Pawan Kumar and Princy Gupta* ACS Appl. Nano Mater., 2023, 6, 4987–5041.	2574-0970	2023
11.	Synthesis, Biological Evaluation, Molecular Docking and Kinetic Investigation of New 2,4,5-Trisubstituted Imidazole Derivatives as	2365-6549	2023

	Antidiabetic Agents Pawan Kumar, Bindu Syal, Pule Seboletswe, Nosipho Cele, Olofinsan, Parvesh Singh*, Md. Shahidul Islam, Deepika Singh and Princy Gupta* ChemistrySelect, 2023, 8, e202300924.		
12.	Halloysite-Based Magnetic Nanostructures for Diverse Applications: A Review Pawan Kumar and Princy Gupta* ACS Appl. Nano Mater., 2023, 6, 13824–13868.	2574-0970	2023
13.	Quantum dots: a tool for the detection of explosives/nitro derivatives Ankush Gupta, Sharanjeet Kaur, Harminder Singh, Shelly Garg, <b>Akshay Kumar</b> , Ekta Malhotra, Analytical Methods, 2023, 15, 6362-6376.	1759-9679	2023
14.	Phytoremediation: An emerging green technology for dissipation of PAHs from soil. Harleen Kaur, Akshay Kumar, Shayla Bindra, Ashish Sharma, Journal of Geochemical Exploration, 2024, 259, 107426.		

#### Research Projects :

Year of Sanction	Funding Agency	Status of Projects
2024 (Dr. Sujata Kundan) (As Principal Investigator)	Title: “Exploring the Stereochemistry of A4- and A3B-type Porphyrin Complexes containing Auxiliary Ligands” Funded By: Government of Jammu and Kashmir, JK Science Technology & Innovation Council (Department of Science and Technology)	Ongoing
2023 (Dr. Sujata Kundan) (As Team Member)	Title: “Drone technology based real time air pollution online monitoring at dumping sites in Jammu Region-adsorption & Sensors application using innovative biomaterials.” Duration: 3 Years Total cost: 6.5 Cr Funded By: PURSE-2023 (Promotion of University Research and Scientific Excellence)	Ongoing
2023 (Dr. Sujata Kundan) (As Team Member)	Funding Agency: DST-FIST (As Team Member)	Ongoing
2024 (Dr. Tapta Kanchan Roy) (As Principal	Title: Study of Accuracy and Interpretability of Electronic Structure Theories for	Ongoing



Investigator)	Computational Vibrational Spectroscopy. Funding Agency:JKST&IC	
2024 (Dr.Tapta Kanchan Roy) (As Principal Investigator)	Title: Development and Implementation of Hybrid Potential Energy Surface for Vibrational Structure Theories. Funding Agency: SERB-CRG	Ongoing
2024 (Dr.Princy Gupta) (As Principal Investigator)	Title: Investigation of Suzuki coupling based novel potential antimalarial agents. Funding Agency:JKST&IC	Ongoing

### Details of Students Achievements

Integrated B.Sc. (Hons.)	M.Sc. Chemistry
Semester X:	ViskasKatosch (Batch-2019)
Qualified Examination:	Gate-2024
Ph.D. Research Scholar	
Name:	Shivani Manhas
Qualified Examination:	JK SET (01-02-2024)
Ph.D. Research Scholar	
Name:	Bindu Syal
Qualified Examination:	JK SET (01-02-2024)

## Department of Mathematics

The Department of Mathematics came into existence in 2011 along with the inception of the Central University of Jammu with only two faculty members. At Present the Department have six faculty members and the department is running three programs (Master Degree Programme in Mathematics, Ph.D in Mathematics & Integrated B.Sc(H)- M.Sc Mathematics). The faculty of Department has specialization in different fields such as: Commutative Algebra, Complex Analysis, Functional Analysis, Nonlinear Dynamic Operation Research, Operator Theory, etc. On the basis of academic performance of the department DST, Govt. of India has sanctioned Rs. 54 lac under FIST Program. The faculty members of the department have also 06 Research Projects funded by NBHM, Department of Atomic energy and UGC.

### Faculty details :

S.No.	Name of the faculty	Designation	Area of specialization
1	Prof. Ajay K. Sharma	Professor & Head	Functions of a Complex variable, Functional Analysis and Operator theory
2	Dr. Uday Pratap Singh	Associate Professor	Nonlinear Systems, Soft Computing, Image Processing, & Nature Inspired Algorithm
3	Dr. Pavinder Singh	Assistant Professor	Combinatorial Commutative Algebra
4	Dr. Kamlesh Kumar	Assistant Professor	Stochastic Processes, Probability & Statistics, Queuing - Modelling
5	Dr. Sanjay kumar	Assistant Professor	Complex Analysis and Operator Theory
6	Dr. Mehak Sharma	Assistant Professor	Functional Analysis & Operator Theory, Function Spaces, Sequences series & Sum ability

### Seminar:

One Day Seminar on Life and Work of Srinivasa Ramanujan

The Department of Mathematics organized One day Seminar on 20 th December, 2023 at Central University of Jammu. The Eminent Speakers: Prof. S. D. Sharma (Ex. Dean of Mathematical Sciences, University of Jammu, Jammu) and Dr. Arvind Kumar (Assistant Professor, Department of Mathematics), IIT Jammu,

Jammu. The seminar which aims at unfolding the contributions of Srinivasa Ramanujan in the field of Mathematics commenced with the welcoming of invited guests followed by lighting of lamp. After that, Prof. Ajay Kumar Sharma, Head, Department of Mathematics shared about the glorious events of the department along with various projects conducted in the department. After that, Dr. Kamlesh Kumar, Assistant Professor, Department of Mathematics highlighted the relevance of Mathematics and discussed the whole proceedings of the seminar. After that, he requested Dr. Uday Pratap Singh, Associate Professor, Department of Mathematics to talk about life and work of Srinivasa Ramanujan. Further, the guest of honor of the seminar was Prof S. D. Sharma (Ex-dean of Mathematical Sciences, University of Jammu). He has also served as the Head of the Department of Mathematics, Central University of Jammu. His research interests include analytic functions, Theory/ Operator theory. He enlightened us with the contributions, life and work of Srinivasa Ramanujan and also emphasized on importance of mathematics. In this order, Prof. Vinay Kumar (Dean, Basic and Applied Sciences and head of the Department of Physics and Astronomical Sciences, and Convener, Satish Dhawan Centre for Space Science) at Central University of Jammu. Prof Vinay Kumar addressed the students by emphasizing that there is no boundary for education. After that, Prof Ajay Kumar Sharma and Dr. Pavinder Singh presented mementos to our Chief guest and Guest of honor respectively. In the next session of the program, Dr. Kamlesh Kumar welcomed our invited speaker Dr. Arvind Kumar, Assistant Professor, Department of Mathematics, IIT Jammu. His academic interests include Number theory, Siegel Modular forms, Galois Representation. He has an excellent research experience and an excellent record of publications in reputed international journals. He has also produced a work titled 'RAMANUJAN-STYLE CONGRUENCES FOR PRIME LEVEL'. He delivered a lecture and taught about Galois representation, importance of modular forms etc. Dr. Kamlesh Kumar presented a memento to our invited speaker. Following this various student of the department of mathematics participated by presenting presentations, poems, song, speeches on life and work of Srinivasa Ramanujan in the field of mathematics.

### **National Conference:**

The Department of Mathematics, Central University of Jammu organized a Two Days National Conference on Recent Advances in Mathematics on 27 th-28 th March, 2024 in Auditorium, Central University of Jammu. The conference aimed at discussing and enhancing knowledge about the recent advances that are taking place in this diverse field of mathematics. The conference commenced with the welcoming of all guests followed by lighting of lamp. Thereafter, all guests were facilitated with bouquets. Prof. Ajay K. Sharma (Convener), Head Department of Mathematics highlighted the departmental activities and the events that take place in the department. Thereafter, Prof. S. D. Sharma (Ex-dean of Mathematical Sciences, University of Jammu), discussed the subject topics and focused on its practical relevance.

Prof. Ritumoni Sarma (Professor, IIT Delhi) also marked the role of mathematics and its practical relevance. Prof. Chanchal Kumar (Professor, IISER Mohali) also marked the importance of the subject and its relevance. Dr. Pavinder Singh (Assistant Professor, Department of Mathematics) highlighted the conference proceedings. Various faculty talks and presentations chaired by various session chairs were organized and thereafter a healthy discussion was taken place. All the dignitaries were given momentos. The presenters were given certificates.

### **Details of Research Projects:**

<b>S.No.</b>	<b>Year of Sanction</b>	<b>Funding Agency</b>
01	2024	DST (SERB) Approved
02	2022	SERB (MATRICS) Running

### **Details of Students Achievements:**

Mr. Sahil Sharma, student of session: 2019-2021 have qualifying a GATE exam in 2023, and pursuing Ph.D from Shri Mata Vaishno Devi University, Katra, J&K.

Mr. Prashant Diwedi, student of session 2021-2023 have qualifying a GATE exam in 2023, pursuing Ph.D from Shri Mata Vaishno Devi, University, Katra Sumit Mishra, student of session 2021-2023 pursuing Ph.D from Mahindra University of Hyderabad.

Mr. Vishal Sharma (0210118) Ph.D scholar of the Department of Mathematics has successfully completed the degree Doctor of Philosophy on 19-09-2023.



## Nano Science and Materials

Department of Nano Science and Materials is functioning since July 2016. First two years department was operated in temporary academic block, sainik colony Jammu. Presently, it is operating in main campus of CUJ, RahyaSuchani (samba), Dist. Bagla, Jammu. Department has vision to become a world leader in research and teaching of Nano Science and Materials as address the local, national and international societal needs for the betterment of mankind and train the young researchers/students for advances in nano and materials technology with ethos. Department is endowed with state of the art instrumentation facilities and high tech labs sponsored by SERB, DRDO, DST. Department having goal to provide a common platform for teachers, scientists and students in an interdisciplinary research environment to do frontline research on the Nano/Materials science for practical applications. Create a dynamic teaching and research atmosphere that will promote interaction and synergies among the different groups of researchers working in the field of Nano Science & Materials and provide opportunities for international exchange of researchers, scientists and students.

### Faculty details :

S.No.	Name	Designation	Area of specialization
1	Prof. Balaji Rao Ravuri	Professor & Head	Energy Storage Materials
2	Dr. Praveen Kumar	Assoc. Professor	Semiconductors and Thin Films
3	Dr. Praveen Kumar Mehta	Assoc. Professor	Microbial Biotechnology
4	Dr. Vishal Singh	Asst. Professor	Multiferroics and Nanostructured Materials
5	Dr. Tanuj Kumar	Asst. Professor	Ion Beam Applications and Sensors
6	Dr. Pragati Kumar	Asst. Professor	Nanomaterials for Optoelectronic Devices and Sensors
7	Dr. Pawan Kumar	Asst. Professor	Porous Material Sensors Clean Energy and Environment

Faculty Achievements during 2024. Dr. Vishal Singh and Dr. Pragati Kumar, Principal Investigators of the JKST&IC sponsored research project.

### Faculty Publications with “IISN NO. /RIN No. /ISBN No.” during 2024

Name of Faculty	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
Prof. Balaji Rao Ravuri	Influence of amorphous intermediate domains on the performance of Na <sub>2</sub> O–Bi <sub>2</sub> O <sub>3</sub> –GeO <sub>2</sub> glass–ceramic anode material system	0947-8396	2023

	Sodium-Bismuth-Titanium glass–ceramic network: A high capacity anode network for Na <sup>+</sup> ion storage	0022-3093	2023
	Glass-Ceramic Na <sub>3+x</sub> [(Zr/Cr) x (Sc/Ti) 2-x (PO <sub>4</sub> ) <sub>3</sub> Electrolyte Materials for Na-Ion Full-Cell Application	1058-4587	2023
	Microstructure and Physical Properties of Nonmagnesium and Magnesium-Based High-Entropy Alloys: A Comparison Study	2379-1365	2023
	The enhanced galvanostatic and impedance studies of silver doped ZnAl <sub>2</sub> O <sub>4</sub> anode material for Li/Na ion batteries	0947-8396	2024
Dr. Praveen Kumar	Staggered Band Alignment – Direct Z-Scheme for photocatalytic activity in Stibnite/rGO Layered Nanohybrids	1873-4359	2024
	<u>Investigation of epsilon near zero modes from Drude-Lorentz optical modelling of reflectance spectrum in plasmonic CuS nanostructured films</u>	1551-7616	2024
	<u>Optoelectronic property correlation with structure and valence band spectra for Fe-doped Zn<sub>2</sub>SnO<sub>4</sub>-nanostructured films</u>	0957-4522	2023
	<u>Layer hybridized exciton–plasmon resonances for enhanced dispersion modes in CuS: Al nanostructured films</u>	2633-5409	2023
Dr. Praveen Kumar Mehta	Designer probiotics: Opening the new horizon in diagnosis and prevention of human diseases.	1097-0290	2023
	Toxicity of nitriles/amides-based products in the environment and their enzymatic bioremediation. Journal of Hazardous Materials Advances	2772-4166	2023
Dr. Vishal Singh	Photocatalytic degradation of methylene blue dye in aqueous solution under UV irradiation using NdMnO <sub>3</sub> :rGO hybrid nanocomposites as a photocatalyst	2666-5239	2023
	Pristine SnO <sub>2</sub> and SnO <sub>2</sub> /rGO nanocomposites: Synthesis, microstructural, optical and electrical characteristics for potential sensing applications	0925-9635	2023
	Impact of rGO Concentration on the Physical Characteristics of CuO/rGO Nanocomposite for Sensing and Optoelectronic Applications	2162-8769	2023

	Effect of aging on microstructural and optical properties of sol-gel dip coated BaTiO <sub>3</sub> thin films	2666-5239	2023
	2D-MXenes to tackle wastewater: From purification to SERS-based sensing	1873-3840	2023
	Wearable flexible memristor based on titanium dioxide (TiO <sub>2</sub> )-Zinc oxide (ZnO) embedded in polyvinyl alcohol (PVA) matrix	1369-8001	2023
	A comparative study on the effect of Cr <sup>3+</sup> , Fe <sup>3+</sup> and Ni <sup>2+</sup> substitution on the dielectric, ferroelectric and electrocaloric response of BST ceramics	1873-3956	2023
	Effect on structural, morphological, electrical and optical properties of GdMnO <sub>3</sub> nanoparticles induced by bismuth substitution	0957-4522	2023
Dr.Tanuj Kumar	Recent Advances and Challenges of Conducting Polymer-Metal Nanocomposites for the Detection of Industrial Waste Gases	2162-8769	2023
	Effects of 300 N <sup>+</sup> Ion Irradiation on Radio-Frequency Sputtered Al-ZnO Thin Films for a Low Energy Regime	2162-8769	2023
	Highly efficient and stable Ra <sub>2</sub> LaNbO <sub>6</sub> double perovskite for energy conversion device applications	2589-2991	2024
	Computational investigation of inverse perovskite SbPX <sub>3</sub> (X= Mg, Ca, and Sr) structured materials with applicability in green energy resources	2352-2143	2023
	Nanotechnology based technological development in biofuel production: current status and future prospects	0141-0229	2023
	Metal-Conducting Polymer Hybrid Composites: A Promising Platform for Electrochemical Sensing	1387-7003	2023
	Electronic structure, theoretical power conversion efficiency, and thermoelectric properties of bismuth-based alkaline earth antiperovskites	1610-2940	2023

	Surface nanostructuring and wettability of low energy Ar <sup>+</sup> irradiated Au/V <sub>2</sub> O <sub>5</sub> /Au multilayer system for SERS detection of rhodamine-6G	0969-806X	2024
	Structural and Optical Properties of N <sup>+</sup> Implanted V <sub>2</sub> O <sub>5</sub> Thin Film on Glass Substrate	2162-8769	2023
	Impact of swift heavy oxygen ion irradiation on the performance of Pt/GaN Schottky diodes and epitaxial layers: A comparative study	0021-8979	2023
	Wearable flexible memristor based on titanium dioxide (TiO <sub>2</sub> )-Zinc oxide (ZnO) embedded in polyvinyl alcohol (PVA) matrix	1369-8001	2024
	Silicon photonics interfaced with microelectronics for integrated photonic quantum technologies: a new era in advanced quantum computers and quantum communications?	2040-3372	2023
Dr. Pragati Kumar	Room temperature ferromagnetism in metal oxides for spintronics: a comprehensive review	1572-817X	2023
	Dopant mediated augmentation of nanotwinning and anomalous emission behavior	0022-2313	2023
	High performance NIR photodetector based on Cd(1-x)Cu <sub>x</sub> S colloidal quantum dots thin films	0022-3697	2023
	CdS based 3D Nano/Micro-Architectures: Formation Mechanism, Tailoring of Visible Light Activities and Emerging Applications in Photocatalytic H <sub>2</sub> Production, CO <sub>2</sub> Reduction and Organic Pollutant Degradation	2050-7496	2023
	Structural, morphological, optical, photoluminescent and electrochemical performance of ZnS quantum dots: Influence of Mn <sup>2+</sup> and La <sup>3+</sup> ions	1872-8014	2023
	Depreciative behavior of nanotwinning towards emission in Ag doped CdS QDs	1572-817X	2023



	Effect of Cr substitution in Nickel Spinel ferrite on the Surface Morphology, Structure, Antibacterial activity and Magnetic properties	1879-0259	2023
	PrMnCo-Ti <sub>3</sub> C <sub>2</sub> MXene nanocomposite-based supercapacitor for the optimization of electrochemical performance	1573-482X	2024
	Iron Sulfide Nanoparticles: Synthesis, Characterization, and Molecular Docking Studies of Its Interaction with Bovine Serum Albumin and Human Serum Albumin	2191-1649	2024
	I-V study of PANI and CdO nanocomposite mixture for low-voltage varistors	1573-482X	2024
	Exchange-coupling enhanced: Tailoring structural and magnetic properties of Dy iron garnet ferrite nanoparticles via La substitution for switching devices	2044-5326	2024
Dr. Pawan Kumar	Synthesis and characterization of ZnO/NiO nanocomposites for electrochemical sensing of p-Cresol in water	2522-5731	2024
	Development of Anti-TNT@Cu-BTC MOF thin film using drop caste method for Trinitrotoluene (TNT) Sensing	1095-9149	
	Chemiresistive Sensing of Nitroaromatic compounds using imidazolate MOF Sensing and Imaging		2024
	Optical sensing of 1-Nitronapthlene in ethanol at room temperature using Zn-Im-MOF		2024
	COF-LZU-1 [(TFB) <sub>2</sub> (PDA) <sub>3</sub> ] imine carrier for pH-controlled drug delivery		2023
	Relative capability analysis on carboxylate and imidazole based MOFs for PVP and PSS photo catalytic degradation in water.		2023
	Optical detection of nitroaromatic compounds using MAPbBr <sub>3</sub> at room temperature,		2023
	Optical properties evaluation on <i>d</i> and <i>f</i> metal ions based dicarboxylic MOFs for pollutant sensing	0250-4707	2023

	comparison study on MIL-53 (Al) and (NH <sub>2</sub> )-MIL-53 (Al) MOF for optical sensing application at room temperature	0250-4707	2023
	Optical detection of nitroaromatic compounds using MAPbBr <sub>3</sub> at room temperature.	0974-3626	2023
	Relative capability analysis on carboxylate and imidazole based MOFs for PVP and PSS photo catalytic degradation in water	1387-7003	2023
	Imine linked AntiBSA@NUS-15 for molecular sensing applications	0974-3626	2023
	Optical Sensing Capability Evaluation for Methylammonium Based Perovskites for Explosive	15734994, 10530509	2023

### Details of Research Projects

Year of Sanction	Funding Agency	Status of Projects
Dr. Vishal Singh Granted on 09-01-2024	JKDST	Ongoing
Dr. Pragati Kumar	JKDST	Ongoing
Dr. Pawan Kumar	PURSE	Ongoing

# SCHOOL OF LIFE SCIENCE

## Department of Environmental Sciences

The Department of Environmental Sciences (EVS) was established in 2012, under the School of Life Sciences at Central University of Jammu. Department is offering Master's programme and Ph.D. in Environmental Sciences. In Master's and Ph.D programme, NEP based course curriculum has been introduced where core, elective, skill based and personality development based courses are offered. And continuous assessment procedure is followed for Student's evaluation.

The Department is committed to provide quality education in Environmental Sciences, which has assumed significance in view of increasing development-sustainability conflicts, and the brut of which is visible in all the sphere of plant Earth. . The Department is dedicated to empower its students for global competition in job market and research innovations through constant review, revision and updating of the course curriculum to keep pace with the advances made in the discipline, emerging areas of research and development and the new technologies to understand and ameliorate environmental problems. The research students have been given choice to specialize in Renewable Energy Options, Water Quality Resource Treatment Options, Natural Resource Management, Green Technologies, Atmospheric and Climate Sciences, Environmental Geosciences, Solid Waste Management and Disaster Management and Mitigation. The teaching pedagogy is learner-oriented than the conventional classroom teaching. The Department is laying stress on hands-on training of the students in the laboratory and in the field according to futuristic needs. The Department is envisaging to achieve all such objectives in Letter and Spirit.

- To assess and evaluate the knowledge of environmental issues on regional, national and global scale.
- To develop a platform between academia and industry for interdisciplinary collaborative research focused on environmental issues.

### Faculty details:

S.No.	Name	Designation	Area of specialization
1.	Dr. Deepak Pathania	Professor	Environmental Monitoring and Assessment Removal of emerging contaminants from water/wastewater Bioremediation Green technologies for environmental restoration Ion-exchange and Adsorption systems
2.	Dr. Sunil Dhar	Professor	Remote Sensing Glaciology Tectonics Environmental Geology Igneous Petrology Himalayan Geology

3.	Dr. Richa Kothari	Professor & Head	Low-cost Wastewater Treatment Technologies Production of Bio-energy options Waste Management
4.	Lt Dr. Pankaj Mehta	Assistant Professor	Rock and Soil Geochemistry Green Buildings IPR
5.	Dr. Shweta Yadav	Assistant Professor	Aerosols Air Quality Climate Human Health
6.	Dr. Dinesh Kumar	Assistant Professor	Meso-scale and extended range weather forecasting Multi-Dimensional Data Assimilation and High-Resolution Land surface data assimilation GIS application in Air Pollution and Natural Resources mapping Climate change studies Using GIS and Land, Atmosphere and Oceanic Coupled Models).
7.	Dr. Ankit Tandon	Assistant Professor	Atmospheric Science Atmospheric Aerosols and Trace Gases Dynamics Climate Dynamics

#### Memorandums of Understanding signed.

MoU signed in between Department of EVS, CUJ and DUT, South Africa for Research and Development on 5<sup>th</sup> June 2023.

#### Faculty Achievements during 2023-2024.

##### a) Expert Lectures in Pioneering Institutes of India

- Lieut. Dr. Pankaj Mehta was invited as a **Resource Person** in **CPCB Sponsored** three days residential training programme organized by Chemical Engineering Department, **IIT Jammu**, J&K, India where he delivered an expert lecture on “*Water Quality Monitoring (Surface, Ground, Wastewater Quality Assurance and Data Interpretation*” (06-03-2024)
- Lieut. Dr. Pankaj Mehta delivered invited lecture on “*Water Management and Waste Management*” organized by **Kendriya Vidyalaya, Nagrota under PM Shri Scheme** and mobilized more than 100 KV Students on important environmental issues (01-02-2024)
- Lieut. Dr. Pankaj Mehta delivered invited lecture on “*Status of Municipal Solid Waste Management of Jammu City J&K, India*” in International Conference ICAFM -2024 jointly organized by **VBS Purvanchal University and Asian Polymer Association, New Delhi**(08-02-2024)



- Lieut. Dr. Pankaj Mehta delivered invited lecture on “*The Role of NCC and Youth in Nation Building*” organized by **SMVDU Katra** (12-03-2024)
- Lieut. Dr. Pankaj Mehta delivered expert lecture on “*Green Buildings: Sustainable business for cleaner and greener Environment*” organized by **SMVDU Katra** (03-12-2023)

**b) Paper Presented in International Conference**

- Lieut. Dr. Pankaj Mehta presented a paper on “*Biological & Medicinal Plant Diversity in Ramayana*” in **International Conference on ‘Resurgent Bharat on the Global Canvas’** at Ambedkar International Centre, New Delhi, organized by **Shaikshik Foundation** in Collaboration with NCPST & Shivaji College, University of Delhi (25-02-2024)

**c) Expert Lectures in NCC Training Academy**

- Lieut. Dr. Pankaj Mehta delivered invited lecture on “Disaster Management in Hilly Regions (J&K)” in Basic Leadership Camp, **NCC Training Academy Nagrota**, 4 J&K Bn Jammu (31<sup>st</sup> July 2023)
- Lieut. Dr. Pankaj Mehta delivered invited lecture on “*Environmental Issues & Concerns*” organized by **National Level EBSB NCC Camp**, NCC Training Academy Nagrota, 4 J&K Bn Jammu (4<sup>th</sup> October 2023)

- **Dr. Shweta Yadav**

- [19<sup>th</sup> March, 2024] Dr. Shweta Yadav has been appointed Adjunct Faculty in Environmental Engineering Division, Department of Civil Engineering, IIT Madras, Chennai for 2 years.
- [18<sup>th</sup> February, 2024] Dr. Shweta Yadav, Member, Indian National Young Academy of Science (INYAS)-Indian National Science Academy (INSA) has been chosen as INYAS-North Zone Coordinator.

**Plenary/Invited Talks by Dr. Shweta Yadav**

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- [20<sup>th</sup> January, 2023] Dr Shweta Yadav participated as Invited speaker and Jury member in ‘Young Scientist Conference(YSC)’ of 9<sup>th</sup> edition of India International Science Festival (IISF) organized by DST and implemented by National Innovation Foundation-India as a Nodal Agency from 17<sup>th</sup> -20 January 2023 at DBT-THSTI & RCB, Faridabad, Haryana.
  - [14<sup>th</sup> December, 2023] Dr Shweta Yadav delivered an invited talk on “Overview of National Clean Air Programme: India’s flagship program for better air quality” under the session “National Projects” during Indian Aerosol Science and Technology Association (IASTA) National conference held in Hotel Vivanta, Navi Mumbai during 12<sup>th</sup> - 14<sup>th</sup> December, 2023.

- [2<sup>nd</sup> December, 2023] Dr Shweta Yadav delivered an invited talk on “Challenge of Anthropogenic Biomass Burning led Air Pollution in India” in One Day symposium Commemorating National Pollution Control Day 2023 organized by Jammu & Kashmir Pollution Control Committee, UT of J&K.
- [31<sup>st</sup> October, 2023] Dr Shweta Yadav delivered an invited talk on “Role of Youth in Sustainable Development” in International Youth Day Celebration organized by Red Ribbon Club, CUJ and J&K Aids control Society, Govt. of J&K.
- [30<sup>th</sup> October, 2023] Dr Shweta Yadav delivered an invited talk on “National Research Funding Opportunities and Grant Writing” in [FDPCAS-2023] Two-week Faculty Development Programme organized by the Department of Chemistry & Allied Sciences, Central University of Jammu.
- [13<sup>th</sup> October, 2023] Dr Shweta Yadav delivered an invited talk on “Igniting young minds to S.T.A.R.T. "Science, Technology, Augment, Research, and Training” Special focus on National & International Fellowship Opportunities” in Lecture series “Embarking on the Research and Industrial Odyssey: Explore, Experiment, Innovate and Celebrate Discoveries” organized by IIT Jammu.
- [16<sup>th</sup> September, 2023] Dr Shweta Yadav delivered an invited talk on “Ozone Recovery and Climate Action: Present Status and Way Forward” in Ozone Day Workshop organized by Jammu & Kashmir Pollution Control Committee, UT of J&K.
- [24<sup>th</sup> August, 2023] Dr Shweta Yadav delivered an invited talk as Moderator in session “Airshed approach – optimising synergies for urban and rural air pollution management” during the fifth edition of the India Clean Air Summit (ICAS) a national-level flagship event, organized by the Centre for Air Pollution Studies (CAPS), Center for Study of Science, Technology and Policy (CSTEP) at Radisson Atria, Bengaluru during 23<sup>rd</sup> -25<sup>th</sup> August, 2023.
- [26<sup>th</sup> July, 2023] Dr Shweta Yadav delivered a Plenary talk on “Aerosol-Biosphere-Climate Interactions: Indian Perspective” in a National Workshop on “Atmospheric Aerosol Measurements and Modeling over India: Past decade, current status, and challenges ahead” organized by CACS IIT Madras and INYAS in Munnar, Kerala during 26<sup>th</sup> - 28<sup>th</sup> July, 2024.
- [22<sup>nd</sup> June, 2023] Dr Shweta Yadav delivered an invited talk on “Unveiling Climate Uncertainty: the Crucial Role of Ice Nucleating Particles in Aerosol-Cloud-Climate Interactions” in Center for Atmospheric and Climate Sciences, IIT Madras, Chennai.
- [19<sup>th</sup> June, 2023] Dr Shweta Yadav delivered an invited talk on "The forgotten story of Organic Carbon in the atmosphere: Key to understand role in Climatic Processes" in the MOD Lab, Materials Group, Bhabha Atomic Research Center, Mumbai.
- [9<sup>th</sup> June, 2023] Dr Shweta Yadav delivered an invited talk as a panelist in session on “Peer-Reviewed Preprints: Benefits and Limitations for Young Indian Researchers” organized by INYAS.
- [27<sup>th</sup> May, 2023] Dr Shweta Yadav delivered an invited talk as a panelist in session on “Towards more harmony and inclusiveness in Higher Education Institutions of India” organized by SPSTI in association

with the Forum of Retired Vice Chancellors and Directors (FRVCD) and Chandigarh chapters of INSA, NASI and INYAS.

- [19<sup>th</sup> May, 2023] Dr Shweta Yadav delivered an invited talk on “Lifestyle for Environment: A Sustainable Solution to Climate Induced Disasters” in National Seminar on “Climate Change and Disaster Risk Reduction: Making Sustainability a way of life” organized by Govt. Degree College for Women, Kathua (JKUT).

### Faculty Publications with “ISSN NO. /RIN No. /ISBN No.” during 2024

*(Based on Scopus)*

S. No.	Title of paper / Book	ISSN NO. /RIN No. /ISBN No	Year of Publication
<b>Prof. Deepak Pathania</b>			
1.	Rai, S.K., <u>Dhar, S.</u> , Kour, G., Sahu, R., Kumar, A., Pathania, D., Mehta, P., Kumar, D., Multi-parametrical analysis of Haptal glacier, lower Chenab basin, Jammu and Kashmir, India: A remote sensing approach, Journal of Earth System Science, 133 (2),72. DOI: 10.1007/s12040-024-02290-7	ISSN: 23474327	2024
2.	Mohan, I., Jasrotia, R., <u>Dhar, S.</u> , Bhau, B.S., Pathania, D., Khargotra, R., Singh, T. Pollution indices and correlation of heavy metals contamination in the groundwater around brick kilns in Jammu and Kashmir, India, Heliyon, 10 (6), e27869. DOI: 10.1016/j.heliyon.2024.e27869	ISSN: 24058440	2024
3.	Mohan, I., Joshi, B., Pathania, D., Dhar, S., Bhau, B.S., Phytobial remediation advances and application of omics and artificial intelligence: a review, Environmental Science and Pollution Research. DOI: 10.1007/s11356-024-33690-3	ISSN: 09441344	2024
4.	Kour, G., Tyagi, I., Dhar, S., Kumari, S., Pathania, D., Kothari, R. Spatio-temporal evaluation of surface water quality of Tawi watershed in the Himalayan region of Jammu (J&K, UT) using algal pollution indices: a geospatial approach, Environmental Monitoring and Assessment, 195 (12), 1402. DOI: 10.1007/s10661-023-11975-3	ISSN: 01676369	2023
5.	Thakur, M., Kumar, A., Sharma, A., Pathania, D. Synthesis of Potato-Starch Based Bio-nanocomposite for the Removal of Trifluralin Under Visible Light Illumination, Chemistry Africa, 7 (4), 1981-1993. DOI: 10.1007/s42250-024-00888-4	ISSN: 25225758	2024
6.	Kothari, R., Azam, R., Bharti, A., Gorla, K., Allen, T., Ashokkumar, V., Pathania, D., Singh, R.P., Tyagi, V.V., Biobased treatment and resource recovery from slaughterhouse wastewater via reutilization and recycling for sustainable waste approach, Journal of Water Process Engineering, 58, 104712. DOI: 10.1016/j.jwpe.2023.104712	ISSN: 22147144	2024
7.	Pathania, D., Kumar, A., Saini, A.K., Saini, R., Mittal, D., Sharma, A., Biochar supported Ag/Cu-ZrO <sub>2</sub> nano-hetero assembly for enhanced adsorption of heavy metal ions and biomedical applications, Nanotechnology for Environmental Engineering. DOI: 10.1007/s41204-024-00363-y	ISSN: 23656379	2024

8.	Goria, K., Kothari, R., Singh, H.M., Kour, H., Ranjan, P., Pathania, D., Exploration of Waste Rice Husk-Based Nano-Silica to Fortify Algal Biomass Harvesting with Charge Neutralization Mechanism, Waste and Biomass Valorization. DOI: 10.1007/s12649-024-02417-3	ISSN: 18772641	2024
9.	Sharma, A., Thakur, M., Kumar, A., Gautam, M., Kumari, S., Pathania, D., Sharma, A., Efficient photodegradation of fast sulphon black and crystal violet dyes from water systems using locust bean gum (LBG)-encapsulated zirconium-based nanoparticles and antibacterial activity, Nanotechnology for Environmental Engineering, 8 (4), 859-877. DOI: 10.1007/s41204-023-00341-w	ISSN: 23656379	2023
10.	Sheikh, Z.U.D., Bajar, S., Devi, A., Rose, P.K., Suhag, M., Yadav, A., Yadav, D.K., Deswal, T., Kaur, J., Kothari, R., Pathania, D., Rani, N., Singh, A., Nanotechnology based technological development in biofuel production: Current status and future prospects, Enzyme and Microbial Technology, 171, 110304. DOI: 10.1016/j.enzmictec.2023.110304	ISSN: 01410229	2023
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16.	Kumar, S., Singh, D., Pathania, D., Awasthi, A., Singh, K., Molybdenum disulphide-nitrogen doped reduced graphene oxide heterostructure based electrochemical sensing of epinephrine, Materials Chemistry and Physics, 297, 127446.	ISSN: 02540584	2023

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17.	Verma, C., Pathania, D., Negi, P., Gupta, P.K., Verma, R.S., Gupta, B., Designing of smart nanogels based on tragacanth gum for cisplatin delivery, <i>Polymer International</i> , 72 (2), 158-165. DOI: 10.1002/pi.6477	ISSN: 09598103	2023
18.	Raina, S., Kumari, K., Pathania, D., Kothari, R., Efficient Hydrogen Production Using Solar Thermal Energy for a Sustainable Future Challenges and Perspectives, <i>Thermal Energy: Applications, Innovations, and Future Directions</i> , 246-261. DOI: 10.1201/9781003345558-15	ISBN: 978100382511 1	2023
19.	Thakur, M., Chandel, M., Rani, A., Sharma, A., Pathania, D. Chemical methods for the treatment of biomedical hazardous waste, <i>Waste Management and Resource Recycling in the Developing World</i> , 521-541. DOI: 10.1016/B978-0-323-90463-6.00008-7	ISBN: 978032390463 6	2023
<b>Prof. Sunil Dhar</b>			
1.	Rai, S.K., <u>Dhar, S.</u> , Kour, G., Sahu, R., Kumar, A., Pathania, D., Mehta, P., Kumar, D., Multi-parametrical analysis of Haptal glacier, lower Chenab basin, Jammu and Kashmir, India: A remote sensing approach, <i>Journal of Earth System Science</i> , 133 (2), 72. DOI: 10.1007/s12040-024-02290-7	ISSN: 23474327	2024
2.	Mohan, I., Jasrotia, R., <u>Dhar, S.</u> , Bhau, B.S., Pathania, D., Khargotra, R., Singh, T. Pollution indices and correlation of heavy metals contamination in the groundwater around brick kilns in Jammu and Kashmir, India, <i>Heliyon</i> , 10 (6), e27869. DOI: 10.1016/j.heliyon.2024.e27869	ISSN: 24058440	2024
3.	Rai, S.K., <u>Dhar, S.</u> , Sahu, R., Kumar, A., Two Decades of Glacier and Glacial Lake Change in the Dhauladhar Mountain Range, Himachal Himalayas, India (2000–2020), <i>Journal of the Indian Society of Remote Sensing</i> , 52 (3), 633-644. DOI: 10.1007/s12524-024-01849-7	ISSN: 0255660X	2024
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5.	Mohan, I., Joshi, B., Pathania, D., Dhar, S., Bhau, B.S., Phytobial remediation advances and application of omics and artificial intelligence: a review, <i>Environmental Science and Pollution Research</i> . DOI: 10.1007/s11356-024-33690-3	ISSN: 09441344	2024
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7.	Kour, G., Tyagi, I., Dhar, S., Kumari, S., Pathania, D., Kothari, R. Spatio-temporal evaluation of surface water quality of Tawi watershed in the Himalayan region of Jammu (J&K, UT) using algal pollution indices: a geospatial approach, <i>Environmental Monitoring and Assessment</i> , 195 (12), 1402. DOI: 10.1007/s10661-023-11975-3	ISSN: 01676369	2023



8.	Prashanth, M., Kumar, A., Dhar, S., Verma, O., Rai, S.K., Kouser, B. Land use/land cover change and its implication on soil erosion in an ecologically sensitive Himachal Himalayan watershed, Northern India, <i>Frontiers in Forests and Global Change</i> , 6, 1124677, . DOI: 10.3389/ffgc.2023.1124677	ISSN: 2624893X	2023
<b>Prof. Richa Kothari</b>			
1.	Ashokkumar, V., Chandramughi, V.P., Kumar, G., Ngamcharussrivichai, C., Piechota, G., Igliński, B., Kothari, R., Chen, W.-H., <i>Advancements in lignocellulosic biomass: A critical appraisal of fourth-generation biofuels and value-added bioproduct</i> , <i>Fuel</i> , 365, 130751. DOI: 10.1016/j.fuel.2023.130751	ISSN: 00162361	2024
2.	Devi, A., Singh, A., Kothari, R., <i>Fungi based valorization of wheat straw and rice straw for cellulase and xylanase production</i> , <i>Sustainable Chemistry for the Environment</i> , 5, 100077. DOI: 10.1016/j.scenv.2024.100077	ISSN: 29498392	2024
3.	Jain, A., Kothari, R., Tyagi, V.V., Kumar Rajamony, R., Shakeel Ahmad, M., Mohan Singh, H., Raina, S., Pandey, A.K., <i>Advances in organic solar cells: Materials, progress, challenges and amelioration for sustainable future</i> , <i>Sustainable Energy Technologies and Assessments</i> , 63, 103632. DOI: 10.1016/j.seta.2024.103632	ISSN: 22131388	2024
4.	Kothari, R., Azam, R., Singh, H.M., Kumar, P., Kumar, V., Singh, R.P., Tyagi, V.V., <i>Nutrients Sequestration from Slaughterhouse Wastewater with Kinetic Model Studies Using <i>C. vulgaris</i> for Lipid Production and Reduction in Freshwater Footprint: A Synergistic Approach</i> , <i>Waste and Biomass Valorization</i> , 15 (3), 1807-1818. DOI: 10.1007/s12649-023-02226-0	ISSN: 18772641	2024
5.	Kothari, R., Azam, R., Bharti, A., Gorla, K., Allen, T., Ashokkumar, V., Pathania, D., Singh, R.P., Tyagi, V.V., <i>Biobased treatment and resource recovery from slaughterhouse wastewater via reutilization and recycling for sustainable waste approach</i> , <i>Journal of Water Process Engineering</i> , 58, 104712. DOI: 10.1016/j.jwpe.2023.104712	ISSN: 22147144	2024
6.	Peter, J.K., Singh, R., Yadav, A.K., Kothari, R., Mehta, P.K., <i>Toxicity of nitriles/amides-based products in the environment and their enzymatic bioremediation</i> , <i>Journal of Hazardous Materials Advances</i> , 13, 100389. DOI: 10.1016/j.hzadv.2023.100389	ISSN: 27724166	2024
7.	Singh, H.M., Tyagi, V.V., Ahmad, S., Kothari, R., <i>Optimization of flocculation efficiency of <i>Chlorella pyrenoidosa</i> with CaCl<sub>2</sub> using the Box-Behnken design of response surface methodology: A cost effective statistical investigation</i> , <i>Biomass Conversion and Biorefinery</i> , 14 (3), 3261-3273. DOI: 10.1007/s13399-022-02491-4	ISSN: 21906815	2024

8.	Goria, K., Singh, H.M., Singh, A., Kothari, R., Tyagi, V.V., Insights into biohydrogen production from algal biomass: Challenges, recent advancements and future directions, <i>International Journal of Hydrogen Energy</i> , 52, 127-151. DOI: 10.1016/j.ijhydene.2023.03.174	ISSN: 03603199	2024
9.	Tyagi, I., Tyagi, K., Ahamad, F., Kothari, R., Kumar, V., Aqueous ecosystem: Environmental metagenomics, water quality, and possible remediation measures, <i>Environmental Metagenomics, Water Quality and Suggested Remediation Measures of Polluted Waters: a Combined Approach</i> , 1-14. DOI: 10.1016/B978-0-443-13659-7.00023-0	ISBN: 978044313659 7	2024
10.	Kothari, R., Singh, H.M., Goria, K., Raina, S., Tyagi, V.V., Ahmad, S., Singh, R., Sharma, A., Sheoran, S., Bruno, F., Buddhi, D., Utilization of rice crop residue to fortify biogas production with mitigation of aerosols for sustainable environment: mechanism, potential strategies, and opportunities, <i>Biomass Conversion and Biorefinery</i> . DOI: 10.1007/s13399-024-05571-9	ISSN: 21906815	2024
11.	Goria, K., Kothari, R., Singh, H.M., Kour, H., Ranjan, P., Pathania, D., Exploration of Waste Rice Husk-Based Nano-Silica to Fortify Algal Biomass Harvesting with Charge Neutralization Mechanism, Waste and Biomass Valorization. DOI: 10.1007/s12649-024-02417-3	ISSN: 18772641	2024
12.	Kumari, S., Kumar, V., Kothari, R., Kumar, P., Nutrient sequestration and lipid production potential of <i>Chlorella vulgaris</i> under pharmaceutical wastewater treatment: experimental, optimization, and prediction modeling studies, <i>Environmental Science and Pollution Research</i> , 31 (5), 7179-7193. DOI: 10.1007/s11356-023-31719-7	ISSN: 09441344	2024
13.	Kour, G., Tyagi, I., Dhar, S., Kumari, S., Pathania, D., Kothari, R., Spatio-temporal evaluation of surface water quality of Tawi watershed in the Himalayan region of Jammu (J&K, UT) using algal pollution indices: a geospatial approach, <i>Environmental Monitoring and Assessment</i> , 195 (12), 1402. DOI: 10.1007/s10661-023-11975-3	ISSN: 01676369	2023
14.	Pathak, A., Rana, M.S., Marafi, M., Kothari, R., Gupta, P., Tyagi, V.V., Waste petroleum fluid catalytic cracking catalysts as a raw material for synthesizing valuable zeolites: A critical overview on potential, applications, and challenges, <i>Sustainable Materials and Technologies</i> , 38, e00733. DOI: 10.1016/j.susmat.2023.e00733	ISSN: 22149937	2023
15.	Sharma, M., Tyagi, V.V., Chopra, K., Kothari, R., Singh, H.M., Pandey, A.K., Advancement in solar energy-based technologies for sustainable treatment of textile wastewater: Reuse, recovery and current perspectives, <i>Journal of Water Process Engineering</i> , 56, 104241. DOI: 10.1016/j.jwpe.2023.104241	ISSN: 22147144	2023
16.	Sheikh, Z.U.D., Bajar, S., Devi, A., Rose, P.K., Suhag, M., Yadav, A., Yadav, D.K., Deswal, T., Kaur, J., Kothari, R., Pathania, D., Rani, N., Singh, A., Nanotechnology based technological development in biofuel production: Current status and future prospects, <i>Enzyme and Microbial</i>	ISSN: 01410229	2023

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17.	Kalidasan, B., Pandey, A.K., Saidur, R., Kothari, R., Sharma, K., Tyagi, V.V., Eco-friendly coconut shell biochar based nano-inclusion for sustainable energy storage of binary eutectic salt hydrate phase change materials, Solar Energy Materials and Solar Cells, 262, 112534. DOI: 10.1016/j.solmat.2023.112534	ISSN: 09270248	2023
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19.	Pathak, A.K., Chopra, K., Tyagi, V.V., Anand, S., Kothari, R., Sari, A., Pandey, A.K., Solar heat pipe ETC integrated with solar still system for water treatment and hot water production: novel hybrid experimental approach, Journal of Thermal Analysis and Calorimetry, 148 (17), 8969-8989. DOI: 10.1007/s10973-023-12281-3	ISSN: 13886150	2023
20.	Kothari, R., Singh, H.M., Azam, R., Gorla, K., Bharti, A., Singh, A., Bajar, S., Pathak, A., Pandey, A.K., Tyagi, V.V., Potential avenue of genetic engineered algal derived bioactive compounds: influencing parameters, challenges and future prospects, Phytochemistry Reviews, 22 (4), pp. 935-968. DOI: 10.1007/s11101-023-09859-y	ISSN: 15687767	2023
21.	Singh, H.M., Sharma, M., Tyagi, V.V., Gorla, K., Buddhi, D., Sharma, A., Bruno, F., Sheoran, S., Kothari, R., Potential of biogenic and non-biogenic waste materials as flocculant for algal biomass harvesting: Mechanism, parameters, challenges and future prospects, Journal of Environmental Management, 337, 117591. DOI: 10.1016/j.jenvman.2023.117591	ISSN: 03014797	2023
22.	Kothari, R., Singh, B., Guldhe, A., Tyagi, V.V., Singh, A., Editorial: Thematic issue "Bio-based materials for biorefineries: innovative processes and concepts" Biomass Conversion and Biorefinery, 13 (9), 7399-7401. DOI: 10.1007/s13399-021-01955-3	ISSN: 21906815	2023
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24.	Kalidasan, B., Deepika, K., Shankar, R., Pandey, A.K., Shahabuddin, S., Kothari, R., Agarwal, P., Sharma, K., Reduction of emission gas concentration from coal based thermal power plant using full combustion and partial oxidation system, Journal of Engineering Research (Kuwait), 11 (1), 197-211. DOI: 10.36909/jer.11927	ISSN: 23071885	2023

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29.	Mahajan, M., Singh, A., Singh, R.P., Gupta, P.K., Kothari, R., Srivastava, V.. Understanding the benefits and implications of irrigation water and fertilizer use on plant health, Environment, Development and Sustainability. DOI: 10.1007/s10668-023-03490-9	ISSN: 1387585X	2023
30.	Singh, A., Kothari, R., Bajar, S., Tyagi, V.V., Sustainable Butanol Biofuels, Sustainable Butanol Biofuels, 1-273.	ISBN: 978100088418 0	2023
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<b>Lt Dr. Pankaj Mehta</b>			
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2.	Rai, S.K., Dhar, S., Kour, G., Sahu, R., Kumar, A., Pathania, D., Mehta, P., Kumar, D., Multi-parametrical analysis of Haptal glacier, lower Chenab basin, Jammu and Kashmir, India: A remote sensing approach, Journal of Earth System Science, 133 (2), 72. DOI: 10.1007/s12040-024-02290-7	ISSN: 23474327	2024
3.	Taloor, A.K., Sharma, S., Sharma, D., Chib, R., Jasrotia, R., Gupta, S., Kothyari, G.C., Mehta, P., Kale, R.V., Estimation of MFFPI for flood hazards assessment using geospatial technology in the Tawi Basin, India, Geosystems and Geoenvironment, 3 (1), 100233. DOI: 10.1016/j.geogeo.2023.100233	ISSN: 27728838	2024
4.	Sharma B, Mehta P, Verma P. A Study on Physical Characterization of Municipal Solid Waste of Jammu City on the basis of Socioeconomic Status of the Population. Curr World Environ 2023;18(3)	ISSN: 0973-4929	2023
5.	Taloor, A.K., Bala, A., Mehta, P., Human health risk assessment and pollution index of groundwater in Jammu plains of India: A geospatial approach, Chemosphere, 313, art. no. 137329. DOI: 10.1016/j.chemosphere.2022.137329	ISSN: 00456535	2023
6.	Thapliyal, A., Kimothi, S., Taloor, A.K., Bisht, M.P.S., Mehta, P., Kothyari, G.C., Glacier retreat analysis in the context of climate change impact over the Satopanth (SPG) and Bhagirathi-Kharak (BKG) glaciers in the Mana basin of the Central Himalaya, India: A geospatial approach, Geosystems and Geoenvironment, 2 (1), 100128. DOI: 10.1016/j.geogeo.2022.100128	ISSN: 27728838	2023

**Dr. Shweta Yadav**

1.	Varghese, E., Krishnamoorthy, S., Patel, A., Thazhekomat, H., Kumari, K., Bhattacharya, B.K., Kundu, S.S., Goswami, J., Verma, R.S., Raghunathan, R., Yadav, S., Gunthe, S.S., Relationship between fungal bioaerosols and biotic stress on crops: a case study on wheat rust fungi, Journal of Plant Diseases and Protection, 131 (3), 823-833. DOI: 10.1007/s41348-024-00868-3	ISSN: 18613829	2024
2.	Jose, C., Singh, A., Kalkura, K.N., Jose, G.V., Srivastava, S., Ammini, R.K., Yadav, S., Ravikrishna, R., Andreae, M.O., Martin, S.T., Liu, P., Gunthe, S.S., Complex Hygroscopic Behavior of Ambient Aerosol Particles Revealed by a Piezoelectric Technique, ACS Earth and Space Chemistry, 8 (5), 983-991. DOI: 10.1021/acsearthspacechem.3c00347	ISSN: 24723452	2024
3.	Kumar, C., Dogra, A., Kumari, N., Yadav, S., Tandon, A., Multi-time-scale surface ozone exposure and associated premature mortalities over Indian cities in different climatological sub-regions, Air Quality, Atmosphere and Health. DOI: 10.1007/s11869-024-01547-w	ISSN: 18739318	2024
4.	Mahant, S., Yadav, S., Gilbert, C., Kjærsgaard, E.R., Jensen, M.M., Kessler, T., Bilde, M., Petters, M.D., An open-hardware community ice nucleation cold stage for research and teaching, HardwareX, 16, e00491. DOI:	ISSN: 24680672	2023



5.	Sharma, K. and Yadav, S., “Air Quality Monitoring Using Geospatial Technology and Field Sensors” in Springer Nature Book “Geospatial Analytics for Environmental Pollution Modelling”.	ISBN 978-3-031-45299-4	2023
<b>Dr. Dinesh Kumar</b>			
1.	Urban water quality and Covid -19 during the lockdown periods: A case study of Ghaggar River, Punjab, India, Urban Water Journal	ISSN: 1744-9006	2024
2.	Multi-parametrical analysis of Haptal Glacier, Lower Chenab basin, Jammu and Kashmir, India, Journal of Earth System Science	ISSN 0253-4126	2024
3.	Tools and Techniques Used in the Modeling of Hydrometeorological Events, IGI Global	978-1-6684-8771-6	2024
4.	The 2013 North Indian Floods A Case Study: A Tale of Devastation and Resilience, IGI Global	9781668487716	2024
5.	Tropical Cyclone: its effects and prediction, PK Publisher & Distributors	978-93-92239-58-8	2023
6.	Cannabis sativa and Its Ability to Combat Climate Change: Unravelling Sustainable Benefits of Cannabis and Its Derivatives, IGI Global	9781668457184	2023
7.	Soil moisture and soil temperature assimilation using HRLDAS for heavy rainfall event forecasting over the Indian region, Bulletin of Environment, Pharmacology, and Life Sciences, Bulletin of Environment, pharmacology and Life Sciences, vol 11(11): 204-214	ISSN: 2277-1808	2023
8.	Satellite radiance assimilation using the 3D-var technique for the heavy rainfall over the Indian region, The Scientific Temper Interdisciplinary Research Journal; Vol. 13 (2): 425-431.	ISSN: 09768653	2023
9.	Distribution and temporal variation of total volatile organic compounds concentrations associated with health risk in Punjab, India, Case Studies in Chemical and Environmental Engineering; Vol-8:1-10.	ISSN : 2666-0164	2023
10.	Climate Change and Extreme Weather Events Over the Indian Subcontinent, PK Publisher & Distributors	978-93-92239-58-8.	2023
<b>Dr. Ankit Tandon</b>			
1.	Kumar, C., Tandon, A., Deciphering multi-temporal scale dynamics in the concentration, sources and processes of near surface ozone over different climatic regions of India, Environmental Science and Pollution Research. DOI: 10.1007/s11356-024-33470-z	ISSN: 09441344	2024

2.	Kumar, C., Dogra, A., Kumari, N., Yadav, S., Tandon, A., Multi-time-scale surface ozone exposure and associated premature mortalities over Indian cities in different climatological sub-regions, <i>Air Quality, Atmosphere and Health</i> . DOI: 10.1007/s11869-024-01547-w	ISSN: 18739318	2024
3.	Dogra, A., Kumar, C., Tandon, A., Utilizing advanced and modified conventional trend methods to evaluate multi-temporal variations in rainfall characteristics over India, <i>Theoretical and Applied Climatology</i> , 155 (1), pp. 371-397. DOI: 10.1007/s00704-023-04640-9	ISSN: 0177798X	2024
4.	Dogra, A., Thakur, J., Tandon, A., Do satellite-based products suffice for rainfall observations over data-sparse complex terrains? Evidence from the North-Western Himalayas, <i>Remote Sensing of Environment</i> , 299, 113855. DOI: 10.1016/j.rse.2023.113855	ISSN: 00344257	2023

### Details of Research Projects / grants

Year of Sanction	Funding Agency	Status of Projects
2023-2028	Department of Science & Technology ((SR/PURSE/2023/204) "Promotion of University Research and Scientific Excellence (PURSE)" grant titled "Drone technology based real time air pollution online monitoring at dumping sites in Jammu Region - Adsorption & Sensors application using innovative biomaterials"; Co-Coordinator: Dr. Shweta Yadav; Amount: INR 6.5 crores.	Ongoing
2021-2024	National Development Foundation and Department of Wildlife, Jammu and Kashmir: "PRI based Geo-Referenced Biodiversity Assessment, Documentation and Conservation Plan of Wild Flora and Fauna of Kishtwar High Altitude National Park (KHANP); Principal Investigator: Prof. Sunil Dhar; Amount: INR 20 Lakhs	Ongoing
September-November 2021	CPCB: "Project on random verification of Annual Inventory of Hazardous Waste Management" Principal Investigator: Lieut. Dr. Pankaj Mehta; Amount INR 2,88,000/-	Completed
March 2021-2026	Level-I, FIST Program-2020 to strengthen the infrastructure facilities in the Department for Research	Ongoing
2020-2023	JKPCC: "Source apportionment of aerosols and carrying capacity in NAC of Jammu/Srinagar" (Phase I) Principal Investigator: Dr. Shweta Yadav; Amount: INR: 2,18,76,000)	Completed
2023-2027	Indo-Swiss Joint Research grant, SNSF-MoES: "ICE nucleating particle and cloUd condensation NuClei properties in the north-western Himalayas (ICE-CRUNCH)"; Principal Investigator: Dr. Shweta Yadav; Amount: CHF 349'925 and INR 1.5 Crores	Ongoing
2022-2025	DST-SERB: "Geo-spatial modelling and analysis of vehicular emissions and health impacts: A case study of Jammu"; Principal Investigator: Dr. Dinesh Kumar; Amount: INR: 45 Lakhs.	Ongoing
2023-2026	DST-SERB CRG: "Thermodynamic evolution of secondary inorganic aerosols in Dhauladhar region of the North-Western Himalaya"; Principal Investigator: Dr. Ankit Tandon; Amount: INR: 55.29,120	Ongoing

## Department of Zoology

The Zoology Department's curriculum, aligned with NEP 2020, emphasizes multidisciplinary education. It focuses on hands-on experience, digital resources, traditional Indian knowledge, and sustainability. Flexibility in electives, industry linkages, continuous assessment, and skill development prepare students for diverse careers in zoology. The Department from time to time organizes invited lectures, student events, conference and workshops to achieve its pursuit to become center of excellence. The faculty of Zoology is a team of vibrant, enthusiastic, assiduous and dynamic workers who are in continuous quest to provide an atmosphere of hard work, discipline, freedom and practicality with focus on education and research, together as a team with one mind, and to make contributions to the research and education of Zoology, as well as the economic growth of the country

### Faculty details:

S.No.	Name	Designation	Area of Specialization
1.	Dr. Ashok Kumar Yadav	Head, Associate Professor	Probiotic, Microbial metabolites, Gut-brain axis
2.	Dr. Dhanananjay Kumar	Associate Professor	Circadian biology of mammals, inflammation and fibrosis, mitochondrial bioenergetics
3.	Dr. Shvetambri Jasrotia	Assistant Professor	Aquatic Biology, Aquaculture, Fisheries, Ecological Impact Assessment
4.	Dr. Anjali Dhar	Assistant Professor	Entomology, Insect Biodiversity and Conservation, Environmental Degradation
5.	Dr. Vinita Sharma	Assistant Professor	Animal Taxonomy, Systematics and Behaviour, Wildlife Conservation Biology
6.	Dr. Stanzin Ladol	Assistant Professor	Neurobiology

### International / National Seminars / Workshops / Webinars Organized in Department

- International Conference on Advances in Biological Sciences for Sustainable Development (ICABSSD-2024)

Department of Zoology organized two-day International Conference on advances in biological sciences for sustainable development ICABSSD - 2024 from 1<sup>st</sup> to 2<sup>nd</sup> March 2024 in the academic block of Central University of Jammu. The mega event was attended by renowned scientists, academicians, entrepreneurs and industrial person across the country and abroad.



DST SERB Sponsored High-End Workshop, 2024, on “Integrating Animal Taxonomy Techniques and Artificial Intelligence in Wildlife Conservation Biology Research”

Department of Zoology organized eight days DST-SERB sponsored high-end workshop (Karyashala) on “Integrating Animal Taxonomy Techniques and Artificial Intelligence in Wildlife Conservation Biology Research” in collaboration of IIC, Central University of Jammu from 14<sup>th</sup> - 21<sup>st</sup> March, 2024. Hands-on training sessions was held covering various techniques ranges from classical taxonomy and digital intervention in Zoological studies and research. Visit to Gharana Wetland Conservation Reserve and Jambu Zoo organized for the participants of the eight-day long workshop from all over India.

### Faculty Achievements

**Dr Ashok Kumar Yadav** Associate Professor has delivered invited lectures as resource person in Refresher Program conducted by UGC-MMTTC, University of Kashmir, Srinagar, J&K UT on 18<sup>th</sup> July 2024.

Dr Ashok Kumar Yadav Associate Professor has delivered invited lectures as resource person in seven days training program on Modern analytical techniques for isolation and identification of industrial microbes organized by Division of Microbiology, Faculty Basic Sciences, SKUAST Jammu in collaboration of IDP, NAHEP from 10 to 14<sup>th</sup> December 2023.

Dr. Shvetambri Jasrotia, Assistant Professor awarded Congress of Zoology Gold Medal by Zoological Society of India on 05-06-2023 at 03-day National Conference on the theme “Changing Course in Global Environment: Challenges and Solutions” on the eve of World Environment Day and 34<sup>th</sup> All India Congress of Zoology at University of Kashmir.

Dr. Vinita Sharma, Assistant Professor has secured a grant of Rs. 500000 from DST SERB Government of India under the Accelerate Vigyan Scheme to organize a workshop High-end Karyashala on “Integrating Animal Taxonomy Techniques and Artificial Intelligence in Wildlife Conservation Biology Research”

Dr. Vinita Sharma, Assistant Professor, Department of Zoology delivered invited lectures in the training program on Wildlife Health Management at Wildlife-Domestic Interface organized by SKUAST-Jammu R.S. Pura, Jammu 19-20 February 2024.

## Details of Research Projects

S.No	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration (Strat and end date)	Amount sanctioned
1.	Dr. Ashok Kumar Yadav	Project No. 61/04/2022/IM M/BMS.dated: 05/01/2023	ICMR, New Delhi	To investigate the protective role of extracellular vesicles derived from probiotic strain of lactobacilli against Atopic Dermatitis and Acne Vulgaris (Start date 19/01/2023 to 18/01/2026 end date)	Rs. 56,07,000/-
2.	Dr. Shvetambri Jasrotia	Project No. JKST&IC/J/14 /2022/453-57	JKDST, GOI	Morphometric and molecular characterization of some fishes of river Chenab, Jammu. (Start date 01/04/ 2024 to 31/03/2026)	Rs. 6,00,000/-



## Department of Botany

The Botany Department at the Central University of Jammu, established in 2016, is dedicated to providing exceptional teaching and conducting pioneering research in the field of botany. Since its inception, the department has served the academic needs of over 150 students from the Union Territory of Jammu and Kashmir as well as various parts of India. The Botany Department's commitment to high-quality teaching and innovative research has attracted students from both the local region and across India. The faculty's dedication to advancing botanical knowledge and training the next generation of botanists creates a stimulating academic environment, making the Central University of Jammu's Botany Department a center for botanical exploration and innovation.

### Faculty details:

S.No.	Name	Designation	Area of specialization
1.	Prof. B. S. Bhau	Professor	Plant biotechnology, Molecular markers, Genetic diversity, Plant genetic transformation, Plant tissue culture, PGPR
2.	Dr. Yogesh Kumar	Associate professor	Plant Virology, Molecular Biology, Host-virus interaction
3.	Dr. Deepak Bhardwaj	Associate professor	Stress Biology
4.	Dr. Samantha Vaishnavi	Assistant professor	Plant Cytogenetics, Genetics
5.	Dr. Vikas srivastva	Senior Assistant professor	Plant Biotechnology and Molecular Biology, Plant-Environment Interaction, Plant Tissue Culture, Plant Specialized Metabolism.
6.	Dr. Ashok kumar	Assistant professor	Plants Taxonomy, Diversity distribution and ecology of plants, DNA barcoding, Stress physiology,

### Faculty Achievements

<b>Dr. Vikas Srivastva</b>	<p><b>Trainings and workshops (Others)</b></p> <ul style="list-style-type: none"> <li>• Participated in ‘Royal Society Leadership Effectiveness Course’ organized in partnership with ‘Imperial College Business School’ at Royal Society (7-9 June, 2023)</li> <li>• Participated in Royal Society Newton International Fellow</li> </ul>
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	Induction Day at Royal Society, London (31 May, 2023)
	<b>Member in Scientific Societies</b> • MRSB, Member Royal Society of Biology, UK.

#### Faculty Publications :

	S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
<b>Dr. Vikas srivastva</b>	1	Plant-Pathogen Interaction (Eds. Praveen K Verma, Sonal Mishra, Vikas Srivastava, Shakti Mehrotra), Springer (2024, 978-981-99-4889-5).	978-981-99-4889-5	2024
	2	Kumari, M., Checker, V.G., Kathpalia, R., Srivastava, V., Singh, I.K. and Singh, A., 2024. Metabolic engineering for enhanced terpenoid production: Leveraging new horizons with an old technique. Plant Physiology and Biochemistry, p.108511.	0981-9428	2024
	3	Bagal, D., Chowdhary, A.A., Mehrotra, S*, Mishra, S*, Rathore, S. and Srivastava, V*. 2023. Metabolic engineering in hairy roots: An outlook on production of plant secondary metabolites. Plant Physiology and Biochemistry, p.107847.	0981-9428	2023
	4	Mishra S, Mehrotra S and Srivastava V* (2023) Editorial: Stress-mediated regulation of plant specialized metabolism. Front. Plant Sci. 14:1290281. doi: 10.3389/fpls.2023.1290281	<b>1664462X.</b>	<b>2023</b>
	5	Rai GK*, Mishra S, Chouhan R, Mushtaq M, Chowdhary AA, Rai PK, Kumar RR, Kumar P, Perez-Alfocea F, Colla G, Cardarelli M*, Srivastava V* and Gandhi SG* (2023) Plant salinity stress, sensing, and its mitigation through WRKY. Front. Plant Sci. 14:1238507. doi: 10.3389/fpls.2023.1238507	<b>1664462X.</b>	<b>2023</b>
	6	Mehrotra, S., Mishra, S. and Srivastava, V., 2024. Plant–Pathogen Interactions Studies:	<b>978-981-99-4889-5</b>	<b>2024</b>

		Combinatorial Approach and Multidisciplinary Benefits. In Plant Pathogen Interaction (pp. 3-9). Singapore: Springer Nature Singapore.		
	1	Plant-Pathogen Interaction (Eds. Praveen K Verma, Sonal Mishra, Vikas Srivastava, Shakti Mehrotra), Springer (2024, 978-981-99-4889-5).	<b>978-981-99-4889-5</b>	<b>2024</b>
	3	Bagal, D., Chowdhary, A.A., Mehrotra, S*, Mishra, S*, Rathore, S. and Srivastava, V*. 2023. Metabolic engineering in hairy roots: An outlook on production of plant secondary metabolites. Plant Physiology and Biochemistry, p.107847.	<b>0981-9428</b>	<b>2023</b>
<b>Dr. Yogesh Kumar</b>	1	P. Lager, J. Sharma, Y. Kumar. First report of a begomovirus and associated betasatellite causing yellow veinmosaic disease of <i>Celosia cristata</i> . New Disease Reports(2023) 48, e12211 1-4	2044-0588	2023
	2	P. Lager, J. Sharma and Y. Kumar. Integration of Transcriptomic approaches towards understanding Begomovirus Infection in Plants. Int. J. Curr. Microbiol. App. Sci. (2023)12(08): 196-206	2319-7706	2023
	3	P. Lager and Y. Kumar. Alterations in biochemical components of bitter gourd, sponge gourd, and okra plants infected with Tomato leaf curl New Delhi virus. International Journal of Research and Analytical Reviews (2023) 10(3): 633-648	2349-5138	2023
	4	P. Lager and Y. Kumar. Molecular characterization of a begomovirus associated with leaf crumpling and severe mosaic disease of bell pepper. Australasian Plant Disease Notes (2023) 18:32 (1-7)	1833-928X	2023
	5	Genome Editing in Crop Improvement, Nova Publishers Inc. New York	979-8886977400	2023
	6	N. Singh, V. Maurya, I. Sharma, Y. Kumar, R. Kumar, and A. Sharma. Combinations of PGPR with Other Soil Micro- and	979-8891131606	2023

		Macro- Organisms for Improved Stress Tolerance in Plants. In: PGPR (Plant Growth Promoting Rhizobacteria) for Plant Stress Management. Nova Science Publishers, Inc. pp 83-107		
	7	A. Sharma, A. Sharma, A. Sharma, Y. Kumar, P. Sharma, R. Bhardwaj & I. Sharma. Polyphenol Phytoalexins as the Determinants of Plant Disease Resistance. In: Plant Phenolics in Biotic Stress Management. Springer, Singapore pp 243–274	978-981-99-3333-4	2024
<b>Dr. Ashok Kumar</b>	1.	Amit Kumar, Vinod Kumar Andr�es Rodr�guez-Seijo, Raj Setia, Sumit Singh, Ashok Kumar, Chandra Shekhar Seth, Renato Somma Appraisal of heavy metal(loid)s contamination in rice grain and associated health risks <i>Journal of Food Composition and Analysis</i> 131 106215 <a href="https://doi.org/10.1016/j.jfca.2024.106215">https://doi.org/10.1016/j.jfca.2024.106215</a>	0889-1575	2024
	2.	Anchal Thakur, Ruchika Kumari, Ashok Kumar and Ashun Chaudhary. Quantitative ethnobotanical study of medicinal plants used by native people of selected areas of Chhota Bhangal, Himachal Pradesh. <i>Ethnobotany Research and Applications</i> 28:46 <a href="http://dx.doi.org/10.32859/era.28.46.1-29">http://dx.doi.org/10.32859/era.28.46.1-29</a>	1547-3465	2024

**Students Achivement :-**

**1. Abish Hansa- GATE,2024**

**2. Umesh Zadoo- NET- JRF, 2024**

# **SCHOOL OF KNOWLEDGE, MANAGEMENT, INFORMATION AND MEDIA STUDIES**

## **Department of Mass Communication and New Media**

The Department of Mass Communication and New Media (MCNM) focuses on the study and practice of media, communication, and digital technologies. This interdisciplinary field integrates traditional media (such as television, radio, and print) with new media platforms, including social media, digital journalism, and online content creation. The department aims to equip students with the skills necessary to navigate and shape the evolving media landscape.

Since its inception, the Department is constantly striving to be a centre of excellence in media and communication, creating a strong force of communication professionals who can lead the rapidly evolving and dynamic media world. MCNM is regularly upgrading its infrastructure and improving pedagogy and curriculum to keep pace with the ever-changing industry demands and media landscape.

MCNM has a vision is to cultivate future leaders, creative thinkers, and effective communicators who can make a positive impact on society through various media platforms. The Department constantly strives is to provide students with a comprehensive and engaging learning experience that combines theory and practice, equipping them with the skills and knowledge necessary to excel in the ever-evolving field of mass communication. Currently, MCNM is running a fulltime 2-year master's degree (MA) programme and a doctoral research (PhD) programme in the field of mass communication, media and journalism. MCNM's cutting-edge curriculum is a perfect blend of theory and practice with focus on training the next generation of media/communication professions capable of excelling as leaders in wide range of media fields.

The doctoral programme promotes research on a variety of cutting-edge topics having immediate academic, industrial, and societal implications. MA (Mass Communication and New Media) degree programme is designed to provide learners with a deep understanding of the intricacies of media, communication theories, journalism, digital media, public relations, and more. Through a combination of engaging lectures, hands-on workshops, real-world projects, and industry interactions, students will gain practical insights into the world of media and communication. The programme seeks to foster acquisition of critical thinking among students so that they understand the relationship between the production, reception and construction of meanings in all forms of communication.

The Department's dedicated and experienced faculty members bring in a wide range of expertise and specialisations. MCNM follows a student centric approach of teaching, providing students an excellent learning environment where they 1) explore various forms of media, from traditional to digital platforms, 2) develop strong storytelling and content creation skills, 3) learn about media ethics, cultural sensitivity, and responsible communication, 4) gain practical experience through projects, internships and collaborations with media organizations, and 5) develop critical thinking abilities to create and analyse media messages effectively. This enables our students not only to enhance their employability, but also to inculcate a sense



of innovation and entrepreneurship. The dedicated and experienced faculty at MCNM are not only imparting the necessary knowledge and skills needed for transforming students into effective professionals but also striving to cultivate them as responsible and concerned citizens having strong values of ethics, education, nationalism, truth, service and innovation. MCNM Faculty are also keenly working on developing appropriate mechanisms to support, nurture and incubate their innovative ideas into successful media ventures and startups. Department's alumni work as innovators, producers, editors, storytellers, influencers, and assume many other roles and find employability in a variety of media and allied organisations.

#### Faculty details :

S. No.	Name	Designation	Area of specialization
1	Dr. Abhay SD Rajput	Associate Professor and Head	Science Communication, STS, Science Journalism,
2	Dr. Umesh Kumar	Associate Professor	Communication, Advertising and Public Relations, Media Research
3	Dr. Bachha Babu	Assistant Professor	Development Communication, Audio-Visual media
4	Mr. Rashid Ali	Assistant Professor	New Media
5	Mr. Manish Prakash	Assistant Professor	New Media, Cinema Studies, Popular Culture

#### Faculty Publications with "IISN NO. /RIN No. /ISBN No." during 2024

##### Dr. Umesh Kumar

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
1.	Panini rachit Ashtadhyayai me bhashaaur Sancharkalakiawdharana	Sanchar Madhyam Journal, IIMC, New Delhi 2321-2608	2024
2.	Advance Advertising	Bimb-Pratibimb Publication New Delhi 978-93-91562-80-9	September 2023
3.	Media : SuchnaBanamManoranjan	Samvad Path, Kendriay Hindi Sansthan, New Delhi 2581-7353	2023

##### Mr. Manish Prakash

S.No.	Title of paper / Book	IISN NO. /RIN No. /ISBN No	Year of Publication
1.	Korean Entertainment Media penetration in rural region of Jammu and Kashmir	2249-2976	2023

## OFFICE OF DEAN STUDENTS' WELFARE

### Faculty/ Staff Members details

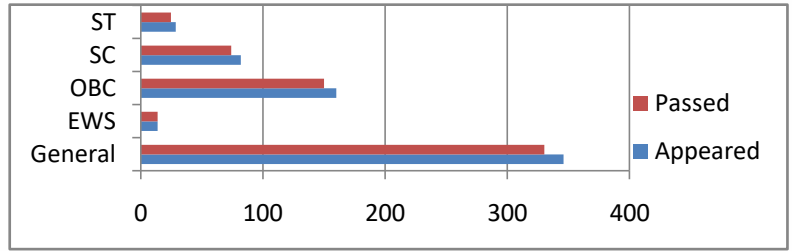
<b>S.No.</b>	<b>Name</b>	<b>Designation</b>	<b>Area of specialization</b>
1	Prof. Ritu Bakshi	Dean Students' Welfare	
2	Dr. Vinay Kumar	Associate Dean Students' Welfare	
3	Mr. Mukesh Kumar	LDC	

<b>Event 2023-24, Under Dean Students' Welfare</b>			
<b>S.No.</b>	<b>Event</b>	<b>Date</b>	<b>Photos</b>
<b>1</b>	<b>UDAAN-2023</b>	<b>26.04.2023 to 28.04.2023</b>	
<b>4</b>	<b>Akhil Bhartiya Shiksha Samagam</b>	<b>29.07.2023 to 30.07.2023</b>	
<b>5</b>	<b>Meri Mati Mera Desh</b>	<b>13.10.2023 to 30.10.2023</b>	
<b>6</b>	<b>Har Ghar Tiranga 2023</b>	<b>14.08.2023</b>	

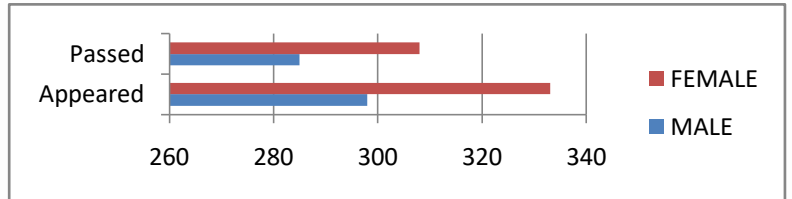


## EXAMINATION WING

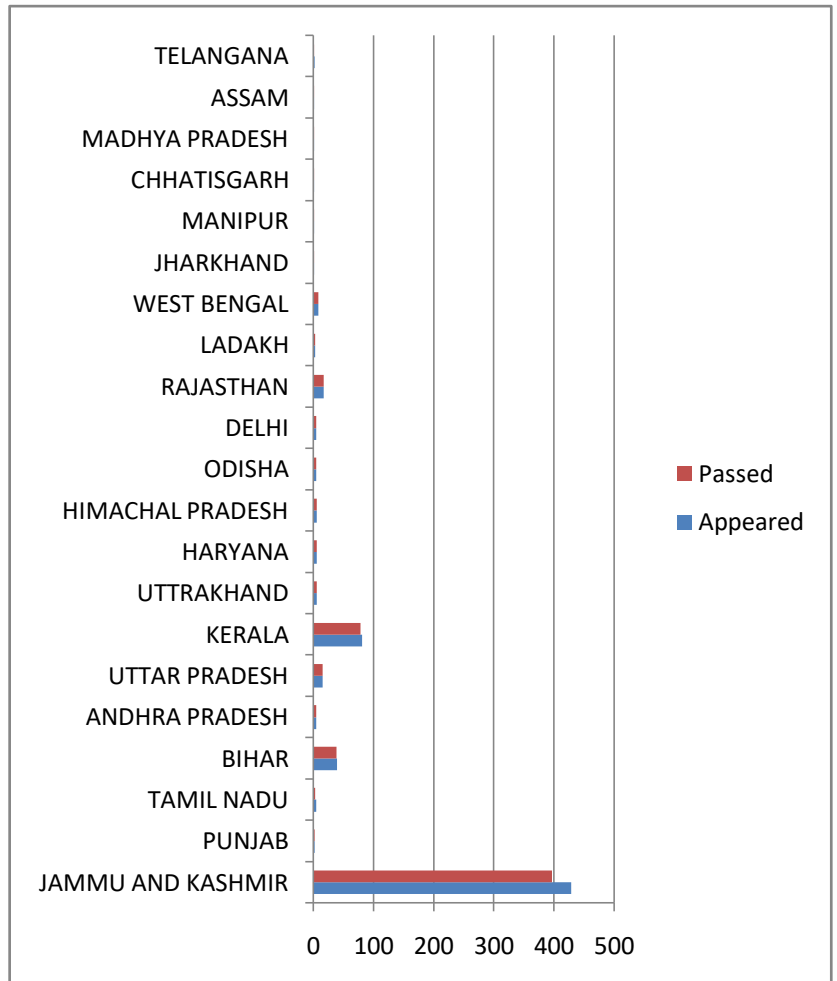
Category	Appeared	Passed
General	346	330
EWS	14	14
OBC	160	150
SC	82	74
ST	29	25
	631	593



Gender	Appeared	Passed
MALE	298	285
FEMALE	333	308
	631	593



State	Appeared	Passed
JAMMU AND KASHMIR	428	396
PUNJAB	2	2
TAMIL NADU	4	3
BIHAR	39	38
ANDHRA PRADESH	4	4
UTTAR PRADESH	15	15
KERALA	81	78
UTTRAKHAND	5	5
HARYANA	5	5
HIMACHAL PRADESH	5	5
ODISHA	4	4
DELHI	4	4
RAJASTHAN	17	17
LADAKH	3	3
WEST BENGAL	8	8
JHARKHAND	1	1
MANIPUR	1	1
CHHATISGARH	1	1
MADHYA PRADESH	1	1
ASSAM	1	1
TELANGANA	2	1
	631	593





## Faculty Appointments

**w.e.f. 01.04.2023 to 31.03.2024**

S.No.	Name	Designation	Department
1.	Prof. Santap Sanhari Mishra	Professor	Public Policy & Public Administration
2.	Dr. Kamlesh Kumar	Associate Professor	Chemistry and Chemical Sciences
3.	Dr.Swarkar Sharma	Associate Professor	Molecular Biology
4.	Dr. Narendra Kumar Bairwa	Associate Professor	Molecular Biology
5.	Dr. Ankit Tandon	Assistant professor	Environmental Sciences
6.	Sh. Jai Bhawani Singh	Assistant professor	Public Policy and Public Administration
7.	Dr. Arun Yadav	Assistant professor	Marketing Supply Chain Management
8.	Dr. Sunil Datt Sharma	Associate Professor	Electronics Communication and Engineering
9.	Dr.Susmita Ekka	Assistant professor	Human Resource Management and Organizational Behaviour
10.	Dr. Anuradha Choudhary	Assistant professor	National Security Studies
11.	Sh. Biswabhusan Pradhan	Assistant professor	Tourism and Travel Management
12.	Dr. Neeta Rani	Associate Professor	National Security Studies
13.	Dr. R Sudhakar	Associate Professor	National Security Studies
14.	Prof. Dinesh Kumar	Professor	Computer Sciences and Engineering
15.	Mr. Zakir Ahmad Sheikh	Assistant professor	Computer Sciences and Information Technology
16.	Dr. Praveen Kumar Mehta	Associate Professor	Nano Sciences and Materials
17.	Dr.Susanta Nag	Associate Professor	Economics
18.	Dr. Mehak Sharma	Assistant professor	Mathematics
19.	Dr. Deepak Bhardwaj	Associate Professor	Botany
20.	Dr.Manvi Rajput	Assistant professor	Physics and Astronomical sciences
21.	Dr.Pravesh Pal	Assistant professor	Electronics Communication and Engineering
22.	Dr.Gurram V Snigdha Raj	Assistant professor	Centre for Comparative Religion and Civilizations
23.	Dr. Sanjeev Yadav	Associate Professor	Electronics Communication and Engineering
24.	Dr.Shashikanta Mishra	Associate Professor	Hindi & other Indian Languages
25.	Dr. Arvind Rituraj	Associate Professor	Centre for Comparative Religion and Civilizations
26.	Dr. Sudhir Singh	Assistant Professor	Centre for Molecular Biology
27.	Dr.Niranjna Bhandari	Professor	Centre for Comparative Religion and Civilization
28.	Prof. Asit Kumar Mantry	Professor	Educational Studies
29.	Prof. Aswini Kumar Nanda	Professor	Economics

30.	Prof. Ajai Pal Sharma	Professor	Marketing and Supply Chain Management
31.	Prof. Kusum Kumari	Professor	Physics and Astronomical Sciences
32.	Prof. Bharat Bhushan	Professor	Hindi and Other Indian Languages
33.	Prof. Balaji Rao Ravuri	Professor	Nano Sciences and Materials
34.	Prof. Rakesh Jha	Professor	Electronics and Communication Engineering
35.	Dr. Bijender Kumar	Associate Professor	Hindi and Other Indian Languages
36.	Dr. Yogesh Kumar	Associate Professor	Botany
37.	Dr. Umesh Kumar	Associate Professor	Mass Communication and New Media
38.	Dr. Dhanananjay Kumar	Associate Professor	Zoology
39.	Dr. Neelika Arora	Associate Professor	Marketing and Supply Chain Management
40.	Dr. Ranjeet Kumar Raman	Associate Professor	Tourism and Travel Management
41.	Dr. Uday Pratap Singh	Associate Professor	Mathematics
42.	Dr. Praveen Kumar	Associate Professor	Nano Sciences and Materials
43.	Dr. Abhay SD Rajput	Associate Professor	Mass Communication and New Media
44.	Dr. Mahendra Singh	Associate Professor	Tourism and Travel Management
45.	Dr. Ashok Kumar Yadav	Associate Professor	Zoology
46.	Dr. Ashish Kumar	Associate Professor	Physics and Astronomical Sciences
47.	Dr. Pradeep Kumar Singh	Associate Professor	Computer Science and Engineering
48.	Dr. Bhavna Arora	Associate Professor	Computer Science and Engineering
49.	Dr. Bijender Kumar	Associate Professor	Hindi and Other Indian Languages
50.	Sh. Fateh Lal Bheel	Assistant Professor	Social Work
51.	Dr. Mohan Galgotra	Assistant Professor	Educational Studies
52.	Dr. Gourav Kumar	Assistant Professor	Computer Science and Engineering
53.	Dr. Misbah Shafi	Assistant Professor	Electronics and Communication Engineering
54.	Sh. Arun Kumar Sharma	Assistant Professor	Computer Science and Engineering
55.	Sh. Gaurav Thakur	Assistant Professor	Computer Science and Engineering
56.	Ms. Harnain Kour	Assistant Professor	Computer Science and Engineering
57.	Dr. Palak Mahajan	Assistant Professor	Computer Science and Engineering
58.	Sh. Vishal	Assistant Professor	Economics
59.	Sh. Indra Pratap	Assistant Professor	Public Policy and Public Administration
60.	Dr. Jasvinder Pal Singh	Assistant Professor	Computer Science and Engineering
61.	Dr. Onkar Nath Verma	Assistant Professor	Physics and Astronomical Sciences
62.	Sh. Rajiv Kumar	Assistant Professor	Electronics and Communication Engineering
63.	Dr. Priyank Sharma	Assistant Professor	Electronics and Communication Engineering

**Non- Teaching Staff Appointments w.e.f. 01.04.2023 to 31.03.2024**

<b>S.No.</b>	<b>Name</b>	<b>Designation</b>
1.	Ms. Radha Kumari	Personal Assistant
2.	Mr. Arjun Goutam	Assistant
3.	Ms. Divya Sharma	Statistical Assistant
4.	Sh. Kumar Ayush	Junior Engineer(Civil)
5.	Sh. Suresh Chowdhary	Driver
6.	Sh. Bansi Lal	Driver
7.	Sh. Sanjay	Lower Division Clerk
8.	Sh. Mukesh Kumar	Lower Division Clerk
9.	Ms. Neetu Gupta	Lower Division Clerk
10.	Ms. Vasudha Khajuria	Lower Division Clerk
11.	Ms. SunehaDabgotra	Lower Division Clerk
12.	Sh. Rahish Kumar	Lower Division Clerk
13.	Sh. Harish Badgal	Lower Division Clerk
14.	Sh. Sahil Singh Sambyal	Lower Division Clerk
15.	Sh. RajanBadyal	Public Relation Officer

## INAUGURATION OF NCC GIRL'S WING

The NCC Girl's Wing was formally inaugurated by the Honourable Vice Chancellor, Prof. Sanjeev Jain, on Republic Day. This significant event marked the beginning of the Girls Wing at the Central University of Jammu, enhancing opportunities for young women in leadership and national service.



### हिंदी प्रकोष्ठ

जम्मू केंद्रीय विश्वविद्यालय में हिंदी प्रकोष्ठ की स्थापना हिंदी अधिकारी की नियुक्ति के साथ वर्ष 2014 में की गई है। हिंदी प्रकोष्ठ की स्थापना का मुख्य उद्देश्य भारत सरकार के द्वारा समय-समय पर जारी राजभाषा नियमों से संबंधित आदेशों, अनुदेशों का अनुपालन और विश्वविद्यालय के प्रशासनिक कार्यों में हिंदी का प्रयोग सुनिश्चित करना है। विश्वविद्यालय के सभी विभागों/अनुभागों को हिंदी प्रकोष्ठ, अनुवाद संबंधी प्रशासनिक सहायता, प्रशिक्षण व अन्यक सुविधाएं उपलब्ध करवान में महत्वपूर्ण भूमिका निभाता है।

26 जनवरी, 1950 को संविधान के लागू होने के साथ ही संविधान के अनुच्छेद 343 के अनुसार हिंदी को भारतीय संघ की राजभाषा बनाया गया है तथा भारत सरकार को हिंदी के प्रयोग के स्तर को बढ़ावा देने का उत्तरदायित्व सौंपा गया है। तत्पश्चात् राजभाषा अधिनियम 1963 अस्तित्व में आया। राजभाषा अधिनियम बनने के बाद, राजभाषा नियम 1976 लागू किया गया। राजभाषा विभाग, गृह मंत्रालय, निरंतर हिंदी को राजभाषा के रूप में प्रयोग करने के लिए आदेश जारी करता है।

जम्मू केंद्रीय विश्वविद्यालय हिंदी भाषा को बढ़ावा देने के उद्देश्य से गृह मंत्रालय के राजभाषा विभाग द्वारा जारी आदेशों, नियमों और संकल्पों को पूरा करने के लिए सभी प्रयासरत है। इस उद्देश्य की पूर्ति के लिए जम्मू केंद्रीय विश्वविद्यालय में हिंदी प्रकोष्ठ की स्थापना की गई ताकि सरकारी कार्यों में हिंदी का अधिक से अधिक प्रयोग सुनिश्चित किया जा सके।

### उद्देश्य

हिंदी प्रकोष्ठ का उद्देश्य है कि सभी लोग सरकार की भाषा नीति और राजभाषा नियमों को जानें तथा विश्वविद्यालय के किसी भी कार्य में भाषा संबंधी कोई रुकावट न आने पाए। हम लोग भाषाएं पढ़ें, सीखें, राजभाषा नियमों का अनुपालन करें परंतु एक आनंद के साथ।

1. विश्वविद्यालय के समस्त संस्थानों अध्ययनशालाओं/विभागों/अनुभागों कार्यालयों में संघ की राजभाषा नीति के मूलाधार-आग्रह, प्रेरणा एवं प्रोत्साहन के माध्यम से राजभाषा हिंदी के प्रागामी प्रयोग को निरंतर बढ़ावा देना।
2. विश्वविद्यालय की समस्त अध्ययनशालाओं/विभागों/अनुभागों कार्यालयों को राजभाषा हिंदी के प्रयोग के लिए आवश्यक निदेश एवं मार्गदर्शन देना।
3. विश्वविद्यालय में संघ की राजभाषा नीति, कार्यक्रमों तथा संबंधित गतिविधियों का प्रचार-प्रसार करके हिंदी के अधिकाधिक प्रयोग के प्रति जागरूकता उत्पन्न करना।
4. विश्वविद्यालय में संघ की राजभाषा नीति के क्रियान्वयन की स्थिति की निगरानी करना और उसकी समीक्षा करना।

5. राजभाषा हिंदी से संबंधित अधिनियम/नियम/आदेश/अनुदेश के समुचित अनुपालन के उद्देश्य से कार्यप्रणाली में पारदर्शिता तथा जवाबदेही सुनिश्चित करना।
6. पर्यावरण संरक्षण को ध्यान में रखते हुए राजभाषा हिंदी के प्रयोग हेतु उपलब्ध तकनीकी सुविधाओं का अधिक से अधिक इस्तेमाल करना।

दूरदर्शिता : राजभाषा हिंदी के प्रयोग के क्षेत्र में विश्वविद्यालय को उत्कृष्टता केंद्र के रूप में स्थापित करना जिससे यह अपनी विश्वव्यापी प्रतिष्ठा के अनुरूप अन्य शैक्षणिक संस्थाओं के लिए आदर्श व अनुकरणीय बन सके। मिशनप्रेरणा, प्रोत्साहन, प्रशिक्षण के माध्यम से अधिकारियों, कर्मचारियों के हिंदी ज्ञान में अभिवृद्धि तथा हिंदी के प्रति प्रेम और अपनत्व का भाव जगाना।

### राजभाषा अनुभाग के कर्मचारी

सहायक निदेशक (रा.)	डॉ. प्रियंजन
हिंदी अनुवादक	सतीश प्रसाद
हिंदी टंकक	विनीत कुमार

### राजभाषा प्रकोष्ठ के प्रमुख कार्य एवं गतिविधियां

- संघ का राजकीय कार्य हिंदी में करने के लिए राजभाषा विभाग, गृह मंत्रालय, भारत सरकार द्वारा जारी वार्षिक कार्यक्रम का क्रियान्वयन जम्मू केंद्रीय विश्वविद्यालय में करना।
- प्रत्येक तिमाही में राजभाषा कार्यान्वयन समिति की बैठक आयोजित करना, कार्यवृत्त तैयार करना और इस विश्वविद्यालय में परिचालित करना।
- हिंदी तिमाही प्रगति रिपोर्ट समेकित करना एवं इसे राजभाषा विभाग, गृह मंत्रालय, शिक्षा मंत्रालय, भारत सरकार, नई दिल्ली व विश्वविद्यालय अनुदान आयोग, नई दिल्ली तथा नगर राजभाषा कार्यान्वयन समिति को प्रेषित करना।
- हिंदी सम्मेलन/कार्यशालाओं का आयोजन करना।
- हिंदी पत्रिका 'उत्तर वाहिनी' का प्रकाशन करना।
- विश्वविद्यालय में राजभाषा हिंदी के प्रगामी प्रयोग हेतु अपेक्षित परिपत्र जारी करना।
- विश्वविद्यालय की विभिन्न विभागों/कार्यालयों/अनुभागों/प्रभागों से प्राप्त हिंदी तिमाही प्रगति रिपोर्टों की समीक्षा करना तथा तत्संबंधी आवश्यक दिशा-निर्देश जारी करना।
- शिक्षा मंत्रालय, नई दिल्ली तथा विश्वविद्यालय अनुदान आयोग, नई दिल्ली से प्राप्त आदेशों/अनुदेशों का अनुपालन करना एवं पत्रादि का प्रत्युत्तर देना।
- अधिकारियों/कर्मचारियों के हिंदी ज्ञान से संबंधित रोस्टर तैयार करना।
- आवश्यकतानुसार अधिकारियों/कर्मचारियों को हिंदी के प्रशिक्षण की व्यवस्था करना।
- हिंदी दिवस/सप्ताह/पखवाड़ा का आयोजन तथा इसके दौरान विभिन्न कार्यक्रमों/प्रतियोगिताओं का आयोजन।
- हिंदी में उत्कृष्ट कार्य करने वाले कार्मिकों/शाखाओं को पुरस्कृत करना।
- विश्वविद्यालय के विभागों/कार्यालयों/अनुभागों/प्रभागों का राजभाषा संबंधी निरीक्षण करना।
- अखिल भारतीय राजभाषा सम्मेलनों में जम्मू केंद्रीय विश्वविद्यालय का प्रतिनिधित्व करना।
- हिंदी के प्रगामी प्रयोग के संबंध में भारत सरकार द्वारा समय-समय पर जारी किए जाने वाले आदेशों/अनुदेशों/दिशानिर्देशों इत्यादि से विश्वविद्यालय के अधिकारियों/कर्मचारियों को अवगत कराना।



## जम्मू केंद्रीय विश्वविद्यालय की राजभाषा क्रियान्वयन समिति

प्रो संजीव जैन. कुलपति	अध्यक्ष
प्रो यशवंत सिंह (डॉ.) कुलसचिव (प्रभारी)	सदस्य
प्रो सूरम सिन्ह परीक्षा नियंत्रक (प्रभारी)	सदस्य
मो इकबाल. वित्त अधिकारी (प्रभारी)	सदस्य
श्रीमती शफला परिहार उप कुलसचिव	सदस्य
श्री विशाल वगोत्रा अधिष्ठाती अभियंता	सदस्य
श्री विकास गुप्ता सहायक कुलसचिव (संपदा)	सदस्य
श्री अजय शर्मा सहायक कुलसचिव (अकादमिक)	सदस्य
श्री शलैन्द्र सलाथिया सहायक कुलसचिव (स्थापना)	सदस्य
श्री उदित महाजन तंत्र विश्लेषक	सदस्य
श्री ध्रुव पुस्तकालय वैज्ञानिक	सदस्य
डॉ. प्रियंजन. सहायक निदेशक (भ.रा)	सदस्य सचिव

## वर्ष के दौरान राजभाषा से संबंधित प्रमुख गतिविधियां

### हिंदी पखवाड़े का अयोजन

जम्मू केंद्रीय विश्वविद्यालय में आज 14 सितम्बर 2023 से 29 सितम्बर 2023 तक चलने वाले हिंदी पखवाड़े का शुभारंभ किया गया है। हिंदी दिवस के उपलक्ष्य पर आज दिनांक 14 सितम्बर को एक कार्यक्रम का आयोजन विश्वविद्यालय के कुलपति प्रो. संजीव जैन जी की अध्यक्षता में किया गया। जवकी कार्यक्रम में मुख्य वक्ता के रूप में आई आई एम सी के डॉ. दिलीप कुमार जी रहे।

कार्यक्रम का शुभारंभ करते हुए हिंदी एवं अन्य भारतीय भाषा विभाग के विभागाध्यक्ष, प्रो. भारत भूषण जी ने सभी आमंत्रित सदस्यों का स्वागत किया। उन्होंने हिंदी दिवस पर चर्चा करते हुए कहा कि हिंदी दिवस हर साल 14 सितंबर को मनाया जाता है, ताकि हम सभी अपनी मातृभाषा के महत्व को समझ सकें और इसे बढ़ावा दे सकें। हिंदी भाषा हमारे देश, की भाषा है, और हमारी अपनी भाषा का महत्व अन्य किसी भाषा से अत्यधिक है।

इसके बाद डॉ. प्रियंजन, सहायक निदेशक (रा.भा) ने उपस्थित सभी सदस्यों को पखवाड़े के दौरान विश्वविद्यालय द्वारा आयोजित किये जाने वाले कार्यक्रमों का विवरण दिया तथा विश्वविद्यालय के कर्मचारियों एवं छात्रों के लिए आयोजित प्रतियोगिताओं में प्रतिभागिता करने का अनुरोध भी किया।

कार्यक्रम पर विश्वविद्यालय के कुलपति, प्रो. संजीव जैन जी ने अपने वक्तव्य में कहा कि हिंदी दिवस का महत्व यह है कि हम अपनी भाषा के प्रति अपनी सजगता और समर्पण को प्रकट करें। हमारी भाषा हमारी सोच और विचारों का माध्यम होती है, और यह हमारे सांस्कृतिक धरोहर का महत्वपूर्ण हिस्सा है। इस दिन, हमें हिंदी भाषा के महत्व को समझने और दुनिया को यह दिखाने का अवसर मिलता है कि हमारी भाषा कितनी समृद्धि और विविधता से भरपूर है।

हिंदी का उच्चारण सही रूप से होना अत्यंत महत्वपूर्ण है, और हमें इसे बढ़ावा देने का संकल्प लेना चाहिए। हिंदी दिवस के इस मौके पर, हम सभी को हिंदी भाषा के प्रति अपने समर्पित और प्यारभरे भावनाओं को व्यक्त करने का अवसर मिलता है। हमें हमारी भाषा के साथ गर्व महसूस करना चाहिए और इसे और भी मजबूती से बढ़ावा देने का संकल्प लेना चाहिए। कुलपति महोदय ने आगे कहा कि हिंदी की आज भी लोगों की मानसिकता है कि यदि कोई अंग्रेजी में बात करता है तो उसे पढ़ा लिखा माना जाता है तथा यदि कोई हिंदी में बात करता है तो उसे महत्त्व नहीं दिया जाता है। हमें इस मानसिकता से उपज रही दूरियों को भरने का कार्य करना है तथा सभी को हिंदी के साथ जोड़ना है। जबकि दूसरे देश जैसे चीन, जर्मनी, जापान जैसे देश अपनी ही भाषा में आगे बढ़ रहे हैं तो भारत क्यों नहीं बढ़ सकता। सभी कर्मचारियों को संबोधित करते हुए कुलपति महोदय ने कहा कि हमें मन के अनुसार कार्य करने की प्रवृत्ति को त्यागना चाहिए तथा एक जुट हो कर हिंदी में ही प्रशासनिक कार्य करना चाहिए। अपनी भाषा से सरल और सुविधाजनक कुछ नहीं है तथा यही भाषा देश को विकासशील से विकसित बना सकती है। हालांकि समस्याएं हैं परंतु उनका समाधान भी उपलब्ध हो रहे हैं। कुलपति महोदय ने कहा कि हम भविष्य में विश्वविद्यालय में प्रश्न पत्र भी हिंदी माध्यम से तैयार करवाएंगे परंतु इसके लिए सबका साथ जरूरी है। आगे कहते हुए कुलपति महोदय ने कहा कि इस दिवस को मनाने का मुख्य उद्देश्य हमारी भाषा के महत्त्व को बढ़ावा देना है, ताकि हमारी आने वाली पीढ़ियाँ और भी हमारी भाषा को महत्वपूर्ण बनाएं और उसके साथ जुड़े रहें।

मुख्य अतिथि डॉ. दिलीप जी ने भी अपने विचार रखते हुए बहुत ही बुलंद शब्दों में हिंदी को अपनाने का आह्वान किया। उन्होंने कहा कि हिंदी एक ऐसी भाषा है जो हमारे देश के विविध संस्कृतियों को जोड़ने का माध्यम है। यह हमारे देश की एकता और अखंडता का प्रतीक है। हिंदी भाषा का महत्त्व हमारे सोचने के तरीके, हमारे सांस्कृतिक धरोहर, और हमारे समाज के विकास में होता है। हिंदी को भारत के विभिन्न राज्यों और क्षेत्रों में बोली जाती है, और यह लोगों के बीच सामान्य रूप से संवाद का माध्यम है। हिंदी का विकास और सुधार उसकी पढ़ाई, विकास, और सुधार के माध्यम से किया जा रहा है। यह एक महत्वपूर्ण भाषा है जिसे स्कूलों, कॉलेजों, और अन्य शिक्षा संस्थानों में पढ़ाया जाता है, ताकि लोग इसे सच्चे माध्यम के रूप में सीख सकें और इसका उपयोग अपनी दैनिक जीवन में कर सकें। इसके अलावा, हिंदी भाषा का महत्त्व भारतीय संस्कृति और इतिहास के साथ जुड़ा हुआ है और यह भारतीय जनता की भाषा की अहमियत का भी प्रचार – प्रसार करता है। हमें यह समझना चाहिए कि हिंदी भाषा का महत्त्व सिर्फ हमारे देश में ही नहीं, बल्कि विश्व भर में भी है। यह एक ऐसी भाषा है जो दुनिया भर के लोगों के लिए एक माध्यम के रूप में काम करती है, और भाषा के माध्यम से हम अपने विचारों और विचारों को दुनिया के साथ साझा करते हैं। हिंदी पखवाड़े के दौरान, हमें अपनी भाषा के प्रति अपने समर्पण को दिखाने का मौका मिलता है। हमें इस अवसर का सही तरीके से उपयोग करना चाहिए, ताकि हमारी भाषा के महत्त्व को और भी बढ़ावा दिया जा सके। हमें हिंदी के महान कवियों और लेखकों के काम को पढ़ना और समझना चाहिए, ताकि हम उनके योगदान को समझ सकें और सराह सकें और हम एक ऐसे दिन की परिकल्पना करें कि हमें भारत में हिंदी पखवाड़े न मनाने पड़ें, अपितु पूरे विश्वभर में इसके आयोजन हों। उन्होंने ने जसटिस कृष्णीस्वामी की बात को दोहराते हुए कहा कि “अगर हमें सभी भारतीय भाषाओं के लिए एक ही लिपि की आवश्यकता है, तो वह देवनागरी है”। उन्होंने हिंदी संबंध में भविष्य का एक खंवा तैयार करने की बात की जो सरल एवं सहज हो तथा लोग आम बोलचाल की भाषा में उसे अपना सकें।

कार्यक्रम में भाषा विद्यालय की अधिष्ठानता, डॉ. वंदना शर्मा जी ने अपने वक्तव्य में कहा कि हिंदी हमारी भाषा है तथा यह हमारा उत्तोर दयित्व है कि हम हिंदी भाषा को समृद्ध करें। एक अनुवादकर्ता के रूप में मैंने हमेशा यह प्रयास किया है कि हम अनुवाद के माध्यम से भी इस भाषा के भविष्य को समृद्ध कर सकें। आज का दिवस भारत के लिए भाषा दिवस है पूरे भारत में आज यह दिवस प्रत्येक कार्यालय में बड़ी ही धूम-धाम से मनाया जा रहा है। आने वाले 15 दिन विश्वविद्यालय में भी विभिन्न आयोजन किये जाएंगे और मुझे आशा है कि हमारे विश्वविद्यालय में हिंदी का प्रचार-प्रसार और अधिक होगा। उन्होंने श्रृंगारि की सुक्ति कहते हुए कहा कि

आनो भद्रा क्रतवो यन्तु विश्वतः।

लेताव आसो मानुष्यारिह जगत्।

यह सूक्ति प्राकृतिक के महत्त्व को और भी बढ़ावा देती है और विश्व के सभी मानवों को आपसी सद्भावना और सहयोग की ओर प्रोत्साहित करती है। और इसी संदर्भ में हमारे आने वाले पीढ़ियों के लिए हमें हिंदी पर काम करना है जिससे वह यह समझ सकें कि यह उनकी अपनी भाषा है न कि किसी अन्य की।

कार्यक्रम का अंत कुलसचिव, प्रो. यशवंत सिंह के धन्यवाद ज्ञापन से हुआ। उन्होंने उपस्थित सभी का हार्दिक धन्यवाद किया तथा विश्वविद्यालय में राजभाषा नीति के अनुपालन की दृष्टि से किये जा रहे कार्यों विवरण भी सभी के समक्ष प्रस्तुत किया तथा कर्मचारियों की सराहना की, कि पिछले एक साल में विश्वविद्यालय में हिंदी में किये जा रहे कार्यों में बहुत वृद्धि हुई है तथा आशा प्रकट की कि, आगे भी यह कार्य जारी रहेगी। इस अवसर पर गृह मंत्री

का हिंदी दिवस पर संदेश भी, हिंदी अनुवादक, श्री सतीश प्रसाद द्वारा पढ़ा गया । इस पूरे कार्यक्रम का संचालन डॉ. बंदना शर्मा, सहायक आचार्य, हिंदी एवं अन्य भारतीय भाषा विभाग द्वारा किया गया ।



## संसदीय राजभाषा समिति की पहली उप समिति द्वारा जम्मू केंद्रीय विश्वविद्यालय का राजभाषा हिंदी के कार्यों का निरीक्षण

संसदीय राजभाषा समिति की पहली उप समिति द्वारा जम्मू केंद्रीय विश्वविद्यालय का राजभाषा हिंदी के कार्यों की समीक्षा हेतु दिनांक 25 सितम्बर, 2023 को निरीक्षण श्री नगर में आयोजित किया गया । संसदीय राजभाषा समिति इस दौरान जम्मू एवं कश्मीर स्थित कुल 26 कार्यालयों का निरीक्षण करने के लिए उपस्थित है।

संसदीय राजभाषा समिति का गठन राजभाषा अधिनियम, 1963 के अधीन वर्ष 1976 में किया गया था। यह उच्चाधिकार प्राप्त संसदीय समिति है। इसमें 30 संसद सदस्य होते हैं जिसमें 20 लोकसभा से और 10 राज्यसभा से। माननीय गृह मंत्री जी इस समिति के अध्यक्ष हैं। राजभाषा कार्य की प्रगति के निरीक्षण कार्य को सुचारु रूप से चलाने के लिए इस समिति को तीन उप-समितियों में विभाजित किया गया है। समिति की ये तीनों उप-समितियां अब तक 14,600 से अधिक कार्यालयों का निरीक्षण कर चुकी हैं और लगभग 882 गणमान्य व्यक्तियों का मौखिक साक्ष्य भी ले चुकी हैं, जिनमें उच्च न्यायालयों के मुख्य न्यायाधीश, राज्यों के मुख्यमंत्री और राज्यपाल शामिल हैं।

इस समिति का मुख्य उद्देश्य सरकार के कामकाज में राजभाषा हिन्दी के प्रयोग की प्रगति की समीक्षा करना है। श्रीनगर में आयोजित इस समिति की अध्ययनमक्षता, श्री रामचंद्र जांगड़ा, संसद सदस्य (राज्य सभा) जी ने की, इनके अतिरिक्त इस समिति में श्री धर्मेन्द्र कश्यप, संसद सदस्य (लोक सभा) श्री ईरणिण कड़ाडी, संसद सदस्य (राज्य सभा) तथा श्री श्यामसिंह यादव, संसद सदस्य, लोक सभा रहे। इसके अतिरिक्त समिति में संसदीय राजभाषा समिति कार्यालय के श्री धर्मराज खटीक जी, एवं उनके कार्यालय से अन्य सदस्य भी उपस्थित रहे ।

समिति ने जम्मू केंद्रीय विश्वविद्यालय के निरीक्षण के दौरान विश्वविद्यालय के कुलपति प्रो.सजीव जैन द्वारा हिंदी के प्रचार-प्रसार एवं कार्यान्वयन में किये जा रहे प्रयासों की प्रशंसा की और संतोष व्यक्त किया कि, विश्व विद्यालय ने राजभाषा नियमों के अनुरूप कार्य किया है । समिति ने आशा व्यक्त की भविष्य में विश्वविद्यालय अपना काम पूर्णतः हिंदी में करने में सक्षम होगा । समिति ने प्रो. संजीव जैन, कुलपति द्वारा किये जा रहे कार्यों का उद्धारण देते हुए अन्य कार्यालयों को भी प्रेरणा लाने के लिए कहा। इस दौरान विश्वविद्यालय द्वारा राजभाषा से संबंधित प्रदर्शनी का भी आयोजन किया गया था, जिसकी प्रशंसा भी समिति ने की ।

इस निरीक्षण में विश्वविद्यालय की ओर से प्रो. विनय कुमार, अधिष्ठाता, आधारीक एवं अनुप्रयुक्त विज्ञान विद्यालय, श्री मों. इकबाल, प्रभारी वित्त अधिकारी, डॉ.प्रियंजन, सहायक निदेशक (रा.भा) तथा श्री साहिल कुमार, निजी सचिव, (कुलपति )तथा श्री विनीत कुमार उपस्थित रहे।

## कार्यशाला का आयोजन

जम्मू केंद्रीय विश्वविद्यालय में राजभाषा विभाग, गृह मंत्रालय के हिंदी शिक्षण योजना के अंतर्गत दिनांक 05 फरवरी से 9 फरवरी तक 5 दिवसीय हिंदी शब्दक संसाधन हिंदी टंकण

कार्यक्रम का शुभारंभ किया गया। इस प्रशिक्षण कार्यक्रम केंद्रीय हिंदी प्रशिक्षण संस्थान ६ हिंदी शिक्षण योजना द्वारा कार्मिकों को कंप्यूटर पर हिंदी में काम करने हेतु प्रशिक्षित करने के लिए किया जाता है।

हर वर्ष राजभाषा विभाग, गृह मंत्रालय, भारत सरकार द्वारा हिन्दी के प्रयोग से सम्बन्धित लक्ष्य निर्धारित किए जाते हैं। यह कार्यक्रम राजभाषा नीति के क्रियान्वयन के लिए की गई व्यवस्थाओं के अनुरूप है। कार्यालयों/विभागों में हिन्दी के सुचारु प्रयोग और उत्तरोत्तर हिन्दी के प्रयोग को बढ़ावा देने के लिए सरकारी कर्मचारियों को राजभाषा नीति, नियम, अधिनियम और आदेशों की जानकारी होना आवश्यक है। इस क्रम में जम्मू केंद्रीय विश्वविद्यालय नवनियुक्त ज लिपिकों तथा सहायकों के लिए इस कार्यक्रम का आयोजन किया गया है।

जम्मू केंद्रीय विश्वविद्यालय के कुलपति प्रो. संजीव जैन जी राजभाषा नीति के प्रतिपालन के प्रतिबद्ध हैं। उनका मानना है कि प्रत्येक कर्मचारी को हिंदी में कार्य करना आना चाहिए तथा जो कर्मचारी हिंदी में कार्य करने में सक्षम नहीं है उन्हें प्रशिक्षित किया जाना चाहिए। विश्वविद्यालय के लगभग सभी शिक्षणोत्तर कर्मचारियों को हिंदी में कार्य करने हेतु प्रशिक्षण प्रदान किया गया है।

विश्वविद्यालय के विभिन्न विभागों में कार्यरत कुल 14 कर्मचारियों को इस कार्यक्रम में प्रशिक्षण प्रदान किया जा रहा है। इस कार्यक्रम में मुख्य प्रशिक्षक के रूप में श्री संतोष कुमार, सहायक निदेशक (टं.आ), राजभाषा विभाग, गृह मंत्रालय से रहे।

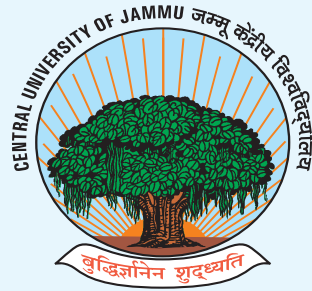












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(Established by the Central Universities Act, 2009)

Rahya-Suchani (Bagla), District Samba - 181143,

Jammu (Jammu & Kashmir)

Tel.: 01923-249660 Website: [www.cujammu.ac.in](http://www.cujammu.ac.in)