

GOVERNMENT DEGREE COLLEGE RAMGARH SAMBA, J&K



DEPARTMENT OF STATISTICS

DEPARTMENT PROFILE

- Year of Establishment : 2019
- Enrollment in 2019: 04
- Enrollment in 2020: 06
- Enrollment in 2021: 19
- Total Enrollment : 27
- Number of Sanctioned Posts: 00
- Number of Filled Posts: 01

AIMS AND OBJECTIVES

The main goal of the department is to impart quality education and promote theoretical, computational and applied knowledge in the subjects of Statistics, which enables the students to pursue their future careers either in the field academic, insurance firms or broadly in analytics industry. The department is actively engaged in teaching and research addressing substantive problems in the field of Descriptive Statistics, Probability Theory, Sampling Theory, Design of Experiments, Distribution theory, Optimization Theory, Inference, Sampling Theory, Statistical Quality Control.



Contd...

- Empowering the youth in rural communities with Statistical methods.
- To prepare every student professionally fit for the rapidly growing industry of Information and Technology.
- To assist the students imbibe strong analytical and logical skills.

Faculty Profile

Dr. Sandeep Kumar
Assistant Professor
M.Sc.(Gold Medalist), Ph.D.



Research Publications

- Sandeep Kumar ,Parmil Kumar and Ruhi Choudhary , Parametric Minimax Measure, International Journal of Recent Trends in Engineering Sciences.Vol 2 (7),28-32.(2016)
- Ameena Rajput,Parmil Kumar and Sandeep Kumar., Estimation of extreme weather conditions flood and drought forecast for Jammu.International Journal of Statistika and Matematika, Volume 11, Issue 2,48-52 (2014).
- Sandeep Kumar, Parmil Kumar and Ameena Rajput., BIAS And Variance of the Estimators of the Generalized Useful Information Parameters of Exponential Distribution.International Journal of Pure and Applied Mathematical Sciences. Volume 6, Number 4 ,313-320(2013).
- Sandeep Kumar,, Parmil Kumar, Mamta Khajuria and Ameena Rajput., Information theoretic approach in Parameter Estimation.International Journal of Statistika and Matematika, Volume 6, Issue 2,96-100. 2013
- Ruhi Choudhary, J P Singh Joorel, Sandeep Kumar, Effectiveness Analysis of a Two Unit Priority Standby System with Replacement Under Warranty Scheme, AIJRSTEM, 10(3), March-May, 2015, pp. 231-238 .

Contd...

- 
- Ameena Rajput, Parmil Kumar, sandeep Kumar, Density Estimation of daily rainfall data of Jammu, IJPAMS, Vol 6, No. 5(2013), pp 391-400.

Details of Conferences/Workshops/GOC/Webinars organised/Attended

- International Conference on Development and Applications of Statistics in emerging areas of science and Technology (ICDASEAST) and XXX Annual Convention of Indian Society of Indian Society for Probability and Statistics (ISPS) held at Department of Statistics, University Of Jammu. (December 8-10, 2010).
- Workshop on Modern Tools in Applied Statistics organized by Department of Statistics, University Of Jammu. (December 4-7, 2010).
- Presented a Paper in National Conference on Emerging Trends in Statistical Methods and Optimization Techniques, held at Department of Statistics, University of Jammu.(Feb. 22-23, 2008).
- National Workshop on Cryptology held at Defence Institute of Advanced Technology, Girinagar, Pune. (September 8-10, 2006).

Contd..

- Attended general Orientation Course(GOC) for Assistant Professors organized by Directorate of internal Quality Assurance(DIQA). Central University of Jammu from 16th – 31th January 2017 with Grade ‘A’.
- Attended one Week induction/training programme w.e.f. 06.01.2017 to 14.01.2017 organised by Govt. college of Education, canal road, Jammu.
- Attended Workshop on “Statistics through SPSS and R” held at Department of statistics, University of Jammu, Jammu from 19th to 24th February, 2018.
- Presented a paper titled “ parametric residual Entropy and its characterization”, in 32th Annual National conference of Indian society for Medical Statistics on Recent advances in statistical methods and their applications in health Sciences organised by deptt. Of Statistics, university of Jammu, Jammu from November, 1-3, 2014.
- Attended the hands on training on SPSS at 32th annual national Conference of Indian society for Medical Statistics, Pre-Conference workshop on Survival analysis in Clinical research(hands on training in SPSS) organised by deptt. Of Statistics, university of Jammu, Jammu on October 31, 2014.
- Attended SPSS training Program Conducted by SPSS Inc Bangalore on June 6-7, 2021 in the department of statistics, University of Jammu, Jammu.
- Attended two days NAAC Sponsored national Seminar held at Govt. P.G. College for Women, Gandhi Nagar, Jammu on 25th & 26th of October 2016 and presented a research paper.

Contd..

- Attended 4 Weeks Orientation online Programme organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education w.e.f 15-03-2021 to 14-04-2021.
- Attended one day webinar on advanced nano materials for electronic sensors organised by Hassan Khoyihami memorial degree college Bandipora, J & K on 20.06.2020;
- Attended one-day international webinar on “better understanding of Pandemic Covid-19” organized by Kharagpur college, INDA, Kharagpur, WB, India on 23.06.2020;
- Participated in the webinar on Impact of Covid-19 on higher education organised by Swami Premanand mahavidyalaya, Mukerian, Punjab on 03.06.2020;
- Participated in webinar on “challenges faced by women during Lockdown” organized by Gender Champion Cell, Daulat Ram College, Delhi, on 19.06.2020
- Participated in the webinar on “Shri Guru TEGH BHADHUR Ji di Bani’ organized by PG deptt of Punjabi, Malwa College, Bondli-Samrala, Punjab on 21.07.2020

Contd..

- Participated in one week international e-workshop on Language Translation Skills, organized by HED, Govt. of J & K in Collaboration with N.T.M., Central Institute of Indian languages, Mysore, GOI from August 08 to 12, 2020
- Attended three days FDP on “E-learning: Tools for teaching & Learning” organized by Department of Computer Sciences, Govt. M.A.M. PG College, Jammu from 01st to 03rd, June, 2020
- Completed three weeks faculty Development Program on “Effective use of Online Teaching platforms, Essentials of MS Office for class management, Poster & Brochure Designing” organised by GCOE(IASE), Srinagar w.e.f Sep. 01-21, 2020.
- Organized One day seminar on “current status and future prospectus of regional language- Punjabi & dogri” at GDC Ramgarh on 29.01.2021.
- Participated in International Conference Entitled “Public, Power & politics: Women empowerment, Roles & responsibilities” on May 8, 2022 organised by Deptt of Education in Collaboration with ICERT, New Delhi and women studies center, Baba Mastnath University, Asthal Bohar, Rohtak, Haryana.
- Actively participated in the two days multidisciplinary International web Conference on ‘Current Trends and Challenges in Education, Research and Social sciences’ organised Govt. College Hisar, Haryana in Collaboration with ICERT New Delhi on May 21-22, 2022.

Contd..

- Participated in IP awareness/Training program under national Intellectual Property awareness Mission organised by intellectual property office, deptt for Promotion of Industry and internal trade, ministry of Commerce and industry, GOI on May 27, 2022.
- Actively participated in the One day international webinar organised on the eve of Teachers day in Malaysia on “Transformative changes in Education” organised by ICERT, New Delhi on may 15, 2022.
- Attended Online training on “Research Training” organised by MSME-Technology Development centre, Ministry of Micro, Small and medium enterprises, government of Indian society, agra from 02.05.2022 to 13.05.2022.
- Participated in “Five Days Online training program on Swayam and MOOCS” organised by IQAC, Govt degree College Bhadarwah, J & K from august 05-09, 2020.
- Participated in National workshop on “panchayti raj and tribal development” organised by MGHCRE, Ministry of education, GOI on May 15, 2022.
- Participated in National workshop on “E-Governance for Effective Governance” organised by MGHCRE, Ministry of education, GOI on May 15, 2022.
- Participated in National workshop on “Rural Entrepreneurship for tribal Development” organised by MGHCRE, Ministry of education, GOI on May 15, 2022.

Contd..

- Actively Participated in A national level faculty Development Programme on “data analysis with statistical Package for the Social Sciences” organised by Seshadripuram Academy of Business Studies, Bengaluru from April 27, 2022 to may 06, 2022.
- Actively Participated in the One day multidisciplinary international Convention on “Contemporary Global changes & opportunities” organised by Jyotiba Phule Government College, Radaur Haryana In Collaboration with ICERT, New Delhi on April 24, 2022.
- Participated in a Five-Day online FDP Programme on “Research Methodology in Social Sciences” organised by the Department of management Studies, Bhavan’s Vivekananda college of Science, humanities & Commerce, Sainikpuri, Secunderabad in Collaboration with Indian Council of Social science Research –SRC from 18th -22nd April 2022.
- Participated in a one day international webinar on “Gender, war and memory-an interdisciplinary approach” organised by Deptt of English & History, Bishop Caldwell College on 29 April 2022.
- Actively participated in the One day International webinar on “Sustainable Cultural heritage Development” organised on the eve of UNESCO world heritage day by ICERT, New Delhi on April 17, 2022.
- Attended one day national Level Seminar on “NEP-2022 implementation using Change management concepts in Higher Education institutes” organised by IQAC, Sriram Engineering College in Collaboration with NAAC on 21.04.2022.
- Actively participated in the Seven days national Workshop on “NAAC: Seven Assessment Criteria for Accreditation” organised by Govt. PG College Bilaspur, Rampur, UP from 2nd to 8th August 2020.


Contd..

- Attended three weeks FDP on “Effective Use of Teaching platforms, essentials of MS Office for class management, Poster & Brochure Designing” organised by GOCE(IASE), Srinagar, J & K in Collaboration with Scrollwell EduTech LLP w.e.f. September 1-21, 2020.
- Participated in Five Days Online Faculty development program on “Mentoring for Institutional Social responsibility and facilitation for Community engagement” MGNCRE, Deptt of Higher education, Ministry of Education GOI, Hyderabad from 27th-31st January, 2022.
- Attended Online Two Week Refresher Course/Faculty Development Programme in STATISTICS on the theme “Applications of Statistical Techniques in Real World” and obtained Grade A, organised by TLC, Ramanujan College, Univeristy of Delhi under the aegis of Ministry, PMMMNM on Teachers and Teaching from 01-15 May, 2021.
- Organized One day seminar on “current status and future prospectus of regional language-Punjabi & dogri” at GDC Ramgarh on 29.01.2021.
- Convened FDP on “Learning additional ICT Tools for online teaching and administration” organised with GDC Ramgarh in collaboration with Scrollwell Edutech LLP w.e.f. December 26-28, 2022.

Contd..

- Organised Online Poster making Competition on awareness Programme to fight against COVID-19 at GDC Ramgarh on 27.04.2022
- Organised online event “stand United against terrorism” on anti terrorism day at GDC Ramgarh on 21.05.2020.
- Organised “Tree Plantation Drive” on world environment day at GDC Ramgarh on 21.05.2020
- Organised “National Level essay Writing competition’ on World Environment day at GDC Ramgarh on 05.06.2020
- Organised “Yoga Geet Competition’ on International yoga Day at GDC Ramgarh on 19.06.2020
- Organised International Level event on ‘One Minute Video Clips” on International yoga Day at GDC Ramgarh on 21.06.2020
- Organised “National Level Slogan Writing Competition” on International day against Drug Abuse and Illicit Trafficking” at GDC Ramgarh on 26.06.2020
- Organised National Level Poster making Competition on International day against Drug Abuse and Illicit Trafficking” at GDC Ramgarh on 26.06.2020
- Organised Door-to-Door Campaign to make general public aware about the importance of the day on the eve of World population Day at GDC Ramgarh on 10.07.2020

Contd..

- 
- Organised Inter College essay Competition on the eve of World Conservation day at GDC Ramgarh on 28.07.2020
 - Organised national Level Poster making competition on the eve of International Youth day at GDC Ramgarh on 12.08.2020
 - Organised national Level patriotic Competition on the eve of Independence Day at GDC Ramgarh on 15.08.2020
 - Organised “Tree Plantation Drive’ at GDC Ramgarh in Collaboration with Deptt of Social Forestry, Govt of J & K on 18.08.2020

Activities organised

- Organized One day seminar on “current status and future prospectus of regional language- Punjabi & dogri” at GDC Ramgarh on 29.01.2021.
- Convened FDP on “Learning additional ICT Tools for online teaching and administration” organised with GDC Ramgarh in collaboration with Scrollwell Edutech LLP w.e.f. December 26-28, 2022.
- Organised Online Poster making Competition on awareness Programme to fight against COVID-19 at GDC Ramgarh on 27.04.2022
- Organised online event “stand United against terrorism” on anti terrorism day at GDC Ramgarh on 21.05.2020.
- Organised “Tree Plantation Drive” on world environment day at GDC Ramgarh on 21.05.2020
- Organised “National Level essay Writing competition’ on World Environment day at GDC Ramgarh on 05.06.2020
- Organised “Yoga Geet Competition’ on International yoga Day at GDC Ramgarh on 19.06.2020

Contd..

- Organised International Level event on ‘One Minute Video Clips’ on International yoga Day at GDC Ramgarh on 21.06.2020
- Organised “National Level Slogan Writing Competition” on International day against Drug Abuse and Illicit Trafficking” at GDC Ramgarh on 26.06.2020
- Organised National Level Poster making Competition on International day against Drug Abuse and Illicit Trafficking” at GDC Ramgarh on 26.06.2020
- Organised Door-to-Door Campaign to make general public aware about the importance of the day on the eve of World population Day at GDC Ramgarh on 10.07.2020
- Organised Inter College essay Competition on the eve of World Conservation day at GDC Ramgarh on 28.07.2020
- Organised national Level Poster making competition on the eve of International Youth day at GDC Ramgarh on 12.08.2020
- Organised national Level patriotic Competition on the eve of Independence Day at GDC Ramgarh on 15.08.2020
- Organised “Tree Plantation Drive’ at GDC Ramgarh in Collaboration with Deptt of social Forestry, Govt of J & K on 18.08.2020

TEACHING METHODOLOGY

- Chalk and Talk
- Interactive methods like group discussions, student seminars, peer learning etc.
- Home assignments.
- Multimedia Projector Classroom
- Online methods like using Google Classrooms, Video Conferencing , Wiseapp online teaching etc.
- Practical demonstration based methods.
- Links for National Digital Library are made available to students for easy access of web resources.

Institutional Life:

- Convener/Member of various College Committees.
- Nodal Officer, RRC.
- Member - BOS, Department of Statistics, University of Jammu, Jammu.

Academic Environment

- Have always encouraged students to come up with their difficulties not only in the courses taught by me but by others too.
- Have regularly supervised students and scholars of the department in Seminars on topics of statistics and applied statistics.
- Have always provided encouragements to students to take part in discussions, conferences, workshops etc

Examination Work

- Have set question papers in Statistics of Cluster University of Jammu and GCW Parade, Jammu (An Autonomous College) for UG.
- Have performed supervisory duties in conduct of examination of UG and various Competitive Examinations.
- Have assessed/evaluated answer sheets of various UG Courses of University of Jammu
- Acted as an External Examiner for conductance of Practical Examination of Jammu University.

Educational Innovations, Design of New Courses and Curricula

- Have constantly tried to teach the students with the latest method (like Smart Board, DLP projector etc.). And provide them the latest and best study material in their field of study.
- Have been regularly upgrading the syllabi as per the market/research requirement. The latest syllabi of the courses taught by me have been revised as per the UGC curricula.

COURSES BEING TAUGHT

SEMESTER	COURSES			
	THEORY	CREDITS	PRACTICAL	CREDITS
B.A. I	USTTC 101: Descriptive Statistics and Probability Theory	04	USTPC 102: Statistical computing- I	02
B.A. II	USTTC 201: Descriptive Statistics and Probability Distributions	04	USTPC 202: Statistical computing- II	02
B.A. III	USTTC 301: Statistical Inference	04	USTPC 302: Statistical computing- III	02

Contd....

SEMESTER	COURSES			
	THEORY	CREDITS	PRACTICAL	CREDITS
B.A. IV	USTTC 401: Sampling and Design	04	USTPC 102: Statistical computing- IV	02
B.A. V	USTTE 501: Applied Statistics-I	04	USTPE 502: Statistical computing- V	02
B.A. VI	USTTE 601: Applied Statistics-II	04	USTPE 602: Statistical computing- VI	02

TOTAL NUMBER OF STUDENTS ENROLLED

Semester	2019-2020	2020-2022	2022-2023
B.A. Sem. I	04	07	19
B.A. Sem. II	03	06	19
B.A. Sem. III	----	02	06
B.A. Sem. IV	----	02	06
B.A. Sem. V	----	----	02
B.A. Sem. VI	----	----	02

RESULT STATEMENT

Semester	2020-2021			2021-22			2022-23		
	Appeared	Pass %		Appeared	Pass %		Appeared	Pass %	
		Theory	Practical		Theory	Practical		Theory	Practical
B.A. Sem. I	03	0	100	06	100	100	19	ND	ND
B.A. Sem. II	03	66.66	100	06	100	100	----	----	----
B.A. Sem. III	----	----	----	02	100	100	06	ND	ND
B.A. Sem. IV	----	----	----	02	100	100	----	----	----
B.A. Sem. V	----	----	----	----	----	----	02	ND	ND
B.A. Sem. VI	----	----	----	----	----	----	----	----	----

ND: Result Not Declared

VISION

- To encourage entrepreneurial environment and nurture innovative ideas.
- To provide skill based knowledge to the students.
- To produce a new generation of Professionals by providing the latest education recognized worldwide for excellence backed by extensive research and make them a better human being.



Thank You