

DEPARTMENT OF MATHEMATICS

ANNUAL REPORT(2023-24) (01.07.2023 TO 30.06.2024)

- (I) **NAME** : Mathematics
- (II) **Year of Establishment** : 1994
- (III) (a) **State the vision of the Department:** To Excel in Applications of Mathematics in Science & Engineering with emphasis on Practical aspects of life
- (b) **State the mission of the Department:** Promotion of conducive Environment for creativity, intuition, and pure intellect, free from extraneous issues of discrimination
- (c) **State the objective of the Department:**
(As resolved by Staff Council) Applications of Mathematics
In Modern Science & Technology

(IV) Programme (s) offered in the department

Programme (s)	Sanctioned intake	Present strength(total)
Ph.D. in Mathematics	As Per University norms	
M.Sc.(Mathematics)	55+5#	56
Dual Degree B.Sc. (Hons.)- M.Sc.(Mathematics)	55+5#	48
Any other	-	-

*The department is also looking after the teaching of Mathematics papers in various B.Tech.,M.Tech. &Pharma Courses.

Seats in the category of Single Girl Child (2), North Eastern Candidate (1), Children of GJU Employee (1) and Kashmiri Migrants (1).

(V) Faculty detail

(Attach a list of the Faculty alongwith their qualifications and Experiences)

	Sanctioned	Direct filled	Under CAS	Remarks if any
Professor	01	01	--	--
Associate Professor	02	01	--	--
Assistant Professor	08	08	--	--

List of the Faculty along with their qualification and experience

S.No.	Name of Teacher	Designation	Qualification	Experience
1.	Dr. Kuldip Singh	Professor	Ph.D.	35 Years
2.	Dr. (Mrs.) Sunita Rani	Professor	Ph.D.	32 Years
3.	Dr.(Mrs.) Sunita Pannu	Professor	Ph.D.	31½ Years
4.	Dr. Mukesh Kumar Sharma	Professor	Ph.D.	28½ Years
5.	Prof. Kapil Kumar	Professor	Ph.D.	20½ Years
6.	Prof. Pankaj Kumar	Professor.	Ph.D.	19 Years
7.	Dr. Renu	Asst. Prof.	Ph.D.	8 Years
8.	Dr. Hemant Kalra	Asst. Prof.	Ph.D.	10 Years
9.	Dr. Sandeep Singh	Asst. Prof.	Ph.D.	10 Years
10.	Dr. Sunita Rani	Asst. Prof.	Ph.D.	6½ Years

(VI) Office/Tech. staff detail:

Title of Position	Sanctioned strength	In position strength
Steno Typist	01	01
Clerk-cum-JDEO	01	01*
Lab Attendant/ Lab Technician	01	01
Peon	01	01
Sweeper	01	01

***One Clerk on contract basis w.e.f. May 2021.**

VII) a) Students detail in respect of M.Sc.(Mathematics) Programme

Programme	Sanctioned Intake	Students admitted 1 st Year	Students Present in Final Year
M.Sc.(Mathematics)	55+5#	56	50

Seats in the category of Single Girl Child (2), North Eastern Candidate (1), Children of GJU Employee (1) and Kashmiri Migrants (1).

(b) Students detail in respect of Dual Degree B.Sc.(Hons.)-M.Sc.(Mathematics)

1 st year		2 nd year		3 rd year	4 th year	5 th year
Sanctioned Intake	Students admitted	Sanctioned intake through LEET	Students Present	Students Present	Students Present	Students Present
50+5	48	40+5	40	48	35	20

Seats in the category of Single Girl Child (2), North Eastern Candidate (1), Children of GJU Employee (1) and Kashmiri Migrants (1).

(c) Detail of Foreign Students, if any, admitted in the Department:

Sr. No.	Name of Programme	No. of students Admitted	Name of Country
--	--	-	-

(VIII) Research Scholars: Attach a separate list (Reg. No, Name, Name of Supervisor/Co-Supervisor)

Total no. of Ph.D. students	Registered during the year	Thesis submitted during the year	Thesis Awarded During the year
31	03	06	06

(IX) Sponsored Research/ Consultancy Projects:

(a.)

Total no. of Projects in Progress during the academic current year	Total No. of Projects awarded during the academic current year	Total No. of Projects Completed during the academic current year
01	--	--

(b.)

Title of the Project	Name of the Investigator(s)	Status: Completed/In Progress	Nature: Research/ Consultancy	Month & Year of award

X) Number of Publications of Faculty (in Total): 21

Books	Research papers		Research paper		Other Articles
	SCI/Scopus	UGC Care	Refereed	Non refereed	

(XI) Faculty wise detail of publication during the academic year:

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books(Text/Reference/Report)	Publishers

b) Research Papers/ Articles in Journals:

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor

Prof. (Mrs.) Sunita Pannu nee Deswal

1. Baljit Singh Punia, Sunita Deswal, Kapil Kumar Kalkal, Mohamed IA Othman (2023). Reflection of plane waves in an orthotropic micropolar thermoelastic diffusive medium with two-temperature. *Indian Journal of Physics*, 98(2):613–628.
2. Sohit Jatain, Sunita Deswal, Kapil Kumar Kalkal (2023). Thermodynamical interactions in a micropolar magneto-thermoelastic medium with photothermal effect. *International Journal of Numerical Methods for Heat and Fluid flow*, 33(11), 3642-3668.
3. Kirti Boora, Aarti Kadian, Sunita Deswal (2024). Reflection of plane waves in an initially stressed thermodiffusive medium under double porosity effect. *Journal of Vibration Engineering & Technologies*, 12, 5879–5892
4. Shilpa Chaudhary, Sunita Deswal, Sandeep Singh Sheoran (2023). Analysis of nonlocal effects on plane waves in a transversely isotropic visco-thermoelastic medium with variable thermal conductivity. *International Journal of Numerical Methods for Heat and Fluid Flow*, 34(1), 109-130.
5. Parmender Sheokand, Sunita Deswal, Baljit Singh Punia (2024). Influence of variable thermal conductivity and inclined load on a nonlocal photothermoelastic semiconducting medium with two-temperature. *Journal of Thermal Stresses*, 47(2), 217-239.
6. Sunita Deswal, Parmender Sheokand, Baljit Singh Punia (2024). Interactions due to Hall current and photothermal effect in a magneto-thermoelastic medium with diffusion and gravity. *Acta Mechanica*, 235, 235–254.
7. Parmender Sheokand, Suman Choudhary, Sunita Deswal (2024). Influence of thermal load on a rotating thermoelastic medium with diffusion and double porosity. *Journal of Thermal Stresses*, 47(3), 295-320.
8. Amit Jangra, Suman Choudhary, Sunita Deswal (2024) Magneto-thermoelastic interactions in a photothermal semiconducting medium with diffusion and microtemperatures. *ZAMM- Journal of Applied Mathematics and Mechanics*, 104(3).

9. Parmender Sheokand, Sunita Deswal, Suman Choudhary, Amit Jangra (2024). Reflection of plane waves in a nonlocal double poroelastic semiconducting medium with variable thermal conductivity and mass diffusivity. *ZAMM-Journal of Applied Mathematics and Mechanics*, 104(5).
10. Kirti Boora, Sunita Deswal, Kapil Kumar Kalkal (2024). Propagation of plane waves at the initially stressed surface of an orthotropic nonlocal rotating half space under dual phase lag model. *Multidiscipline Modeling in Materials and Structures*, 20(4), 617-635.
11. Sunita Deswal, Kapil Kumar Kalkal, Priti Dhankhar, Ravinder Poonia (2024). Reflection of plane waves in a nonlocal transversely isotropic micropolar thermoelastic medium with temperature-dependent properties. *Journal of Vibration Engineering & Technologies*, <https://link.springer.com/article/10.1007/s42417-024-01378-0>
12. Amit Jangra, Sunita Deswal, Parmender Sheokand (2024). Thermoelastic interactions in a microstretch saturated porous medium with temperature dependent properties. *Journal of Vibration Engineering & Technologies*, <https://link.springer.com/article/10.1007/s42417-024-01426-9>
13. Amit Jangra, Sunita Deswal, Baljit Singh (2024). Punia Thermoelastic interactions in a micropolar poroelastic medium. *Journal of Thermal Stresses*, 47(8). 1028-1054.
14. Reetika Goyal, Sunita Deswal, Kapil Kumar Kalkal (2024). Effect of inclined mechanical load on a thermo-diffusive half-space with microtemperatures and microconcentrations. *Journal of Vibration Engineering & Technologies*, <https://link.springer.com/article/10.1007/s42417-024-01444-7>

Prof. Kapil Kumar

1. Baljit Singh Punia, Sunita Deswal, Kapil Kumar Kalkal, Mohamed IA Othman (2023). Reflection of plane waves in an orthotropic micropolar thermoelastic diffusive medium with two-temperature. *Indian Journal of Physics*, 98(2):613–628.
2. Sohit Jatain, Sunita Deswal, Kapil Kumar Kalkal (2023). Thermodynamical interactions in a micropolar magneto-thermoelastic medium with photothermal effect. *International Journal of Numerical Methods for Heat and Fluid flow*, 33(11), 3642-3668.
3. Kirti Boora, Sunita Deswal, Kapil Kumar Kalkal (2024). Propagation of plane waves at the initially stressed surface of an orthotropic nonlocal rotating half space under dual phase lag model. *Multidiscipline Modeling in Materials and Structures*, 20(4), 617-635.
4. Sunita Deswal, Kapil Kumar Kalkal, Priti Dhankhar, Ravinder Poonia (2024). Reflection of plane waves in a nonlocal transversely isotropic micropolar thermoelastic medium with temperature-dependent properties. *Journal of Vibration Engineering & Technologies*, <https://link.springer.com/article/10.1007/s42417-024-01378-0>

5. Reetika Goyal, Sunita Deswal, Kapil Kumar Kalkal (2024). Effect of inclined mechanical load on a thermo-diffusive half-space with microtemperatures and microconcentrations. *Journal of Vibration Engineering & Technologies*, <https://link.springer.com/article/10.1007/s42417-024-01444-7>
6. Shilpa Chaudhary, Kapil Kumar Kalkal, Sandeep Singh Sheoran (2023). Photothermal interactions in a semiconducting fiber-reinforced elastic medium with temperature-dependent properties under dual-phase-lag model. *ZAMM - Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik*, 103(12) e202300316
7. Sandeep Singh Sheoran, Kapil Kumar Kalkal, Shilpa Chaudhary (2024). Reflection of plane waves in a rotating micropolar double porous thermoelastic medium with temperature dependent properties. *Heat Transfer*, 53(5), 2391-2415

Prof. Pankaj Kumar

1. **Pankaj Kumar and Riddhi (2023). Weight enumerators of all irreducible cyclic codes of length n , *Discrete Mathematics, Algorithms and Applications*, 15(8), 1793-8317.**

Dr. Hemant Kalra

1. Sandeep Singh, Rohit Garg and Hemant Kalra (2023) On non-inner automorphisms of finite p -groups. *Bulletin of The Australian Mathematical Society*, page 1 of 6, doi:10.1017/S0004972724000637

Dr. Sandeep Singh Sheoran

1. Shilpa Chaudhary, Kapil Kumar Kalkal, Sandeep Singh Sheoran (2023). Photothermal interactions in a semiconducting fiber-reinforced elastic medium with temperature-dependent properties under dual-phase-lag model. *ZAMM - Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik*, 103(12) e202300316
2. Sandeep Singh Sheoran, Kapil Kumar Kalkal, Shilpa Chaudhary (2024). Reflection of plane waves in a rotating micropolar double porous thermoelastic medium with temperature dependent properties. *Heat Transfer*, 53(5), 2391-2415
3. Mohit Kumar, Shilpa Chaudhary, Sandeep Singh Sheoran (2024). Photothermoelastic response due to Hall current and gravity effects in a hyperbolic two-temperature semiconducting medium with voids under a moving thermal load. *Mechanics of Time-Dependent Materials*, 28, 1947–1981.

Dr. Sunita Rani

1. Sunita Rani, Sonia Attri (2024). Surface displacements of a semi-infinite elastic half-space under axisymmetric load. *Journal of Technology*, 12(1), 161-175.
2. Sonia Attri, Sunita Rani (2024). Axisymmetric consolidation of a poroelastic soil layer with impermeable surface. *Mechanics of solids*, 59, 1376–1390.

(XII) Participation of faculty in Seminars/Conferences/Workshops and refresher courses etc. during the period:

(a) Total Number of Seminars/ Conferences attended by faculty and papers presented

Positions	Attended			Papers presented		
	International	National	Total	International	National	Total
Professor,			
Associate Professor
Assistant Professor	...					

(b)International Conferences/ Seminars/ Workshops: 05

Name of the Faculty	Title of paper presented	Theme of conference/ Seminar/ workshop	Name of Host organization	Place	Dates/ Duration	Funded by UGC/DST CSIR/AICTE/ Univ./etc.

Dr. Renu

1. Presented a research paper entitled “Surface Extension and Tilt of an Elastic Half-Space due to a Steady Point Heat Source” in the “International Conference on Pure and Applied Mathematics” (ICPAM-2023) organized by Department of Mathematics, NIT Jalandhar & MNIT Jaipur during October 26-28, 2023
2. Presented a research paper entitled “Strain Field of an Elastic Half-Space due to a Steady Point Source of Heat” in the “International Conference on Advances in Pure & Applied Mathematics (ICAPAM)” organized by Shyam Lal College, University of Delhi during February 8-10, 2024.

Dr. Hemant Kalra

1. Presented a paper entitled: “Equivalence between Different Automorphism Groups”, in the *International Conference “On Recent Advancements in Mathematical Sciences,”* organized by DAV College Sadhura, Yamunanagar, Haryana, April 28, 2024.
2. Presented a paper entitled: “*Some bounds on central quotient group in an arbitrary group*”, in the *International Conference “Research and Innovation for Sustainable Development”* organized by MDU, Rohtak, on May 04-05, 2024.

Dr. Sunita Rani

1. Presented the paper titled Axisymmetric deformation due to surface loads in a poroelastic layer in the “International Conference on Pure and Applied Mathematics” (ICPAM-2023) organized by Department of Mathematics, NIT Jalandhar & MNIT Jaipur from 26th - 28th October, 2023.

(c) National Conferences/ Seminars/ Workshops: 05

Name of Faculty	Title of paper presented	Theme of conference/ Seminar	Name of Host organization	Place	Dates/ Duration	Funded by UGC/DST CSIR/AICTE /Univ./etc.

Dr. Renu

1. Attended a Workshop on UGC sponsored 8 Days Online (Live Mode) “NEP Orientation & Sensitization Programme-VI” under Malaviya Mission Teacher Training Programme (MMTTP) Organized by MMTTC, GJUST, Hisar during 07.05.2024 to 16.05.2024.

Dr. Hemant Kalra

1. Attended a Workshop on UGC sponsored 8 Days Online (Live Mode) “NEP Orientation & Sensitization Programme-III” under Malaviya Mission Teacher Training Programme (MMTTP) Organized by MMTTC, GJUST, Hisar during 19.02.2024 to 28.02.2024.

Dr. Sandeep Singh

1. Attended a Two-week Workshop on Instructional School for Teachers (IST) on Principles of Continuum Mechanics

Dr. Sunita Rani

1. Attended a Workshop on UGC sponsored 8 Days Online (Live Mode) “NEP Orientation & Sensitization Programme-III” under Malaviya Mission Teacher Training Programme (MMTTP) Organized by MMTTC, GJUST, Hisar during 19.02.2024 to 28.02.2024.
2. Completed Two credit Massive Open Online Course (five weeks) “Happy Schools: Education of the 21st Century from the Lenses of Happiness” offered under the Open Education for the Better World UNESCO Online Mentoring Programme

(d)Regional/ State Level Conferences/ Seminars/ Workshops: 06

Name of Faculty	Title of paper presented	Theme of Conference/ Seminar	Name of Host organization	Place	Dates/ Duration	Funded by UGC/DST CSIR/AICTE /Univ./etc.

Dr. Renu

- 1.Participated in the Workshop on “IPR Awareness” organized by Patent Cell, Guru Jambheshwar University of Science & Technology, Hisar on October 11, 2023
- 2.Participated in the Workshop on “Cyber Security and Cyber Crime” organized by the Department of Computer Science & Engineering, GJUS&T, Hisar on November 21, 2023

Dr. Hemant Kalra

1. Participated in the Workshop on “IPR Awareness” organized by Patent Cell, Guru Jambheshwar University of Science & Technology, Hisar on October 11, 2023.
2. Participated in a workshop on “Cyber Security and Cyber Crime” organized by the Department of Computer Science & Engineering, GJUS&T, Hisar on 21 November, 2023.
3. Participated in a workshop on “Essential Documents Formatting Skills” on 26 November, 2023 organized by the Department of Computer Science & Engineering, GJUS&T, Hisar on 26 November, 2023.

Dr. Sunita Rani

1. Attended a Workshop on Cyber Security and Cybercrime organized by the Department of Computer Science & Engineering, GJUS&T, Hisar on November 21, 2023.

(e)Refresher Courses/ Orientation Courses/FDP: 03

Name of Faculty	Title of Refresher Course	Host organization /University	Dept./HRDC	Place	Dates/ Duration

Dr. Renu Muwal

Participated in UGC sponsored 8 Days Online (Live Mode) “NEP Orientation & Sensitization Programme-VI” under Malaviya Mission Teacher Training Programme (MMTTP) organised by MMTTC, GJUS&T, Hisar during May 7-16, 2024.

Dr. Hemant Kalra

Participated in UGC sponsored 8 Days Online (Live Mode) “NEP Orientation & Sensitization Programme-III” under Malaviya Mission Teacher Training Programme (MMTTP) organized by MMTTC, GJUS&T, Hisar w.e.f. 19-Feb-2024 to 28-Feb-2024.

Dr. Sunita Rani

Attended Eight days NEP Orientation & Sensitization Programme organized by MMTTC, Guru Jambheshwar University of Science and Technology, Hisar during December 13-21, 2023.

(f) National/International Webinars Attended: 02

Name of Faculty	Title of Webinar	Host organization	Dates/Duration

Dr. Renu Muwal

- i. Attended Webinar on “Advances in Computational Mathematics” organized by the Department of Mathematics & Statistics, Manipal University Jaipur, Rajasthan in association with International Academy of Physical Sciences, Allahabad and Prof. P.R. Sharma Memorial Educator Association on July 10, 2023
- ii. Attended Webinar on “Exploring Biomaterials and Nanomaterials in Medical Applications: Innovations and Insights - Series I” organized by Advanced Optical Materials Research Group (AOMRG) in collaboration with MASS Chapter UTM and Frontier Material Research Alliance (FMRA) UTM on November 23, 2023

(g) Total number of Refresher/ Orientation Course/Webinar attended:

- i) **Refresher Course :NIL**
- ii) **Orientation Course : Nil**
- iii) **FDP : 03**
- iv) **Webinar : 02**
- v) **Total : 05**

(XIII) Association with National and State Level Bodies

(Give Faculty-wise details):

- i) **Membership of Professional Bodies:**

Prof. (Mrs.) Sunita Rani

- Life member of Indian Mathematical Society(IMS), New Delhi
- Life member of Indian Academy of Earthquake Technology.
- Life member of Indian Science Congress.

Prof. (Mrs.) Sunita Pannu

- Life member of Indian Mathematical Society (IMS), New Delhi.
- Life member of Indian Academy of Mathematics, Indore.

Prof. Mukesh Kumar Sharma

- Life member of IASP (International Academy of Physical Sciences), Allahabad.
- Life Member of ISTAM, IIT Kharagpur.
- Life member of Rajasthan Ganita Parishad (RGP)
- Life member of Prof. P.D. Memorial Lecture, Department of Mathematics, University of Rajasthan, Jaipur.

Prof. Kapil Kumar

- Life Member of *International Academy of Physical Sciences*.
- Life member, Indian Mathematical Society

Dr. Renu Muwal

- Life Member, Indian Mathematical Society (IMS), New Delhi
- Life Member, Indian Society of Theoretical and Applied Mechanics (ISTAM), IIT Kharagpur
- Life Member, Forum for Industrial and Applied Mathematics (FIAM), Himachal Pradesh

Dr. Sandeep Singh

- Life member of International Academy of Physical Sciences (IAPS)

Dr. Sunita Rani

- Life member of Indian Mathematical Society(IMS), New Delhi

ii) **Member of Expert Committees:**

iii) **Member of Academic Bodies of other institutions:**

Prof. (Mrs.) Sunita Pannu

- Member of Post Graduate Board of Studies & Research of M. Sc. Mathematics in the Dept. of Basic & Applied Sciences, B P S Mahila Vishwavidyalaya, Khanpur Kalan (Sonepat) .

Prof. Mukesh Kumar Sharma

- Member of School Board of the School of Basic Sciences, Central University, Haryana, w.e.f. 28-06-2023 to 27-06-2026.
- Regional Coordinator of International Academy of Physical Sciences, Allahabad w.e.f. 2021. North-West Zone (Haryana-Punjab-Jammu & Kashmir) of India.

Dr. Sandeep Singh

- Member of BOUGS, Department of Mathematics, CRSU, Jind from 01.06.2023 to 31.05.2025 (two years).

(IV) Member of Academic Bodies of institutions:

Dr. Renu Muwal

- Member, Academic Council, GJUS&T, Hisar (Since May 29, 2024)
- Member, Departmental Research Committee in Mathematics, GJUS&T, Hisar
- Member, Board of Studies & Research in Mathematics, GJUS&T, Hisar

Dr. Hemant Kalra

- Member, Departmental Research Committee in Mathematics, GJUS&T, Hisar
- Member, Board of Studies & Research in Mathematics, GJUS&T, Hisar
- A member of faculty of physical sciences and technology, GJUS&T, Hisar.

Dr. Sandeep Singh

- Member, Departmental Research Committee in Mathematics, GJUS&T, Hisar
- Member, Board of Studies & Research in Mathematics, GJUS&T, Hisar

Dr. Sunita Rani

- Member, Departmental Research Committee in Mathematics, GJUS&T, Hisar
- Member, Board of Studies & Research in Mathematics, GJUS&T, Hisar

(XIV) Detail of Consultancy Project/ Work in Department: Nil

Name of Faculty	Title of the project /work	Name of Agency	Total Amount

(XV) Lectures (other than class) (Invited talks/Extension Lectures) delivered (Give Faculty wise detail)

(XVI) Additional Duties Performed/Positions held in the University (Teacher-wise)

Sr. No.	Name of Faculty	Additional Positions	Duration From To
---------	-----------------	----------------------	------------------

--	--	--	--

Dr. Renu Muwal

- Department Training and Placement Coordinator for the session 2023-24, Dept. of Mathematics, GJUS&T, Hisar
- Lab Incharge, Dept. of Mathematics, GJUS&T, Hisar (From January 14, 2020 to May 14, 2024)
- Course Coordinator, Dual Degree B.Sc.(Hons.)- M.Sc. (Mathematics), Dept. of Mathematics, GJUS&T, Hisar
- Member of the Committee for the conduct of Entrance Test and Admission Counselings for Integrated B.Sc.(Hons./Hons. with Research)- M.Sc. Programmes in Physics, Chemistry, Mathematics, Medical Imaging Technology and Integrated B.Sc.(Life Science)- M.Sc. Biotechnology/Microbiology/Botany/Zoology(5 Years) for the academic session 2023-24, GJUS&T, Hisar
- Member of the Committee to conduct the Physical Stock Verification of Store for the year 2023-24, Dept. of Mathematics, GJUS&T, Hisar

Dr. Hemant Kalra

- Performed Proctorial duty during the Cultural Events 2023-24, held on September 29, 2023 at Chaudhary Ranbir Singh Auditorium of the University.
- Performed Proctorial duty during the 11th Inter Zonal Youth Festival 2023, held on October 28-29, 2023 at Chaudhary Ranbir Singh Auditorium of the University.
- Performed Proctorial duty during the celebration University Foundation day 20-10-2023, held on October 20, 2023 at Chaudhary Ranbir Singh Auditorium of the University.

Dr. Sandeep Singh

- Village Programme Officer under “Swachh Bharat Swasth Bharat” scheme from February 9, 2021 to till date.
- **Nodal Officer for Introduction of “Vedic Mathematics” in GJUS&T, Hisar** from December 30, 2020 to till date.
- **Member of Anti Ragging Squad-II** (for Boys’ Hostels) for the session 2022-23.
- **Member, Time Table Committee** in the Dept. Of Mathematics for the Session 2023-24.
- **Member, Admission Committee** for B.Sc.(Physical sciences) Course for the Session 2023-24.
- **Training and Placement Coordinator (TPC)** of Dept. of Mathematics for session 2023-24.
- **Alumni Coordinator** of Dept. of Mathematics for the session 2023-24.

Dr. Sunita Rani

- Departmental IQAC Co-ordinator from 09-03-2021 to till date
- Member, Women Cell, GJUST, Hisar from 29-05-2023 to till date
- NSS Programme Officer, GJUST, Hisar from 07-06-2023 to till date
- Member, Time Table Committee in the Dept. Of Mathematics for the Session 2023-24.
- Member, Admission Committee for B.Sc.(Physical Sciences) for the Session 2023-24.

- Departmental SWAYAM-NPTEL MOOC Co-ordinator 2023-2
- Jury Member, Talent Search Competition organized by Directorate of Youth Welfare, Guru Jambheshwar University of Science and Technology, Hisar on September 25-26, 2023.
- Perform Proctorial duty during the Talent Search Programme to be held at Chaudhary Ranbir Singh Auditorium, Guru Jambheshwar University of Science and Technology, Hisar during September 25-26, 2023.
- Perform Proctorial duty during the cultural event 2023-24 to be held at Chaudhary Ranbir Singh Auditorium, Guru Jambheshwar University of Science and Technology, Hisar during September 29, 2023.
- Perform Proctorial duty during Celebration of University Foundation Day to be held at Chaudhary Ranbir Singh Auditorium, Guru Jambheshwar University of Science and Technology, Hisar during October 20, 2023.
- Member Stage Decoration & Lamp Lighting Committee, Youth Festival organized by Guru Jambheshwar University of Science and Technology, Hisar during October 28-29, 2023.
- Organizing secretary in workshop on "Differential Equations and its Applications" organized by Department of Mathematics, Guru Jambheshwar University of Science & Technology, Hisar sponsored by Haryana State Council for Science, Innovation and Technology on February 2, 2024.

- Member, Registration/Reception Committee, National Conference on "Photonics and Material Science" (NCPMS-2024) organized by Department of Physics, Guru Jambheshwar University of Science & Technology, Hisar during March 14-15, 2024.

(XVII) Training /Internship/ Placement Activities information of the Department:

Activity	No. of Students	No. of Companies *
Training		
Placement		

- Note:- Please attach a list of companies alongwith number of students for training and placement with dates, etc..

](XVIII) Detail of Academic activities/Professional Activities/ Programmes Organized in Department during the year:

i Seminar/Conference/Refreshers course/Workshop/Training Programme

Name of the Event	National/International	Number of participants	Dates/ Duration
Workshop on “Differential Equations and its applications”	National	Appx. 250	02.02.2024

ii. Extension lecture:

Topic	Resource Person	Number of Participants	Dates
Impact of Mathematics on EverydayLife	Prof. Dinesh Madan	100	22.12.2023

iii. Students tour

Places Visited	Number of Participants	Dates/ Duration	Faculty Incharge

iv. Industry interaction programmes :

Name of the Event	Name of the Industry	Name of the Participants	Dates/ Duration

(XIX) Awards/ Honours received by Faculty

Name of the Teacher	Title of the Award	Name of the Awarding Agency	National / International	Date Conferred

(XX) Any other important Information/ Achievement of the Department:

Signature of the Chairperson

ANNEXURE

DEPARTMENT OF MATHEMATICS

Summary of Research Publications:

Total Books Published	Books published with International publisher	Books published with National publisher	-
--	--	--	--
Total Research papers published in Journals	Total Published in UGC-CARE List Group 1 (Journals found qualified through UGC-CARE protocols)	Total Published in UGC-CARE List Category 2 (Journals Indexed in WOS/Scopus)	Highest Impact Factor
21	--	21	4.853
Total Number of Papers Published in Conferences	Total published in Scopus/WOS indexed Conferences	Total published in non-indexed Conferences	-
--	--	--	--
Total number of funded research projects	Completed	Ongoing	-
--	01	01	
TOTAL NUMBER OF SCHOLARS REGISTERED in PH.D. PROGRAMME	PhD. Degree submitted	PhD. Degree awarded	-
31	06	06	--

Signature of the Chairperson

ANNEXURE

DEPARTMENT OF MATHEMATICS

Overall recommendations of the Chairperson based on the Annual Report and Academic & Research plan for the next year, through Academic Committee of the Department.

The research progress of the Department of Mathematics is very good as 21 research papers have been published by Faculty members in Journals of National/ International repute and also have participated in various Conferences/ Seminars. Plan for the next year:

- 1. To organize one National Seminar / Conference/ Workshop.**
- 2. To Present Research findings in National/ International Conference/ Seminar.**
- 3. To submit research proposals to different Funding Agencies by the faculty members.**

Signature of the Chairperson