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Department	: Mathematics & Statistics
Name of the Faculty	: Dr. Sultana Begam
Designation	: Assistant Professor
Qualification/s	: PhD
Email ID	: Sultanabegam26@gmail.com
Years of Experience	: UG: 3.5 years Research: 6 years
Thrust Area (Subject Interest)	: Differential Equation, Linear Algebra, Mathematical Modelling, Numerical Analysis
Details of Paper Presented	: International Level: 5 [1] International seminar on “16 th CONFERENCE OF THE INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES” organized by School of Environmental Sciences, JNU, Delhi, during 17-20 October, 2014. [2] International seminar on “INTERNATIONAL CONFERENCE ON MODELING AND SIMULATION OF DIFFUSIVE PROCESS AND APPLICATIONS” organized by Department of Mathematics, BHU, Varanasi, during 29-31 October, 2014. [3] 3 rd International conference on “APPLICATION OF FLUID DYNAMICS (ICAFD-2016)”, organized by Department of Applied Mathematics, IIT(ISM), Dhanbad, associated with University of Botswana, during 19-21 December, 2016. [4] International conference on LGBTQA+ Community, organised by Satish Pradhan Dnyanasadhana College, Thane, on 20 th

	<p>September, 2022.</p> <p>[5] International Conference On <i>Mathematics and its Applications in Science & Technology (ICMAST-2024)</i> Organized by Central University of Rajasthan, in collaboration with Pondicherry University and SRMS, During, 30-31 August, 2024</p>
<p>Details of Publication</p>	<p>: International Level: 9</p> <p>[1] Begam, S. and Singh, M. K., (2014). “Two-dimensional Solute Transport Modeling with Transient Groundwater Flow.” <i>Proceedings of ICMSDPA-2014</i>, pp, 43-47</p> <p>[2] Mahato, N. K., Singh, M. K. and Begam, S. (2014). “Temporally Dependent Solute Dispersion with Cauchy-type Boundary Condition in Homogeneous Semi-infinite Aquifer.” <i>Proceedings of ICMSDPA- 2014</i>, pp 33-39.</p> <p>[3] Mahato, N. K., Begam, S., Das, P. and Singh, M. K., (2015). “Two-dimensional Solute Dispersion Along and Against the Unsteady Groundwater Flow in Aquifer.” <i>Journal of Groundwater Research</i>, Vol. 3, 4/1, pp 44-67.</p> <p>[4] Das, P., Begam, S. and Singh, M. K., (2016). “Mathematical Modeling of Groundwater Contamination with Varying Velocity Field.” <i>Journal of Hydrology and Hydromechanics</i>, Vol. 65(2), pp 192-204. (SCI Journal)</p> <p>[5] Begam, S., Singh, M. K. and Singh, V. P., (2017). “Two-dimensional Solution of Advection Dispersion Equation for Solute Transport in a Semi- infinite Aquifer.” Chapter of the Book <i>Groundwater</i>, Editor: Tiwari, R. N., Excellent Publishers, New Delhi, ISBN: 978-93-86238-15-3, pp 66-76.</p> <p>[6] Begam, S., Ahamad, S. and Singh, M. K., (2018). “Pollutant Transport in a Semi-infinite Heterogeneous Porous Media.” <i>Lecture Notes in Mechanical Engineering</i>, doi: 10.1007/978-981-10-5329-0_41.</p> <p>[7] Singh, M. K., Begam, S., Thakur, C. K. and Singh, V. P., (2018). “Solute Transport in a semi-infinite homogeneous aquifer with a fixed point source Concentration.” <i>Environmental Fluid Mechanics</i>, Vol. 18, pp 1121-1142. (SCI Journal)</p> <p>[8] Begam, S., Singh, P. and Singh, M.K., “Solute transport with time-dependent periodic source concentration in Aquifer”, <i>J. Groundwater</i></p>

	<p>Research, Vol. 6,7(1), 2018, pp 28-46.</p> <p>[9] Bakle, P., Begam, S., (Oct - Dec, 2022), “Accepttrans: Zoya Lobo” <i>IJAIR</i>, Volume 9, Issue 4 (III), pp 41-43. (SJIF 2018- 7.363)</p>
<p>Details of Seminar/Workshop/Conferences/Symposia attended</p>	<p>: National Level: 11 International Level: 7</p> <p>[1] On the Occasion of National Mathematical Year 2012, 28th Annual Conference of the Mathematical Society, BHU on “Recent Trends in Mathematical Analysis and Modelling” organized by Department of applied Mathematics, Birla Institute of Technology, Patna Campus, during 3-4 December, 2012.</p> <p>[2] Annual general meeting of the geological society of India and international conference “FUTURE CHALLENGES IN EARTH SCIENCES FOR ENERGY AND MINERAL RESOURCES” organized by the Department of Applied Geology, IIT(ISM), Dhanbad, during 14-16, November, 2013.</p> <p>[3] National seminar on “RECENT APPROACHES TO WATER RESOURCE MANAGEMENT” organized by Department of Environment Science and Engineering, IIT(ISM), Dhanbad, During 9-10 December, 2013</p> <p>[4] “Research Scholar Meet-2014” organized by IIT(ISM), Dhanbad on 28th Feb, 2014.</p> <p>[5] “Research Scholar Meet-2014” organized by IIT(ISM), Dhanbad on 28th Feb, 2014.</p> <p>[6] International seminar on “16th CONFERENCE OF THE INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES” organized by School of Environmental Sciences, JNU, Delhi, during 17-20 October, 2014.</p> <p>[7] International seminar on “INTERNATIONAL CONFERENCE ON MODELING AND SIMULATION OF DIFFUSIVE PROCESS AND APPLICATIONS” organized by Department of Mathematics, BHU, Varanasi, during 29-31 October, 2014.</p> <p>[8] Workshop on High Performance Computing, WHPC-2015, jointly organized by Department of Applied Mathematics, IIT(ISM), Dhanbad and CDAC, Pune, during 29-31 July, 2015.</p> <p>[9] National conference on “WAVE MECHANICS AND VIBRATIONS (7th WMVC)”, organized by</p>

	<p>Department of Applied Mathematics, IIT(ISM), Dhanbad, during 21-23 December, 2015.</p> <p>[10] Science Academy’s Lecture Workshop on “FLUID FLOW THROUGH POROUS MEDIA AND ITS APPLICATION”, organized by Department of Applied Mathematics, IIT (ISM) Dhanbad, during 25 -27 December, 2015.</p> <p>[11] 3rd International conference on “APPLICATION OF FLUID DYNAMICS (ICAFD-2016)”, organized by Department of Applied Mathematics, IIT(ISM), Dhanbad, associated with University of Botswana, during 19-21 December, 2016.</p> <p>[12] Online International Conference on “Sustainable Water Resources Development and Management (SWARDAM-2021)” Organized by Department of Civil Engineering, Government College of Engineering Aurangabad (Maharashtra State), India <i>in association with</i> Ujjain Engineering College, Ujjain, ISH Aurangabad Local Centre and IWRS Aurangabad Local Centre, during 8-9 March, 2021.</p> <p>[13] 5-Day Workshop on “Technical Report Writing using LaTeX” organized by School Of Electronics Engineering, VIT-AP University, Amaravati Andhra Pradesh, during 5-9 April, 2021.</p> <p>[14] International conference on LGBTQA+ Community, organised by Satish Pradhan Dnyanasadhana College, Thane, on 20th September, 2022</p> <p>[15] Conclave on “Transforming Higher Education into New World of Quality Education via National Education Policy (NEP) 2020”, organised by Satish Pradhan Dnyanasadhana College, Thane, on 30th June, 2023.</p> <p>[16] One day National Conference on “From Struggle to Strength: Navigating and Networking for Homeless Children ” organised by Satish Pradhan Dnyanasadhana College, Thane, on 13th February, 2024.</p> <p>[17] 5-days Workshop on Research Methodology, organised by Satish Pradhan Dnyanasadhana College, Thane with ICSSR, dated: 4th March to 9th March, 2024</p> <p>[18] International Conference On <i>Mathematics and its Applications in Science & Technology (ICMAST-2024)</i> Organized by Central University of Rajasthan, in collaboration with Pondicherry University and SRMS, During, 30-31 August, 2024</p>
<p>Experience on the various Committees at College</p>	<p>:</p> <ul style="list-style-type: none"> i) Member of Science Association ii) Member of the committee of Add-On Courses iii) Member of Attendance and Defaulter committee

		iv) Member of Examination Committee
Membership	:	i) Mathematical Society, BHU ii) Society of Applied Mathematics (SAM), IIT(ISM)
Any Other Information	:	GATE QUALIFIED