

LIST OF FACULTY MEMBER OF PHYSIOLOGY DEPARTMENT

Department	Name of the faculty (Qualification IMR Number)	Current Designation & Date of Promotion	Nature of Employment (Regular/Perm anent/Contract /Outsourced)	Details of Service in the last 5 years	Number of Lectures taken/year & Topics Covered (Topic covered as per Competency based Undergraduate Curriculum -Phase I- Physiology)
Physiology	Dr. Shipra Das Medical M. Sc, PhD IMR- NA	Assistant Professor	Contract	5 th Nov, 2014-21 st Feb 2022- Demonstrator 22 nd Feb 2022 to Till Date Assistant Professor Teaching, Research, Admirative work	✚ General Physiology (Partially) ✚ Nerve-Muscle Physiology ✚ Renal Physiology-Acid base Balance ✚ Autonomic nervous System ✚ Neurophysiology- Part-II (Higher function of Brain) ✚ Integrated Physiology
Physiology	Dr. Praveen Kumar Sahu, MBBS IMR-CGMC-10198/2020	Demonstrator	Permanent	30 th March 2020-29 th May, 2022, MO, Casualty Department 30 th May, 2022- Till date- Demonstrator- Physiology Teaching, Admirative work	✚ General Physiology (Partially) ✚ Gastro-intestinal Physiology ✚ Cardio-vascular Physiology (CVS) ✚ Special Senses (Partially)
Physiology	Dr Chetan Ram Chandravanshi, MBBS IMR-9338/2019	Demonstrator	Permanent	15 th June, 2022- Till Date Demonstrator-Physiology Teaching, Admirative work	✚ General Physiology (Partially) ✚ Respiratory Physiology ✚ High altitude and deep-sea Physiology ✚ Endocrine Physiology ✚ Special Senses (Partially)
Physiology	Dr Vibha Singh, MBBS IMR- CGMC-9590/2019	Demonstrator	Permanent	27 th May, 2022- Till date Demonstrator- Physiology Teaching, Admirative work	✚ Haematology ✚ Reproductives Physiology ✚ Neurophysiology- Part-I ✚ Special Senses (Partially)

RESEARCH / PUBLICATION DETAILS

S.No	Faculty Name	Research Methodology Online Certificate Course Successfully Completed	Course Year
1	Dr. Shipra Das, Assistant Professor, Physiology	Basic Course in Biomedical Research (Indian Council of Medical Research)	March-June 2021
		GOOD Clinical Practice organized by Research unit, SMIMS, SMU.	30th June, 2021
		Ongoing research: Knowledge, Attitudes, and Practices toward the Use of artificial intelligence (AI) tools among healthcare professional and medical students: Cross-sectional study in middle India, Chhattisgarh List Of Journal Paper Publication 1. Kumar S, Kunal, Jha D K, Das S, Effect of stress during university examination on the differential leucocyte count (DLC), Heart Rate (HR), and Blood Pressure (BP). Indian Journal of Clinical Anatomy and Physiology. 2016;3(2):163-163. 2. Kesh SB, Das S, Pathak S, Waghmare VS, Mendhe HG. A study of the prevalence of generalized obesity, abdominal obesity, regional adiposity, and metabolic syndrome among young adults. National Journal of Physiology, Pharmacy and Pharmacology. 2018;8(7):988-994. 3. Waghmare VS, Pathak S, Das S, Mendhe HG, Kesh SB. Assessment of knowledge, attitude, practice on obesity and associated disorders among young adults. International Journal of Physiology. 2019;7(1):112. 4. Gurung S, Das S, Mujeeb N, Gurung S. A cross-sectional study of pulmonary function test in traffic policemen of Gangtok, East Sikkim, North East India. National Journal of Physiology, Pharmacy and Pharmacology. 2022;12(6):796-796. 5. Gurung S, Das S, Mujeeb N, Lepcha C. Correlation of obesity profile and blood pressure among ethnic and immigrant young adult students in Gangtok, Sikkim. National Journal of Physiology, Pharmacy and Pharmacology. 2022;12(8):1241-1241. 6. Das S, Choudhury AB, Dewangan H, Bhattacharya K, Kesh SB, Dutta S, Sengupta P. Early manifestation of hyperuricemia and its pathophysiological interface with adiposopathy and metabolic	

		syndrome among young adult: Cross-sectional study. Chemical Biology Letters. 2024;11(1):653-653. 7. Das S, Kumar S, Choudhury AB. Unravelling obesity linked cardio-metabolic risk heterogeneity among young adults residing in middle India: a prevalence and comparative study across diverse phenotype. International Journal of Research in Medical Sciences. 2024;12(12):4496. 8. Das S, Choudhury AB, Kumar S. HOMA-IR and HOMA-Beta as Predictors of Metabolic Syndrome: Associations with Cardio-Metabolic risk Factors Across Distinct Obesity Phenotypes in Young Adults from Central India. Journal of Molecular Science. 2025;35(Issue 2):238-245. Communicated Paper: - Shipra Das, Anil Baran Choudhury, Sanjay Kumar et al. Early Identification of Metabolic Syndrome among Young Adults Using Hepatic Biomarkers: Insights from Conventional to Machine Learning Models, 27 June 2025, PREPRINT (Version 1) available at Research Square [https://doi.org/10.21203/rs.3.rs-6778276/v1] - Shipra Das, Sanjay Kumar, Anil Baran Choudhury. Machine Learning-Based Risk Score development and Cut-off Determination of Regional Adiposity for Early Detection of Metabolic Syndrome in young adult. <i>Authorea</i>. May 26, 2025. DOI: 10.22541/au.174823397.74969876/v1 List of conference Paper - Attended 6th Annual And 1st Virtual International Conference on Basic and Applied Physiology 2020 and presented a paper on Early Manifestation of Hyperuricemia and Its Association with Adiposopathy and Metabolic Syndrome Among Young Adults. - Presented a paper entitled “Relationship between Adiposopathy and regional adipose tissue deposits among young adults in Rajnandgaon, Chhattisgarh: A Cross-Sectional Study.” at the “Physiocon 2022” Conference on ‘A Holistic Approach for Obesity Reversal’ - Presented a paper entitled “Unveiling the metabolic health landscape: a machine learning exploration of regional adiposity's influence on phenotypic variations among young adults.” at “Physiology in focus 2024” conference organized by The Physiological Society in Northumbria University, Newcastle, United Kingdom. - Paper entitled “Integrating Regional Adiposity and Machine Learning for Early Risk Prediction of Metabolic Syndrome in Young Adults” at EUROPHYSIOLOGY 2025 40th Congress of the International Union of Physiological Sciences, 11–14 September 2025, Frankfurt, Published at Acta Physiologica Volume241, IssueS735	
2.	Dr. Praveen Kumar Sahu,	- Stress and stress management. - Body weight management and excises. In-Charge NOD	Online certificate course - 2026

	Demonstrator, Physiology	3. Understanding and preventing life style diseases. 4. Hands- only CPR. 5. Improving health governance and service delivery.	
3.	Dr Chetan Ram Chandravanshi, Demonstrator, Physiology	1. Stress and stress management. 2. Diet and Nutrition. 3. Hands- only CPR.	Online certificate course- 2026
4.	Dr Vibha Singh, Demonstrator, Physiology	1. Stress and stress management. 2. Diet and Nutrition.	Online certificate course-2026

Details Of MET training

Faculty Name	MET Training Date	Place
Dr. Shipra Das, Assistant Professor, Physiology	Basic course in Medical Education (BCME) from 25th Sep, 2023 to 27th Sep, 2023	CIMS, Chhindwara under nodal centre JNMC, Sawangi (M), Wardha