



SHRI G. S. INSTITUTE OF TECHNOLOGY AND SCIENCE, INDORE (M.P.)  
DEPARTMENT OF BIOMEDICAL ENGINEERING

# NEWSLETTER

VOL 7 ISSUE 1

( JULY - DEC, 2024)



## VISION

*To contribute for teaching excellence to generate human resource to cater the needs of industries and hospitals for affordable healthcare through research and innovation.*

## MISSION

*To bridge the engineering, science and healthcare sectors for indigenous development and to impart community services for mass healthcare through continuous research.*

**ISSUE HIGHLIGHTS: NAAC ACCREDITATION TEAM VISIT, FIRST YEAR INDUCTION PROGRAM, STUDENT SECTION, FACULTY ACCOMPLISHMENTS, INDORE CLIMATE MISSION**

## VALUABLE CONTRIBUTORS

Dr. Rajesh Khatri (HOD), Dr. P.P. Bansod (Prof In-charge),  
Ms. Gauri Gupta(Editor in chief), Mrs. Avni Jain (Executive Editor)

# DEPARTMENTAL NEWS

## NAAC ACCREDITATION TEAM VISIT: ELEVATING STANDARDS OF EXCELLENCE

The National Assessment and Accreditation Council (NAAC) conducted a visit to the Biomedical Engineering Department at SGSITS, Indore, on 22-23 August, 2024, as part of its evaluation process. The department showcased its academic excellence, research contributions, and state-of-the-art laboratories. Faculty members highlighted ongoing projects, student achievements, and collaborations with industry. Students from the department actively participated in welcoming the team at the institute level.

The NAAC team interacted with students and staff to assess the overall learning environment, infrastructure, and quality of education in **B. tech (English and regional language)**. This visit aimed to ensure that the department meets the required standards for accreditation and continues to provide quality education and research opportunities.

## FIRST YEAR INDUCTION PROGRAMME- WELCOMING NEW ENTRANTS

The biomedical family warmly welcomed the 1st year students of the 2024 batch in two-day induction program on 12th-13th September, for over 80 students of biomedical engineering in english and regional language. The HOD's address focused on multidisciplinary aspects of biomedical engineering and the career opportunities in the field, the importance of peer learning and outside classroom learnings.



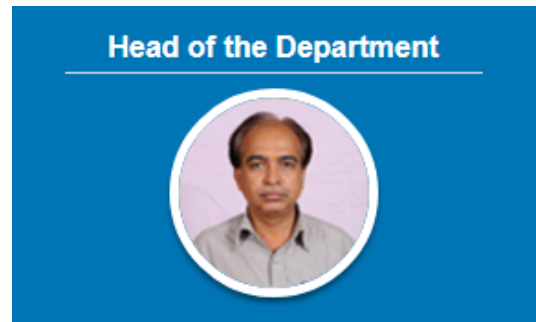
Dr. Nisha Siddiqui, a renowned motivational speaker delivered a lecture on managing the stress that comes with student life. Ms. Nidhi Goel, Product developer, Bioline and our alumni, shared journey of bioline from inception of idea to leading manufacturer of blood bank equipments in central india. Her talk focused on opportunity of startup in biomedical domain.

**DEPARTMENT OF BIOMEDICAL ENGINEERING**

Dr. Sanjay Kher (Ex RRCAT) CEO, INDIGO, Indore addressed various aspects of projects and device development under Innovation and Incubation Ecosystem. 2nd and 3rd-year students conducted icebreaking session through group activities.

## HEAD OF DEPARTMENT

Professor Rakesh Khatri joined as new Head of Department of Biomedical Engineering, on 16th, Dec, 2024.



## STUDENTS SECTION

### STUDENT ACHEIVEMENTS

- Pranjali Singh, 4th year student won Gold medal in state level judo tournament with team campaignship both girls and boys and state level gymnastics tournament.
- Abhijeet Solanki participated in Runveer 6.0: an infantry marathon held on 10th Novemeber, at Infantry School, Mhow.
- Divyansh Mishra, 2nd year student participated in National Conclave on Rural Technology and represented Idea lab.
- Palash Punde, 3rd year student qualified into the stage 2 (currently ongoing) i. e top 50 among 900 teams for e yantra robotics competition conducted by IIT, Bombay and ministry of education .
- Palash Punde, 3rd year student cleared prelims of flipkart grid robotics challenge 6.0.
- Abhijeet Solanki, 3rd year student actively participated in development of a smart helmet that detects accidents and provides aid at IdeaLab, SGSITS.
- Raghav Chabra, 1st year student showcase his talent at openmics such as foji mics etc.

### INTERNSHIP HIGHLIGHTS

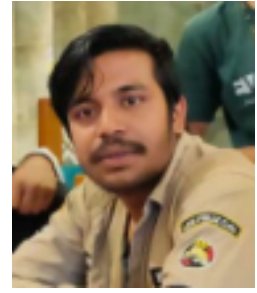
To promote real world learning and enhance market readiness in students, curriculum includes summer internships. Biomedical students completed summer internships at various industry and research institute.

- Swajal Jain completed summer research internship at IIT, Indore in Department of Biosciences and Bioengineering.
- Aradhya Sharma and Devansh Narvarya worked on FNIRS based project during summer internship under guidance of Mrs. Avni Jain and Ms. Gauri Tandon, Neurovana Inc.
- Various internship avenues are Bioline India Pvt. Ltd., Decent Medical, Pacetronix, IIT Indore, IIT Bombay, IIT Gandhinagar etc.



## RISING BME STAR

Mr. Saurabh Patel, BME 2022 batch student received job offer from TLC Engineering Solutions, USA (Leading service providers in field of biomedical engineering) as Biomedical Engineer with package of 84 LPA.



## PLACEMENTS STATS

The Department extends congratulations to the student on their placement. Placement phase 1 was marked with excellent opportunity in non core companies like Accenture, Quantaphi Analytics Solution pvt. ltd, Infosys, LTIMindtree, GreyB pvt. ltd, Axxela , Revgain.ai , Wizehive , Beghou Consulting LLC, InfoEdge for BME Student. Anushka Sharma , Sahil and Ira Khedekar got placement offer from LTI MINDTREE. Infosys offered placement to Aru Agrawal, Ira Khedekar, Manshi Pal, Murtaza Sogiyawala, and Shekh Sabaussabeel. Muskan Chouhan got placed in Cognizant. The average package for placement phase 1 is 4 lacs.



ANUSHKA



SAHIL



IRA



MURTUZA



MUSKAN

## FACULTY ACCOMPLISHMENTS

- Mrs. Vibha Bhatnagar submitted her PhD thesis titled “Human tongue Image Analysis for Disease Diagnosis” in May, 2024.
- Mrs. Avni Jain co-authored conference publication- Ms. Suranjana Gupta, Mrs. Avni et. al., “Computational Investigation of Intracellular Calcium Waves within Urinary Bladder Smooth Muscle Cells”, ICMACC, IEEE, DEC, 2024.
- Mrs. Avni Jain won 2nd best research paper award for “Computational Investigation of Intracellular Calcium Waves within Urinary Bladder Smooth Muscle Cells”, in data science category at 2nd ICMACC, IEEE.
- Mr. Sunny Ganavdia, Asst. prof., BME successfully completed one week High end workshop on multimedia processing and analysis: theory to practice organized by IIT. Indore.

The stakeholders of biomedical engineering department successfully completed ENGERGY LITERACY TRAINING under INDORE CLIMATE MISSION.



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