

# GEMS POLYTECHNIC COLLEGE

## DEPARTMENT OF CIVIL ENGINEERING



# BUILD-UP BULLETIN

Volume : 1 Issue : 1 / Jan-Jun

Academic Year - 2020-2021

### Editorial

welcome to Volume-1, Issue-1 of GEMS Built-Up Bulletin. In a dynamic session, our department association, "Build-Up," ushered a transformative wave in Civil Engineering, hosting Mr. Ranjit Sinha, Founder of TMM NIMIRITI KENDRA, Tilothu, alongside our Director, Principal, and HOD on March 4, 2020. The event highlighted field exposure with students visiting the Gems Construction Site in Aurangabad for practical insights into concreting techniques. Additionally, a state-level Faculty Development Program on "White Cement & its Application in Construction Industry" on April 16-17, 2021, featured Mr. Rameshwar Singh from JK Cement Ltd., emphasizing the significance of white cement in construction. These initiatives underscore our commitment to innovation and practical learning within Civil Engineering.



### ABOUT THE DEPARTMENT:

Established in 2015, the Department of Diploma in Civil Engineering embodies the essence of professional engineering, delving into the intricate realms of designing, constructing, and maintaining our physical and naturally built environment, encompassing vital public works. This comprehensive three-year program offers a curriculum encompassing foundational studies in basic sciences, mathematics, project management, and specialized subjects within civil engineering. The overarching vision is to empower students within the realm of technical education, fostering excellence in the field of Civil Engineering, while deeply concerning itself with the socio-economic development at regional, state, and national levels.

### VISION OF THE DEPARTMENT

Empowering the students in technical education and Excel those in the field of Civil Engineering with concern of socio-economic development of region, state and nation.

### MISSION OF THE DEPARTMENT

- To inculcate ethical and moral values among the students.
- To encourage students to pursue higher education and take competitive exams.
- To establish the Centers of Excellence in emerging area of research.

# Build-Up Bulletin

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## Department Association : “Build-Up”

Dated: 04 March 2021

In a transformative session on March 4, 2021, the department association "Build-Up" orchestrated a profound exploration into the evolving landscape of Civil Engineering. The esteemed presence of Mr. Ranjit Sinha, the distinguished Founder of TMM NIMIRITI KENDRA, Tilothu, elevated the occasion, bringing insights from the forefront of the field. Hosted within the esteemed halls of our college seminar, the event was graced by our revered Director, Mr. Ashish Daniel, Principal Mr. Timothy Challa, and the Head of the Department, Mr. Samuel Prakash Swami, adding a remarkable depth to the discussions. Commencing with a symbolic gesture, the event initiated with a tree plantation ceremony, symbolizing growth and a commitment to sustainability, led by our Honorable Chief Guest, Director, and Principal. This event served as a catalyst for ushering in new perspectives, sparking dialogues, and fostering a visionary approach to the future of Civil Engineering, setting the stage for a transformative journey within our academic community.



## Field Exposure: Immersive Learning Amidst Concrete Realities

Dated: 15 March 2021

Ahead of the unforeseen pandemic, our students embarked on a field visit to the Gems Construction Site in Aurangabad on March 15, 2021. This hands-on experience provided invaluable insights into the intricacies of concreting, enriching their understanding of real-world applications in Civil Engineering.



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## Empowering Faculty through Faculty Development Program

April 16 to April 17, 2021

The **Faculty Development Program (FDP)** held from April 16 to April 17, 2021, emerged as a significant milestone for the Department of Diploma in Civil Engineering. This state-level event, focusing on **"White Cement & its Application in Construction Industry,"** was a beacon of enlightenment, featuring Mr. Rameshwar Singh, the esteemed Zonal Head of Customer Technical Service at JK Cement Ltd. (East Zone-2 Patna, Bihar), as the distinguished resource person. His extensive expertise and insightful knowledge illuminated the intrinsic importance of white cement within the construction domain. Mr. Singh's comprehensive discourse delved into the multifaceted applications of white cement, unveiling its diverse utilities and highlighting its pivotal role in enhancing structural integrity, architectural finesse, and aesthetic appeal in construction projects. His session was an enriching experience, providing profound insights into the nuances of working with white cement, its technical intricacies, and innovative applications within the dynamic landscape of civil engineering.



Stay tuned for more updates and events in the upcoming issues!