

DEPARTMENTAL ACHIEVEMENTS

School of Civil Engineering
GALGOTIAS UNIVERSITY

RESEARCH PUBLICATIONS

Details of Research Publications

Sl.No	Name of the Faculty	Title of the Paper	National Conférence /International Conférence/National Journal/International Journal	Details of Research Publications	Name of Journal/Conference (IF)
1	Priyanka Singh	An Experimental Approach to Investigate Effect of Steel Fibers on Tensile and Flexural Strength of Flyash Concrete	International Journal	Volume-2, Issue-5, 2016 ISSN: 2395-3470.	International Journal of Scientific Engineering and Applied Science (IJSEAS)
2	Priyanka Singh	Effect of Steel Fibers on Compressive Strength of Flyash blended Concrete	International Journal	ISSN(Online): 2347-2812, Volume-4, Issue-6, 2016.	International Journal Of Recent Advances in Engineering & Technology (IJRAET)
3	Priyanka Singh	Impact of Marble Dust and Hooked End Steel Fibers on the properties of Concrete	International Conference	on 22nd& 23rd August 2016 at J.N.U., New Delhi.	2nd International Conference on Innovative Research in "Mechanical, Electrical, Electronics, Civil, Computer Science and Information Technology"(MECIT-2015)
4	V.Varna Vishakar	Climate Risk And Adaptation Assessment For The Proposed Smart City Ponneri	International Journal	Ijoar-Issn-2320-9186 Volume 4, Issue 7, July 2016 Edition	International Journal Of Advanced Research (1.5)

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5	V.Varna Vishakar	Heavy Metal Removal By Constructed Wetland In Cooum River	International Journal	Ijser-Issn-2229-5518, Volume 6 Issue 6,September 2016 Edition	International Journal Of Scientific And Engineering Research (3.8)
6	V.Varna Vishakar	Photolytic Reduction Of Membrane Bio-Fouling	International Journal	Ijser-Issn-2229-5518, Volume 4, Issue 7,March 2017 Edition	International Journal Of Scientific And Engineering Research (3.8)
7	V.Varna Vishakar	Reverse Osmosis Filtration Process For The Purpose Of Membrane Fouling	International Journal	Ijser-Issn-2229-5518, Volume 5, Issue 2, April 2017 Edition	International Journal Of Scientific And Engineering Research (3.8)
8	V.Varna Vishakar	Cell Immobilization Technique For Ammonia Removal	International Journal	Ijser-Issn-2229-5518,Volume 3, Issue 5,April 2017 Edition	International Journal Of Scientific And Engineering Research (3.8)

Details of Book/Chapter Publications

Sl.No	Name of the Faculty	Chapter of the Book	Name of the Book	Name of Publisher
1	Jagan J.	Design Optimization of a Wind Turbine Using Artificial Intelligence	Mathematical Concepts and Applications in Mechanical Engineering and Mechatronics	IGI Global

MDPS. CONFERENCES, WORK SHOPS, FDPS ORGANIZED

1. A workshop cum Design Competition of “Bridge Design” was organized on 24th March 2017 in which the students of pre final and final year participated.

VARIOUS ACTIVITIES CONDUCTED BY SCHOOL TO DEVELOP STUDENTS' CREATIVE SKILLS

- Build-O-Bridge” - Bridge Making Competition by GRACE
- Model Making
- Junkyyard- An Interaction
- Creative writing on current issues
- Group discussion on current social issues
- Group discussion on current environmental concerns

NEW INNOVATIVE TEACHING METHODOLOGY INTRODUCED SUCCESSFULLY IN SCHOOL

- ❑ Learning Management System (LMS)
- ❑ Students chapters
- ❑ E-Learning
- ❑ Project based Learning/ Research based Learning
- ❑ Value added skill development courses
- ❑ Smart Books (McGraw Hill)

INITIATIVES TAKEN BY THE SCHOOL TO MAKE THE CAMPUS ECO-FRIENDLY

- ❑ Manage and conserve energy and water efficiently.
- ❑ Incorporate the natural environment.
- ❑ Increase recycling of supplies and materials.
- ❑ Minimize negative environmental impacts.
- ❑ Raise environmental awareness among the various stake holders
- ❑ Minimize use of non-renewable resources
- ❑ Reduce energy use

NEW COURSES OFFERED, PEDAGOGICAL APPROACHES, INNOVATIONS IN TEACHING LEARNING PROCESSES.

Academic Practices Initiated in The School of Civil Engineering

A. Title of the practice- Industry/Site Visits

- **Objective of the practice-** To make students understand subject matter in a better way. This exercise is undertaken to enable students to acquire hands-on learning and first-hand information from real working conditions. Better understanding of subject matter was observed among the students. They have welcomed the initiative and now actively participating, enjoying and benefiting from such visits. Students were taken to DMRC construction sites, STP Plant visit, Road Construction sites during the last semester.

Academic Practices Initiated in The School of Civil Engineering

B. Title of the practice- Assignments of projects related to real world problems

- **Objective of the practice-** The students are assigned with projects which are related to real world assignments/realistic/applied in nature. They are also promoted to take projects which are related to regional problems. Projects of environmental interest is another such area which is a major concern for us today. Prior to assigning the projects, the synopsis is critically analyzed and if required modifications are suggested by the associated faculty guide. Some of such areas in which students have done projects are
 1. Energy Generation from Bio Gas
 2. Artificial wetland system for waste water treatment with the help of photoremediation
 3. Solid Waste management
 4. Green Building
 5. Concrete with recycled aggregates
 6. Fiber Reinforced Concrete
 7. Fly-ash Concrete

Academic Practices Initiated in The School of Civil Engineering

C. Title of the practice- Computer aided learning

- **Objective of the practice-** Up gradation of knowledge of students and enhancement in their professional competencies to make them more employable. Courses in collaboration with TIET (Tickoo Institute of Emerging Technologies) have been included in course structure for imparting training on latest software related to Civil Engineering like Civil CAD, BIM, Civil-3D, Staad Pro, MAP 3D-GIS, Primavera etc.

Academic Practices Initiated in The School of Civil Engineering

D. Title of the practice- Seminar Presentation/Group Discussion

- **Objective of the practice-** The main aim of the practice is to get maximum involvement of all the students by providing them a platform for presentation/discussion on academic and other relevant topics of importance. The goal of the practice is also to train students in communication and presentation skills. Initially topics for presentations/discussions are given to the students. Faculty members also participate in these sessions to observe the capabilities/limitations of individual student.

Academic Practices Initiated in The School of Civil Engineering

E. Title of the practice- Use of new teaching learning techniques

- **Objective of the practice-** To make students totally involved in the teaching-learning process, some new and innovative practices are adopted like use of e books, ppt presentations, online study modules, models, and live examples. Students are involved in case studies, trouble shooting, brainstorming sessions, and panel discussions to make them industry-ready. Preparation of lesson modules for power point presentation has been greatly facilitated through the IT support.

ACADEMIC INTERFACE / TIE UPS

An academic tie up was started with Tickoo Institute of Emerging Technologies (**TIET**) for imparting training on various emerging technologies and latest software related to Civil Engineering like

- Civil CAD
- BIM
- Civil-3D
- Staad Pro
- MAP 3D-GIS
- Primavera etc.

INTERNSHIPS

Internship by Our Students- Our students have done internship in some of the leading companies in both Government as well private sector such as:

DMRC- Delhi Metro Rail Corporation, New Delhi

DLW- Diesel Locomotive Works, Varanasi

NHAI- National Highway Authority of India, New Delhi

CPWD- Central Public Works Department, New Delhi

PWD- Public Works Department of various states

Delhi Jal Board, New Delhi

CPCB- Central Pollution Control Board, New Delhi

Police Building Construction Corporation

Major Construction Companies like SuperTech, Amrapali, DLF, BUCON Infratech,

THANK YOU