



Hindusthan College of Engineering and Technology

An Autonomous Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

Accredited with 'A' Grade by NAAC

Coimbatore 641032



Department of Civil Engineering **HORIZON**

Contents:

- Department Vision and Mission, PEOs and PSOs
- Events Organised
- Students Participation
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- Sports Activities
- Awards & Recognition of Faculty and Students



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DEC - 2017



Hindusthan

College of Engineering and Technology

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DEPARTMENT OF CIVIL ENGINEERING

Message from Chief Editor's Desk



Civil Engineering which is the oldest branch of engineering is growing right from the stone age of civilization. It not only provides the world's population with the means to have access to the basic needs of mankind – food, clothing and shelter; it is also a key component in the functioning of our global economy. The fast growing urbanization and industrialization has put heavy responsibilities on civil engineers to preserve and protect our environment.

I am happy that Horizon is blossoming the new form for the academic year 2017 – 2018. It provides a great platform to showcase all the achievements of both faculty and students.

VISION OF THE DEPARTMENT

To be recognized globally for pre-eminence in Civil Engineering education, research and service.

MISSION OF THE DEPARTMENT

- To impart scientific and technical knowledge for professional practice, advanced study and research in Civil Engineering.
- To equip the students with ingenious leadership and organizational skills for a successful professional career.
- To inculcate professional and ethical responsibilities related to industry, society and environment.



PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Excel as practicing engineers, academicians and researchers with a comprehensive knowledge in Civil Engineering.
- Play a significant role as team players and leaders in challenging environments for nation's infrastructure development, environmental protection and sustainability.
- Uphold professional and ethical responsibilities as engineers, consultants and entrepreneurs while addressing the demands of the society.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Apply their engineering knowledge, communication skills, professional and ethical principles to solve problems in civil engineering and contribute to the infrastructure development in a sustainable way.
- Use their engineering background to excel in competitive exams for advanced study, research and professional career.



LAB FACILITIES

Survey Laboratory



The Survey Laboratory is equipped with instruments necessary to carry out both the basic and advanced methods of land surveying, levelling and contouring.

Strength of Materials Laboratory



The Strength of Materials laboratory offers facility to test and measure the strength of different materials under the action of various forces and to determine their characteristics experimentally.

Fluid Mechanics and Machinery Laboratory



The Fluid Mechanics and Machinery laboratory is designed to examine the flow measurements of fluids and the performance characteristics of pumps and turbines.

Concrete and Highway Laboratory



The Concrete and Highway Engineering Laboratory enables the students to gain knowledge on the principles and procedures of testing concrete and highway materials and to get hands on experience by conducting tests and evolving inferences.

Computer Aided Design & Drafting Laboratory



The Computer Aided Design and Drafting Laboratory consists of hardware and software that aid the students in creation of 2D and 3D structural models, their analysis, design and optimization techniques.

Soil Mechanics Laboratory



The Soil Mechanics Laboratory provides exposure to the students on theories and procedures in performing standard laboratory and field tests on soil for a wide range of Civil Engineering purposes.

Environmental Engineering Laboratory



The Environmental Engineering Laboratory is a state-of-the-art laboratory that provides facilities for testing the characteristics of water and wastewater.

TECHNICAL EVENTS ORGANIZED

On 02.08.2017 Association of Civil Engineering Students (ACES) was inaugurated and a special lecture was given by Er. G. Ganesh, Managing Director, RG Associates, Coimbatore. It was organised by Mr. A. Alex Livingston Raja, Assistant Professor. The lecture typically covered topics related to Construction Management. About 413 students attended the program.

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 OTHAKKALMANDAPAM POST, COIMBATORE - 641 032

DEPARTMENT OF CIVIL ENGINEERING
 Cordially Invites You for the Inauguration of
Association of Civil Engineering Students (ACES)
 and a Special Lecture on
Construction Management

Chief Guest
Er. G. Ganesh
 Managing Director, R G Associates
 Coimbatore

Co-ordinator
Mr. A. Alex Livingston
 Assistant Professor
 Civil Engineering, HICET

Convenor
Dr. K. Akil
 Professor & Head
 Civil Engineering, HICET

Patrons
Dr. K. Kannadasan
 Principal, HICET
 &
Dr. S. Annadurai
 Advisor
 Hindusthan Institutions

02.08.2017, Wednesday at 09:30 AM
 Venue: PG Seminar Hall, HICET



TECHNICAL EVENTS ORGANIZED

On 07.09.2017 Shri. Mr. V. Balaji, Managing Director, Swan Design Consultancy, Coimbatore, Mr. P. Magudaeswaran, Managing Director, RCCL India, Total Civil Engineering Solutions, Coimbatore gave a session on “Bar Bending and Reinforcement Detailing – Hands on Training” organised by Ms. U. Sindhu Vaardhini, Ms. V. Abhinaya Vishnu. The workshop also included hands-on exercises and practical applications to give participants a better understanding of the bar bending. About 195 participants attended the program.

Workshop on “Bar Bending and Reinforcement Detailing – Hands on Training”




Outcomes of the Event

The participants gained knowledge on:


- The rudiments of bar bending and reinforcement detailing of concrete elements.
- The step by step procedure involved in the preparation of bar bending schedule for various concrete elements such as slabs, beams, columns and footings.
- Rebar detailing, shop drawing and site practices

TECHNICAL EVENTS ORGANIZED

On 18.09.2017 & 25.09.2017 Mr. M. Girish, Managing Director, GSV Corporation, Coimbatore gave a session on “How to Become Employable” organised by Mr. A. Alex Livingston Raja. The lecture covered basics of Employability Skills to be developed in students. The session was informative to increase the employability chances of students and was attended by 413 members.



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DEPARTMENT OF CIVIL ENGINEERING
Cordially Invites You for the Special Lecture on
How to Become Employable



Resource Person
Mr. M. Girish
Managing Director, GSV Corporation, Coimbatore.

<p>Co-ordinator Mr. A. Alex Livingston Assistant Professor, Civil Engineering, HICET</p> <p>Principal Dr. T. Kannadasan HICET</p>	<p>Convenor Dr. K. Akil Professor & Head, Civil Engineering, HICET</p> <p>Advisor Dr. S. Annadurai Hindusthan Institutions</p>
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18.09.2017, Monday at 03:30 PM
Venue: CSE Seminar Hall

Lecture on “How to Become Employable”



Outcomes of the Event

The participants gained knowledge on:

- The various technical, social and communication skills required for successful employment and professional career.

Professional ethics related to the engineering industry.

TECHNICAL EVENTS ORGANIZED

On 05.10.2017 Er. M. Balamurugan, Chartered Engineer and Approved Valuer, Coimbatore Civil Engineers Association (COCENA), Coimbatore inaugurated "Renaissance 17" Symposium. During the interaction with students in the session students were introduced to conditions prevailing in construction and the oppourtinities for students in construction. Number of participants - 62



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DEPARTMENT OF CIVIL ENGINEERING
Association of Civil Engineering Students (ACES)
Proudly Presents

RENAISSANCE '17
A National Level Technical Symposium

Chief Guest
Er. M. Balamurugan
Chartered Engineer & Approved Valuer
Coimbatore Civil Engineers Association (COCENA)
Coimbatore

Co-ordinator
Mr. A. Alex Livingston
Assistant Professor
Civil Engineering, HICET

Convenor
Dr. K. Akil
Professor & Head
Civil Engineering, HICET

Patrons
Dr. T. Kannadasan
Principal, HICET
&
Dr. S. Annadurai
Advisor
Hindusthan Institutions

05.10.2017, Thursday at 09:30 AM
Venue: PG Seminar Hall, HICET

"Renaissance 17"



Outcomes of the Event:

- The participants gained knowledge on the recent trends and advances in the various domains of civil engineering.

FDP/STTP - ATTENDED BY FACULTY

- Mr. R. Senthil Kumar attended FDP on "Instructional Model for Outcome Based Education" Organised by Hindusthan College of Engineering and Technology, Coimbatore Sponsored by National Institute of Technical Teachers Training and Research, Chennai and Govt. of India, Ministry of Human Resource Development for 6 days.
- Mr. M. Dinesh Kumar attended FDP on "Instructional Model for Outcome Based Education" Organised by Hindusthan College of Engineering and Technology, Coimbatore Sponsored by National Institute of Technical Teachers Training and Research, Chennai and Govt. of India, Ministry of Human Resource Development for 6 days.

WORKSHOP - ATTENDED BY FACULTY

S.No.	Name of the Faculty	Name of the Workshop	Organised by	Date
1.	Mr. R. Senthil Kumar	National Workshop on Bar bending and Reinforcement detailing – Hands on training	Hindusthan College of Engineering and Technology	7.08.2017
2.	Ms. K. Saraswathi	National Workshop on Bar bending and Reinforcement detailing – Hands on training	Hindusthan College of Engineering and Technology	07.08.2017

WORKSHOP - ATTENDED BY FACULTY

S.No.	Name of the Faculty	Name of the Workshop	Organised by	Date
3.	Mr. A. Alex Livingston Raja	National Workshop on Bar bending and Reinforcement detailing – Hands on training	Hindusthan College of Engineering and Technology	7.08.2017
4.	Ms. M. Brindha	National Workshop on Bar bending and Reinforcement detailing – Hands on training	Hindusthan College of Engineering and Technology	7.08.2017
5.	Mr. M. Logan Durai	National Workshop on Bar bending and Reinforcement detailing – Hands on training	Hindusthan College of Engineering and Technology	7.08.2017
6.	Mr. Syed Arshad	National Workshop on Bar bending and Reinforcement detailing – Hands on training	Hindusthan College of Engineering and Technology	7.08.2017
7.	Mr. M. B. Shanmuharajan	National Workshop on Bar bending and Reinforcement detailing – Hands on training	Hindusthan College of Engineering and Technology	7.08.2017

8.	Mr. M. B. Shanmuharajan	Threats to air, water and soil	Kongu Engineering College, Erode	19.08.2017
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- Value added courses are offered for third year and final year students on various Civil Engineering Software applications.
- Many of our students have undergone Implant training in various reputed construction firms.

Faculty Achievement

- Dr. K. Akil, Professor and Head of the Department chaired a **National Level Technical Symposium** in SVS College of Engineering, Coimbatore.
- Dr. K. Akil, Professor and Head of the Department was the Chief Guest for one day seminar on **Current Trends in Sustainable Waste Management** in Sri Ramakrishna Institute of Technology, Coimbatore.



“If you want to leave your footprints On the sands of time Do not drag your feet.”

— A.P.J. Abdul Kalam

THANK YOU