



**NEW HORIZON  
COLLEGE OF ENGINEERING**  
(NBA Accredited & Permanently Affiliated to VTU)



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# CIVIZINE

2010-11

DEPARTMENT OF CIVIL ENGINEERING

## **CHIEF PATRON**

Shri. Mohan Manghnani,

Chairman

New Horizon Educational Institution, Bangalore

## **ADVISORY COMMITTEE**

Principal, NHCE

HOD, Civil, NHCE, Bangalore

## **EDITORIAL BOARD**

Prof. H.N.Thippeswamy, HOD, Civil,

Ms.Latha Haridas, Senior Lecturer

Mr.Ravi Prasad, Lecturer

Ms.Sujatha Kota, Lecturer

## Message from Chairman



I am very much happy to know that the youngest department of our New Horizon Engineering College is making new unique attempt and bringing this report. I wish great success to Prof. H N Thippeswamy and his team in their endeavor.

It is necessary to document our achievements in proper manner, which can be utilized by the viewers for the benefit of mankind. In this context, the civil engg department's CIVIZINE is stepping in. Every step, Every attempt, has to be successful, then only the target can be reached. Everything is possible, Everything is achievable. The positive attitude is important. The civil engg department should keep this in mind and work for the success.

Our College takes keen interest in updating its infrastructures which provide an ambience that stimulates intellectual thinking and academic interaction to meet the technological revolution and new challenges of modern era. The civil engg department has all necessary infrastructures and is working in full swing. I am sure the civil department will achieve more and more in coming years and I wish the same.

## **Message from Principal**

It gives me immense pleasure to know that the Civil Engineering department of New Horizon Engineering College is bringing out annual report of the department and reach all the concerned electronically through internet. The civil department of our college is just one year old and is taking several innovative steps. I wish them all the success in their maiden attempt. The department is establishing labs one by one. Surely, within a short span, the civil department is going to be well established. The student community of the department needs to make best use of this opportunity.

“The important thing is not where you were or where you are but where you want to get”. The ultimate aim of the students is to get higher percentage and to be placed in the multinational companies. This is not only the aim of students but also the aim of parents, teachers and our management. As all our objectives are focused towards this single point, no doubt this aim will be fulfilled. Once again, I wish both staff and students of the department a great success.

## **HOD speaks,**

First of all, I thank our Chairman Sri Mohan Manghnani, for giving the responsibility of establishing Civil department in New Horizon College of Engineering. The Civil engineering department has started working from this year. Sixty students had taken admission for the civil department during last year admission (2009-10). Six students took admission directly to Third semester (2010-11) under lateral entry quota.

Civil Engineering Department was officially inaugurated on 25/06/2010, by performing a pooja in HOD's chamber. The Principal, HOD's of various departments, Dean's of various departments, Registrar, Secretary to the Chairman and others present on the occasion wished best for the department. It was decided to pen the entire events happened during 2010-11 in the form of a Magazine. Hence, an attempt has been made to put the reports of all the events together and send the same to all the engg.colleges (those having civil department). I thank all the staff members for their cooperation in successful execution of all the programmes. I also thank the

Principal, HOD's of various departments, Dean's of various departments, Registrar for their support to our movement.



## **BUILDTECH reports**

The department Forum BUILDTECH was inaugurated on 18th August 2010 to promote the activities like Guest lectures, Industrial visits, Workshops, Symposium, Honoring the meritorious students and many more. Mr.D.R.Kumaraswamy Senior Environmental Officer, Karnataka State Pollution Control Board, Bangalore was the Chief Guest. Principal, NHCE , presided over the function



The department forum” BUILD-TECH” organised Guest lecture on “Hazardous Waste Management And Control” by Mr.D.R.Kumaraswamy Senior Environmental Officer, Karnataka State Pollution Control Board, Bangalore.on 18th August 2010.

Ms. Geethasree, student of Third semester Civil was honoured for having scored highest marks in Third semester on the same occasion.

On Aug 15<sup>th</sup>, Miss Alka Tomer of Third semester civil bagged the Ist prize in Essay writing.



Gajiwala Krina & Dawa Zangmu , Intekhab Aslam & Kabeer Makhijani, students of Third semester Civil participated in the inter college technical paper presentation in Nirma University, Ahmedabad 24<sup>th</sup> and 25<sup>th</sup> September 2010.



The Department of Civil Engineering organized industrial visit for third semester students on 27<sup>th</sup> September 2010. The students were taken to construction site of individual villas project of confident group, constructing a project name called “Confident – Bellatrix”, where around one hundred forty individual houses are constructed. Confident – Bellatrix is at 40<sup>th</sup> km on Sarjapur road. The students were taken to site engineer’s room and shown lay out drawing of 140 houses, individual drawing of each houses and reinforcement details. Then students were taken to project for observation, each houses are now in different stages of construction. They saw a house marking for earthwork excavation and another house plastering. Similarly, they saw other houses to know the work for masonry and concreting.

On the same day, Students visited brick kiln and saw manufacturing process of bricks right from preparing of soil to kiln burning of bricks at a nearby site.

The department forum “BUILD – TECH” organized a guest lecture on “MODERN TECHNOLOGIES IN SURVEYING” by Mr.L .A.Rangaraju, Senior Manager (Sales), Lawrence & Mayo (p) Ltd, Bangalore and followed by demonstration of total station by Mr.D.R.Munirao, Service Engineer, Lawrence and Mayo (p) Ltd, Bangalore, on 15<sup>th</sup> October 2010 in falconry seminar hall. All third semester students, department faculty members and staff member attended the lecture.

The Civil engineering department organized one day workshop on **“INNOVATIVE WAYS IN POLLUTION CONTROL”** on 27<sup>th</sup> Oct 2010. The workshop was inaugurated (at 9.30am) by lighting lamp by Chief Guest Dr.Shivanand, Principal, Sambram Institute of Technology, Bangalore. Prof.H.N.Thippeswamy H.O.D, CED briefed about the workshop and thanked the Chairman for his magnanimity for granting approval to conduct workshop and also thanked all those who helped in conducting the workshop. Chief Guest Dr.P.Shivanand wished success for the workshop. The first session was key note address of the workshop by Dr.Naganagowda, General Manager, Renewable Energy Ltd, Govt of Karnataka. The second session of the workshop was about water pollution by Mr.T.Mahesh, Environmental officer, Karnataka state pollution control board. Third session was by Dr.Laxmikanth, environmental officer, Karnataka state pollution control board; he delivered the speech on air pollution. The fourth and final session was by Dr.H.N.Rajakumara, Professor & Head of the department, department of civil engineering, Atria Institute of Technology. He delivered the speech on solid waste management. The valedictory function started by 4.30pm, Dr.H.N.Rajakumara distributed the certificates to all the participants. Finally Prof.H.N.Thippeswamy, H.O.D, CED thanked all participants, speakers/ guests, students and staff members. The workshop was ended with national anthem.





The Department of Civil Engineering organised industrial visit for third semester students on 11<sup>th</sup> November 2010. The students were taken to fly over bridge project construction at Deverbisinhalli, outer ring road, Bangalore, construction by BDA(Bangalore Development Authority). Management had arranged bus for the industrial visit, students were accompanied by department staff members Mr. Ravi prasad and Mr.Raja. After reaching the site students and staff member were received by Mr.Thiruneelagandan, Senior engineer (execution) working for Simplex company ,the contactors of the project. The students were taken to site engineer room and shown bridge drawing, reinforcement details drawing. The bridge is with 20 piers, each span at 20meter with center span of 35meter for subway. The senior engineer explained everything at site right from pile foundation to pier construction, pier cap and deck slab. The students gained the basic fundamentals and idea of bridge construction through this visit.

### **The performance of third semester civil students in VTU Exams was satisfactory.**

The department of civil engineering arranged industrial trip for 4<sup>th</sup> semester civil engineering students to sewage treatment plant in our own campus NHCE on 10/03/2011. As it is one of the major requirements in our fast growing society, students observed total recycling process in the plant. The department staff members Mr.Ravi Prasad and Mr.Raja accompanied the students. Flow charts of the plant prepared for the sequence of activities in treatment plant were given to students for illustration and understanding. The students visited and observed all the activities from RSTP tank to final delivery from carbon filter. In the plant, NHCE employee Mr.Rajasekar co-ordinated with us to show the plant. Through this visit students got an idea of sewage treatment plant and its working.

A guest lecture was organized on 12<sup>th</sup> March 2011 at 10.00 a.m. The lecture was delivered by Mr. Nagesh Puttaswamy of Ultra Tech Cement Pvt. Ltd, Bangalore.

On the same occasion the topper of 3<sup>rd</sup> sem. Civil Miss Sindhoor was honoured by Prof.Thippeswamy HOD.



Mr. Mahesh Salimath and Ms. Nithya Angeline students of Fourth semester Civil were honoured by Ultra Tech Cement for scoring highest marks in Materials of Construction



After felicitation programme Mr. Nagesh Puttaswamy, Regional Head (Technical), Ultra tech cement ltd. Bangalore delivered lecture on

### **“MYSTERIES AND GLAMOURS OF CONCRETE”.**

The Civil Engineering department organized one day workshop on **“NON DESTRUCTIVE TESTING ON CONCRETE”** on 12<sup>th</sup> April 2011. The inauguration function started by lighting the lamp by Principal and Chief Guest Dr. Ramachandra, regional manager, Ultratech Cements. Prof H N Thippeswamy H O D, CED gave the information about the workshop and thanked the Chairman for his magnanimity for granting approval to conduct workshop and also thanked all those who helped in conducting the workshop. The Chief Guest Dr. Ramachandra regional manager, Ultratech cements gave the inaugural address of the workshop. Principal, addressed the gathering and wished the success for the workshop. After tea break, first session started by 9.30 am, Chief Guest Dr. Ramachandra gave speech on **“NEW GENERATION CONCRETES”**. The second session of the workshop started by 11.15am. Ms. Sapna Devendra, Chief Manager, Customer Support Services, ACC Cements, Bangalore delivered speech about methods of **“Non Destructive Testing on Concrete”**. After lunch break the third session started by 1.30pm. Mr. Sudarshan, Managing Director, Civil Aid Technologies (P) Limited, Bangalore gave speech on three different case studies of concrete structure failures and non destructive testing on concrete in particular. After tea break, the fourth session of the workshop started by 3.00pm. Mr. Acharya, from AIMIL India pvt. Limited, Bangalore. Mr. Acharya and team demonstrated NDT equipments.

The valedictory function started by 4.30pm, Principal distributed the certificates to all the participants. Finally, Prof.H.N.Thippeswamy, Head of the department thanked Chairman, Principal, Registrar, All the Deans, All the HODs, All the Participants, Speakers/ Guests, Students and Staff members. The workshop was ended with national anthem.



A guest lecture was organized on 19<sup>th</sup> April 2011 at 10.00 a.m. in Falconry Seminar Hall. Mr. Ramakrishna, Consultant Geologist, Bharat Geo Guides, Bangalore. delivered lecture on “CONSIDERATION OF GEOLOGICAL PARAMETERS FOR THE CONSTRUCTION OF

DAMS WITH CASE HISTORIES” for about one and half hour. Students found the lecture as interesting and informative.

Vijaykumar swamy & Amith , students of Fourth semester Civil presented paper on LOW COST HOUSING at JNNCE, Shimoga on 29<sup>th</sup> April 2011.

Franklin and Sunilkumar, students of Fourth semester Civil participated in Quiz competition at JNNCE, Shimoga on 29<sup>th</sup> April 2011.

The Department of Civil Engineering organized industrial visit for fourth semester students to ACC cement manufacturing plant on 28.04.2011. The plant is located at Thondebhavi, Chikkaballpur district which is 65 km from Bangalore. NHCE management arranged bus for the students and staff members. The 50 students were accompanied with the staff members Mrs.Latha Haridas, Mr.Ravi prasad and Mr.Raja. Our team was received by acc plant manager Mr.Abhinav and Mr.Sathiskumar, co-ordinator deputed by ACC for this visit. Our team was taken to their plant office meeting hall and our students and staff members are informed by acc staff members the precautions and safety measures to be followed inside the plant.



This manufacturing plant is state of art technology, fully computerized and automated unit manufacturing varieties OPC and PPC. The plant is receiving clinker from their Wadi palnt, Northern Gulbarga. In Thondebhavi plant, they only grind and pack. The productivity of the plant is 250 tons per day. The students enjoyed the trip and got the opportunity to see the modern cement manufacturing plant.

Gajiwala krina & Kabeer makhijani participated in the inter college technical paper presentation in Sri Venketeswara college of engineering 5<sup>th</sup> and 6<sup>th</sup> May 2011 and won consolation prize.

Intekhab Aslam, Abhinav Mani Tripathi, Franklin and Sunilkumar, Yashwanth and Dawa Zangmu also presented technical papers on recent developments in civil engineering Sri Venketeswara college of engineering 5<sup>TH</sup> AND 6<sup>TH</sup> MAY 2011.

Vijaykumar swamy & Amith presented paper on UNDER WATER CONSTRUCTION at Sri Venketeswara college of engineering on 5<sup>th</sup> and 6<sup>th</sup> May 2011.

Prathap, Mahesh, Mahesh nooli, Kabeer, Shivakanth, Sunil, Benedict and Franklin participated in Cricket tournament at Sri Venketeswara college of engineering on 5<sup>th</sup> and 6<sup>th</sup> May 2011.

Prof.H.N.Thippeswamy, Head of the Department, has published two papers (accepted by journal and will be printed in June 2011) during this academic year.

1. **“Acceptability of Distillery Wastewater by Soils to Grow Root Crops and Leafy Vegetables”** in INDIAN STREAMS RESEARCH JOURNAL.

2. **“Impact of Reusing Sugar Mill Wastewater for Irrigation on Different Soils”** in INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH AND ADVANCES IN ENGINEERING.

Thus, the year 2010 -11.

**We, the Staff and Students of Civil Engg. Department will be continuously working for success. We will meet again with more and more programmes.**



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\* Applied

RING ROAD, BELLANDUR POST, NEAR MARATHALLI, BANGALORE -560103

TEL :-+91-80-66297777 FAX NO: +91-80-28440770

E mail: [principalnhce@newhorizonindia.edu](mailto:principalnhce@newhorizonindia.edu), website: [www.newhorizonindia.edu](http://www.newhorizonindia.edu)