



NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF CIVIL ENGINEERING

In association with

Indian Concrete Institute (ICI)

Organizes

Workshop

On

**BENGALURU
CHAPTER**

Green Technology – Its Significance and Relevance

By

K P Pradeep Raja

Associate Professor

PES University, Bengaluru

Date: 05.10.2018

Time: 10.00 AM

Venue

Chanakya Seminar Hall

New Horizon College of Engineering

All are cordially invited



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Department of Civil Engineering

CIRCULAR

Date: 01.10.18

All the students of III semester are informed to attend the one day workshop on the topic titled "Green Technology- Its significance and Relevance" on 5th October 2018 from 10.00 A M.

The Venue is Chanakya Seminar Hall, New Horizon College of Engineering.

T. S. Niranjana

Head of the Department
Department of Civil Engineering
New Horizon College of Engineering
Outer Ring Road, Marathahalli,
Bengaluru - 560 103.

Dr. Niranjana P S
Professor and Head
Department of Civil Engineering
NHCE.

The Principal
New Horizon college of Engineering
Bangalore

24.09.2018

Through Professor and Head, Department of Civil Engineering

Respected sir,

Subject: Permission to conduct one day workshop on Topic, "Green Technology – its significance and relevance", in association with ICI, Bengaluru chapter

The department of Civil Engineering would like to organize Workshop on the above topic. The resource person is **Mr. K P Pradeep Raja, CEO, Associate Professor, PES University**. The event is scheduled on 05.10.2018 at 10.00 AM in Chanakya Seminar Hall. Hence I request for your permission for the successful conduction of the lecture.

Thanking you

Meghana A.P.

Ms. Meghana A P
Assistant Professor
Department of civil engineering, NHCE

T. S. Niranjan
Head of the Department
Department of Civil Engineering
New Horizon College of Engineering
Outer Ring Road, Marathahalli,
Bengaluru - 560 103.

Dr. Niranjan P S
Professor & HOD
Department of
civil engineering,
NHCE



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Department of Civil Engineering

Ref: NHCE/CV/2018-19/Workshop –1(Rep)

Date: 6/10/2018

REPORT

The workshop was held on 5th October, 2018 for 3rd Semester Civil Engineering students. The Program began with an invocation song by group of students. The welcome address was given by **Dr. Jagadeesh C.B**, Professor, Department of Civil Engineering.

Dr.P S Niranjana, Professor and Head spoke about the importance and relevance of green technology in present day context.

The Resource person of the work shop was introduced to the participants by **Mr. Surendra B V**, Associate Professor of Civil Engineering Department.

Mr. K R Pradeep Raja, the Resource person, deliberated the whole session with power point presentation, case studies and brain storming sessions involving active participation of the students in many related hands on activities.

The Vote of thanks was delivered by **Dr. Vinay Kumar B M**, Associate Professor, Department of Civil Engineering.

The excerpt of his presentation is as follows:

Importance of green technology

When need surfaces, significance becomes apparent, and this holds true in the present case as well. The necessity for clean tech is evident in the face of the age-old monster of pollution that feeds on the lives of millions of lives. Broadly, the importance of green tech lies in reducing the risks posed by environmental damage and conserving natural resources.

It will also ensure that clean and renewable sources of energy are used to prevent the complete exhaustion of the other non-renewable sources. The working of such tech is

best comprehended with the support of examples. A case in point is solar roof tiles, where in, glass tiles, almost identical to the typical roof tiles in various colours and shapes, generate electricity, are economical in pricing, better insulated, and have a longer life.

Other examples of clean tech include indoor or vertical farming, bio-degradable capsules for coffins, and smart fabric. On a specific scale, the importance of green technology for the future rests on the following pointers:

- **It will help slow global warming**

The average global temperature has ballooned between 0.4 and 0.8 °C in the passage of the past 100 years. The Intergovernmental Panel on Climate forecasts that the temperature crawl could range between 1.4 and 5.8 °C by 2100.

Such an increase in temperature pairs with increased greenhouse effects. Some of the negative consequences of this include smog pollution, ozone depletion, ocean acidification, and changes in the growth of plants. However, climate change can be slowed with the help of green tech as it taps into the potential innovative methods of energy production and reduces carbon use.

- **Provides clean energy**

Green technology attempts to provide alternative energy sources that do not deplete essential fossil fuels. It is also critical for curbing global warming by bringing down the emission of greenhouse gases like nitrogen and carbon dioxide.

To this end, some of the ways adopted by green tech include harnessing the potential of solar energy, fuel cells, wind energy, and geothermal energy. In addition to these alternative sources of energy, clean tech also presents solutions like battery technology, green building, and metallic foams.

- **Facilitates the use of green technology**

The use of technology across the globe is widespread and continues to evolve. Green tech, however, strings together technology with recyclable components. Such an effort assists in promoting a pollution-free environment that can sustain life.

For instance, green computers are in the pipeline. The current computer range is made of cadmium, lead, plastics, and brominated fire retardants that can all be categorized as hazardous for the environment. Green tech is working to produce computers that are

composed of parts that are safe to dispose off. Similarly, hybrid cars are also a feat of clean tech.

- **Makes properties more sustainable**

Environmental tech is also playing a role in the construction industry by inserting sustainable features into the play. This feature added to the construction industry helps boost the value of the property alongside making it eco-friendly. Although the initial cost of green buildings is high, it reaps well in the long haul.

For example, the installation of geothermal systems can be costly, but it uses almost 50% less electricity relative to standard systems. At the same time, geothermal pumps cut down carbon dioxide emissions by 70%. It helps take down the electricity costs, while simultaneously safeguarding the planet by conserving natural resources.

In a nutshell, green tech is crucial for our future. The need and importance for such a clean technology arise from the ugly picture painted by the effects of pollution and climate change. Environmental tech provides alternative energy sources, facilitates with biodegradable products, encourages recycling, and promotes the development of sustainable buildings. It also significantly helps with curtailing pollution, decelerating global warming, and preserving natural resources.

EVENT PHOTOS





Prof. K P Pradeep Raja addressing the students

A handwritten signature or scribble, possibly the name of the person who took the photo or a student.

Ref: NHCE/CV/2018-19/Workshop –1(TL)

To

Date: 6/10/2018

K.P. Pradeep Raja
Associate Professor
PES, University

Dear Sir,

Subject: Regarding workshop “Green Technology-Its Significance and Relevance”
dated 5.10.2018

We are extremely pleased to have you as a resource person for workshop titled” “Green Technology-Its Significance and Relevance “conducted on 5th October, 2018 for III semesters. The students as well as faculties have been immensely benefitted by your expertise on the topic. Your session was informative and interactive, and has created lot of interest amongst the students in the topics you covered.

Hoping for further participation from your end in workshops/seminars/symposium that would be arranged in our institution.

Thanking you,


Head of the Department
Department of Civil Engineering
New Horizon College of Engineering
Outer Ring Road, Marathahalli,
Bengaluru - 560 102,

Dr.P S Niranjan
Professor and Head
Department of Civil Engineering
NHCE, Bengaluru.

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
III SEM - A SEC ODD SEM 2018

Workshop on "Green Technology - Its significance and relevance" - 05.10.2018

Sl NO	USN	STUDENT NAME	Signature
1	INH17CV001	ABDUL ROUTHANI	[Signature]
2	INH17CV002	ABHINAV DUBEY	[Signature]
3	INH17CV003	ABHISHEK B V	[Signature]
4	INH17CV004	ABHISHEK P	[Signature]
5	INH17CV005	ACHOM HYDEN SINGH	[Signature]
6	INH17CV006	ADITHYAN H B	[Signature]
7	INH17CV008	AKRITI NAIK	[Signature]
8	INH17CV009	AMR NAZEER AHMED	[Signature]
9	INH17CV010	AMRITANSH SINHA	[Signature]
10	INH17CV011	ANUSKA RAJ	[Signature]
11	INH17CV012	ARKESH A V	[Signature]
12	INH17CV013	BAZAL ARSHAD	[Signature]
13	INH17CV014	BHARATH A	[Signature]
14	INH17CV015	BHARATH N R	[Signature]
15	INH17CV016	BHAVYASHREE R	[Signature]
16	INH17CV017	BILI LOMBI	[Signature]
17	INH17CV018	CH BALA NAGENDRA	[Signature]
18	INH17CV019	CHANDAN SURYA L H	[Signature]
19	INH17CV020	CHETHAN C N	[Signature]
20	INH17CV021	CHIRAG H A	[Signature]
21	INH17CV024	DARSHAN SA	[Signature]
22	INH17CV025	DARSHAN .V.KULKARNI	[Signature]
23	INH17CV026	DEEPANKAR MADHAVANAND	[Signature]
24	INH17CV027	FAISAL SHARIF	[Signature]
25	INH17CV028	FAZIL JAVAID	[Signature]
26	INH17CV029	HEMANTH KUMAR K P	[Signature]
27	INH17CV030	HEMANTH M	[Signature]
28	INH17CV031	IMMANUEL	[Signature]
29	INH17CV032	ISHITVA PAREEEK	[Signature]
30	INH17CV034	JEFREY KURIAN	[Signature]
31	INH17CV035	JOHAN CHANDAPPILA T J	[Signature]
32	INH17CV036	KANAGALA SHANMUKA	[Signature]
33	INH17CV038	KAUSHAL V REDDY	[Signature]
34	INH17CV039	KEERTESH V REDDY	[Signature]
35	INH17CV040	KEERTHANA M	[Signature]
36	INH17CV041	KENEISEVOR MEDOM	[Signature]
37	INH17CV042	KHALID NAFEEES	[Signature]
38	INH17CV043	KISHORE DEVARAGUDI	[Signature]
39	INH17CV044	KOMMI REDDY	[Signature]

Sl NO	USN	STUDENT NAME	Signature
40	INH17CV045	KUSHAL S	[Signature]
41	INH17CV046	KUSHAL S REDDY	[Signature]
42	INH17CV047	KUSHWANTH KUMAR L	[Signature]
43	INH17CV048	LALITHA A V	[Signature]
44	INH17CV049	LIKITH GOWDA K	[Signature]
45	INH17CV050	LOCHUMBENI P MURRY	[Signature]
46	INH17CV051	MD ADNAN FAHED	[Signature]
47	INH17CV052	M SUHAAAS	[Signature]
48	INH17CV053	MADHU B N	[Signature]
49	INH17CV054	MADHUSUDANA K	[Signature]
50	INH17CV055	MADHUTHEJA M	[Signature]
51	INH17CV056	MAHALAKSHMI SM	[Signature]
52	INH17CV057	MANAS HARSHA K	[Signature]
53	INH17CV058	MANIRAJ SAH	[Signature]
54	INH17CV059	MANJUNATH GOUDA PATIL	[Signature]
55	INH17CV061	MEGHANA VARDHAN	[Signature]
56	INH17CV062	MHAPHRUONEIZO RAME	[Signature]
57	INH17CV063	MONICA JAIN J	[Signature]
58	INH17CV064	MONISHA P M	[Signature]
59	INH17BT001	AMITH REDDY L	[Signature]
60	INH17BT017	NAMEIRAKPAM PRITHVIRAJ	[Signature]
61	INH17BT029	TAKHELLAMBAM HEROJIT SINGH	[Signature]
62	INH18CV400	YOUNIS MAJEED DAR	[Signature]
63	INH16CV074	P TEJDEEP REDDY	[Signature]
64	INH15CV007	ABHISHEK SHAHI	[Signature]
65	18CV401	NAMITH L	[Signature]
66	18CV402	SHIVANAND BALLOLLI	[Signature]
67	18CV403	ERANNA	[Signature]
68	18CV404	MANJUNATH	[Signature]
69	18CV405	GIRIYAPPA	[Signature]
70	18CV406	GANESH SHANKARANNA BADIGER	[Signature]
71	18CV407	MANU K H	[Signature]
72	18CV408	UMESH	[Signature]
73	18CV409	RASHMI S A	[Signature]
74	18CV410	RANJITH KUMAR N	[Signature]
75	18CV411	SACHIN KUMAR	[Signature]
76		NAVEEN KUMAR B R	[Signature]
77		SUDARSHAN C	[Signature]
78		BABU S R	[Signature]

HOD - CIVIL

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**NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
III SEM - B SEC ODD SEM 2018**

Workshop on "Green Technology - Its significance and relevance"- 05.10.2018

SL NO	USN	STUDENT NAME	Signature
1	INH13CV350	SHAIK RIYAZ AHAMED	Riyaz
2	INH16CV056	LOKAM TAGIA	Lokam
3	INH16CV069	MD YEJAS BAIG	Yejas
4	INH17BT030	THAHA K V	Thaha
5	INH17CV065	MUNAGAPATI	Munaga
6	INH17CV066	NARAHARI BHARADWAJ	Narahari
7	INH17CV067	NARESH RAUT	Naresh
8	INH17CV068	NATASHA WANGKHEM	Natasha
9	INH17CV071	NEMALLAPUDI KUSHAL	Nemalla
10	INH17CV072	NIKHIL H A	Nikhil
11	INH17CV073	NIROJ K C	Niroj
12	INH17CV074	NITHISH KUMAR Y K	Nithish
13	INH17CV075	NITHIN DIAS	Nithin
14	INH17CV077	NITHISH KUMAR P	Nithish
15	INH17CV078	NITIN MANJUNATH	Nitin
16	INH17CV079	OMKAR	Omkar
17	INH17CV080	P MUHAMMED RISAL	P. Risal
18	INH17CV081	SANIL SANKARANKUTTY	Sanil
19	INH17CV082	PARIKSHIT KUMAR G	Parikshit
20	INH17CV083	PAVAN KALYAN M	Pavan
21	INH17CV084	PAVANA D V	Pavana
22	INH17CV085	PRATAP SINGH	Pratap
23	INH17CV086	PRAVEEN KUMAR	Praveen
24	INH17CV088	PRIYAM BAID	Priyam
25	INH17CV089	R S ANUSHA	R. Anusha
26	INH17CV090	RAJ BHOWMIK	Raj
27	INH17CV091	RAMYASHREE C	Ramyashree
28	INH17CV092	RENETA CARINE C	Reneta
29	INH17CV093	ROBIN MATHEW JOSE	Robin
30	INH17CV094	ROSHAN SAMUEL A S	Roshan
31	INH17CV095	RUHUL ALTAF	Ruhul
32	INH17CV096	S HARSHITHA	Harshitha
33	INH17CV097	S V KUBER	S. Kuber
34	INH17CV098	SAGAR S	Sagar
35	INH17CV099	SAHAS A S	Sahas
36	INH17CV101	SAI YASHASWINATH	Sai
37	INH17CV102	SAJRAS M	Sajras
38	INH17CV103	SANGLAKPAM ARBIND	Sanglakpam

SL NO	USN	STUDENT NAME	Signature
39	INH17CV104	SANJANA KAFLE	Sanjana
40	INH17CV105	SANJEEV CHAUDHARY	Sanjeev
41	INH17CV106	SANJU J	Sanju
42	INH17CV107	SANTOSH YADAV C	Santosh
43	INH17CV108	SAPAM DHRUVA	Sapam
44	INH17CV109	SARFRAZ WALIKAR	Sarfraz
45	INH17CV110	SATISH M	Satish
46	INH17CV111	SAYAN KANTI ROY	Sayan
47	INH17CV112	SHAIKH SUHAIL AKTHAR	Suhail
48	INH17CV114	SOURAB THAKUR	Sourab
49	INH17CV115	SPOORTHI V	Spoorthi
50	INH17CV116	SRINIVAS REDDY M	Srinivas
51	INH17CV117	SURAJ R	Suraj
52	INH17CV118	SURESRINIVAS	Suresh
53	INH17CV119	SUSHILKUMAR BALAPPA	Sushil
54	INH17CV120	SUSHMA SHREE KT	Sushma
55	INH17CV121	UMMA REDDY VIKRANTH	Umma
56	INH17CV122	V LALTHLAMUAMPULL	V. Lalthlamuampull
57	INH17CV:23	V SHRINATH PALEGAR	V. Shrinath
58	INH17CV124	VEDANTH R	Vedanth
59	INH17CV125	VENKATESH C P	Venkatesh
60	INH17CV126	VENKOBA	Venkoba
61	INH17CV127	VENU S	Venu
62	INH17CV128	VIJAYAREDDY R D	Vijaya
63	INH17CV129	VISHWANATH V	Vishwanath
64	INH17CV130	YASHWANTH N	Yashwanth
65	INH17CV131	YENNAM RAVINDRA REDDY	Yennam
66	INH17CV132	YESHWANTH M	Yeshwanth
67		MANOJ VAIDYA	Manoj
68		SAMARTH T N	Samarth
69		MADAN J B	Madan
70		RAHUL P	Rahul
71		SHASHANK S	Shashank
72		MANOJ KUMAR N	Manoj
73		ANURAG M S	Anurag
74		DANIYAL KHAN	Daniyal
75		SANJAY	Sanjay

Pradharshan C
 NAVEEN KUMAR B.R
 BABU. S. R.
 HOD - CIVIL

To,
The Principal,
NHCE,
Bangalore.

Date: 05.10.2018

Dear Sir,

Sub: Request for honorarium for Resource Person -reg

With reference to the above subject, I would like to inform you that, department has successfully conducted a workshop on 05.10.2018 for III SEM students.

Name :	Mr. K P Pradeep Raja
Topic :	Green Technology - its significance and relevance

The main motto was to create the awareness, stress the importance of its implication in the present environmental scenario.

The details for the same are enclosed.

For the same, I am hereby requesting to make the payment of Rs.3, 000/- (Three Thousand only) towards honorarium.

This is for your kind information and approval.

With Regards,


HOD-CIVIL

Dean - Academics

HR -Head

Principal

Encl: CV and bank details

DETAILS REQUIRED		
S.NO		
1	Name of the Resource person	K.P. PRADEEP RAJA
2	Years of Experience	31yr
3	Currently working in	Research Scholar / Associate prof. PES-University
4	Designation	Associate professor
5	Number of Lecture Hours	02
6	Date of Lecture	05/10/2018
7	PAN Number	ADYPPO645F
8	Aadhar Number	9235 6682 9510
9	Date of Birth	12/05/1965
10	Educational Qualification	B.A. M.A. Tech. (Ph.D)
11	Bank Name	CANARA BANK, Yediyur Branch Tayyanager 7th blocks.
12	Account Number	0884 101025301
13	IFSC Code & Branch	CNRB0000884

K.P.PRADEEP RAJA

#25/34, 15th 'A' Main,
Tank Bund Road, N.S.Palya,
2nd Stage, B.T.M.Layout, Bangalore – 560076
E mail: kppradeeppraja@yahoo.co.in
Phone: 9243102470



Professor K.P. Pradeep Raja was born on 1965 in Keralapura, Hassan Dist, Karnataka, India. He is currently pursuing research at BMSCE, Bengaluru affiliated to VTU Belagavi on “Degrading Lakes/Tanks”. He has Nearly 31 years of experience of which, 20 years in the field of construction. Actively involved in planning, designing, liasoning, management, execution of projects of different scales and 11 years in teaching.

Educational qualifications

- ❖ Pursuing Ph.D (VTU-2013) under the guidance of Dr.Suresh Ramaswwamyreddy, BMSCE, Bengaluru and he is on the verge of submitting the Ph.D Thesis titled “Study of degradation of lakes using RS and GIS applications”.
- ❖ Master of Technology in Remote Sensing, 2009 – 2011, – First class with distinction, Anna University of Technology, Coimbatore.
- ❖ Bachelor of Engineering, 1982 - 1987. – First class
University Visweswaraya College of Engineering (UVCE), Bangalore University, Bangalore.

Professional Experience

He has worked as

- ❖ **Managing Partner** – November 1988 to April 1993, Rajadhar Constructions, Jayanagar, Bangalore. Constructed around 40 residential buildings, 1 commercial building and 1 Apartment complex.
- ❖ **Proprietor** – May 1993 to August 2008, - Sree Constructions, BTM Layout, Bangalore. During this tenure he has designed and constructed more than 300 residential buildings, 2 Commercial complexes and 3 residential apartments.
- ❖ **Lecturer** – September 2008 to June 2011, PES School of Engineering, Bangalore.
- ❖ **Asst.Professor** – July 2011 to May 2012, New Horizon College of Engineering, Bangalore.
- ❖ **Asst.Professor** – July 2012 to December 2013, Jyothy Institute of Technology, Bangalore.
- ❖ **Associate Professor** – Since July 2014 – PES University – BSC – South Campus.

ACTIVITIES

Students project on - GIS for power distribution system in Karnataka at district level - The project highlights the various places of power production in different forms like hydro electric projects, thermal projects, solar energy, wind energy and other sources. It also gives the information about the amount of energy produced and distributed which is geographically referenced.

Another project on GIS for tourism – This is a project which gives the geographical information of various tourists spots in and around Bangalore with nearby ATM's, Fuel stations, Hospitals etc, The important feature of this project is that it not only gives the information about the tourists spot but also gives the time required to visit the different places within a stipulated time so that a tourists can plan his places of interests. It also integrates the GIS for mobile applications.

CONFERENCES & WORKSHOPS

Participated in “Academic Leadership Programme” under the track *Innovation & Creativity in Technical Education* on 2nd, 3rd, & 4th March 2012 @ PESIT Campus Auditorium, BSK III Stage, Bangalore Jointly organized by Shruth & Smith Foundation and VTU.

Participated in a One Day Interactive session on “Measures to control siltation of reservoirs and Desiltation” at Vikasasoudha, Bangalore organized by the Task force for Quality Assurance in public constructions on 26th August 2011.

Participated in GIS workshop on “Advances in Geo- Spatial Technology” organized by Centre for Disaster Mitigation and Management (CDMM) in association with NIIT GIS Ltd.(esri India) At VIT University, Vellore, Tamilnadu on September 30 & October 1, 2010.

Presented a paper on **Geographical Information System for Medical services in MYSORE** at a National Conference on Spatial strategies on Sustainable Management held at Bharathidasan University, Trichy, Tamilnadu. The paper was awarded as **THE BEST PAPER** in the conference in 2011.

Presented a conference paper titled “Rainfall Trend Analysis of a mini watershed: A case study on Degrading Lakes” in “International Symposium on Horticulture: Priorities & Emerging Trends” ICAR,IIHR, Bengaluru in 2017.

PUBLICATIONS

Published a paper on **GIS for Medical services in MYSORE** in the Indian Institute of Earth Sciences and Engineering Journal 2011.

Published a paper on “Rainfall Trend Analysis of a Mini Watershed: A Case Study on Degrading Lakes/Tanks.” International Journal of Research - Granthaalayah, 2018.

NEW HORIZON COLLEGE OF ENGINEERING
Department of Civil Engineering

FEEDBACK FORM

USN. 19A12EV063 Name of the Student: Monica Jain J

Topic: "Green Technology – its significance and relevance" in association with ICI

Name of the speaker: Mr. K P Pradeep Raja

If you have attended the workshop we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you

Please '(Tick ✓)' the opinion you find most suitable.

Sl No:	Particular	Extremely good	Good	Quite Good	Poor
1	How was the overall organization of the event ?	✓			
2	How relevant was the content discussed by the speaker?		✓		
3	Are you satisfied with the time and Venue?		✓		
4	How much interesting this session was for you?	✓			
	How was the presentation about the topic before the session?		✓		
6	Did the session cover what you were expecting?	✓			
7	What is your opinion about the speaker?		✓		
8	How much this session was useful from the knowledge and information point of view?	✓			
9	Overall effectiveness of the program	✓			

Additional comments and suggestions for future:

Date: 05.10.2018