



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

Expert Lecture

on

Hydraulic pump – Types and applications

By

Mr.B.N.Nagesh,

Dy.Chief Engineer,

KUWS&DB, Bengalure

Date: 10.04.2018

Time: 11.00 AM

Venue

Room No: C205

Department of Civil Engineering

All are cordially invited



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CIRCULAR

All the students of 3RD semester are informed to attend the expert lecture on the topic titled, "Hydraulic pump – Types and applications" on 10.04.2018 from 11.00 AM.

The Lecture venue is Room No: C 205, Department of Civil Engineering

Dr. Niranjana P S
Professor & HOD
Department of Civil
Engineering, NHCE

Date: 05.04.2018

To
The Principal
New Horizon college of Engineering
Bangalore


Through Professor and Head, Department of Civil Engineering

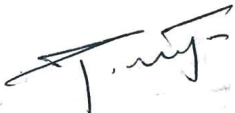
Respected sir,

Subject: Permission to conduct Expert Lecture on Topic, "Hydraulic pump – Types and applications"

The department of Civil Engineering would like to organize an expert Lecture on the above topic. The resource person is Mr.B.N.Nagesh, Dy.Chief Engineer, KUWS&DB, Bengalure. The event is scheduled on 10.04.2018 at 11.00 AM in the department of civil engineering. Hence I request for your permission for the successful conduction of the lecture.

Thanking you


Ms. Meghana Patnakar
Assistant Professor
Department of civil engineering, NHCE


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



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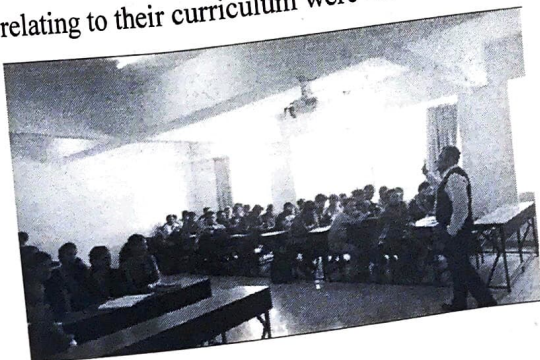
Ref: NHCE/CV/2017-2018/ Expert Lecture/Rep/


Date: 12.04.2018

REPORT

The guest lecture was held on 10.04.2018 for 3rd semester Civil engineering students. The program began with a welcome address by **Ms. Meghana Patnakar**, Assistant Professor, Department of Civil Engineering.

Mr. B. N. Nagesh enlightened the students with different types of Hydraulic pumps, its functioning, importance and applications in various hydraulic structures. Hydraulic pumps are used in hydraulic drive systems and can be hydrostatic or hydrodynamic. A hydraulic pump is a mechanical source of power that converts mechanical power into hydraulic energy (hydrostatic energy i.e. flow, pressure). It generates flow with enough power to overcome pressure induced by the load at the pump outlet. When a hydraulic pump operates, it creates a vacuum at the pump inlet, which forces liquid from the reservoir into the inlet line to the pump and by mechanical action delivers this liquid to the pump outlet and forces it into the hydraulic system. Hydrostatic pumps are positive displacement pumps while hydrodynamic pumps can be fixed displacement pumps, in which the displacement (flow through the pump per rotation of the pump) cannot be adjusted, or variable displacement pumps, which have a more complicated construction that allows the displacement to be adjusted. Hydrodynamic pumps are more frequent in day-to-day life. Hydrostatic pumps of various types all work on the principle of Pascal's law. Student's queries regarding the topic relating to their curriculum were cleared.


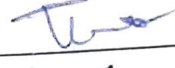


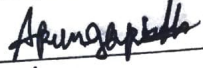


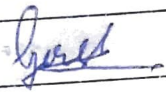


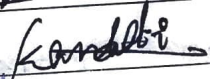
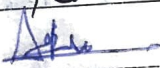


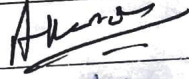

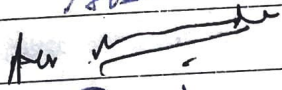



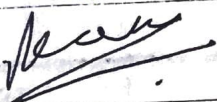








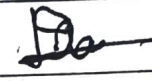
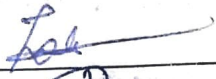




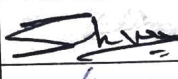

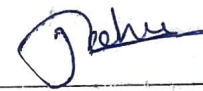

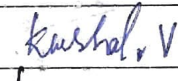
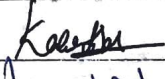

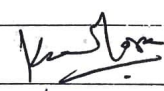
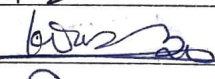

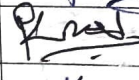


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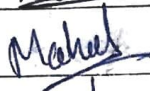
NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

EVEN SEMESTER 2018 3rd SEMESTER

Sl.No.	USN	Name of the Student	Signature
1	INH16CV002	ABHIJITH SANTOSH	
2	INH16CV011	AMAL THOMAS	
3	INH16CV014	ANAND VIJAYAN	
4	INH16CV016	ARJUN G V	
5	INH16CV017	ARUN GOPINATH	
6	INH16CV047	JOSEPH JOSEPH	
7	INH16CV054	LAISHANGBAM BIKASH SINGH	
8	INH16CV057	M GIRISHANKAR	
9	INH16CV064	Manjunath BG	
10	INH16CV101	SHUHAIL M	
11	INH16CV141	KONDETI PAVAN KUMAR	
12	INH17CV001	ABDUL ROUF WANI	
13	INH17CV002	ABHINAV DUBEY	
14	INH17CV003	ABHISHEK B V	
15	INH17CV004	ABHISHEK P	
16	INH17CV008	AKRITI NAIK	
17	INH17CV009	AMR NAZEER AHMED	
18	INH17CV010	AMRITANSH SINHA	
19	INH17CV011	ANUSKA RAJ SRIVASTAVA	
20	INH17CV012	ARKESH A V	
21	INH17CV013	BAZAL ARSHAD MUKHDOMI	

22	INH17CV014	BHARATH A	
23	INH17CV016	BHAVYASHREE R	
24	INH17CV018	CH BALA NAGENDRA	
25	INH17CV020	CHEZHAN C N	
26	INH17CV021	CHIRAG H A	
27	INH17CV024	DARSHAN SA	
28	INH17CV025	DARSHAN.V.KULKARNI	
29	INH17CV027	FAISAL SHARIF	
30	INH17CV028	FAZIL JAVAID	
31	INH17CV029	HEMANTH KUMAR K P	
32	INH17CV030	HEMANTH M	
33	INH17CV031	IMMANUEL LALRAMPANMAWIA	
34	INH17CV032	ISHITVA PAREEEK	
35	INH17CV034	JEFFREY KURIAN	
36	INH17CV035	JOHAN CHANDAPPILLA T J V	
37	INH17CV036	KANAGALA SHANMUKA SAI	
38	INH17CV038	KAUSHAL V REDDY	
39	INH17CV039	KEERTESH V REDDY	
40	INH17CV040	KEERTHANA M	
41	INH17CV041	KENEISEVOR MEDOM	
42	INH17CV042	KHALID NAFEEES	
43	INH17CV043	KISHORE DEVARAGUDI	
44	INH17CV044	KOMMI REDDY PRATHAPA REDDY	
45	INH17CV045	KUSHAL S	
46	INH17CV046	KUSHAL S REDDY	

47	INH17CV047	KUSHWANTH KUMAR L	
48	INH17CV048	LALITHA A V	
49	INH17CV049	LIKITHGOWDA K	
50	INH17CV050	LOCHUMBENI P MURRY	
51	INH17CV051	MD ADNAN FAHED	
52	INH17CV052	M SUHAAS	
53	INH17CV053	MADHU B N	
54	INH17CV055	MADHUTHEJA M	
55	INH17CV056	MAHALAKSHMI SM	
56	INH17CV057	MANAS HARSHA K	
57	INH17CV058	MANIRAJ SAH	
58	INH17CV059	MANJUNATH GOUDA PATIL	
59	INH17CV061	MEGHANA VARDHAN N V	
60	INH17CV063	MONICA JAIN J	
61	INH17CV064	MONISHA P M	
62	INH17CV135	TAKHELLAMBAM HEROJIT SINGH	
63	INH18CV403	ERANNA	
64	INH18CV404	GANESH SHANKARANNA BADIGER	
65	INH18CV405	GIRIYAPPA	
66	INH18CV407	MANJUNATH	
67	INH18CV410	MANU K H	
68	INH18CV411	NAMITH L	
69	INH18CV414	RANJITH KUMAR N	
70	INH18CV415	RASHMI S A	
71	INH18CV416	SACHINKUMAR	
72	INH18CV420	SHIVANAND BALLOLLI	