

DEPARTMENT
OF
COMPUTER ENGINEERING

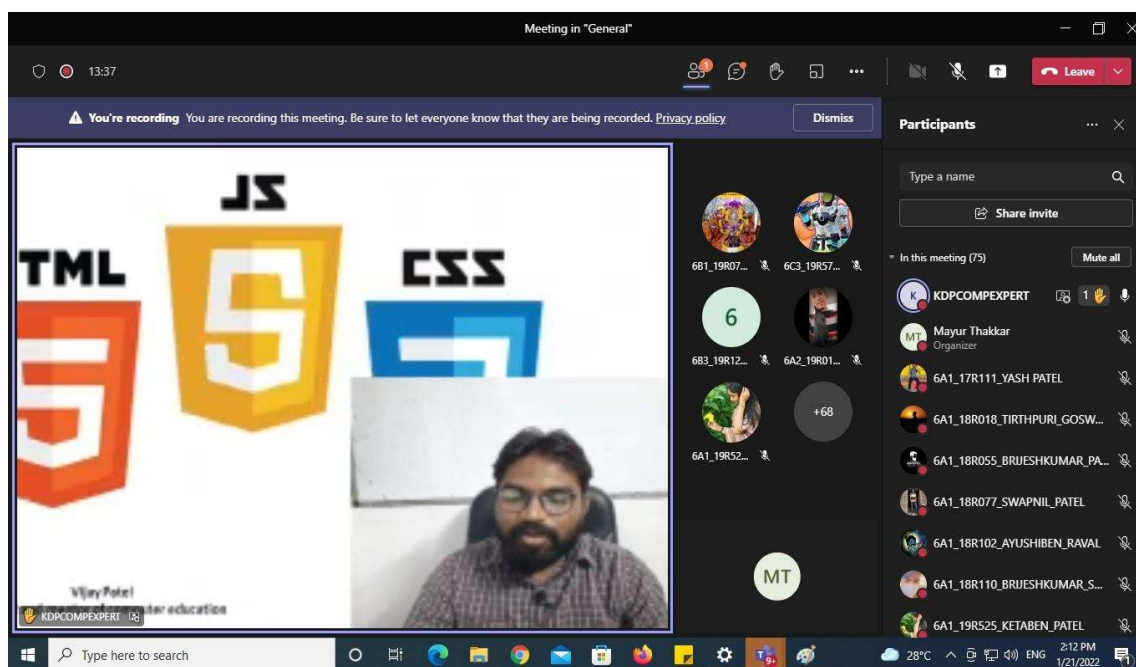
Newsletter

January-June [2022]

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COMPUTER DEPARTMENT ACTIVITIES

Expert Lecture Organized by Department of Computer Engineering
(January 2022 to June 2022)



Mr. Vijay Patel ,Trainer at Zorens, Patan delivered expert Lecture on Full Stack Web Development 21/01/2022. 97 Students of the Computer Engineering Department Attended this Session. Main Goal of this lecture was to educate students for industry related web development.



Dr.Jayesh N Modi, Assistant Professor, Department of Computer Science, HNGU, Patan delivered expert Lecture on Network Security on 04/02/2022. 89 Students of Computer Engineering Department Attended this Session.

Project Fair - 2022

Department of Computer Engineering organized Project Fair 2022 on 30 March 2022 at LRUC building computer department. All students of 6th semester participated in the event. Total 24 groups of students displayed their working project to all the faculties of computer department. To encourage students for their efforts and to motivate all students' prizes were distributed. Evaluations of projects were done by the evaluators (faculties of computer department).The Winning Project was Job card & Service history management. Winner Team members Thakor Rameshji Kuvarji, Gohil Rahulkumar Rasikbhai, Jansari Srushti Pravinkumar and Darji Mallika Sunilkumar received Certificate from our Respected Head of Department Shri. J.M.Joshi.



Department of Computer Engineering Participation In Ndli Club

April 19, 2022 11 AM, NDLI club, K.D.Polytechnic, Patan organized seminar on "NSS Awareness" at Academic Block-AB-003. Speaker Was Mr. C.N.Desai Lecturer, Mechanical Engineering Department, K.D.Polytechnic, Patan. He gave information regarding Role of NSS and Services are done by NSS. 48 students of Computer Department attended this session.



April 20, 2022 11 AM, NDLI club, K.D.Polytechnic, Patan organized seminar on "Communication Skill" at Academic Block-AB003. Mr. Pankaj Yadav Lecturer, English, K.D.Polytechnic Patan delivered this Session. He gave information regarding communication skill. 54 students of Computer Department attended this session..



April 22, 2022 11 AM, NDLI club, K.D.Polytechnic Patan organized Quiz on "General Knowledge" at Academic Block-AB003. 20 Questions are designed from the different topics. 60 students of Computer Department participated in the quiz.



April 25, 2022 11 AM, NDLI club, K.D.Polytechnic, Patan organized seminar on "Electrical Safety" at Academic block- AB-003. Mr. Parth Mishra, Lecturer in Electrical Engineering, K.D.Polytechnic Patan delivered this session. He gave information regarding safety rules against electrical appliances. 55 students of Computer Department attended this seminar.



April 26, 2022 11 AM, NDLI club, K.D.Polytechnic, Patan organized seminar on "Water Harvesting" at Academic-Block AB-003. Speaker Was Mr. V.P.Patel Lecturer Civil Engineering, K.D.Polytechnic Patan. He had given information regarding water harvesting. 50 students Computer Department attended this seminar.



April 27, 2022 11 AM, NDLI club, K.D.Polytechnic, Patan organized Group Discussion" at Academic-Block AB-003. Speaker Was Mr. Pankaj Yadav , Lecturer English, K.D.Polytechnic, Patan 15 students of Computer Department participated in this Group Discussion



Department of Computer Engineering Participation in NSS

NSS Unit K.D.Polytechnic Patan organized Tree Plantation Program on 15/06/2022 .45 Students of Computer Department along with Faculty members and Respected Head of Department Shri. J.M.Joshi participated in this. To save environment different trees and plants were planted on this day in the Campus.



Department of Computer Engineering Participation In **Women Development Cell**

Female Students along with Women development Cell Committee Members actively attended Seminar on International Women's Day. This Seminar was organized by Women Development Cell, K.D.Polytechnic Patan on 8th March 2022. Aim of this seminar was to provide awareness about Women rights.



Student Achievements
GTU Result (Winter-2021)

Diploma Semester 1			
Sr. No.	Enrolment No.	Name	SPI
1	216310307105	RAVAL SHITTALBEN JAYESHBHAI	9.52
2	216310307026	PRAJAPATI SHAILESH MAHADEVBHAI	9.1
3	216310307006	PATEL MAHARSHI CHANDRESHKUMAR	8.9
Diploma Semester 3			
Sr. No.	Enrolment No.	Name	SPI
1	206310307095	VYAS VISHVA PRAFULCHANDRA	9.55
2	206310307094	THAKKAR AAYUSHI MANOJKUMAR	9.16
3	206310307014	RANA KISHAN PRAKASHKUMAR	9
Diploma Semester 5			
Sr. No.	Enrolment No.	Name	SPI
1	196310307577	THAKOR RAMESHJI KUVARJI	9.83
2	196310307517	GOHIL RAHULKUMAR RASIKBHAI	9.77
3	196310307025	JANSARI SRUSHTI PRAVINKUMAR	9.53

Faculty Achievements

Paper Publication

Paper Title	Name of Faculty	Conference/ Journal	Paper Level	Date Of Publicat ion
Container Scheduling Algorithm In Docker Based Cloud	Jigna. N.Acharya	Jornal-Webology (ISSN: 1735- 188X)	International	2022

Paper Abstract:

In last few years, Docker container is used as light weight virtualization for building infrastructure as a service of cloud computing. Container placement on machines is traditional scheduling problem in docker based cloud. Docker supports default scheduling strategy called spread strategy. Its main objective is to place containers on each and every machine available in docker cluster. However, spread strategy does not consider load of machines. So, it leads to overloading or under loading of machines as well as not proper utilization of resources. In this paper, we proposed new scheduling algorithm that consider CPU usage of every machine in the docker cluster. To choose the most appropriate machine to place containers needed to be allocated in scheduling process, author define method for CPU utilization of every machine and select machine with minimum CPU utilization value for container placement. The experiment results shows that our scheduling algorithm use minimum number of machines in docker cluster as well as proper utilization of resources as compared to spread strategy.

Keywords: Docker, Container, Cloud computing, Spread Algorithm, Scheduling

Artist Corner

A Beautiful Sketch on Engineer's Day By an Engineer...



Proud Alumni

Naman Acharya (2016-2019 Batch)

Naman Acharya has completed Course on Computer Engineering Technician-Mechatronic System from Mohawk College, Ontario, Canada

He Completed his Diploma in Computer Engineering from K.D.Polytechnic Patan.

He Got CPI-7.66(First Class with Distinction)

During his Study in Computer Department, He always keen to learn.



TEAM NEWSLETTER

<i>Smt.B.I.Saini</i>	<i>Lecturer Department of Computer Engineering</i>
<i>Shri.K.M.Madhu</i>	<i>Lecturer Department of Computer Engineering</i>
<i>Mr.RahulKumar.R.Gohil</i>	<i>Student Volunteer</i>