

GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)
Seshadri Rao Knowledge Village, GUDLAVALLERU

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 12.05.2020.

CIRCULAR

All the faculty are here by informed that Mechanical Engineering Department is conducting a guest lecture on “**HYPERWORKS**” by **K. Naveen Kumar, Lead Engineer at HCL Technologies Ltd. Hyderabad**, on 14th May 2020 for III year Mechanical Engineering students. All the faculty members are requested to join this guest lecture.

Venue: ME Seminar Hall (N – 216)

Time: 02.00 PM to 04.20 PM


H.M.E.

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Seshadri Rao Knowledge Village, GUDLAVALLERU

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 11.05.2020

CIRCULAR

All the III B. Tech. Mechanical Engineering Students are here by informed to participate in a guest lecture on “Hyperworks” by Mr. K.Naveen Kumar Lead Engineer at HCL Technologies Pvt. Ltd. Hyderabad, on 14th May 2020 without fail.

Venue: Mechanical AC Seminar Hall (N216)

Time: 02.00PM to 04.20 PM


H.M.E

13

PSN



IE (I) STUDENT CHAPTER



In association with

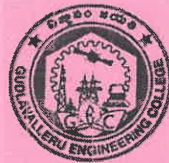
MECHANICAL ENGINEERING ASSOCIATION

Is Organising

Guest Lecture on Hyperworks

on

14th May - 2020



**Department of Mechanical Engineering
Seshadri Rao**

Gudlavalleru Engineering College

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakindada)

Seshadri Rao Knowledge Village

GUDLAVALLERU - 521 356

Krishna Dist. A.P.

Programme Schedule

- ⇒ Welcoming Guests
- ⇒ Introduction to Speaker
- ⇒ Lecture on Hyperworks
- ⇒ Vote of Thanks

Guest Speaker

Sri. K. Naveen Kumar
Lead Engineer
HCL Technologies Ltd., Hyderabad.

Coordinators

Sri.P. Satyanarayana. *Asst. Prof,*
Sri G.Ratna kumar. *Asst. Prof,*

Venue

Mechanical AC Seminar Hall (N 216)



HYPERWORKS

By

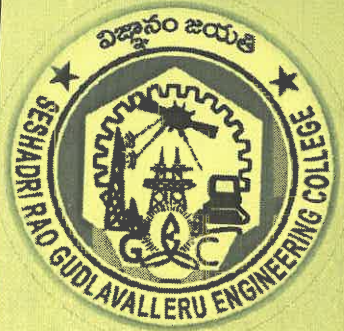
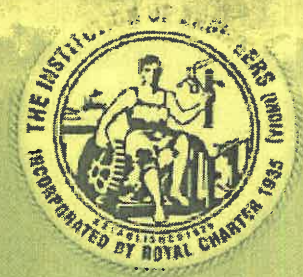
SRI. K. NAVEEN KUMAR

Lead Engineer

HCL Technologies Ltd., Hyderabad.

on

14.05.2020



DEPARTMENT OF MECHANICAL ENGINEERING
SESHADRI RAO
GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)
Seshadri Rao Knowledge Village:: GUDLAVALLERU

Naveen Kumar Kolapalli

H.NO: 12-7-134/P20, Flat no: 101,
Sri Ganapati Nilayam, Anjaneya Nagar,
Moosapet,Hyderabad-500018.

Mail: naveenkolapalli@hotmail.com

Contact: +91 9441826550

Career Summary:

Lead Engineer with 6+ years of extensive experience in Engineering Design, new product development, Manufacturing Process, Assembly Process Planning. Highly skilled in CAD modelling, Assembly, drafting, GD&T, and sheet metal designs, 3D Factory Layout and Optimization, Assembly Process Planning, Virtual Design Review & Audit, Virtual Build.

Professional experience:

- Working as Lead Engineer at HCL Technologies Ltd., Phoenix City Madhapur(8th Apr 2019 to till date)
- Worked as Engineer at AXISCADES Technologies Ltd., Hi-Tech City, Madhapur(22nd Sep 2015 to 5th Apr 2019)
- Worked as Design Engineer at CADD Center, Hyderabad (3rd Mar 2015 to 31st Aug 2015)
- Worked as Senior Instructor at A.A.N.M & V.V.S.R Polytechnic College, Gudlavalleru(8th Sep 2010 to 28th Feb 2011)

Projects Executed:

Project : GSS LASERS
Client : KLA-Tencor
Tools : Creo 4.0, Windchill, Enovia, JIRA and MS Office.
Designation : Lead Engineer

Description:

- Created on Enclosures, Frames, Mounting brackets and top-level Assemblies.
- Ensured the design safety using Creo Simulate Static/Seismic analysis.
- Provided functional design solution to the complex design requirements.
- Had good rapport with customer for effective and timely deliveries.
- Created Drawings and Assembly procedures based on KLA standards.
- Responsible to release the Design BOM, and drawings to ENOVIA PLM.
- Responsible to provide cost comparison of various vendors.
- Created cost efficient packaging crate assembly for shipment.

Projects Executed:

Project : Virtual Manufacturing Engineering
Client : Ford, Global Manufacturing Engineering
Tools : Teamcenter MPP, Teamcenter Vis Mockup, MS PowerPoint, MS Excel
Designation : Lead Engineer

Description:

- Checking product Global manufacturing requirements (GMR)for vehicles using Teamcenter Vismockup in Body construction team.

- CAD Monitoring for NPI vehicles for different facilities.
- CAD comparison for NPI vehicles with respective change revisions.
- Structure Creation and additions for NPI products using Team center MMP.
- Checklist Creation for station wise for NPI Products.
- Interacting with Manufacturing Engineer to understand the requirements and ensuring on fulfilling the same in deliverables

Project : Visual Communication Support for Manufacturing Units
Client : Component Manufacturing Division, Caterpillar
Tools : Adobe Illustrator, MS PowerPoint, MS Excel, Microsoft Power BI
Designation : Lead Engineer

Description:

- Having good experience in Manufacturing services, developed content for various handbooks for Caterpillar Components Manufacturing Division
- Developed Handbook on Quality that includes the concepts like Built in Quality, Poka-Yoke, Root Cause Analysis, Cost of Poor Quality
- Developed Handbook on Metrics being followed in manufacturing units, that includes various KPIs to be measured and monitored in an assembly line
- Interacting with Onsite Coordinators to understand the customer requirements and ensuring on fulfilling the same in deliverables
- Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients and mobile apps
- Explore data in a Variety of ways and across multiple visualizations using Power BI
- Used Power BI Gateways to keep the dashboards and reports up to date.
- Installed and Configured Enterprise Gateway and Personal Gateway in Power Bi Services.
- Published reports and dashboards using Power BI.

Project : ASSEMBLY PROCESS PLANNING (APP), 3D PLANT LAYOUT
Client : Caterpillar India Private Limited.
Tools : Factory CAD, Teamcenter Vis mockup, CAPP+, PLEX, HVC, MCS, CREO, ODS
Designation : Engineer

Description:

3D Layout Design and Optimization, Engineering Changes for heavy Engineering Equipment's and Engines, Line Balancing for HMS, SWES Creation and Time Study for Excavators and Off Highway Trucks (OHT) and VB & VDRA Projects on Engines & Machines, Simplification of Assembly Process Planning (APP).

- Having Assembly line experience for Excavators and Off highway trucks at Caterpillar plant, Tiruvallur, Chennai
- Created 3D Plant Layout for Engine Facility in Caterpillar Franklin
- Modeled 3D Plant Layout, Flow analysis and Optimization for the Axle Plant in CIPL, Chennai
- Modeled 3D Plant Layout for the Transmission Plant Layout in CIPL, Chennai
- Documentation of Engineering changes for Assembly Line with respect to new releases
- To set and calculate standard time for different operations of assembly line

- To simplify assembly process with the help of visual aids
- Line balancing, Capacity planning and Yamazumi chart for HMS (NPI), Caterpillar, Batam
- Creating Assembly station sequence for Excavators & Engines and conducting Virtual audits to eliminate Engineering & Assembly issues
- VDRA, VB Validation for C9, C18, C32, and C175 for Griffin and Lafayette facilities.
- Robust APQP execution for both new product and changes to existing products and processes.
- Creating process flowcharts, process FMEAs, process Control plans and Safety FMEAs, Safety Control plans
- PFMEA and Control Plans for Engines using Plex
- Worked with the engineering team to resolve ergonomic & assembly issues
- Handling of APP projects using PLEX & CAPP+
- Simplified assembly process with the help of Paper build, SWES & Build book
- Creating excel formula and macros as per project requirements

Software Platforms:

- | | | |
|------------------------|---------------------|----------------------------------|
| • Creo Parametric | • AutoCAD | • Microsoft Power BI |
| • Windchill and Enovia | • FactoryCAD | • Basics of Python |
| • TeamcenterMpp | • NX CAD | • Advanced Excel, Macros and VBA |
| • TeamcenterVismockup | • Plex, CAPP+ & MCS | |

Educational Qualifications:

- Completed B-tech in mechanical from GudlavalleruEngineering College, Gudlavalleru, with an aggregate of 70.5%
- Completed Diploma in Mechanical from AANM & VVRSR Polytechnic College, Gudlavalleru, Krishna District, and A.P with an aggregate of 80.81%
- Completed class X in the year 2007 from Sri ViswaSanthi High school, Vuyyuru with 76.66%

Co-circular Activities:

- A paper on “CAMLESS ENGINE” at AANM&VVRSR Polytechnic Gudlavalleru and won 2nd prize
- Presented a paper on “CAT CAR” at JNTU Kakinada University
- Participated workshops on CAD/CAE
- Participated in Technical Quiz and secured 1st prize at USHA RAMA College of engineering and technology Telaprolu

Academic Projects:

- “COMPOSITE MATERIALS ON GRAPHITE POWDER” as Leader for a team of ten during Diploma.
- “Experimental studies on variation of tool wear, cutting force, vibrations, noise and surface finish with respect to change in speed in turning operation”

KOLAPALLI NAVEEN KUMAR

GUDLAVALLERU ENGINEERING COLLEGE		
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Seshadri Rao Knowledge Village		
Gudlavalleru – 521 356, Krishna District, Andhra Pradesh		
Department of Mechanical Engineering		
14-05-2020		
A Guest Lecture on Introduction to Hyperworks by Sri. K. Naveen Kumar Lead Engineer, HCL Technologies Ltd., Hyderabad.		
S.No.	Roll No.	Name of the student
1	17481A0301	ABDUL RAHIL
2	17481A0303	ANUDEEP-DASARI
3	17481A0304	AREPALLI VIJAY KUMAR
4	17481A0307	BANDHAMRAVURI SUNILKUMAR
5	17481A0308	BATTA URMILA (W)
6	17481A0309	BATTIPATI SUSMITHA (W)
7	17481A0310	BEERAM THANUJA (W)
8	17481A0311	BELLANI RAJESH
9	17481A0312	BEZAWADA KRISHNA CHAITANYA KUMAR
10	17481A0315	CHEPURI SUSMITHA (W)
11	17481A0316	CHITROJU SATYANARAYANA
12	17481A0317	CHITTURI ESWAR NAGA SAI MANI KUMAR
13	17481A0319	DASARI PRUDHVI SAGAR
14	17481A0321	DAVULURI PRADEEP
15	17481A0322	DEVANTH PARCHURI
16	17481A0324	DOMATHOTI VARUN
17	17481A0325	DONDAPATI VIJAY KUMAR REDDY
18	17481A0326	ELCHURI KIRAN KUMAR
19	17481A0328	GARIKIMUKKU MANOJ
20	17481A0329	GNANA CHANDU INAMPUDI
21	17481A0331	GOWRA KARTHIK
22	17481A0351	MADDULA MANIKANTA
23	17481A0352	MADIRI VASAVI (W)
24	18485A0301	MOHAMMAD IMRAN
25	18485A0302	TATAKULA JAGADEESH
26	18485A0303	JUNAPUDI MAHESH BABU
27	18485A0304	TANKASALA NAGA SAI VENKATA VARA PRASAD
28	18485A0308	BULASARA ANIL KUMAR
29	18485A0309	GUNTURU VINAY KUMAR
30	18485A0310	GARAPATI VENKATA SAI DURGA
31	18485A0311	PAMARTHI ESWAR VEERA VENKATA MANI SHANKAR
32	18485A0312	AVANIGADDA KISHORE
33	18485A0313	ANKAM RAVI TEJA
34	18485A0314	DODDAKA CHANDRA SEKHAR
35	18485A0315	ABDUL KHALEEL AHMAD
36	18485A0316	ANAGANI NAGA GANESH
37	18485A0317	AREPALLI BHOGESH
38	18485A0318	CHAKKA CHAKRAVARTHI
39	18485A0319	DEVANABOINA SRI KRISHNA
40	18485A0320	GARIKIPATI DINESH VARMA
41	17481A0353	MALLAVOLU GANESH

42	17481A0354	MANDA PRASANTH KUMAR
43	17481A0355	MANDAVA LIKESH SAI
44	17481A0364	MUNAGALA VENKATA NAGA SAI
45	17481A0365	MUNIPALLI PAVAN KALYAN
46	17481A0366	N DHEERAJ SRINIVAS
47	17481A0367	NALLAMADUGU VENKATA KARTHIK
48	17481A0368	NAREPALEPU SAKET BABA
49	17481A0369	NIDUMOLU RAJA GANESH
50	17481A0370	PADAMATA PAVAN VENKATESWARARAO
51	17481A0371	PAGOLU HEMANTH BABU
52	17481A0373	PARISE RAMESH
53	17481A0374	PEDAMALLU DINESH SAI
54	17481A0375	PERUMALLA MOHITH
55	17481A0376	PISUPATI CHANDRAKANTH
56	17481A0377	POLAGANI JAGADESH
57	17481A0378	POLUKONDA SAI KUMAR
58	17481A0379	POTNURI SAI PRAKASH
59	17481A0380	PULLETIKURTHI SAI KRISHNA
60	17481A0381	RAJULAPATI GUNAVARDHAN
61	17481A0383	RAVI VAMSI
62	17481A0384	SALA GOPI KRISHNA
63	17481A0385	SAMMETA ABHINAYA SESA SAI AKHILESH
64	17481A0386	SAMMETA YOGA SREEDHAR
65	17481A0388	SAYILA SRIMAN
66	17481A0389	SHAIK CHAND BASHA
67	17481A0390	SHAIK KHAZA ALI
68	17481A0391	SHAIK MOHAMMED IBRAHEEM NASEER
69	17481A0392	SHAIK NAYAK RASUL
70	17481A0393	SHAIK NAZEER BASHA
71	17481A0394	SHAIK RAFI
72	17481A03A2	TUMMALA SUJITH KUMAR
73	17481A03A4	UPPALA REVANTH SAI
74	18485A0321	VEMULAPALLI RANGARAO
75	18485A0322	GATTIREDDY DINESH
76	18485A0323	PASUPUNETI SIVA KUMAR
77	18485A0324	VUYYURU YUGANDHAR
78	18485A0325	MANGADODDI SANKAR KUMAR
79	18485A0326	VEERANKI PAVAN KUMAR
80	18485A0327	VADDEBOINA GOPI NATH
81	18485A0328	RAYAVARAPU SANJAY KUMAR
82	18485A0338	NALLURI VAMSI KRISHNA
83	17481A03A5	UPPALA VIVEK
84	17481A03A6	VADELLI NAGA RAJU
85	17481A03A7	VALLURU PAVAN KUMAR
86	17481A03A8	VAMPUGANI SUMANTH
87	17481A03B0	VASANA HIMA ANANTH NAG
88	17481A03B1	VATRAPU KOMALI (W)
89	17481A03B2	VEERANKI KONDA BABU
90	17481A03B3	VEERLA HARISH
91	17481A03B4	VELCHURI NAGESWARA RAO

92	17481A03B5	VEMURU PRAVEEN KUMAR
93	17481A03B6	VIRIVADA JOHN BABU
94	17481A03B8	YEGI VIVEK VAMSI
95	17481A03B9	PINNAMAREDDY TABITHA JHANSI (W)
96	17481A03C0	KURAMA PAVAN KUMAR
97	17481A03D1	SADINENI JAYA KRISHNA
98	17481A03D2	KOLAPALLI SAI KRISHNA SATHWIK
99	17481A03D3	MURALA ANJANEYA VENKATA VARA PRASAD
100	17481A03D5	GANJI PAVAN KUMAR
101	17481A03D6	GOLI YASWANTH KUMAR
102	17481A03D7	CHEERLA CHATHURYA KUMAR
103	17481A03E6	AMUDALA SUBHASH
104	17481A03E8	TAMMANA MURALI SAI SAMBA SIVA KUMAR
105	17481A03E9	BODIGADDA SATISH KUMAR
106	17481A03F0	MADALA MANIKANTA
107	17481A03F1	GANDREDDI APPALA RAJU
108	18485A0347	PERUMALLA SAI PRAKASH
109	18485A0348	VEERAVARAPU GOWTHAM
110	18485A0355	MUNAKALA MADHU
111	18485A0356	POLAGANI VENKATA SAI ABHIMANYU
112	18485A0357	REDDI NAVEEN
113	18485A0358	TATA YAYATHI NAGA KALYAN
114	18485A0359	VATAPALLI SIVA DEV

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PROGRAM REPORT

- Name of the Program** : Guest Lecture on "Hyperworks"
- Dates** : 14.05.2020
- Details of the Resource Person** : Sri. K. Naveen Kumar, Lead Engineer, HCL Technologies Ltd., Hyderabad
- Objective of the Program** : To create awareness and Job opportunities in the area of Hyperworks
- Outcome of the Program** : Apply Hyperworks in analysis of engineering problems
- No. of Participants** : 114
- Concluding Remarks** : Students are given good insights into the opportunities of Hyperworks.


Coordinator


H.M.E.