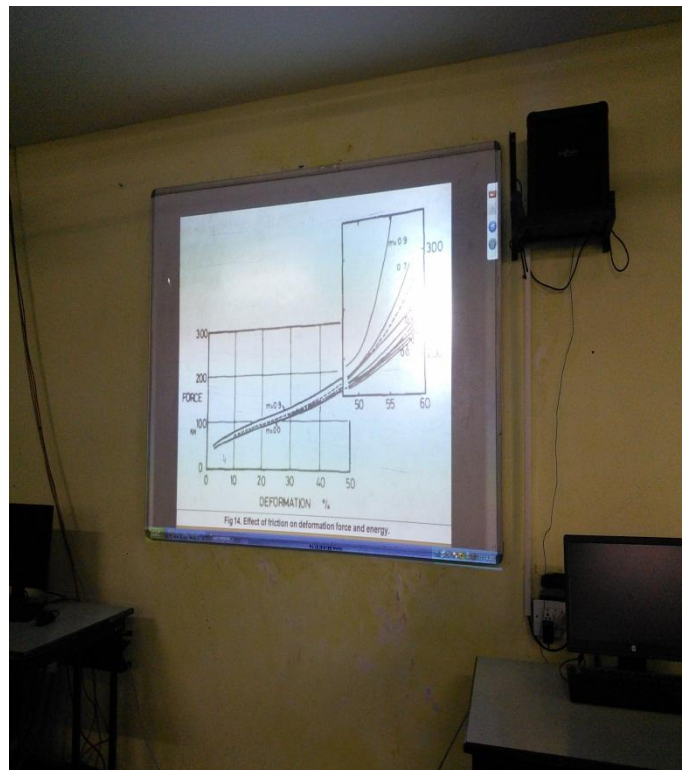
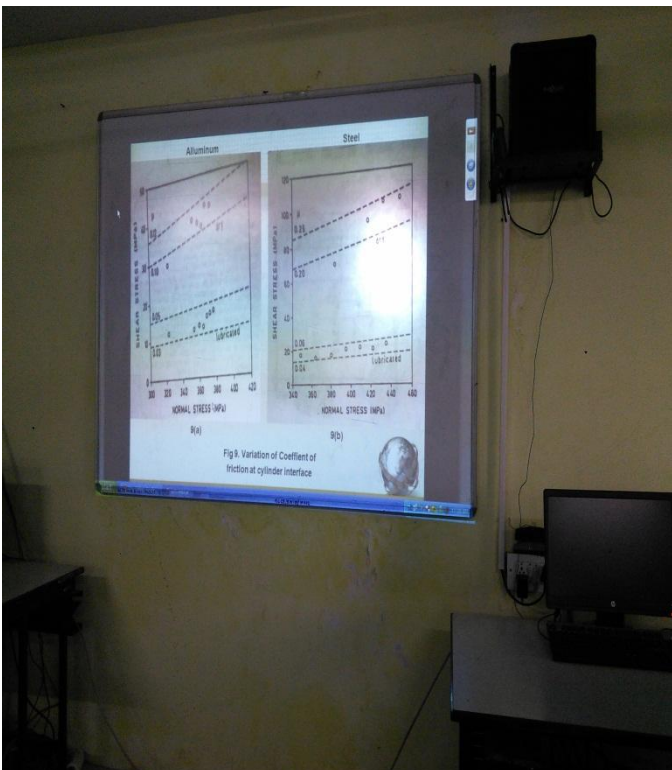
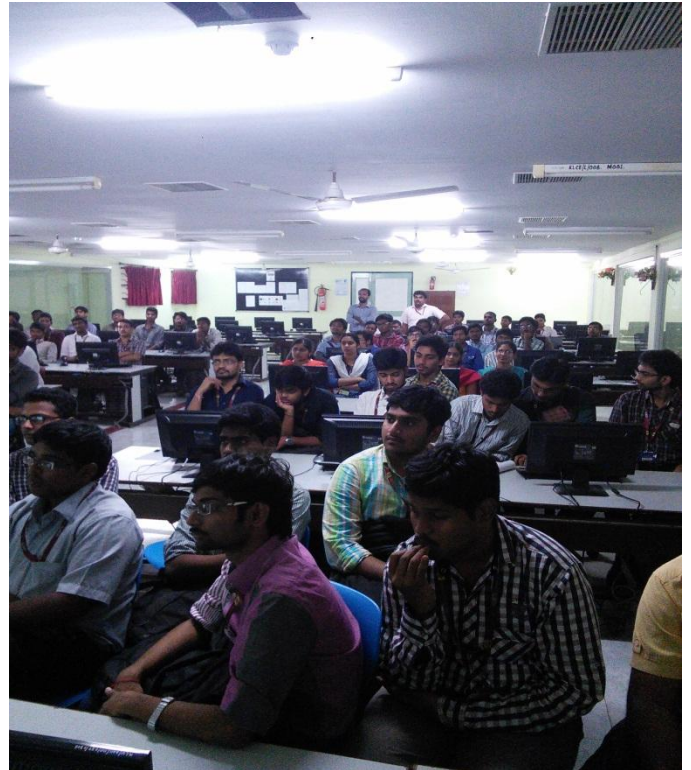
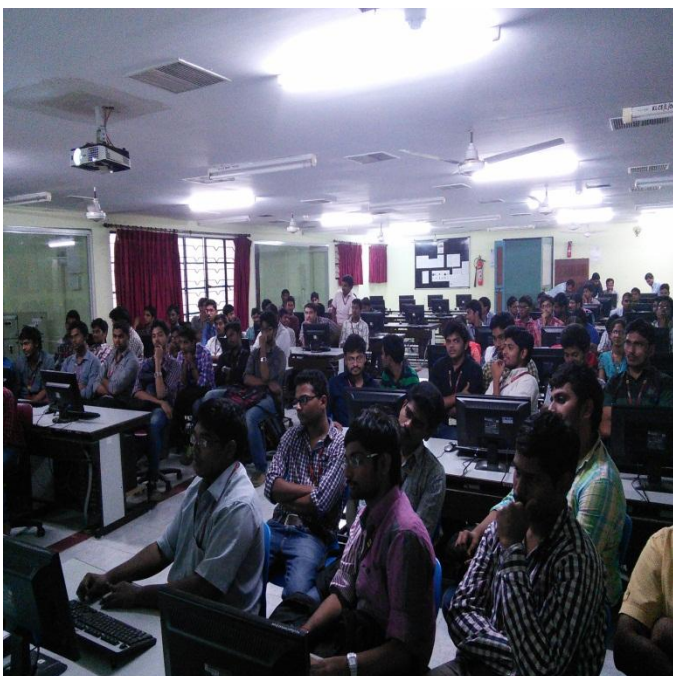
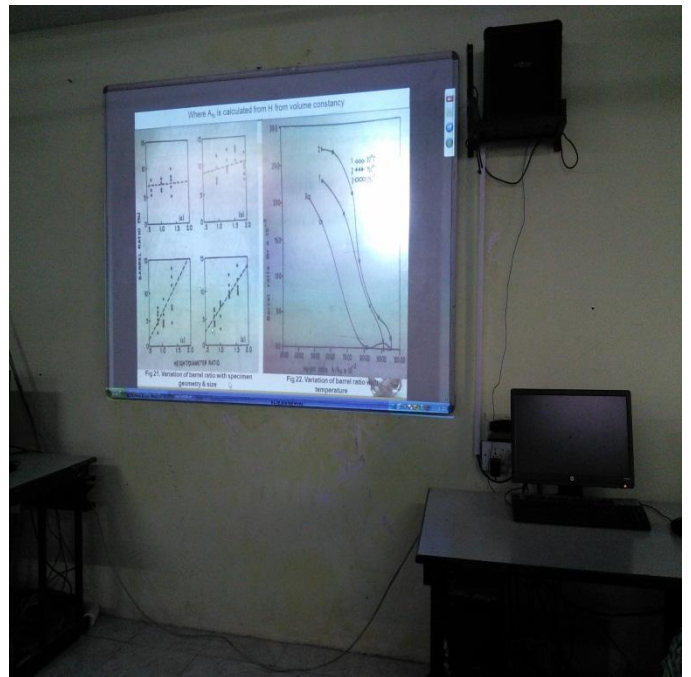
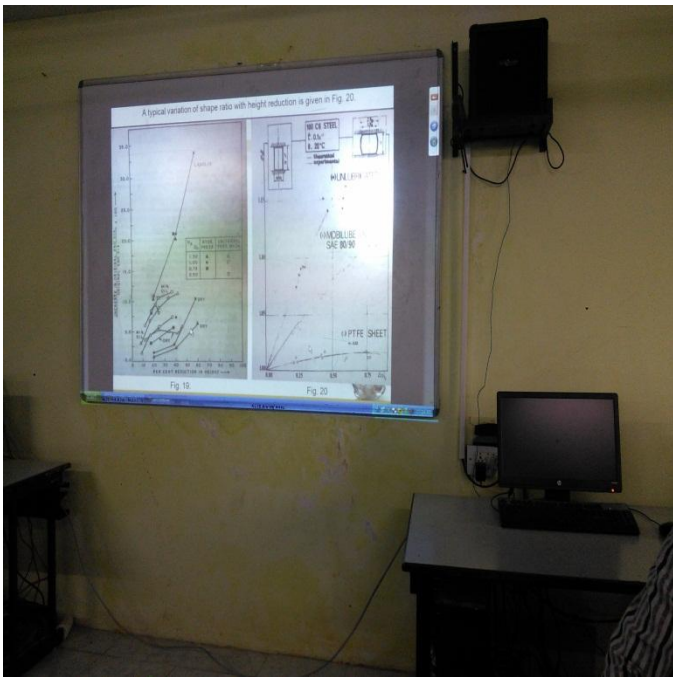


AXISYMMETRIC COMPRESSION OF METALLIC CYLINDERS

The present lecture is devoted to a discussion of the flow stress determination of materials for metal working application using Barrel Compression Test. The paper briefly outlines the equipment's and the specimen used for the test and throws light on the difficulties encountered in the determination of stress-strain behavior of materials using this method. The in homogeneity involved in the deformation process due to presence of friction is elaborated and results are presented from FEM simulation and experimental investigation. The barreling and fold over effects are also discussed. The effect of strain, strain rate and temperature on stress-strain behavior is also elaborated. The importance of the test on determination of workability of materials is also discussed.





The following students have attended the webinar conducted on 19/12/2014 in Aerospace Lab at 3:30 P.M.

CAD/CAM LAB (MECH-3-MECH BLOCK)

Log book for the academic year :

Semester :

Branch :

Section :

Date : 19/12/14

Time : 3:30 Pm

S.No	Name	Reg.No	Sys.No	Name of the experiment	signature
1	D Anand	12007266			D Anand
2	D. Ayyappa	12007236			D. Ayyappa
3	B.M.V. Manikant	12007284			B.M.V. Manikant
4	P. Venkatesh	12007318			P. Venkatesh
5	A. Manoj Kumar	12007486			A. Manoj Kumar
6	T. Anand	12007304			T. Anand
7	Ravi Ram	12007376			Ravi Ram
8	N. Brahm Prakash	12007348			N. Brahm Prakash
9	Ravna	12007379			Ravna
10	T.V.B. Manikishu	12007265			T.V.B. Manikishu
11	G. Harikar Reddy	12007518			G. Harikar Reddy
12	M. Sahiti	12007139			M. Sahiti
13	T. B. P. Sankar	12007250			T. B. P. Sankar
14	V. Sreekanth	12005132			V. Sreekanth
15	B. Manikant	12007238			B. Manikant
16	P. Hemant Kumar	12007028			P. Hemant Kumar
17	Jayachandra Ch	12007378			Jayachandra Ch
18	D. Vatsava	12007233			D. Vatsava
19	B. Joshi	12007165			B. Joshi
20	F. MAHESH	12007268			F. MAHESH
21	K.S.P. Ranga Reddy	12007471			K.S.P. Ranga Reddy
22	A. Prasad Sai Siva	12007400			A. Prasad Sai Siva
23	B. Anil Kumar	12007419			B. Anil Kumar
24	S. Siva Kumar	12007130			S. Siva Kumar
25	K. Umesh	12007082			K. Umesh
26	V.S. Suresh Kumar	12007152			V.S. Suresh Kumar
27	A. Navaneeth Reddy	12007394			A. Navaneeth Reddy
28	R. Sairam Manoj	12007469			R. Sairam Manoj
29	N.S.V. Seli Aditya	12007421			N.S.V. Seli Aditya
30	Moumye Venkatesh	12007457			Moumye Venkatesh
31	Ashish	12007256			Ashish
32	K. Venkateshwar Rao	12007213			K. Venkateshwar Rao
33	Y. Vivek	12007468			Y. Vivek
34	K. Narendhar Babu	12007460			K. Narendhar Babu
35	E.R.S. Raghul	12007467			E.R.S. Raghul

Remarks:

Faculty:

Lab Incharge:

webinar on Axisymmetric Compression of metallic cylinder

CAD/CAM LAB (ME6601- MECH BLOCK)

Webinar

Log book for the academic year :

Semester :

Branch:

Section:

Date : 19/12/14

Time: 3:30 pm

S.No	Name	Reg.No	Sys.No	Name of the experiment	signature
1	V.Sai Srinivas	12007465			[Signature]
2	N.Aravesh Kumar	12007466			[Signature]
3	D. Vijay Varma	12007410			[Signature]
4	H. S. Akash	12007412			[Signature]
5	V. Sahasrithra	12007508			[Signature]
6	D. Nagarajimha	12007159			[Signature]
7	F. K. Thejesh	12007222			[Signature]
8	M. N. V. S. BALAJI	12007333			[Signature]
9	K. Ajithkumar	12007473			[Signature]
10	A. Anirudh	12007112			[Signature]
11	B. Sai Kiran	12007148			[Signature]
12	K. L. V. Prabod	12007462			[Signature]
13	K. Dharma Pragnava	12007118			[Signature]
14	P. Dorababu	12007325			[Signature]
15	R. Nagendra	12007121			[Signature]
16	A. R. Teja	12007071			[Signature]
17	P. V. Sathish	12007129			[Signature]
18	M. Sudhakar	12007170			[Signature]
19	M. Bala	12007217			[Signature]
20	A. Anirudh	12007557			[Signature]
21	O. Prathod	12007125			[Signature]
22	B. Anuraj	12007208			[Signature]
23	K. Sunil Kumar	12007115			[Signature]
24	M. Egojkeerthi	12007066			[Signature]
25	V. Sairam	12007504			[Signature]
26	B. V. S. S. Anirudh	12007318			[Signature]
27	T. V. N. Vinay Kumar	12007257			[Signature]
28	B. Sathish Kumar Reddy	12007261			[Signature]
29	E. Sai Kiran	12007094			[Signature]
30	K. Santhi Swaroop	12007088			[Signature]
31	Mitharish Vandhan	12007022			[Signature]
32	A. Anirudh	12007093			[Signature]
33	P. Pandu Ranga Teja	12007113			[Signature]
34	Sai Raghavendra	12007216			[Signature]
35	P. Srinivasa Raju	12007392			[Signature]

Remarks:

Faculty:

Lab Incharge:

[Handwritten signature]

- 22 - A. Anuraj
- 23 - K. Sunil Kumar
- 24 - M. Egojkeerthi
- 25 - V. Sairam
- 26 - B. V. S. S. Anirudh
- 27 - T. V. N. Vinay Kumar
- 28 - B. Sathish Kumar Reddy
- 29 - E. Sai Kiran
- 30 - K. Santhi Swaroop
- 31 - Mitharish Vandhan
- 32 - A. Anirudh
- 33 - P. Pandu Ranga Teja
- 34 - Sai Raghavendra
- 35 - P. Srinivasa Raju

K.L. University

Department of Mechanical Engineering
CAD/CAM LAB (ME001- MECH BLOCK)

webinar

Log book for the academic year : _____ Semester : _____ Branch: _____ Section: _____
 Date: *19/12/14* Time: *3:30 pm*

S.No	Name	Reg.No	Sys.No	Name of the experiment	signature
1	<i>G. Srinivas Pavan</i>	<i>12007425</i>			<i>Pavan</i>
2	<i>M. Sai charan</i>	<i>12007401</i>			<i>Sai charan</i>
3	<i>K. Tejesh</i>	<i>12007830</i>			<i>Tejesh</i>
4	<i>K. Srikumar</i>	<i>12007378</i>			<i>Srikumar</i>
5	<i>M. Srinivas</i>	<i>12007405</i>			<i>Srinivas</i>
6	<i>Sh. Irfan Ahmed</i>	<i>12007227</i>			<i>Irfan</i>
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Remarks:

Faculty:

Lab Incharge:

[Signature]