


Name of the Department/Cell/ Office	Department of Electrical Engineering
DETAIL OF ACTIVITIES DURING MARCH TO JUNE 2020	
Number of Activities organised	
Name of the each Event:	Webinar on “ Machines ”
Period of each Event	90 mins
Date and Time of the each Event	4 th December 2021, 10:30-12:00 PM IST
Details of Organisers/Co-organisers	Dr. Shakuntla
Online Platform:	Google Meet
Number of Participants/Attendees:	90
Details of Speakers/Guests with designation:	Mr. Khadar Bhasha, Motivational Speaker, Jawaharlal Nehru Technological University, Anantapur Alumnus, M.tech in Power Electronics, 10+Years of GATE/ESE/PSUs Teaching Experience.
Brief report of the each Event:	<p>The various topics covered during the Webinar:</p> <ul style="list-style-type: none"> • Synopsis of the respective subjects • Typical questions that appear in the competitive exams and their solutions (from previous years) • How to prepare for various types of questions like objective, descriptive, etc. • How to answer the different types of questions in the examination • Elimination techniques • Do's & Don'ts in the examination • Students pursuing B. Tech in the respective streams
Please Backdrop Creative (with each event)	
Photograph, if any	

(2-3 photographs each event with caption)

Case(i) :- Lag pf Load (RL-Load), $\cos\phi = 0.8 \text{ lag} \Rightarrow \phi = 36.8^\circ$
 $0.7 \text{ to } 0.9 \text{ pf}$

$$\vec{E}_2 = \vec{V}_2 + \vec{I}_2 R_{02} + j \vec{I}_2 X_{02}$$

$Regn = \frac{E_2 - V_2}{E}$
 $Regn \propto (E_2 - V_2)$
 $\propto +ve$ → voltage drop

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Case(ii) :- UPF Load (R-Load), $\cos\phi = 1$

$$\vec{E}_2 = \vec{V}_2 + \vec{I}_2 R_{02} + j \vec{I}_2 X_{02}$$

$\therefore Regn \propto (E_2 - V_2)$
 $\propto +ve$

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Any other initiative taken by the Department/Cell/Office during Lockdown Period, please provide point-wise details.

CERTIFICATE OF PARTICIPATION

This certificate is proudly presented to

Akshita Choudhary

for participating in a webinar (technical) on
 "MACHINES"
 Held on: 4th, December 2021

Organizer Institution: J C Bose University of Science and Technology,
 YMCA, Faridabad (Haryana)

Resource Speaker:
Mr. Khadar Basha
 Motivational Speaker & Sr. Faculty,
 ACE Engineering Academy

Prof. Y.V. Gopala Krishna Murthy
 CMD - ACE Engineering Academy

Dr. Shakuntla
 Assistant Professor, Elec. Engg. Deptt.
 JCBUST YMCA, Faridabad

Prof. Poonam Singhal
 Chairperson, Electrical Engg., JCBUST, YMCA, Faridabad