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(An Autonomous Institute under Kakatiya University, Warangal)
(Accredited by NAAC with 'A' Grade)
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24TH-26TH OCTOBER 2019

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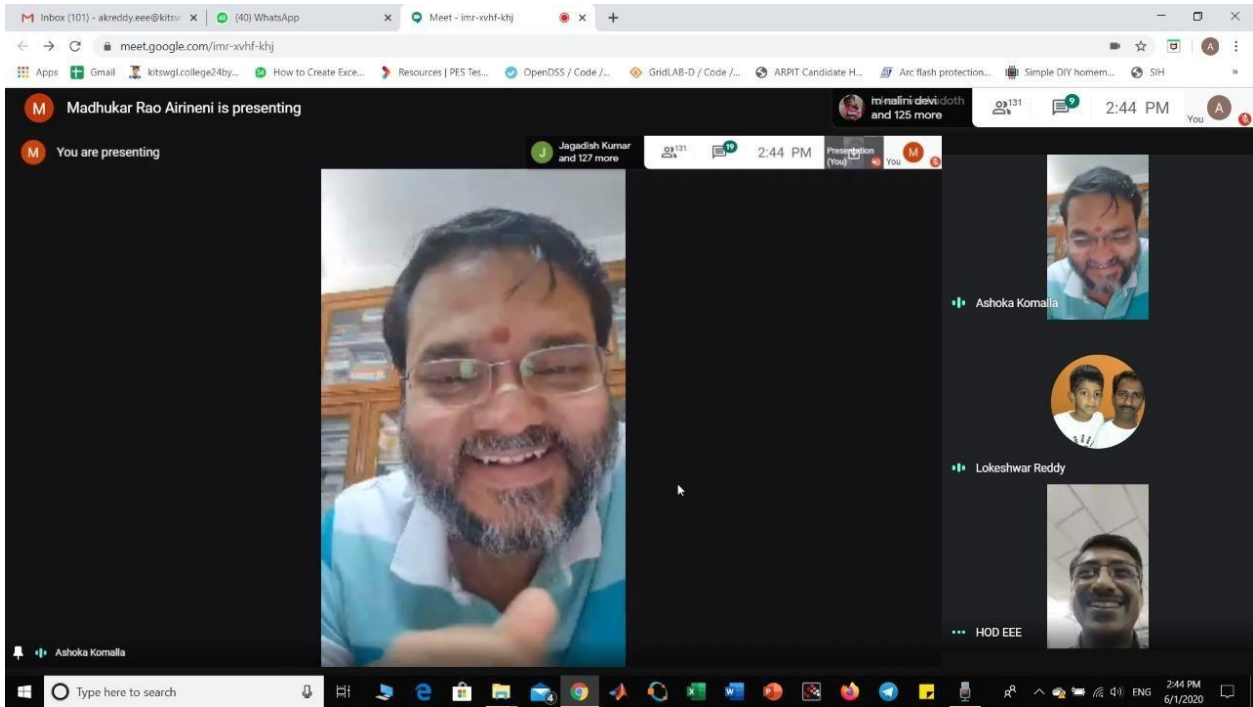
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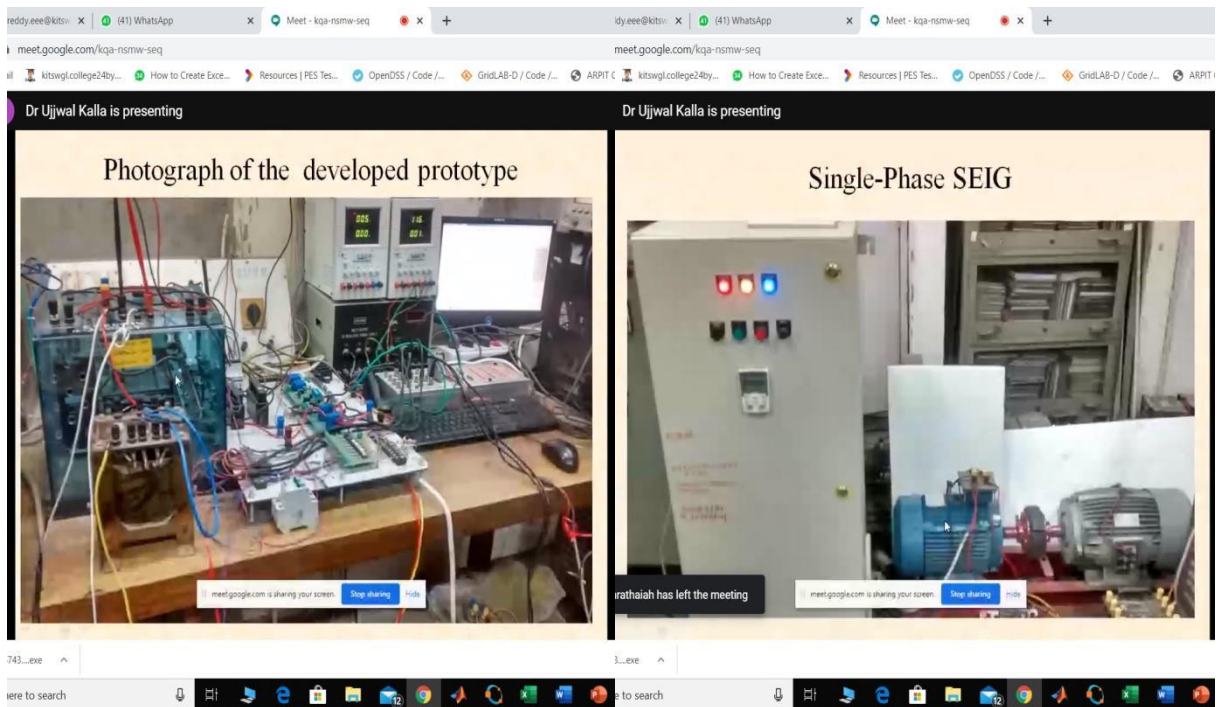
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Release of Souvenir



Inaugural - Principal, Professor K. Ashoka Reddy has given a speech about the role of FDPs to improve technical skills and knowledge.



Dr. S.N. Sharma(P-EED) SVNIT is presenting

Four Problems in the Hamiltonian-Jacobi-Bellman Equation

- A little attention shows that the given problem has

$$\dot{x}_t = x_t + u_t, h(t_f, x_{t_f}) = \frac{1}{4}x^2(t_f), g(t, x_t, u_t) = \frac{1}{4}u^2(t).$$
- Consider the structure of the performance measure in the evolution form is

$$J(t, x_t, u(\tau))_{t_0 \leq \tau \leq t_f} = h(t_f, x_{t_f}) + \int_{t_0}^{t_f} g(\tau, x_\tau, u_\tau) d\tau.$$
- As after embedding the optimal control signal, we have the optimal performance measure

$$J^*(t, x_t) = h(t_f, x_{t_f}) + \int_t^{t_f} g(\tau, x_\tau, u^*(\tau)) d\tau.$$
- Now the Hamilton-Jacobi-Bellman equation for the specific form is a consequence of the general setting.

$$0 = J_t^*(t, x_t) + a(t, x_t, u_t) \quad (1)$$

Chinmay Deshpande and 108 more

4:03 PM

Dr. S.N. Sharma(P-EED) SVNIT

Rajagopal Veeramalla

Ravi Kumar Goli

Surender Reddy is presenting

Optimal Power Flow

- Optimal Power flow (OPF) is an operating condition in which the power flow in an electrical system occurs optimally.
- It is one among the many feasible power flow solutions in which a certain objective is optimized as well as the operating limitations of the system are satisfied.

Objectives can be i) Optimal Load dispatch
ii) Minimum transmission loss, etc.
- The control variables such as voltage magnitudes of slack and generator buses, active generations of generator buses, tap settings of transformers and phase shifters etc. are not stated singularly but their ranges of variation are specified.

D.K. Yadav and 118 more

3:41 PM

Rajagopal Veeramalla

Surender Reddy

Mahammadsoib Saiyad

Narasimha Rao Mucherla

Yogesh Pundlik

mihir bhatt

HOD EEE

Dr Ujwal Kalla

Nitesh Tiwari

Prof. K. Ashoka Reddy, while speaking in the Valedictory



Prof. K. Ashoka Reddy, while speaking in the Valedictory