|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **NAME** | **DESIGNATION** | **TOPIC/SUBJECT** | **LINK OF VIDEO LECTURE** |
| 1 | Dr. R. RAJESWARI | Professor / EEE (CAS) | Zbus formation | <https://youtu.be/14abJGUXHvw> |
| Load flow analysis using Gauss Seidal approach | <https://youtu.be/GM65TArjeKw> |
| Ybus formation | <https://youtu.be/hoKNKLYXTh8> |
| Solving Swing equation using Numerical Integration approaches | [https://youtu.be/PjEadQOL9\_s](https://youtu.be/PjEadQOL9_s%20) <https://youtu.be/Gl6z5OpFW2M> |
| Sequence Impedance Computation | <https://youtu.be/ZnlmM2ddOPc> |
| Smart Grid Simulator | <https://youtu.be/cildXH3zU2s> |
| Voltage Control – Shunt Compensation using Transmission line analyzer setup | <https://youtu.be/QjVA7ibXGyw> |
| Transformer Protection | <https://youtu.be/W2WUYHVB2to> |
| Power System Dynamics and Control unit-1.1 | <https://drive.google.com/file/d/1LUPhrRgwLMIXUi8K3Xjch89s_e7dTKVK/view> |
| Power System Dynamics and Control unit-1.2 | <https://drive.google.com/file/d/1JnbGh4R-MCj3p6OOKyHBQcd4a2ovNfpk/view> |
| Power System Dynamics and Control unit-1.3 | <https://drive.google.com/file/d/1exjktVIRu6pO5SFUZGtwbGdFISo-iO-Q/view> |
| Power System Dynamics and Control unit-1.4 | <https://drive.google.com/file/d/1Z6jAw9rQwfD_LcWEn_1FzauwWXMFdChU/view> |
| Power System Dynamics and Control unit-1.5 | <https://drive.google.com/file/d/1KPqN__qAL-FThv1ri8r_x9EBIP4wxuun/view> |
| Power System Dynamics and Control unit-1.6 | <https://drive.google.com/file/d/1549z_cXq23OMK_VLmPR9yVZtcEmV_XEa/view> |
| Power System Dynamics and Control unit-1.7 | <https://drive.google.com/file/d/1qK4PmhauZLW4xaXk230mXlpvHmUN3jxp/view> |
| Power System Dynamics and Control unit-1.8 | <https://drive.google.com/file/d/1hifoDqaemk8-ni3MBKWpZOAQDQIvkEPu/view> |
| Synchronous Generator Modeling 1 | <https://drive.google.com/file/d/1eRjItoXqJdQ2U-2qtqoqcLXf-ZIxI6R8/view?usp=sharing> |
| Synchronous Generator Modeling 2 | <https://drive.google.com/file/d/1lqhfKBmnpjpWjcyoTPqNUtstUcWT-emW/view?usp=sharing> |
| Synchronous Generator Modeling 3 | <https://drive.google.com/file/d/1HRfGqDQScjJTMR7CPEZHxqKH2ZKATjiR/view?usp=sharing> |
| Synchronous Generator Modeling 4 | <https://drive.google.com/file/d/1wC5JWquwJnfdY8fWeUfuH5AR8CLumhaG/view?usp=sharing> |
| Synchronous Generator Modeling 5 | <https://drive.google.com/file/d/1bAXMzDL3txMY9Eq3d7jEjeY8MGIolV2o/view?usp=sharing> |
| PSDC - Excitation Systems Modeling | <https://drive.google.com/file/d/1b_XTijABLSHmLz6lQNN2ZII7PcMTjz-C/view?usp=sharing> |
| Protection of Transformer | <https://drive.google.com/file/d/1BjuJoVhSB7Ox_rtt7ziKCvEmXsyNxTdc/view?usp=sharing> |
| Protection of Alternator | <https://drive.google.com/file/d/1VNe29-0Ilw6soznyBzS6nRFSgojaz4IA/view?usp=sharing> |
| Protection of Transmission line | <https://drive.google.com/file/d/1w8m4YZitJfsCzalLYhQEXU5d3vJMbPMs/view?usp=sharing> |
| 2 | Dr.Sujatha Balaraman | Asso. Professor/EEE (CAS) | Three phase fault analyzer | <https://drive.google.com/file/d/1jFxjN4tcbgairP3ETOvIwOwgNAQCFXda/view?usp=sharing> |
| Economic Load Dispatch Using Differential Evolution | <https://drive.google.com/file/d/1AaQ6FNIQErRGG7H2GW5DLRLhKq_JKukF/view?usp=sharing> |
| Equal area Criterion-Part 1 | <https://drive.google.com/file/d/18Ctde9Vzwxoa62sBih__70GKsHU_GZCD/view?usp=sharing> |
| Equal area Criterion-Part 2 | <https://drive.google.com/file/d/18Ctde9Vzwxoa62sBih__70GKsHU_GZCD/view?usp=sharing> |
| Equal area Criterion-Part 3 | <https://drive.google.com/file/d/18Ctde9Vzwxoa62sBih__70GKsHU_GZCD/view?usp=sharing> |
| 3 | Dr.K.RANJITH KUMAR | Professor / EEE (CAS) | Introduction to Control Systems | <https://youtu.be/cRgMrCcIgJU> |
| Control Systems - Block Diagram Reduction | <https://youtu.be/zX2QAV76RgQ> |
| Control Systems- Signal Flow Graph | <https://youtu.be/5ar7dsAwty8> |
| Control Systems - Mathematical Modeling | <https://youtu.be/HpoE71q040U> |
| Time Domain Analysis | <https://youtu.be/ngR569gSHuM> |
| Time Domain Specifications | <https://youtu.be/_QohSqJlBjE> |
| Steady State Error | <https://youtu.be/Y2WwfOpFKuE> |
| Frequency domain specifications | <https://youtu.be/eORoxBVoveA> |
| Polar plot | <https://youtu.be/vvo8g02tZyM> |
| Nyquist plot | <https://youtu.be/Ckcry_mL6Fk> |
| Bode plot | <https://youtu.be/3UOXgXbWM4I> |
| Bode tutorial | <https://youtu.be/oEH46JVBJ4w> |
| Routh Stability Criteria | <https://youtu.be/G_zmgWFESs8> |
| 4 | Dr.K.YASODA | Assistant Professor | Energy storage systems in Smart Grid | <https://drive.google.com/file/d/1nBPoJxXpZiBGbx0pGckKhtaYbTh2qTTj/view?usp=sharing> |
| HVDC and FACTS in smart Grid- a Review | <https://drive.google.com/file/d/1LJQlydhC2YXRZO9pbVz2Us3QOyyQabEf/view?usp=sharing> |
| AC voltage controllers | <https://drive.google.com/file/d/1bhhXTjjgZl6tEPMqa0s_-Ti3BmZPtF6o/view?usp=sharing> |
| Fundamental concept of DC-DC Converter | <https://drive.google.com/file/d/1qvg7UXjKZcg6NvVE3qE1Odl4cX5m2TOm/view?usp=sharing> |
| DC-DC choppers -part 1 | <https://drive.google.com/file/d/1C8l6_Q6V3zJwykU30IaIWKsMq3zF4pJA/view?usp=sharing> |
| DC-DC choppers -part 2 | <https://drive.google.com/file/d/1l87x7XxDV_sLWKRpKq1cyJ7jIbx6LCRp/view?usp=sharing> |
| Inverters-Part 1 | <https://drive.google.com/file/d/1DSAUC2aqGzwWMcYQDRjfI4Y9xSKnpvcK/view?usp=sharing> |
| Inverters-Part 2 | <https://drive.google.com/file/d/1FYNXLRFFlUID8DD45eo-E6oT6TI4cz0a/view?usp=sharing> |
| Speed control of Induction motor by V/F method -hardware | <https://drive.google.com/file/d/1dq7GeUCWrwUbjfIm10UgficYSJQHW2Pm/view?usp=sharing> |
| 5 | Dr.P.Maruthupandi | Assistant Professor | Motor-Presentation link | <https://drive.google.com/file/d/1u040s490iGrQdcrxxfRSW8aXJjAteG_v/view?usp=sharing> |
| Chopper Digital control | <https://drive.google.com/file/d/1MX2BgwMk5Xm6kuZvNDnm1HlGA5MSORVG/view?usp=sharing> |
| Induction motor | <https://drive.google.com/file/d/1dBOm8VyTlxYXGXKN92MUGG8sF8MGiO_R/view?usp=sharing> |
| PA College presentation on Integration of Solar and Wind Energy Sources: Challenges and Solutions | <https://drive.google.com/file/d/1tULbup0X5Mu-ygGgu7c7OLJPlii-1yl-/view?ts=61a45c25> |
| KCT Presentation- Power converters | <https://kumaragurudtsteam-my.sharepoint.com/personal/premalatha_k_eee_kct_ac_in/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fpremalatha%5Fk%5Feee%5Fkct%5Fac%5Fin%2FDocuments%2FFDTP%20POWER%20ELECTRONICS%2FVideo%20Recordings%5FAU%5FPower%20Electronics%2FDr%2E%20P%2E%20Maruthupandi%2C%5F22%2D06%2D2021%5FFN%5FOnline%20Six%20Day%20Anna%20University%20sponsored%20FDTP%20on%20Power%20Electronics%2Emp4&parent=%2Fpersonal%2Fpremalatha%5Fk%5Feee%5Fkct%5Fac%5Fin%2FDocuments%2FFDTP%20POWER%20ELECTRONICS%2FVideo%20Recordings%5FAU%5FPower%20Electronics&originalPath=aHR0cHM6Ly9rdW1hcmFndXJ1ZHRzdGVhbS1teS5zaGFyZXBvaW50LmNvbS86djovZy9wZXJzb25hbC9wcmVtYWxhdGhhX2tfZWVlX2tjdF9hY19pbi9FVXRQZFkxWmkzNUhrMWpzTTFjeHB3Z0J5bW1MYmU2VWt4SUgtRHRQbkZOcVdnP3J0aW1lPUdnRTZHeFU5MlVn> |
| Machines lab video | <https://drive.google.com/drive/folders/1sEgqbIhbr-> RqMErcOqzx5AQY1KSAVmHc?usp=sharing |
| KPRIET Presentation- Impact Analysis in the Grid with the penetration of EVs | <https://drive.google.com/file/d/1C9Xo5clt_9HqXsoPIItnLcAIxMBER-0y/view?ts=610a5806> |
| Modelling of DC-DC Converters | <https://drive.google.com/file/d/1ra35Sz6EHLmO8tolePGk6hs7rSimJ787/view> |
| Digital Control 0f Power Electronics Applications | <https://drive.google.com/file/d/1OX11gbv6VZGJ0Dd7lS1aWsyl73GBealI/view>  <https://drive.google.com/file/d/1CeAqF0beXF5o6jyhfgtwpIVlH340IOV2/view> |
| Transformer Construction and working principle | <https://drive.google.com/file/d/1QgEgn1U2dUd3OkoiHw4Vm7FHEEgzR8N0/view?userstoinvite=naho.1913134@gct.ac.in&ts=5faa2fc2> |
| Transformer Phasor diagram | <https://drive.google.com/file/d/1-4s9e9uM7gSxwQ7CKRYwNsUnJz6A1iqT/view> |
| Electrical Braking of DC motors | <https://drive.google.com/file/d/1eo2vNtTt5CZO9XTdIrOS6YMMHtzj-JVG/view> |
| DC motors | <https://drive.google.com/file/d/1xNnI7PcgDLtm7YmtnagL_Lc1mbLAzwWx/view>  <https://drive.google.com/file/d/1iZbOwfgMJKlm_Wj0zTTY6NZKw9BglRhZ/view>  <https://drive.google.com/file/d/1Xz0jbkhmvMam_vyeB83fzkVKfcvwAN-1/view>  <https://drive.google.com/file/d/1-yCTEbrv7Fc2OOUXk_7ZFySbwcqUykuL/view>  <https://drive.google.com/file/d/1hx1zY2A3Sc2tnKBNBttPMCq7B3vSXAuE/view> |
| Induction motor Construction, Torque-speed characteristics and starting | https://drive.google.com/file/d/1unMj1ZKzKgDD51NQmO3lkem9Mn-NeV66/view  <https://drive.google.com/file/d/1gOuW78H_eic-FwRpS9i4cjCTKqb_1YSc/view> |
|  | **RMK Presentation**  Design of DC-DC Converters for Electric Vehicle  Design and Analysis of Power Converters and motors for Electric Vehicle | <https://drive.google.com/file/d/1AzY6XcFf1oUukTBzqXsnmKayr1cy3FW5/view?usp=sharing>  <https://drive.google.com/file/d/1jh6xUIMhHMVfzv9svy3txsLOAPcL5F7E/view?usp=sharing> |
| KPRIET Presentation  Magnetic field intensity and flux density | <https://drive.google.com/file/d/1al8MLTl2uJK1A-0rPx_Tmvy7CUnZ1Fxo/view?usp=sharing> |
| GCT-AU Sponsored FDTP Presentation on Resonance in Electric Circuits | <https://drive.google.com/file/d/1g-rHy_hPBS0XP-94QUK9BTmNnPRaiQH/view?usp=drivesdk> |
| 6 | Dr.S.CHITRA | Assistant professor | Project guidelines | <https://drive.google.com/file/d/1mx6XaE73gVgfDwsdYkPpGpnnrr-nsEHg/view?usp=sharing> |
| Standard Specifications – Electrical Machine Design | <https://drive.google.com/file/d/1vWsWcMhlP3x6MyowJW3inI3fKaaXQzh-/view?usp=sharing> |
| Introduction to Field Theory | <https://classroom.google.com/c/MTI2NDA3OTgwNjQ4/m/MTI2NjQ4NjQxNjg2/details> |
| Charge distribution – Field Theory | <https://drive.google.com/file/d/1gBtL55sFt2YAIXqZUHueX_BfrCw9EvSm/view?usp=sharing> |
| 7 | PROF. S. SOWKARTHIKA | Assistant professor | 8085 Microprocessor Basics | <https://drive.google.com/folderview?id=1I49t2U1SPlxtt88x5r8YUj5ceIHWvGKC> |