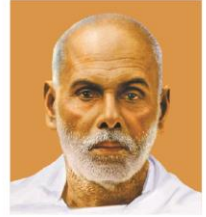
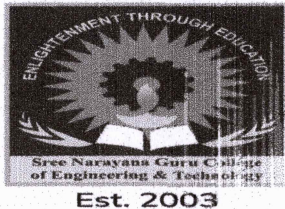


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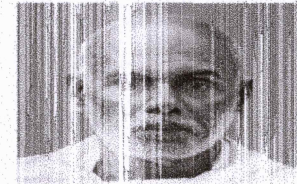
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DETAILS OF INFOGRAPHICS, ONLINE LECTURES,
INSTRUCTIONAL MATERIALS, VIDEOS AND WEB-BASED
ACTIVITIES



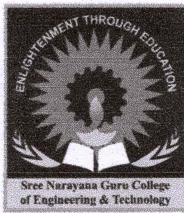
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DETAILS OF INFOGRAPHICS OF MOODLE ACCESS

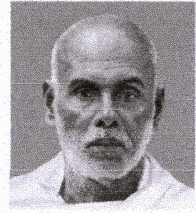


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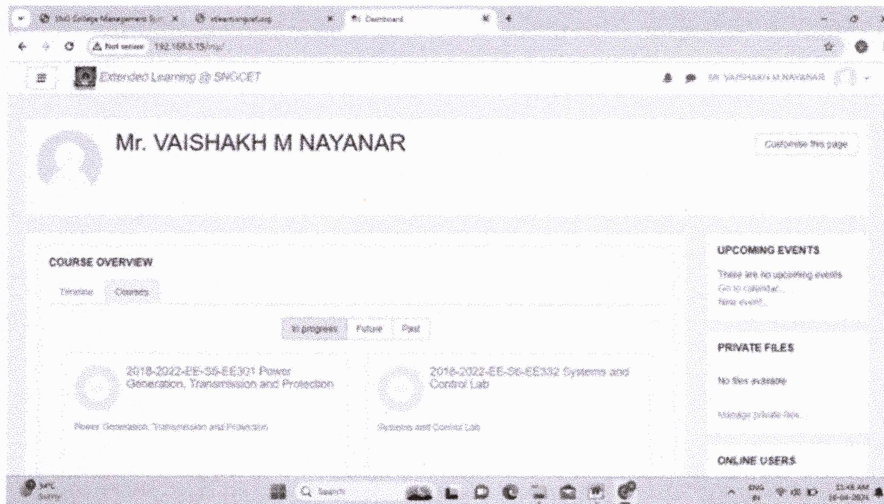
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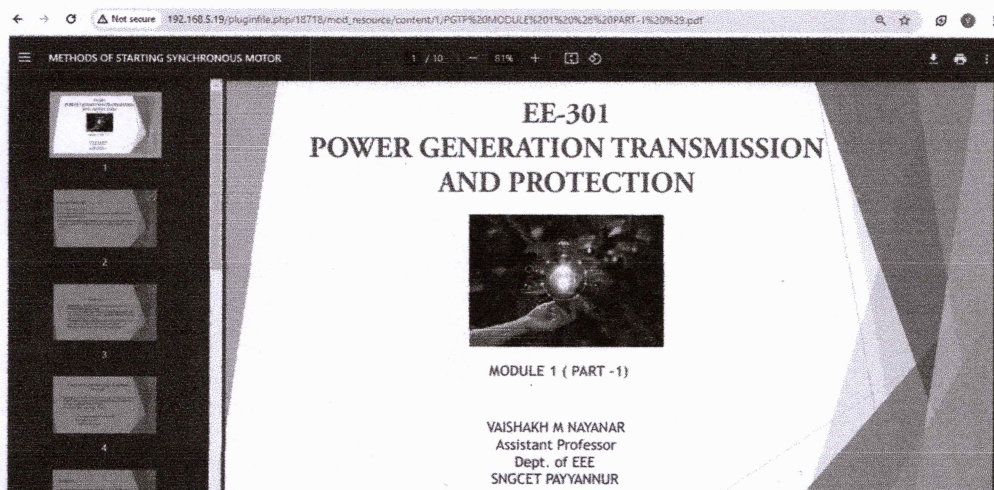


Details of online lectures, Instructional materials, Videos and web based activities

1. Home page of moodle for a faculty

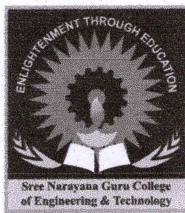


2. Online lectures, Instructional materials



Teaching materials

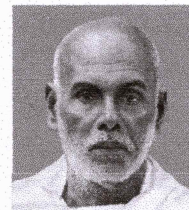
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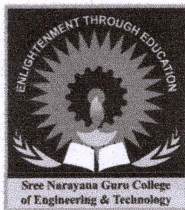
Screenshot of the SNGCET Extended Learning @ SNGCET interface. The browser shows the URL 192.168.5.19/course/view.php?id=401. The page title is "Power Generation, Transmission and Protection". The breadcrumb trail is "Dashboard / My courses / 2018-2022-EE-S6-EE301". The main heading is "INTRODUCTION TO POWER GENERATION TRANSMISSION AND PROTECTION". The main objective is to set a foundation on the fundamental concepts of Power System Generation, Transmission, Distribution and Protection. The lesson objectives are:

1. Different methods of generating electrical power.
2. Different aspects of power transmission system
3. Electrical Power distribution systems
4. Protective devices
5. Introduction to flexible alternating current transmission systems

The course content includes: Power Generation-conventional-hydrothermal, nuclear - non conventional solar and wind-economics of power generation-Power factor improvement-Power transmission -line parameters -resistance-inductance and capacitance- Transmission line modelling- classifications -short line, medium line, long line-transmission line as two port network-parameters- derivation -power flow through lines- Overhead lines-types of conductors-volume of conductors- Kelvin's law- Types of Towers-calculation of Sag and tension-insulators- types -corona-underground cables-H V DC transmission-Flexible A C transmission-power Distribution system-need for protection-circuit breakers-protective relay types -Types of protection causes of over voltages -insulation coordination

Teaching materials

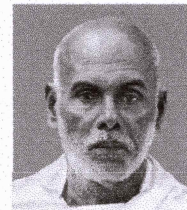
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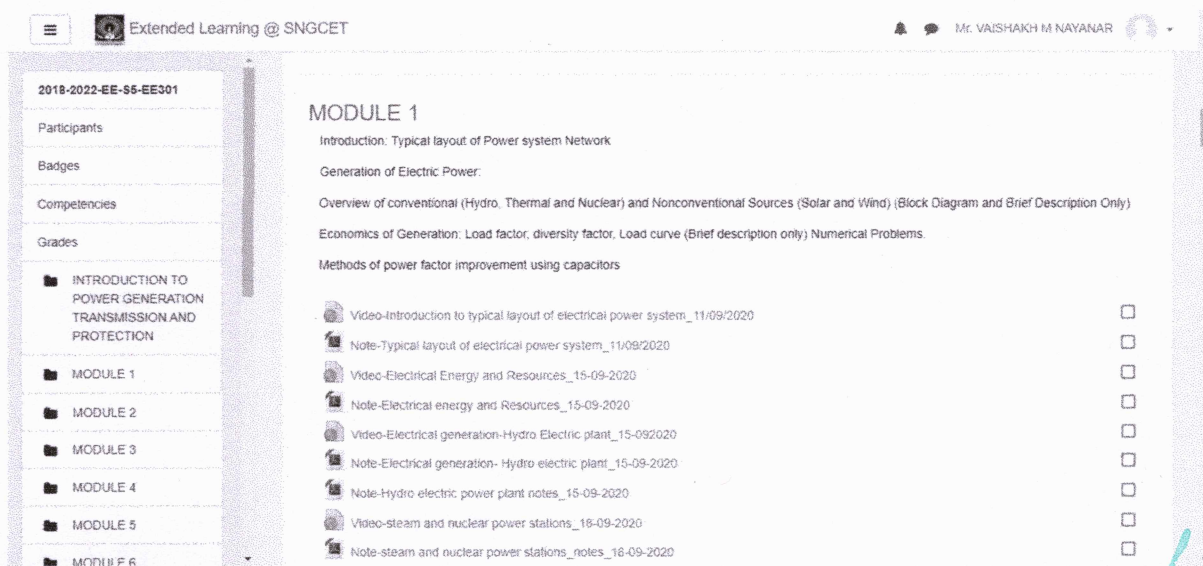
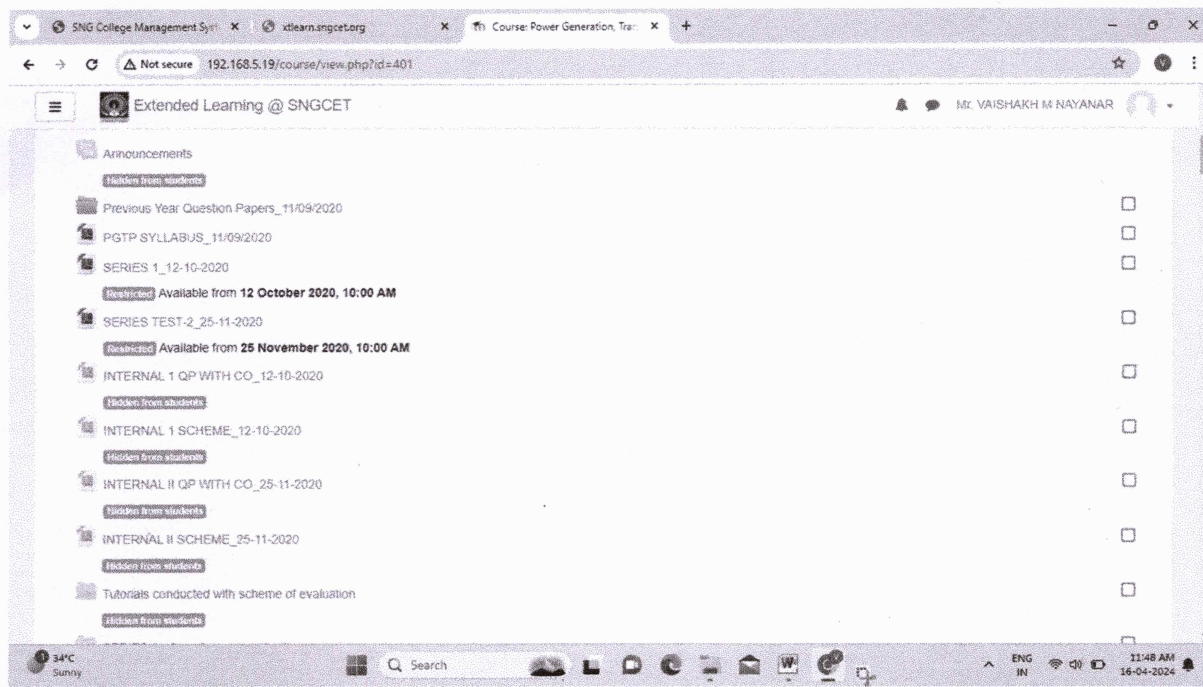
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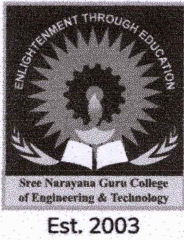


3. Web based activities



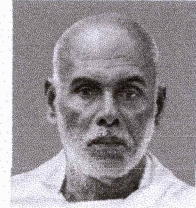
Web based activities

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4. Videos

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