



The Khammam Institute of Technology and Sciences is committed to offer quality education in alignment with contemporary paradigms of learning through extensive use of ICTs in all its academic and administrative processes. The valuable ICT assets must be managed to ensure their integrity, security and availability for valid educational and administrative purposes. KITS have 38 class rooms, Laboratories and seminar halls with ICT facilities.

SEMINAR HALL**LH-1**

Computer Laboratory



LH-2



LH-3



LH-4



LH-5



LH-6



LH-7



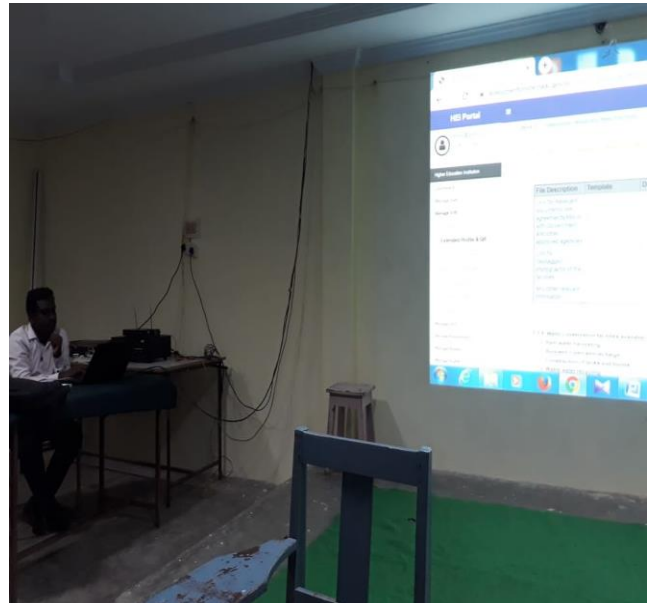
LH-8



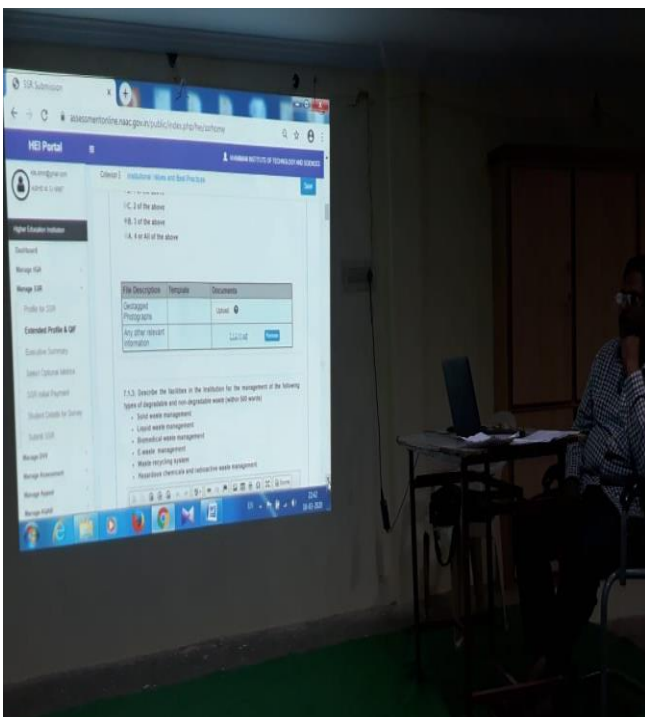
LH-9



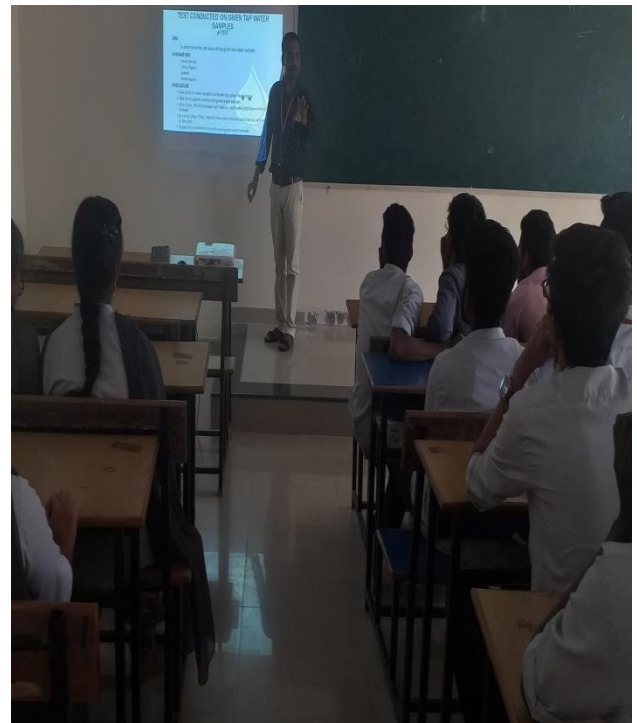
LH-10



LH-11



LH-12



LH-13



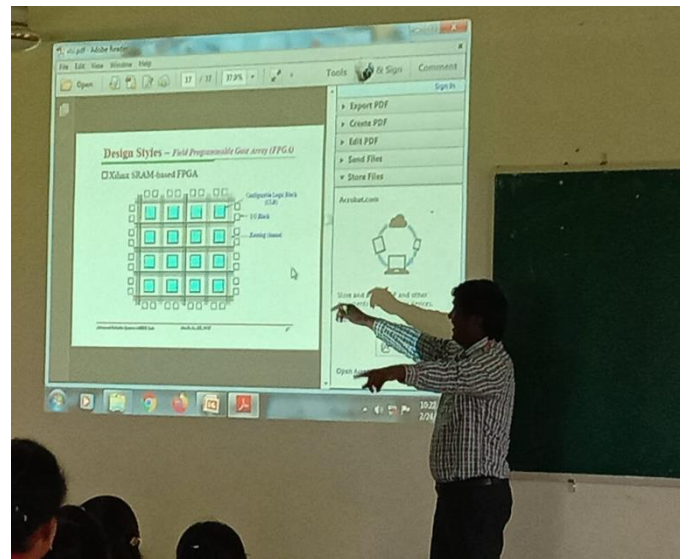
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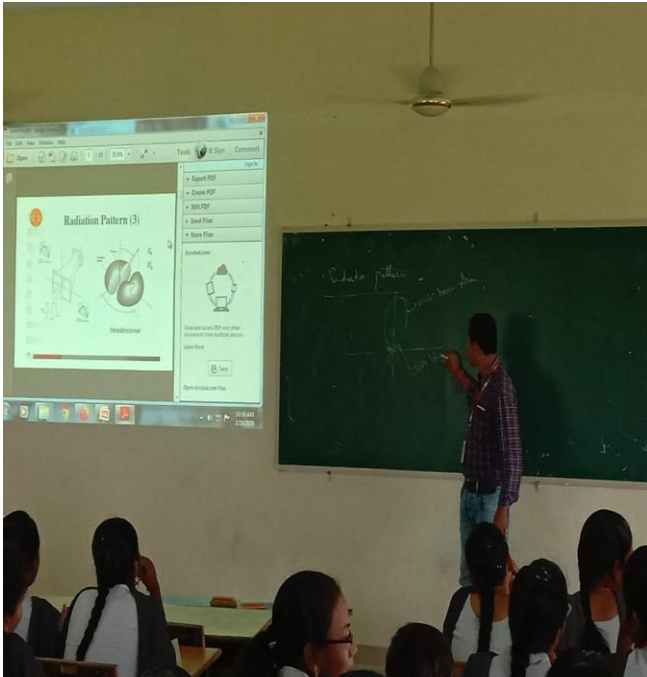
LH-15



LH-16



LH-17



LH-18



LH-19



LH-20



LH-21



LH-22



LH-23



LH-24



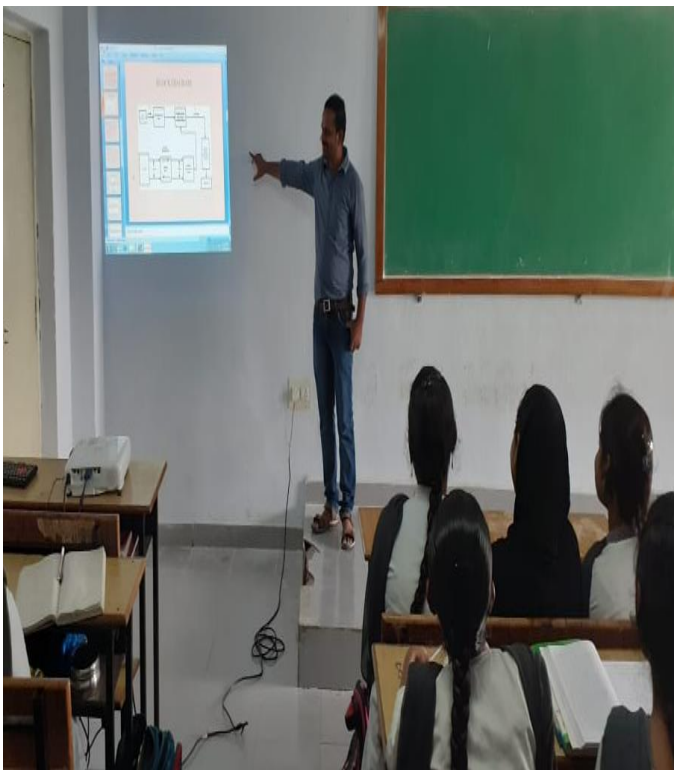
LH-25



LH-26



LH-27



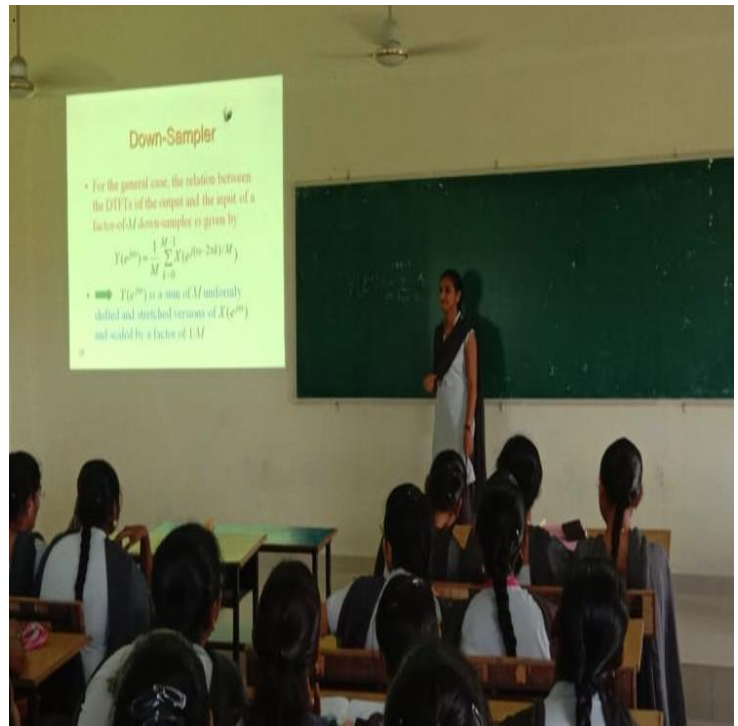
LH-28



LH-29



LH-30



Down-Sampler

- For the general case, the relation between the DTFTs of the output and the input of a factor-of- M down-sampler is given by

$$Y(e^{j\omega}) = \frac{1}{M} \sum_{l=0}^{M-1} X(e^{j(\omega - 2\pi)l/M})$$

- $Y(e^{j\omega})$ is a sum of M uniformly shifted and stretched versions of $X(e^{j\omega})$, and scaled by a factor of $1/M$

LH-31



LH-32



Multirate Digital Signal Processing

- Basic Sampling Rate Alteration Devices**
- **Upsampler**- Used to increase the sampling rate by an integer factor
 - **Down-sampler**- Used to decrease the sampling rate by an integer factor

LH-33



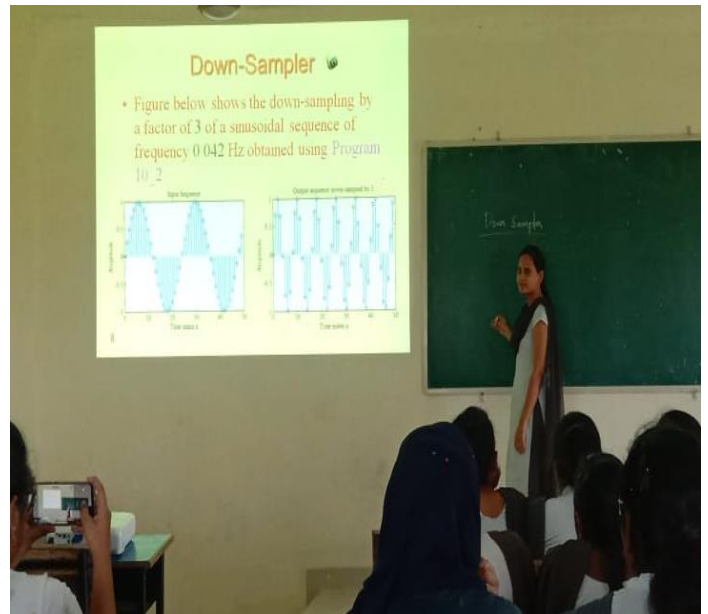
LH-34



LH-35



LH-36



LH-37



LH-38

