Networks Signals and Systems

SWAYAM Prabha Course Code – E18

PROFESSOR'S NAME	Prof. T. K. Basu
DEPARTMENT	Electrical Engineering
INSTITUTE	Indian Institute of Technology, Kharagpur
COURSE OUTLINE	Besides course outline, it should also indicate if there are any pre-requisities (i.e, prior knowledge) required .
	An embedded system is some combination of computer hardware and software, er fixed in capability or programmable, that is designed for a specific function or for specific functions hin a larger system. Industrial machines, agricultural and process industry devices, automobiles, medical equipment, cameras, household appliances, airplanes, vending machines and toys as well as mobile devices are all possible locations for an embedded system.Embedded systems are computing systems, but can range from having no user interface (UI) -- for example, on devices in which the embedded system is designed to perform a single task -- to complex graphical user interfaces (GUI), such as in mobile devices. User interfaces can include buttons, LEDs, touchscreen sensing and more. Some systems use remote user interfaces as well.Here in AuUtomation Lab,we are working on various Microcontrollers manufactured by Texas Instruments,STmicroelectronics, and Atmel.

COURSE DETAILS		
S. No	**Module ID/ Lecture ID**	**Lecture Title/Topic**
1	**L1**	Introduction to Network Elements and Sources
2	**L2**	Introduction to Linearity and Nonlinearity
3	**L3**	Distributed and Lumped parameters 2-port Networks
4	**L4**	Two-port Parameters Short Circuit, Open Circuit
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References if Any: