




KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
VALUE ADDED COURSE
ON
VAC28703 RENEWABLE ENERGY SYSTEMS

CIRCULAR

11.01.2024

It is planned to conduct a value added course for III year Electrical and Electronics Engineering students on the subject **VAC28703-Renewable Energy Systems**. Each module is scheduled from **11.01.2024 to 23.01.2024**. The course plan, test procedure, attendance are followed as per regulation 2021. It is highly advised that the students should attend all the sessions and get benefited of the course.

The syllabus for the same has been formulated and will be circulated to students. The eminent staff from our department is invited to give lectures on topics from syllabus.


HOD
11/1/24


18/1/24
VICE PRINCIPAL


19/1/24
PRINCIPAL

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE

Academic Year:2023-2024

Year/Sem: III/V

VAC28703-RENEWABLE ENERGY SYSTEMS

DATE & DAY	SESSION	TOPIC	STAFF
11.01.24 THURSDAY MODULE-1	FN	Environmental consequences of fossil fuel use	Er.N.Purushothaman
		Importance of renewable sources of energy	
		Sustainable design and development	
BREAK			
12.01.24 FRIDAY MODULE-2	AN	Limitation of RE sources	Er.N.Purushothaman
		Present Indian and International scenario of conventional and RE sources	
		Practization	
12.01.24 FRIDAY MODULE-2	FN	Power in the wind	Dr.D.Periyazhagar
		Types of Wind Power Plants (WPPs)	
		Components of WPPs	
18.01.24 THURSDAY MODULE-3	FN	Solar Radiation,Radiation Measurement	Er.D.Geetha
		Solar thermal power plant	
		Central reciever power plants	
BREAK			
18.01.24 THURSDAY MODULE-3	AN	Working of WPPs	Dr.D.Periyazhagar
		Grid Integration issues of WPPs	
		Practization	
19.01.24 FRIDAY MODULE-3	FN	Solar ponds	Er.D.Geetha
		Thermal Energy storage system with PCM	
		Practization	
19.01.24 FRIDAY MODULE-4	AN	Solar photo voltaic systems:Basic principle of SPV conversion	Er.K.Udhayakumar
		Types of PV systems,types of solar cells	
		Photovoltaic cell concepts:cell,module,array	
20.01.24 SATURDAY MODULE-4	AN	PV module I-V characteristics,efficiency&quality of cell	Er.K.Udhayakumar
		Series ,parallel connections,MPPT	
		Practization	
22.01.24 MONDAY MODULE-5	FN	Biomass resources -conversion processes	Er.E.Rajasekaran
		Tidal energy-Energy from the tides	
		Wave Energy,Ocean Energy Thermal Conversion(OTEC)	
23.01.24 TUESDAY MODULE-5	AN	Fuel Cell	Er.E.Rajasekaran
		Principle of Working	
		Practization	

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