



A NAAC Accredited Institution  
**KINGS**  
COLLEGE OF ENGINEERING  
Recognized under 2(f) & 12(B) of UGC  
Approved by AICTE, New Delhi  
Affiliated to Anna University, Chennai



# 7.1.5

## Green Campus Initiatives



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# Green Initiatives

## 1. Initiatives through NSS



*Tree Plantation was organized on NSS Day*



*Sapling Plantation by NSS Units*



*Kings Clean Campaign by NSS Units*



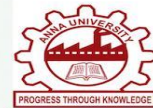
**Plastic Ban Awareness Programme**



**Living up to the motto of "One student - One Tree"**



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 Punalkulam, Gandarvakottai, Pudukkottai - 613303



Date & Time  
 22-03-2021  
 5.00 P.M.

**Webinar on "Water Management"**

Organized by  
**National Service Scheme**

World  
**WATER**  
 Day



Resource Person:  
**Mr. R. Sundharam**  
 AP / Civil  
 KCE

**Mr. P. Raajeshwaran**  
**Mr. S. Ambalatharasu**  
 NSS Programme Officers



**Dr. J. Arputha Vijaya Selvi**  
 PRINCIPAL

## 2. Initiatives through NCC



*Tree Plantation by NCC Unit*

## 3. Initiatives through Eco-Club

The main aim of the establishment of ECO club is to make students think productively to conserve the natural resources to their maximum extent so as to pass on this wonderful planet to NextGen in the same way it was given to us by our ancestors.

**Vision :**To make the students a responsible care taker of the place where we live in by educating the need for conserving the natural resources.

### Objectives

- To promote activities which make students understand the biodiversity conservation for the healthy well being.
- To avoid plastics and other things that creates pollution and spoils the planet.
- To maintain cleanliness in and around the living place.
- To reduce the electric power consumption with the motto of “**A penny saved is a penny gained**”.

## Programmes Organized



**Quiz programme conducted on "World Nature Conservation Day"**



**Awareness talk on "Electricity Conservation"**



**Speech Contest on "Approaches to Reduce Pollution"**



**Model Expo on “Useful Products from Waste Materials”**

#### **4. Initiatives through Dr. APJ Abdul Kalam Memorial Foundation**

Dr. APJ Abdul Kalam Memorial Foundation was formed in the year 2015 at Kings College of Engineering by Department of Mechanical Engineering students. The main objective is to visualize green KINGS through environment protection and plantation of more trees in and around the campus. The target of the foundation is to plant trees equal to students’ strength and make pollution free KINGS. Every year, on behalf of Dr. APJ Abdul Kalam Memorial Foundation, Mechanical Engineering students commemorate the birth anniversary of Dr. APJ Abdul Kalam as “Plantation day” to spread awareness among the students and public regarding the importance of ecology and the natural environment. In addition to tree plantation, the foundation also extends support during various natural calamities and medical emergencies.

## Activities of Dr. APJ Abdul Kalam Memorial Foundation

Sl.No.	Date	Details of Events
<b>2015-16</b>		
1	04.08.2015	Tree plantation at KCE
2	08.08.2015	Blood donation camp at KCE
3	22.08.2015	Medical camp & Food providing for Deaf & Dumb
<b>2016-17</b>		
1	27.07.2016	Blood donation camp at KCE
2	07.08.2016	Tree plantation & Food providing for Deaf & Dumb school in Thanjavur
3	21.08.2016	Medical camp & Food providing
<b>2017-18</b>		
1	20.07.2017	Tree Plantation & Food providing
2	12.08.2017	Blood camp at KCE
<b>2018-19</b>		
1	18.08.2018	Handed over the relief materials to Collectorate, Thanjavur (Kerala Floodrelief)
2	09.12.2018	Providing relief materials for KAJAH cyclone in Gandarvakkottai Tk.
<b>2019-20</b>		
1	15.10.2019	Tree Plantation at KCE
<b>2020-21</b>		
1	10.06.2020	Webinar on Recent Trends in Automotives
2	15.10.2020	Dr.A.P.J. Abdul Kalam Birthday Celebration conducted through Online Mode.





***Tree Plantation by Dr. APJ Abdul Kalam Memorial Foundation***



**Plantation day was observed on Dr. APJ Abdul Kalam's Birthday Anniversary**

## 5. Initiatives through Students Project Works

Our college always motivates the students to do projects on green environment and also disseminate awareness among the students about environmental protection through the projects.

The students of CIVIL department had successfully accomplished a concept project on “Experimental Investigation on Permeable Pavement Block by Using Demolition Waste (CA)”

### Abstract of the Project

A heap of demolished waste is generated every year in India. Since even the small amount of wastes is recycled, disposing of waste becomes very serious problem and it requires more space. The objective of this project is to find a good permeability and strength for the permeable pavement block. The pavement blocks absorb the water Coarse aggregate partially replaced by demolition waste in the proportion of 20 30 40 percentage of demolition waste Cubes casted with concrete mixes (M 35 and subjected to curing for 7 days, 14 days, 28 days and their strength tested. It is designed for light traffic.

### Test for Demolition Waste



*Water absorption test*



*Crushing value test*



***Fineness test***



***Consistency test***



***Abrasion test***

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