

WATER CONSERVATION

A Social Relevant project submitted in partial fulfilment of the requirement for
BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING

SUBMITTED BY

KORUKONDA MANOJ KUMAR - 20815A0336

KOVADA KRANTI KUMAR - 20815A0337

KUSUNURI MANIKYA JAGADEESH - 20815A0338

LAGUDU GANESH - 20815A0339

LEKKALA ARAVIND KUMAR - 20815A0340



Under Esteemed guidance of

K.V.N.S. Rama Krishna M. Tech

DEPARTMENT OF MECHANICAL ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Recognized by APSHCE, Permanently Affiliated to
JNTU-Kakinada, Accredited by NAAC) TAMARAM (V),
MAKAVARAPALEM (MD), VISAKHAPATNAM-531113

2021-2022

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the social relevant project entitled “**WATER CONSERVATION**” is the record of the work carried out by, KORUKONDA MANOJ KUMAR - 20815A0336 KOVADA KRANTI KUMAR - 20815A0337 KUSUNURI MANIKYA JAGADEESH - 20815A0338 LAGUDU GANESH - 20815A0339 LEKKALA ARAVIND KUMAR - 20815A0340 in Avanthi Institute of Engineering and Technology, Makavarapalem, Visakhapatnam. in partial fulfilment for the award of the degree of bachelor of technology in Mechanical engineering, is a bonafide record carried out by them, under guidance and supervision during 2021-22

INTERNAL EXAMINER

EXTERNAL EXAMINER

WATER CONSERVATION

India has 16% of the world's population and only 4% of the world's water resources, which are depleting rapidly. The demand for water is expected to grow from 40 billion cubic meters (bcm) currently to around 220 bcm in 2025. Water is one of the most important inputs essential for crops. Both its shortage and excess affects the growth and development of the plants, yields and quality of produce. There are numerous methods to reduce such losses and to improve soil moisture. These are mulching, cropping, planting of trees, utilization of fog or dew by net-surfacing traps or polythene sheets, contour farming, transfer of water from surplus areas to deficit areas by inter-linking water systems through canals, desalination technologies such as distillation, electro-dialysis and reverse osmosis, use of efficient watering systems such as drip irrigation and sprinklers will reduce the water consumption by plants. The most important step in the direction of finding solutions to issues of water and environmental conservation is to change people's attitudes and habits; this includes each one of us.