

WATER CONSERVATION

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

SUBMITTED BY

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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),
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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 ADIGARLA GANGADHAR - 19811A0301 BANDHAM KUMAR - 19811A0303 BANDHA RAMESH - 19811A0304 CHADARAM NAGESWARA RAO - 19811A0305 CHIPURUPALLI BHANUPRAKASH - 19811A0306 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.