



RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NANDYAL-518501, ANDHRA PRADESH, INDIA

Phone: 08514-275201, 275203, 275204, Fax: 08514-275123

Web: www.rgmcet.edu.in | E-mail: principal.9@jntua.ac.in | principal@rgmcet.edu.in

POLICY DOCUMENT ON WATER CONSERVATION AND MANAGEMENT

Dr. T. JAYACHANDRA PRASAD
M.E., Ph.D.,
PRINCIPAL
R G M College of Engg. & Tech.,
(Autonomous)
NANDYAL-518 501, Nandyal (Dt), A.P.

Offering B.Tech., M.Tech., M.B.A., M.C.A and Ph.D Programs

Approved by AICTE, New Delhi; Affiliated to JNTUA, Ananthapuramu

Accredited by NBA (Tier-I) of AICTE (B. Tech in Civil, CSE, EEE, ECE & Mech Engg), Accredited by 'NAAC' of UGC with "A+" Grade
UGC Conferred CPE status (College with Potential for Excellence), APSSDC - SIEMENS-TSDI (Technical Skill Development Institute)

Recognized UGC DDU Kaushal Kendra



Water conservation and management policy of Rajeev Gandhi Memorial College of Engineering and Technology encompasses the policies, strategies and activities designed to manage water sustainably to meet current and future demands in the campus. Efficient water storage can be a viable solution to water conservation. This means that the College should take serious effort to protect the surrounding environment and available water resources. Regardless, as an institution of higher learning, Rajeev Gandhi Memorial College of Engineering and Technology shall have a moral responsibility to promote and propagate the message among the academic community and society as well. Over the past few years, the College has undertaken a number of initiatives to utilize water more efficiently and effectively within the campus. The policy includes awareness campaign for the protection of streams, rivers, ponds and land, study on climatic change, reaching out to the public through water-testing, and water literacy programmes, soil testing etc. Understanding relationships between environmental and societal factors and academia's support for water conservation measures that can help planners and policy makers to identify obstacles and opportunities to increase the role of conservation and efficiency in making water supply systems sustainable. Student and staff play a major role in our water sustainability strategy. Reducing water consumption and protecting water quality shall be the key objectives of sustainable policy of RGM CET. The College views water from the three inter-related dimensions of Efficient Conservation, Responsible Consumption and Restoring and Retaining surface and recharging groundwater. College encourages all its stakeholders to support policies and programmes for water conservation that would achieve:

- A sustainable balance between demand, management and reduce waste through accurate accounting of water volume.
- Water conservation education to all the stakeholders.
- Research and implementation of practices that promote efficient use of water.
- Coordination between water planning and other aspects of facility planning and management in association with local government body.

Initiatives of RGM CET

RGM CET is working towards making the facilities more and more water sustainable. This has been achieved with the use of water efficient fixtures, waste water treatment technologies and rain water harvesting.

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- College is implementing new water efficient fixtures in its new constructions, ensuring 100% treatment and recycling of sewage, and rainwater harvesting.
- Upon realizing that rainwater harvesting is imperative for the future water requirement of the campus, college has set up a rainwater harvesting unit near the Canteen.
- College has a Sewage treatment plant (STP) opposite to the Mechanical Block which recycles the sewage to gardening-suitable water. This plant has an equalizer tank with two inlets. After treatments the two inlets give a comparable quality wastewater and merge together. After subsequent processing, clean water is generated. This processed water is used for watering gardens and play grounds.
- Ensuring improvement of the water and water depending natural resources at surrounding areas in the campus.
- Big dug well storage tank: College constructed a big dug well near Canteen for rain water harvesting and recharging.

RGMCET NSS units engaged in organic farming activities in the campus. Variety of fruits are farming in the College campus.

Goals and Plans

- Maximize water usage efficiency and minimize wastage of water.
- All existing buildings are used for water conservation and rain water harvesting.
- Promote investment in and maintenance of efficient water infrastructure and green infrastructure in all future development plans.
- Promote appropriate innovative water and wastewater management technologies and services.
- Provide training on the water conservation measures adopted by the college to all the students, staff and other stakeholders of the college and nearby community.
- Ensure awareness about the water conservation policy of the college among all the stakeholders.
- Establish waste water treatment and recycling centres.
- Create awareness about the cost-effectiveness of water conservation projects among students and local community.

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- Improve water quality. For example, create awareness about garbage disposals among public and take the leadership to make Nandyal municipality neat and clean.
- Recycle non-sewage and grey water for on-site use (such as toilet flushing, landscape irrigation, and more generally, considering the water quality requirements).
- Build relationship between environmental, societal leaders and policy makers to identify obstacles and opportunities to increase the role of conservation and efficiency in making the water supply systems sustainable.
- Community programmes: Organize various outreach programmes under the leadership of NSS and other student bodies.
- Encourage research, development and implementation of water conservation techniques in relation to the ecological needs and responses.
- Increase understanding of water and its movement including groundwater and its interaction with surface water, and the effects of climate change on water resources among student and teaching community.
- Inform, educate and increase awareness regarding the importance of water to life, and the need for conservation and efficient use of water.
- Protect the streams, ponds and rivers and the public area surrounding the college.

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