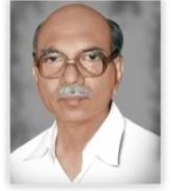




**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930

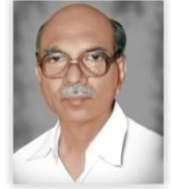


7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management.



**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930



7.1.3: Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste:

- Solid waste management.
- Liquid waste management.
- Biomedical waste management.
- E-waste management.
- Waste recycling system.
- Hazardous chemicals and radioactive waste management

Response:

Solid waste management:

At PBR Visvodaya Institute of Technology and Science practices the segregation of solid waste into dry waste and wet waste. Dustbins are placed separately for dry waste and wet waste in the campus. The collected waste is segregated at the source of generation. The dry waste consists of paper, plastic, dry leaves etc are collected regularly. Papers, Plastic and scrap are given to the external agencies for recycling.

The dry leaves, twigs etc are collected and decomposed in a pit which is used as manure for trees and plants.

The sanitary waste collected from washrooms is given to municipal waste collection area through trucks.

Liquid waste management:

The institute practices segregation of waste water into water from wash rooms and water from laboratories. This water is cleaned and the recycled water is diverted to the garden to maintain plants inside the campus.

E-waste management:

The damaged computers and condemned batteries are disposed through outside agencies. Obsolete computers and other electronic gadgets are sold to recyclers.

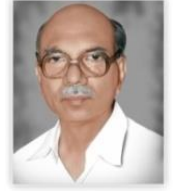
E-waste generated is given to the authorized dealers who purchase the scrap and reuse the useful components. Apart from this, the electronic and electrical instruments under repair are given to the students during the lab sessions to dismantle and reassemble, which help in application oriented learning. The low configured computers are donated to nearest schools.

Various steps have been taken to restrict the generation of waste –



**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930



Bio degradable plates, steel plates are used instead of plastic plates; steel spoons replace the plastic in canteen. Usage of plastic bags is discouraged in the premises of the college. Awareness programs on waste management are conducted for staff and students to promote eco – friendly practices. Spoons

Waste recycling system:

At PBR Visvodaya Institute of Technology and science has water recycling plant, which recycles the daily waste water from hostels and college.

SOLID & LIQUID WASTE MANAGEMENT



Figure: Solid Waste



**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930



Figure: Water Tank



Figure: Rain Water Harvesting



**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930

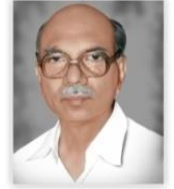


Figure: Rain Water Storage External Pipes



Waste Recycling Management



**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930



Hazardous chemicals and radioactive waste management



**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930

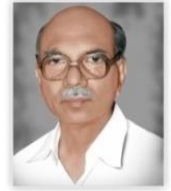


Figure: Electronic Waste