



# R K COLLEGE OF ENGINEERING

(Accredited by NAAC with 'A' Grade)

Kethanakonda (V), Ibrahimpatnam (M), Vijayawada, AMARAVATI-521456.

## 7.1.3 Degradable waste (Solid and liquid waste)

Our institution has taken many initiatives towards waste management. The institute follows the principle of 3R (Reduce, Reuse and Recycle) to meet its objective of sustainable development by bringing ecological balance.

The vegetable waste from the canteen are arranged to be disposed regularly to keep the campus clean. Being an educational institution, the college does not generate any hazardous waste. The institution's key operations have very less impact on the environment as the college is very conscious of generating less waste. However, waste is generated by all sorts of routine activities carried out in the college that includes paper, plastics, glass, metals, foods, etc. the college believes its utmost responsibility to remove all waste not only for the safety of the students but also for the harm it causes to the environment. Adequate number of trash cans and dustbins are placed all over the campus. The collected waste is disposed in a pit at the corner of the campus and it is used as manure for the plants. The institute promotes minimal plastic usage, it also encourages staff and the students to reduce the usage of paper and even the single sided printed paper is reused for the usage of double side.

Various awareness campaigns are organized on waste management to sustain eco-friendly and green enabled campus, various NSS programs like Swachh Bharat, Clean and Green activities and plantation in campus are regularly conducted.

Solid waste from tree droppings and lawn are disposed and used as organic manure.

**Coordinator-IQAC**  
**RKCE**

**PRINCIPAL**  
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## DUST BINS IN CLASS ROOMS



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## DUST BINS IN CORRIDOR AND CAMPUS



GPS Map Camera



Kethanakonda, Andhra Pradesh, India

JFF7+X74, Kethanakonda, Andhra Pradesh 521181, India

Lat 16.623824°

Long 80.463189°

19/03/24 10:56 AM

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GPS Map Camera



Kethanakonda, Andhra Pradesh, India

JFF7+X74, Kethanakonda, Andhra Pradesh 521181, India

Lat 16.624293°

Long 80.463637°

14/03/24 04:59 PM

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## Non-degradable (E-Waste):

The e-waste includes a wide range of electronic and electrical items such as computers, printers, keyboards etc. Electronic machines and goods are put to optimum use. The institute takes efforts to minimize e-waste by repairing the computer peripheral and electronic components.

E- Waste collected from various departments which cannot be reused or recycled is being disposed off centrally through certified eco- friendly vendors. Instead of buying a new machine buyback option is taken for technology up gradation. Any damages or reductions in capacity are set right by repairs. In addition, the college has emphasis on minimum-paper usage to save carbon emission in printers.





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## Hazardous chemical waste:

The college follows the norms in disposal of hazardous and solid waste. The waste is segregated at source by providing separate wing for Biodegradable and plastic waste.

Chemistry laboratory in the institute is appropriately equipped to handle and dispose hazardous chemicals. All the wastes are disposed separately in a container set aside for the garbage disposal handler.

In the institute water based chemical reactions are carried out for minimizing hazardous solvent chemical usage.

The chemistry department also uses inflammable solvents like ethanol and other alcohols, ethers, benzene and chloroform as per necessity, but these are used in minimum amounts under strict supervision of teachers as their related experiments are minimum. Due to this, the amount of hazardous solvents entering the effluents from the laboratory is negligible.

