



STUDY OF STUDENT'S KNOWLEDGE AND BEHAVIOR TOWARDS REDUCE, REUSE AND RECYCLING OF MATERIAL FOR ENVIRONMENT CONSERVATION

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ABSTRACT

The 3Rs are very important for environment protection. Reduce, Reuse and Recycle provides us environmentally friendly ways to reduce pollution, energy problems and negative impact for rapidly growing waste materials on Earth. It is observed that student's knowledge and behaviour about Reduce, Reuse and recycling of material are not developed properly to the extent which needed. So, for conservation of energy sources and conservation of environment it is necessary to focus on Reduce, Reuse and recycling of material. For this, the purpose of this study is to find out the knowledge and behaviour of under graduate level students about Reduce, Reuse and recycling of material and to find out waste disposal behaviour. For this study random sample of 100 students of different classes were selected. Collection of data was done through self-developed questioner and interviews of students. Self-developed questioner is mainly consisting of questions about knowledge of students about Reduce, Reuse and recycling of material, all primary data was collected with the help of questionnaires, interviews, group discussions and by observations. After processing data final conclusions are drawn. This study observed that many students knows about the consequences of avoiding Reduce, Reuse and recycling of material but do not act on them. Many students think that their small amount of trash is not going to make a difference. But proper guidance and activities can improve their behaviour towards Reduce, Reuse and Recycle.

Key words: - *Reduce, Reuse, Recycling, Knowledge, attitude.*

INTRODUCTION:

The 3Rs are very important for environment protection. Reduce, Reuse and Recycle provides us environmentally friendly ways to reduce pollution, energy problems and negative impact for rapidly growing waste materials on Earth. Reducing is the first and most effective of the three Rs. "Reduce" refers to the reduction of waste during production processes such as manufacturing. It also means reducing your consumption or buying less. "Reuse" also helps reduce waste by using items multiple times before discarding them. Reusing is the second most effective of the three Rs. Recycling is the third of the three Rs. To "recycle" means to take a used material and remanufacture it to sell new. Recycling

extracts valuable materials from items that might otherwise be considered trash and turns them into new products. It is observed that student's knowledge and behavior about Reduce, Reuse and recycling of material are not developed at a properly to the extent which needed. So, for conservation of energy sources and conservation of environment it is necessary to focus on Reduce, Reuse and recycling of material. For this, the purpose of this study is to find out the knowledge and behavior of under graduate level students about Reduce, Reuse and recycling of material.

BENEFITS OF REDUCE, REUSE AND RECYCLE.

Conserving natural resources:- There are finite natural resources and sometimes there is shortage of material too. * **Saves Energy:-** Reuse of material needs less energy than requires for production of new material. * **Prevents pollution:-** It prevents or reduces the pollution generated during harvesting new material. * **Protecting Ecosystem and Wildlife:-** Reuse of material helps to protect ecosystem and it helps to save wildlife. * **Create jobs:-** Recycling can give jobs to creative workers. * **Conserves natural resources for our children's future.** It helps to sustain the environment for future generations. * **Global climate change:-** It reduces greenhouse gas emission that contribute to global change. * Recycling and reuse of material reduces use of energy thus **reduces carbon emission.** * Reuse and recycling reduces the need for new **landfills and incinerators.** * It stimulates the development of **greener technologies.** *Ultimately it **saves money.**

OBJECTIVE OF THE STUDY:

The main objective of the study was to study knowledge and behavior of under graduate level students towards Reduce, Reuse and recycling of material. More specifically following are the objectives of the present study-

To study student's knowledge about Reduce, Reuse and recycling of material.

To study student's knowledge about waste disposal.

To study student's behavior towards Reduce, Reuse and recycling of material.

To what extent are they involved in recycling in their daily lives.

Methods to increase student's attitude towards Reduce, Reuse and recycling of material.

MATERIAL AND METHOD:

The purpose of present study was study knowledge and behavior of under graduate level

students towards Reduce, Reuse and recycling of material. For this random sample of 100 students of different classes were selected. The region which is selected for study is mainly restricted to under graduate level of Shivramji Moghe Arts, Commers and Science college, Pandharkawada dist Yavatmal Maharashtra. Collection of data was done through self-developed questioner and interviews of students. Self-developed questioner is mainly consisting of questions about knowledge of students about Reduce, Reuse and recycling of material, Factors affecting their knowledge and student's behaviour towards Reduce, Reuse and recycling of material. All primary data was collected with the help of questionnaires, interviews, group discussions and by observations. After processing data final conclusions are drawn.

RESULTS OF THE STUDY:

To find student's knowledge about Reduce, Reuse and recycling of material and waste disposal, students were asked to rate the given set of questions with appropriate answer such as not informed, little informed and completely informed or agree and disagree. Students were asked to rate appropriate answer.

Following are some Results obtained from study

- This study observed that many students know about the consequences of avoiding Reduce, Reuse and recycling of material but do not act on them.
- Some students do not feel their individual responsibility.
- Students are interested in learning more about environment.
- Many students think that their small amount of trash is not going to make a difference.
- This study shows that among students the waste disposable practice is careless with the environment.

- Social norms and lifestyle influenced the recycling behaviour of students.
- This study demonstrated that the responders have poor knowledge about adverse health effect of improper waste disposal.
- Results showed that awareness of waste problems and involvement in community activities affected waste reduction
- Lack of appropriate information and lack of conveniently located bins affects the waste management.

CONCLUSION:

The study examined the attitudes and behavior and practice concerning Reduce, Reuse Recycle and waste management among students. The analysis outcome indicates that the majority students have insufficient knowledge and awareness about Reduce, Reuse Recycle and waste management. However, there is the necessity to develop student's attitudes and willingness to reduce problems related to Reduce, Reuse Recycle and waste management. To achieve this, study suggests that a carefully thought-out waste education and awareness strategy should be developed in order to change students' habits and behaviour and traditions. Many students think that their small amount of trash is not going to make a difference. By changing this thinking, we can make a big change towards environment conservation.

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