



# Kristu Jayanti College

**AUTONOMOUS** Bengaluru

Reaccredited 'A' Grade by NAAC | Affiliated to Bengaluru North University

## Programmes on Solid Waste Management

| Sl.No | Name of the event  | Organizing Unit                                       |
|-------|--|---|
| 1     | Environmental Awareness- E-Waste Mangement   | Department Of Computer Science [PG]                   |
| 2     | Environmental Awareness- Plastic Waste Free Home                                     | Department Of Computer Science [PG]                   |
| 3     | Sustainable Solid Waste Management   | Department of Life Sciences and Environment Club      |
| 4     | Training in preparation of Biofertilizer and distribution of Vermicompost to farmers | Department of Life Sciences, Environment Club and NSS |
| 5     | Training Session on Women Entrepreneurship in Waste Management Technology            | Environment Club                                      |
| 6     | “Waste Valorization: A new paradigm for sustainable environment                      | Department of Life Sciences, Environment Club         |
| 7     | Garbage Segregation Unit Visit   | NCC   |



PRINCIPAL

Kristu Jayanti College Autonomous  
K. Narayanapura, Kothanur PO  
Bengaluru - 560077



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## DEPARTMENT OF COMPUTER SCIENCE [PG]

### Environmental Awareness

#### E-Waste Management

#### REPORT

|  |   |
|--|---|
| Date   | : 17 <sup>th</sup> Aug 2019   |
| Time   | : 11:00 am – 1:00 pm  |
| Classes Attended                               | : III & V MCA, I MSc  |
| Number of beneficiaries                        | : 80  |
| Name and details of the <b>Resource Person</b> | : <b>Dr. Kumar R</b><br>HOD of Computer Science Department,<br>Kristu Jayanti College, Bangalore. |

#### Objective:

To urge the students for the safe disposal of E-waste to reduce the harmful effects, and provide tips and instruction for the safe disposal of the same.

#### Brief Write up on the Programme:

The session on Environmental Awareness was hosted on “**E-Waste Management**”. **Prof. Kumar R**, HOD of Computer Science Department of Kristu Jayanti College was the resource person for the day. The session emphasized the need for the safe disposal of Electronic Waste. With the high production of electronic gadgets, there is also a high negative effect on the environment causing harm to human health on a larger scale. In the session, he emphasized the effects of the usage of gadgets on the human and the environment by unearthing the fact that the gadgets carelessly dumped around create an impact on the environment that in-turn harms human life. He then gave



instructions to how these gadgets safely after use and only give to those who are certified E-waste collectors and to always give away the out-dated technologies to the institutes or organization which require a basic technological need.

The students were shown a video of how these E-wastes kills the environment and the people associated with the collection of the same. Prof showed another video of how a young man turned his father's Scarp Collection into an E-waste collection, segregated the metal, and recycle the remaining commodities. Prof also instructed the students that there would be a campus E-waste drive and that the students should use this time to dispose of their E-waste during this time.

### **Learning Outcome:**

The participants gained information on what are E-waste, its impact on the environment, and its safe disposal.

### **Photos:**



Prof Dr. Kumar giving a session on E-waste management to the Computer Science PG students.



## Feedback analysis

| <b>Lecture and Presentation was enlightening</b> | <b>Frequency</b>   | <b>Percent</b> |
|--|--|----------------|
| Strongly Agree                                   | 20   | 54.05          |
| Agree  | 13   | 35.14          |
| Neutral  | 4  | 10.81          |
| <b>Information presented was new</b>             | <b>Frequency</b>   | <b>Percent</b> |
| Strongly Agree                                   | 20   | 54.05          |
| Agree  | 14   | 37.84          |
| Neutral  | 3  | 8.11           |
| <b>Presentation was relevant</b>                 | <b>Frequency</b>   | <b>Percent</b> |
| Strongly Agree                                   | 22   | 59.46          |
| Agree  | 14   | 37.84          |
| Neutral  | 1  | 2.70           |
| <b>Content was delivered efficiently</b>         | <b>Frequency</b>   | <b>Percent</b> |
| Strongly Agree                                   | 18   | 48.65          |
| Agree  | 17   | 45.95          |
| Neutral  | 2  | 5.41           |
| <b>Audio / Visual was effective</b>              | <b>Frequency</b>   | <b>Percent</b> |
| Strongly Agree                                   | 22   | 59.46          |
| Agree  | 13   | 35.14          |
| Neutral  | 2  | 5.41           |
| <b>Discussions were interesting</b>              | <b>Frequency</b>   | <b>Percent</b> |
| Strongly Agree                                   | 18   | 48.65          |
| Agree  | 18   | 48.65          |
| Neutral  | 1  | 2.70           |
| Learning from the session                        | <ul style="list-style-type: none"> <li>• brain fingerprint-how to use that in many fields, stenography and digital twin</li> <li>• e-waste management and efficient dumping</li> </ul> |                |

Web link:

<https://kristujayanti.edu.in/events/events.php?mode=openlink&year=2019&month=August>

Report prepared by

**Prof. Vani C**



Head of the Department

**Prof. Kumar R**



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## DEPARTMENT OF COMPUTER SCIENCE [PG]

### Environmental Awareness

#### Plastic Waste Free Home

#### REPORT

Date : 2<sup>nd</sup> October 2019  
Classes Attended : All MCA & MSc students & Faculty  
Number of beneficiaries : 185

#### **Objective:**

To urge the students for the reduction in the usage of plastic at home and also for safe disposal of plastic waste to reduce the harmful effects.

#### **Brief Write up on the Programme:**

All the students and the faculty members of the department consciously reduced the usage of plastic in their homes. The students also collected plastic waste from the neighbors and the locality and deposited it at the BBMP plastic collection center in Hennur. The students of our department, collected the plastic waste, properly disposed of the same to the respective collection centers, and made their home and their living space "PLASTIC WASTE FREE".



**Photos:**



Students depositing Plastic Waste at the collection center

**Web URL:**

<https://local.google.com/place?id=14876886711176485059&use=posts&lpsid=6329407092536429929>

Report prepared by

**Prof. Vani C**

Head of the Department

**Prof. Kumar**





# Kristu Jayanti College

A U T O N O M O U S

Bengaluru

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## Dept. of Life Sciences and Environment Club

### Sustainable Solid Waste Management

|                             |  |
|-----------------------------|--|
| <b>Date</b>                 | : 16/082019-05/02/2020                     |
| <b>Classes Participated</b> | : M.Sc Biotechnology and Microbiology (52) |
| <b>Beneficiaries</b>        | : 1V BSc BT and MB                         |

Department of Life Sciences offers the departmental extension activity on Vermicompost Technology for B. Sc. and M. Sc. Students to enhance their skill and knowledge in the conversion of Solid Organic Waste to useful Compost (Bio-fertilizer). Vermicomposting is the process of producing organic fertilizer or vermicomposting from biodegradable materials by earthworms. With the increase in waste production in this modern world, it's becoming a challenge to manage the solid waste of large amounts. Vermicomposting is the eco-friendliest recycling process to reduce organic waste.

In this program, B. Sc. BT and MB students are involved in training about vermicompost technology.

1. This program gave an idea how to manage the solid waste
2. This program demonstrated how to produce bio-fertilizer from organic waste
3. This program helped to reduce the environmental pollution
4. This program helped in producing a source of organic bio-fertilizes to crop plants.





**Students involved in collecting browns for composting**







**Students being trained in composting and vermicomposting**





**Biofertilizer prepared by students**

Report prepared by  
**Dr. Hanumanthappa Naik**

Verified by  
**HoD, Department of Life Sciences**





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## Department of Life Sciences, Environment Club and NSS unit

### Training in preparation of Biofertilizer and distribution of Vermicompost to farmers

|                                 |   |  |
|---------------------------------|---|--|
| <b>Date</b>                     | : | <b>07/03/2020</b>                          |
| <b>Classes Participated</b>     | : | <b>M.Sc Biotechnology and Microbiology</b> |
| <b>Number of Beneficiaries:</b> |   | <b>Farmers (50)</b>                        |
| <b>Place Visited</b>            | : | <b>Ambalgeri village</b>                   |

The Dept. of Life Sciences, Environment Club in association with NSS organized an awareness program about the importance of Biofertilizers and their role in crop improvement. Training was given to village farmers on how to produce Biofertilizers from organic solid waste. The BSc. and MSc. Microbiology students who studied agriculture microbiology and have got trained in vermicompost production participated in the program conducted in Ambalgeri village in Doddaballapure taluk of Chikkaballapure district in Karnataka.

The farmers came to know how to prepare Biofertilizer from the organic solid waste generated in the field after crop harvesting. They got a basic knowledge of components of Biofertilizer such as K N P, the difference in yield enhancement by using organic fertilizer when compared to chemical fertilizer and also about the disadvantages of using chemical fertilizer.



**Glimpses of training being given to the farmers on composting and vermicomposting**



**Biofertilizers made by students being distributed to villagers at Ambalagere**



Report prepared by

**Dr. Hanumanthappa Naik**

Verified by

**Coordinator, Environment Club**





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## ENVIRONMENT CLUB

### TRAINING SESSION ON WOMEN ENTREPRENEURSHIP IN WASTE MANAGEMENT TECHNOLOGY

**Date:** 07<sup>th</sup> March 2020

**Classes Attended & Number of beneficiaries:** Girl students of college;44 students

**Name and details of the Resource Person:** Mr. Anand Raj,  
Owner of "Eat Raja - Amma Madiddu",  
Malleshwaram, Bengaluru.

**Objective:**

To empower and train girl students to manage waste and contribute to sustainable development and become an entrepreneur to start Zero Waste Juice center in College.

**Brief Write up on the Programme:**

On the occasion of Woman's Day, the Environment Club of Kristu Jayanti College in association with IIWM, Bengaluru, and Woman Empowerment Cell conducted a capacity building program on "Woman Entrepreneurship in Waste Management Technology" for the women students of Kristu Jayanti College, Bengaluru on 7<sup>th</sup> March 2020. The session was conducted under the framework AICTE-IIWM WAVE (Waste Management Accelerators for Aspiring Woman Entrepreneurs). The students were trained in skills and management to start a zero-waste juice center within the campus and further take it up as an incubation center for training and employing few rural women for the same. Chief Guest for the day, Mr. Anand Raj, owner of "Eat Raja - Amma Madiddu"- A zero waste juice cafe situated in Malleshwaram, Bengaluru, gave hands-on training to the students and inspired the students to manage waste and contribute to sustainable development. Fr. Josekutty PD, Principal, Kristu Jayanti College gave all support to the students to go ahead with the environment-friendly venture and Ms. P Bineesha, E D of IIWM assured that



IIWM will be doing the handholding of this incubation center and facilitate in creating linkages like technology support for mechanization, franchise model development digital interface, etc. Followed by the training session, interested students registered their names to initiate the on-campus venture. The students of Kristu Jayanti College look forward to setting an archetype for having the first zero-waste juice cafe on campus.

**Web URL:**

<https://kristujayanti.edu.in/events/events.php?mode=openlink&year=2020&month=march&url=Waste-Management-Technology.php>

**Feedback:**

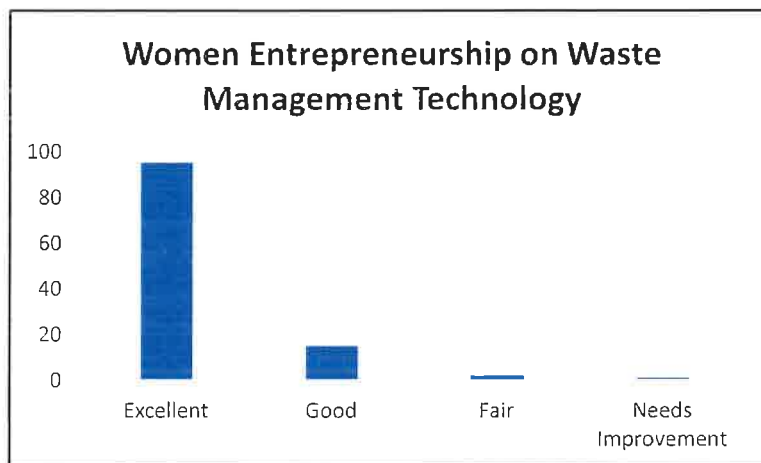


Photo:







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## ENVIRONMENT CLUB

### DEPARTMENT OF LIFE SCIENCES

#### Webinar on “Waste Valorization: A new paradigm for sustainable environment”

#### World Environment Day

**Date :** 05/06/2020

**Time:** 02:00 pm- 03:00 pm

**Name of the Resource Person:** Dr. Jastin Samuel R,

Asst. Professor,

Lovely Professional University,

Jalandhar, Punjab,

**Platform** : ZOOM

**Beneficiaries** : Students and Teachers from colleges in India

#### **Brief write up of the Programme:**

Dr. Jastin Samuel R explained various methods of conversion of waste into useful products. He elaborated on the possible projects on waste management which could be taken up by UG and PG students. Sir elaborated on research ideas to develop new technology for solid waste management, plastic-free environment, minimization of plastic use, and minimization of the wet and solid waste generation which is hazardous to the environment and to human beings. Dr. Jastin Samuel concluded the session by saying that if solid and wet waste is managed with new technology and if we minimize the solid and liquid waste generation and usage of plastic, it will be safe for the environment and thus prevent climate change and save mother earth for future generation



**Feedback:**



**Photo**



**Webinar Flyer**



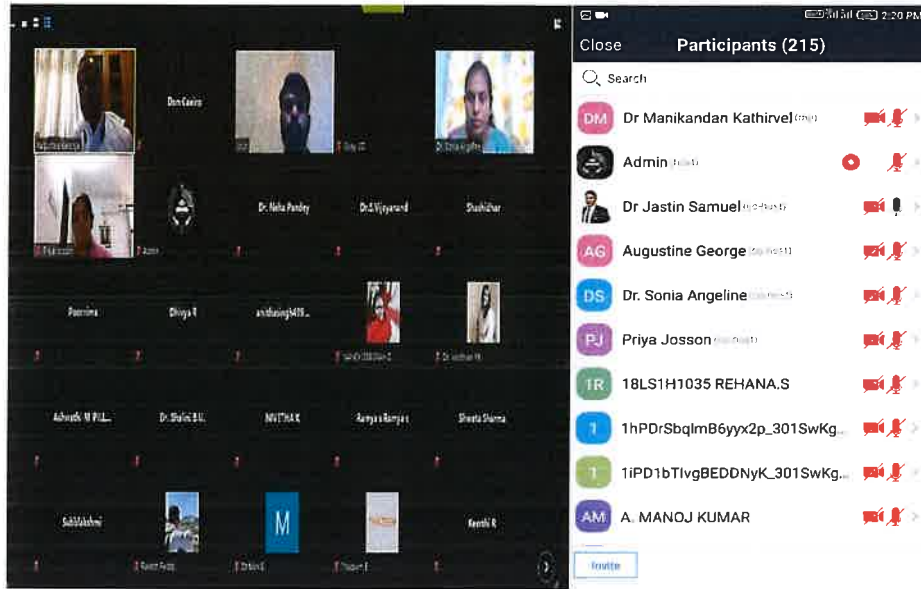


**Vice Principal delivering the inaugural note**



**Dr. Jastin Samuel delivering the talk**





**Participants**

Prepared by

**Dr. Hanumantappa B. Nayaka**

**Coordinator, Environment Club**





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**2A COY, 3KAR BN NCC**

## **GARBAGE SEGREGATION UNIT VISIT**

**Date: 15<sup>th</sup> September 2017**

**Time: 3:30 p.m - 4:40 p.m.**

**No. of Beneficiaries :**

|             |    |
|-------------|----|
| No. of SD's | 18 |
| No. of SW's | 10 |
| Total       | 28 |

### **Objective :**

To create awareness about garbage segregation and recycling and educating the environmental issues.

### **Brief Write-up:**

Swaach Pakwad is an event to educate and make awareness about environmental issues. On 15th September 2017, Kristu Jayanti College allowed NCC cadets to visit a garbage dumping yard and gain knowledge about garbage segregation and recycling. Waste is not a behavior that most city dwellers are familiar with. It may be possible to bring a more substantive shift in thinking and behavior towards waste by integrating environment education center on solid waste management beginning at the elementary level.

The garbage segregation process educates that organic and dry waste should be segregated accordingly while depositing waste. A visit to GRACE waste collection center where the cadets learned on segregation and recycling of waste. Here a huge amount of waste is collected every day, which has to be disposed of carefully and recycled for further reuse.

Waste is segregated into organic, dry, and sanitary waste, to make it convenient for dumping and recycling. The daily report is made of whatever waste is used for recycled or whatever waste is dump into the sand and how much waste is sold.



**Feedback:**

A visit to this GRACE was very much useful and all the cadets learned the segregation process which will be useful in their life process.

**Garbage Segregation Unit Visit**

**Date:15<sup>th</sup> September 2017**

**Photos:**



Photo: Students at the BBMP unit. 15/09/2017





Photo: Students at the BBMP unit. 15/09/2017

Report prepared by verified by ANO

JUO. SP Shine Raj



  
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