

महाराष्ट्र शिक्षण समिती द्वारा संचलित

महाराष्ट्र महाविद्यालय, निलंगा



प्रमाणपत्र

प्रमाणपत्र देण्यात येते की, कुमार / कुमारी मुगळे काशीबाई

दयानंद

इयत्ता BSE T.Y हजेरी क्रमांक

शैक्षणिक वर्ष २०२३-२०२४ मधील प्रकल्प कार्य *plastic waste management*

या विषयावर मार्गदर्शक शिक्षक / प्राध्यापकाच्या मार्गदर्शनाखाली अपेक्षित सर्व कामकाज, माहिती संकलन व अहवाल लेखन विद्यापीठाच्या कला लेखन नियमाप्रमाणे प्रकल्प कार्य तयार केलेले आहे. सदर प्रकल्प कार्य हे संबंधित विद्यार्थ्यांने स्वतः संकलित केलेले आहे.

सदर प्रकल्प कार्य हे संबंधित विद्यार्थ्यांने स्वतः संकलित केलेल्या लेखन सामग्रीवर आधारित असून स्वतःच्या हस्ताक्षरात लिहिले आहे.

दिनांक :

Rddy
मार्गदर्शक

परिक्षक

[Signature]
प्राचार्य / उपप्राचार्य

Principal
Maharashtra Mahavidyalaya
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महाराष्ट्र शिक्षण समिती द्वारा संयोजित

महाराष्ट्र महाविद्यालय, निलंगा

ता. निलंगा जि. लातूर

पर्यावरण

प्रकल्प कार्य लेखन वही

(Environmentakl Project Work Book)

विद्यार्थ्यांचे नांव सुनिल काशीवार्डे दशानंद
का Bachchanth क्लास CB2 काल काळ
प्रकल्प कार्याचे शिर्षक plastic waste management

प्रकल्प स्वरूप ; वैयक्तिक / गटमध्य ;

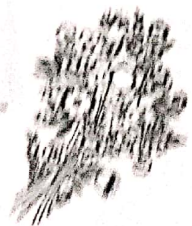
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प्रकल्प मार्गदर्शकाचे नाव ; P. S. Chaudhari mam

प्रकल्प मार्गदर्शकाचे नाव ; V. A. Reddy sir



PLASTIC WASTE MANAGEMENT



INTRODUCTION

- The term "plastics" includes materials composed of various elements carbon, hydrogen, oxygen, nitrogen chlorine, and Sulphur.
- plastics are macromolecules, formed by polymerization and having the ability to be shaped by the application of reasonable amount of heat and pressure or any other form of forces.
- It is one of the few new chemical materials which pose environmental problem.
- polyethylene, polyvinyl chloride, polystyrene is largely used in the manufacturing of plastics.



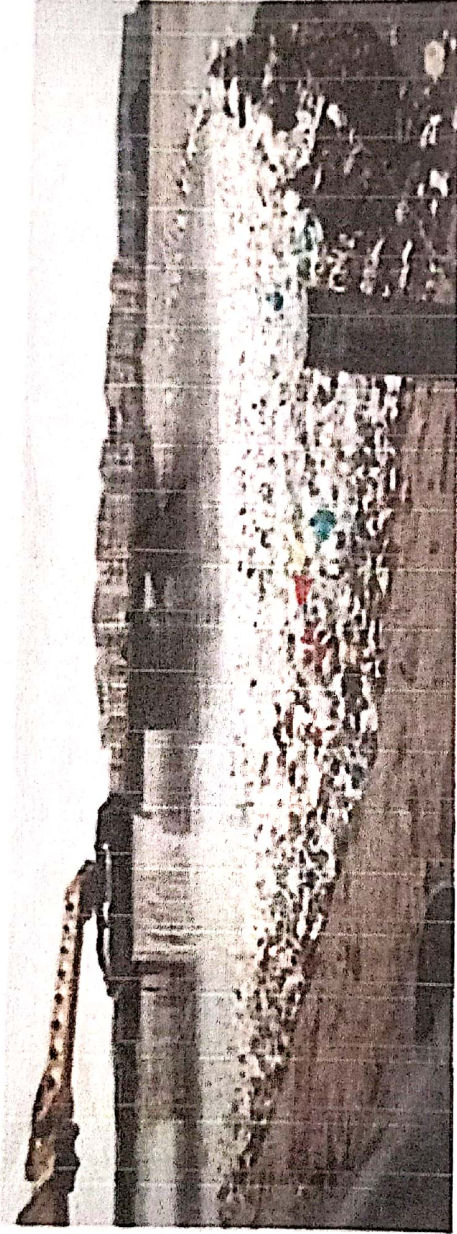
Types of plastic materials

- plastics, depending on their physical properties, may be classified as thermoplastic or thermosetting plastic materials.
- Thermoplastic materials can be formed into desired shapes under heat and pressure and become solids on cooling. If they are subjected to the same conditions of heat and pressure, they can be remoulded.
- Thermosetting materials which once shaped cannot be softened remoulded by the application of heat.
- out of total uses of plastic, 80% are Thermoplastic and 20% are Thermosetting.

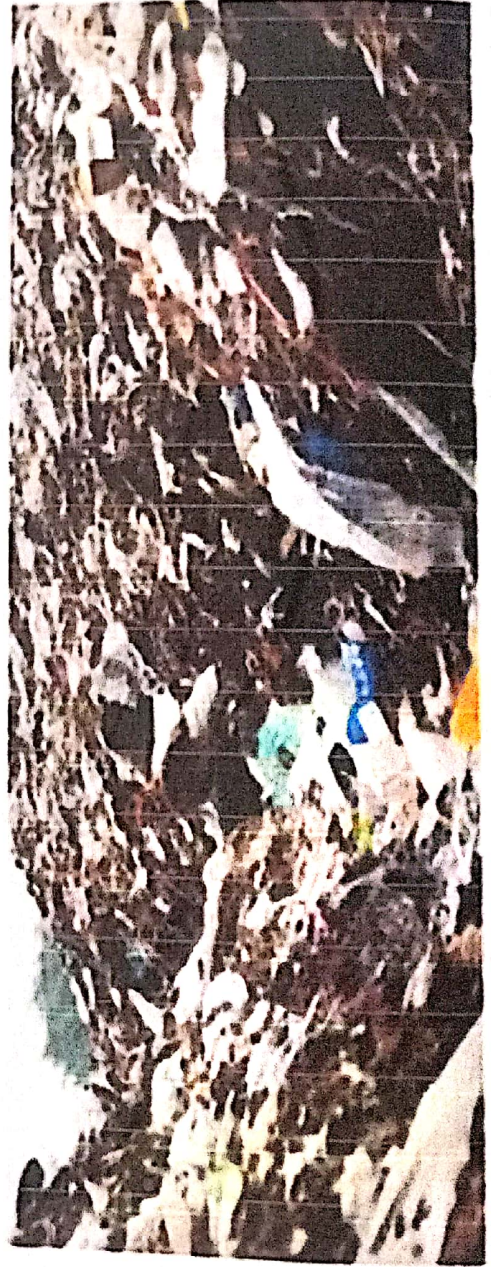


ENVIRONMENTAL ISSUES ON DISPOSAL OF PLASTIC WASTE

- Plastic pollute beaches & oceans.



- Plastic bags litter the landscape.



* Environmental Issues on Disposal of Plastic Waste *

- plastic pollute beaches & oceans.
- plastics bags litter the landscape.
- plastic bags kill animals.
- During product manufacturing various types of gases are released.
- Indiscriminate plastic waste disposal on land makes the land infertile due to its impervious nature.
- Burning of plastics generates toxic emissions such as carbon monoxide, chlorine, Hydrochloric Acid, Dioxin, Furans, Amines Nitrides, Styrene, Benzene, 1,3-butadiene, CCl_4 .

