

महाराष्ट्र शिक्षण समिती द्वारा संचलित

महाराष्ट्र महाविद्यालय, निलंगा



प्रमाणपत्र

प्रमाणपत्र देण्यात येते की, कुमार / कुमारी कांबळे ऐवढय चिनरा

इयत्ता B.Sc T.Y. हजेरी क्रमांक

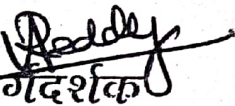
शैक्षणिक वर्ष २०-२०२४ मधील प्रकल्प कार्य Impact of climate

या विषयावर मार्गदर्शक शिक्षक / प्राध्यापकाच्या मार्गदर्शनाखाली अपेक्षित

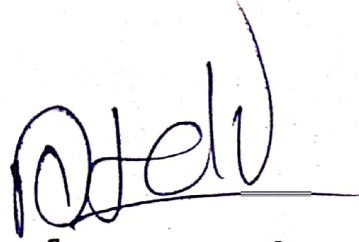
सर्व कामकाज, माहिती संकलन व अहवाल लेखन विद्यापीठाच्या कला लेखन नियमाप्रमाणे प्रकल्प कार्य तयार केलेले आहे. सदर प्रकल्प कार्य हे संबंधित विद्यार्थ्याने स्वतः संकलित केलेले आहे.

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

दिनांक :


मार्गदर्शक

परिक्षक


प्राचार्य / उपप्राचार्य

Principal
Maharashtra Mahavidyalaya
Nilanga 413521 Dist. Latur

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महाराष्ट्र महाविद्यालय, निलंगा

ता. निलंगा जि. लातूर

पर्यावरण

प्रकल्प कार्य लेखन वही

(Environmentakl Project Work Book)

विद्यार्थ्याचे नांव Kamble Aishwarya Dhanraj

वर्ग B.Sc T.Y. तुकडी CBZ क्रमांक _____

प्रकल्प कार्याचे शिर्षक Impact of climate change
in agriculture.

प्रकल्प स्वरूप : वैयक्तीक / गटामध्ये :

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२) _____

३) _____

प्रकल्प मार्गदर्शकाचे नाव : R. S. chaudhari mam

प्रकल्प मार्गदर्शकाचे नाव : Y. A. Reddy sir



* IMPACT OF
CLIMATE
CHANGE IN
AGRICULTURE... *

* ENVIRONMENTAL
STUDIES * *



* INTRODUCTION :-

- There are numerous effects of climate change on agriculture, many of which are making it harder for agricultural activities to provide global food security.
- Caused by drought, heat waves and flooding. These effects of climate change can also increase the currently rare risk of several regions suffer simultaneous crop failures, which would have significant consequences for the global food supply.
- Many pests and plant diseases are also expected to either become more prevalent or to spread to new regions. The world's livestock are also expected to be either become more prevalent or to be affected by many of the same issues, from greater heat stress to animal feed shortfalls and the spread of parasites and vector-borne diseases.



* Direct impacts from changing weather pattern :-

⇒ Agriculture is sensitive to weather and major events like heatwaves or droughts or heavy rains can cause substantial losses.

⇒ climate change is known to increase the frequency and severity of heatwaves, and to make precipitation less predictable and more prone to extremes, but since climate change attribution is still a relatively new field, connecting specific weather events and the shortfall they cause to climate change over natural variability is often difficult.

⇒ On the other hand, floods often linked to climate change have also notable adverse effects on agriculture in the recent years. In May 2019, floods shortened corn planting season in the Midwestern United States, lowering the projected yield from 15 billions bushels to 14.2.



* Impact on plants caused by increasing CO₂ & methane :-

⇒ Elevated atmospheric carbon dioxide affects plants in a variety of ways. Elevated CO₂ increases crop yield and growth through an increase in photosynthetic rate, and it also decreases water loss as a result of stomatal closing.

⇒ The CO₂ fertilization effect or carbon fertilization effect causes an increased rate of photosynthesis while limiting leaf transpiration in plants. Both processes result from increased levels of atmospheric carbon dioxide (CO₂).

⇒ The carbon fertilization effect varies depending on plant species, air and soil temperature, and availability of water and nutrients.

⇒ Net primary productivity might positively respond to the carbon fertilization effect.

