

# JANUS GLOBAL SCHOOL CBSE Kanchipuram

AFFILIATION NO 1930651



Innovation in school 2022-23  
Term -1

## TOPIC - RENEWABLE ENERGY

- ▶ FLAMELESS RADIANT – BIOMASS PELLET GASIFICATION STOVE (FR-BPGS)
- ▶ TEAM – GOAL DIGGERS OF STD 10
- ▶ MENTOR- MRS. KALVIKARSI- CHEMISTRY TGT
- ▶ MR. MUKUNDAN- SMC PARENT MEMBER
- ▶ **STATUS – ONE OF THE WINNERS IN RENEWABLE ENERGY CATEGORY IN SMART INDIA HACKATHON 2022-23- CONDUCTED BY MINISTRY OF EDUCATION( MOE)**

# TOPIC - RENEWABLE ENERGY



# TOPIC - RENEWABLE ENERGY

## TEAM- GOAL DIGGERS







# TITLE- FREE ENERGY WATER PUMP

- ▶ AIM: TO PUMP OUT WATER FROM THE POND USING PRESSURE( SOURCE You Tube)
- ▶ TEAM- STUDENTS FROM STD 8 TO 10( Intrested in this project)
- ▶ MENTOR- MRS. KRITHIKA TGT PHYSICS
- ▶ MS. SIVAPRIYA TGT PHYSICS
- ▶ STATUS- UNIT ASSEMBLING IS COMPLETE. IT IS UNDER CHECKING.



# TITLE- FREE ENERGY WATER PUMP






# TITLE- FREE ENERGY WATER PUMP





## TITLE-TO MAINTAIN THE PH VALUE IN THE FISHPOND

- ▶ AIM: TO MAINTAIN PH VALUE IN THE FISHPOND AND CONTROL MORTALITY.(ADVISABLE PH VALUE 7 TO 9)
  - ▶ TEAM- STUDENTS FROM STD 8 TO 10( Intrested in this project)
  - ▶ MENTOR- MRS. KALVIKARASI TGT CHEMISTRY
  - ▶ MS. LAKSHMI B. PHARM, B. Ed.,( SPL EDUCATION)
  - ▶ STATUS- CHILDREN ARE RECORDING THE PH VALUE OF THE POND ONCE IN TWO DAYS. THEY RECOMMEND PERCENTAGE OF WATER TO BE DRAINED FROM THE POND , AND ADDING OF FRESH WATER, THERE BY CONTROLLING THE MORTALITY RATE OF THE FISH.
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# TITLE-TO MAINTAIN THE PH VALUE IN THE FISHPOND





# TITLE-TO GROW CORN/ SUCCULENTS USING HYDROPHONICS

- AIM: TO GROW CORN / SUCCULENTS USING HYDROPHONICS AND PREVENT/ CONTROL FUNGUS ATTACK USING NATURAL INGREDIENTS
  - TEAM- STUDENTS FROM STD 8 TO 10( Interested in this project)
  - MENTOR- MS. ESWARI TGT BIOLOGY
  - MS. JEYANTHI PRT ( Bio Major)
  - STATUS- CHILDREN HAVE BEEN INTRODUCED TO HYDROPHONICS. THEY HAVE BEEN TAKEN THROUGH THE EXPERIMENTAL PROJECT BY THE MENTORS. CHILDREN ARE TRYING TO GROW CORN USING THE TECHNIQUES LEARNT. THEY HAVE GROWN SUCCULENTS USING HYDROPHONICS.
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**TITLE-TO GROW  
CORN/  
SUCCULENTS  
USING  
HYDROPHONICS**





**TITLE-TO GROW  
CORN/  
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# UNDERSTANDING AGRICULTURE





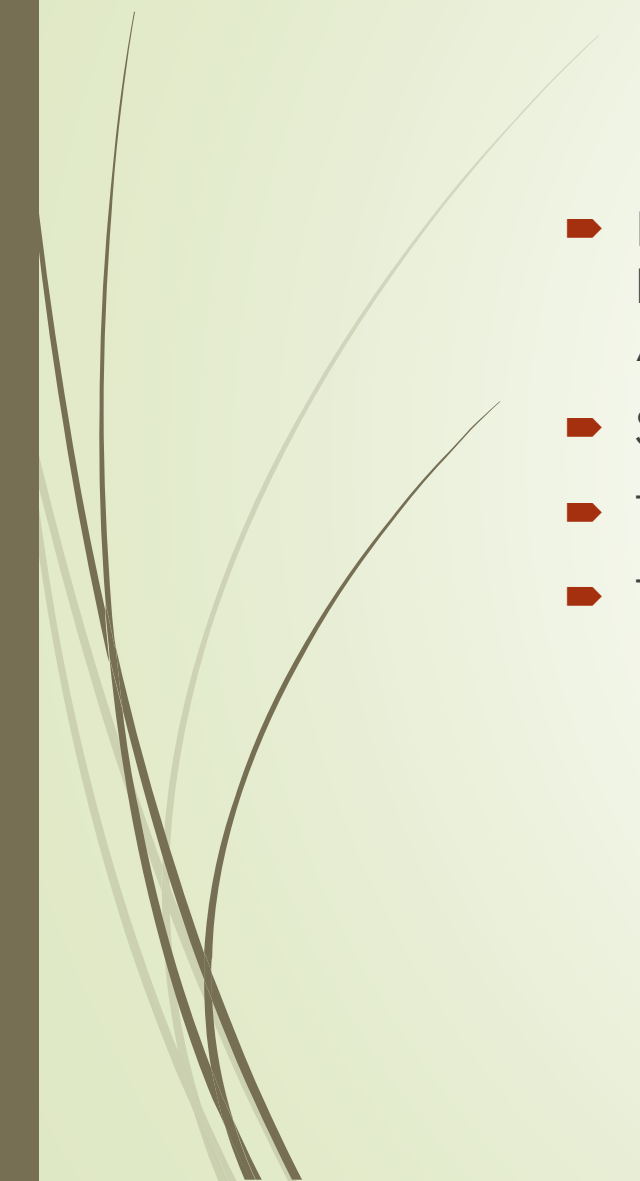
# UNDERSTANDING AGRICULTURE







## TITLE-TO UNDERSTAND VARIOUS EMERGING FIELDS.

- ▶ READING AND UNDERSTANDING THE CHOOSEN EMERGING FIELD USING INTERNET AND IDENTIFYING UNIVESITIES THAT OFFER COURSES RELATED TO IT AND FINDING VARIOUS JOB OPPORTUNITIES RELATED TO THE SAME.
  - ▶ STUDENTS INVLOVED- STD 9 AND 10
  - ▶ TWO TOPICS / TERM
  - ▶ TOPICS FOR THIS TERM- 1. MECHATRONICS  
2. ARTIFICIAL INTELLIGENCE AND ROBOTICS
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# EMERGING FIELDS

**TITLE-TO  
UNDERSTAND  
VARIOUS  
EMERGING  
FIELDS.**



**INSIGHTFUL  
LEARNING  
FOR AN  
INCREDIBLE  
NATION**

**OUR MOTTO**