TEAM BAUDBANDITS

MEMBERS-

- o Deevi Nandu
- Akshansh Dwivedi
- o Devika Panicker
- o Dharmil Trivedi
- o Gia Pillai
- Hemant Kothari

Problem Statement-

THE SMART CITY SENTINEL – A MODULAR PCB FOR INTELLIGENT ENVIRONMENTAL MONITORING

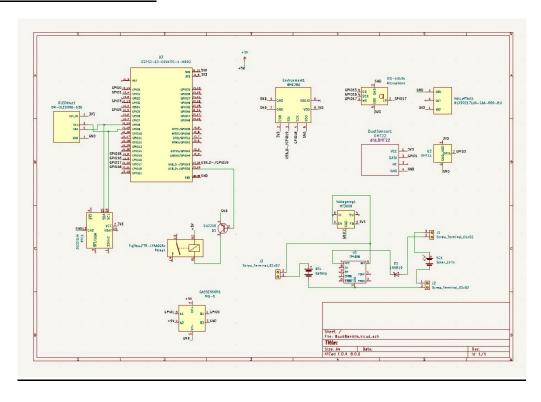
CONTENTS

- Bill of Materials (BOM)
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- Verification Checks
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BILL OF MATERIALS (BOM)

COMPONENT	COST
BME 280 Environmental sensor	Rs 183
DHT11 sensor	Rs 124
Gas sensor	Rs 159
IR Flame sensor	Rs 89
MAX741 Current and Voltage sensor	Rs 399
Voltage booster	Rs 219
Solar Panel	Rs 129
Relay module	Rs 229
Sound sensor	Rs 100
RTC DS3231 module	Rs 299
Hall effect sensor	Rs 64
Rechargeable module	Rs 69
Contingency (10%)	Rs 200
TOTAL (estimated)	Rs 2,263

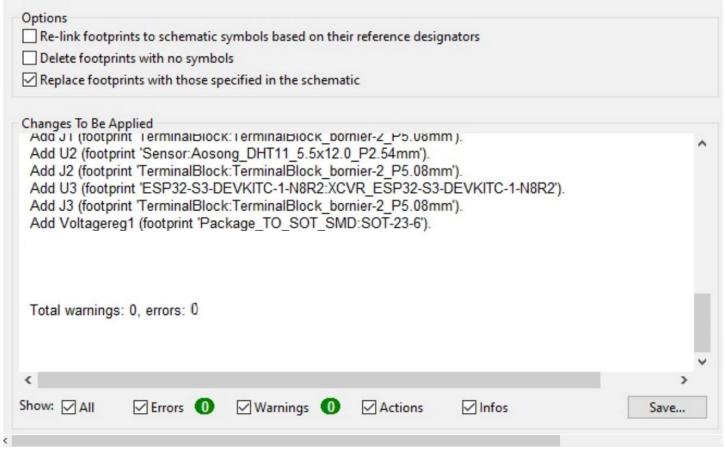
PCB DESIGN SCREENSHOTS-

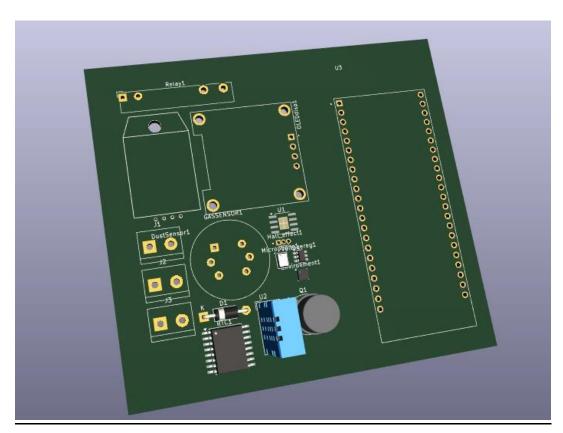


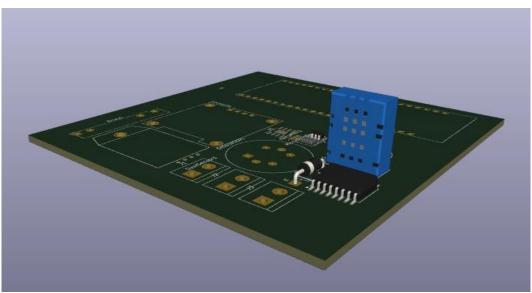
VERIFICATION CHECKS-

Update PCB from Schematic
Options

X







GITHUB REPOSITORY -

https://github.com/En1gma02/Unplugged2.0_BaudBandits/tree/main

3D CAD MODEL

