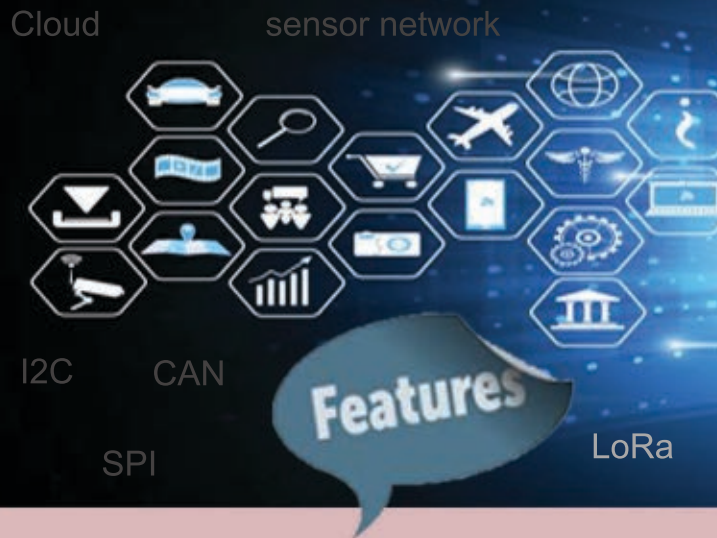




## NIELIT IoT Trainer Kit



Bluetooth

WiFi

LoRa

UART

Touch switch

Neo pixel LED

OLED

Digital light sensor

CAN

USB powered

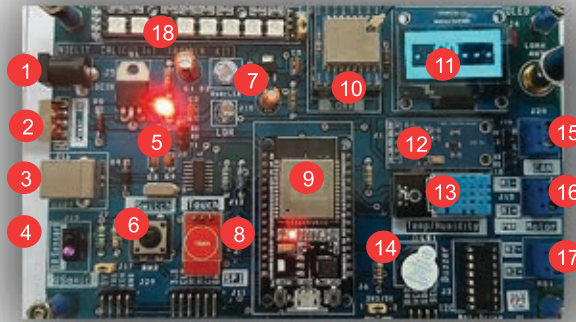
Proximity sensor

Temperature/Humidity sensor

2 DC Motor drive/ PWM

Standalone operation

## On Board Peripherals



- |                        |                            |
|------------------------|----------------------------|
| 1. Power supply Socket | 10. LoRa                   |
| 2. Power On switch     | 11. OLED                   |
| 3. Power on USB/UART2  | 12. Digital Light sensor   |
| 4. IR Proximity Sensor | 13. Temperature & humidity |
| 5. Power on LED        | 14. Buzzer                 |
| 6. Tactile Switch      | 15. CAN bus                |
| 7. User LED            | 16. DC motor 1/PWM1        |
| 8. Touch switch        | 17. DC motor 2/PWM2        |
| 9. ESP32 module        | 18. Neo pixel LED          |

*NB: Indicated Connection is applicable for Platinum model only*

## Target Customers

- Engineering Colleges
- Polytechnic Colleges
- Industrial Training Institutes
- 'O' Level Training Institutes

## About us

National Institute of Electronics and Information Technology Calicut (erstwhile Centre for Electronics Design and Technology - CEDT) was established in the year 1989 based on the successful model of CEDT at IISC Bangalore to promote design & development of indigenous electronics products. Since then the Centre is engaged in product development & services, conduction of industry oriented quality education and training in the state-of-the-art areas through various formal and non formal courses. The Centre received assistance from UNDP (United Nations Development Program) for setting up of the infrastructure and training of its staff members. The Centre is also implementing various Government Schemes related to capacity building, R & D, product development and industrial consultancy services in the field of Information, Electronics & Communications Technology (IECT). The infrastructure is developed in a 25 Acre campus (adjacent to NIT Calicut) with several sophisticated laboratory, smart class rooms, IEEE on line access, NKN connectivity, Mini data Centre and 24x7 WiFi facility to students both in campus and hostels.

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NIELIT is an Autonomous Scientific Society under  
Ministry of Electronics & Information Technology

Government of India