

T-HACKS 2020

RULES AND GUIDELINES

I. Bidding Criteria for component procurement during T Hacks

We will provide some general components for the participating teams in the hackathon.

- All the components have some credits associated with them.
- 100 credits will be allotted to each team and accordingly they can bid for the required components.
- Components shall be given on first come first serve basis.
- Extra credits will be provided if Kotlin language is utilized in the product or prototype. Additional opportunities to gain extra credits will also be provided on the spot.
- Before bidding, a component registration would be done wherein a list shall be submitted of the components bought by the teams to the hack.
- All the components must be returned by the end of the hack in good working condition. **Winners** of the hack can take away the hardware components that they bid for.
- Organizing heads' decision would be final and binding.

II. Component list

S.No.	Component
1	Slider Switch
2	Diodes (1N 4007)
3	Voltage regulator (7805)
4	push buttons
5	resistor box
6	capacitor box
7	transistor BJT BC547
8	LED
9	single strand wire
10	Comparators (LM358)
11	PCB
12	Breadboard
13	Buzzer
14	Relay (12 V)
15	555 timer
16	DC motor
17	Seven segment
18	Jumpers
19	Headers

20	Potentiometer
21	Battery (9V)
22	Switch -SPST latch
23	IR sensor module
24	LDR sensor module
25	AVR microcontroller
26	Arduino Uno
27	LCD display
28	Rainbow wire
29	Ultrasonic HCSR04
30	DST11(Temp/ humidity)
31	Single strand wire
32	Adapter (12V)
33	USB ASP
34	TSOP Module
35	Raspberry Pi
36	ESP8266
37	GSM Modules

III. Judgement Criteria

The judgement of products/prototypes in the hack would be made around the following points but won't be limited to them:

- Innovation
- marketability and consumer friendliness
- Hardware complexity
- Cost effectiveness

IEEE DTU

Student Branch