

Your own Image Caption, i.e. project related picture name and detail

# MCU Custom Project Proposal

(CPP) Build with Arduino Uno with C++ variant (11's) or Raspberry Pi with Python (12's)  
Description

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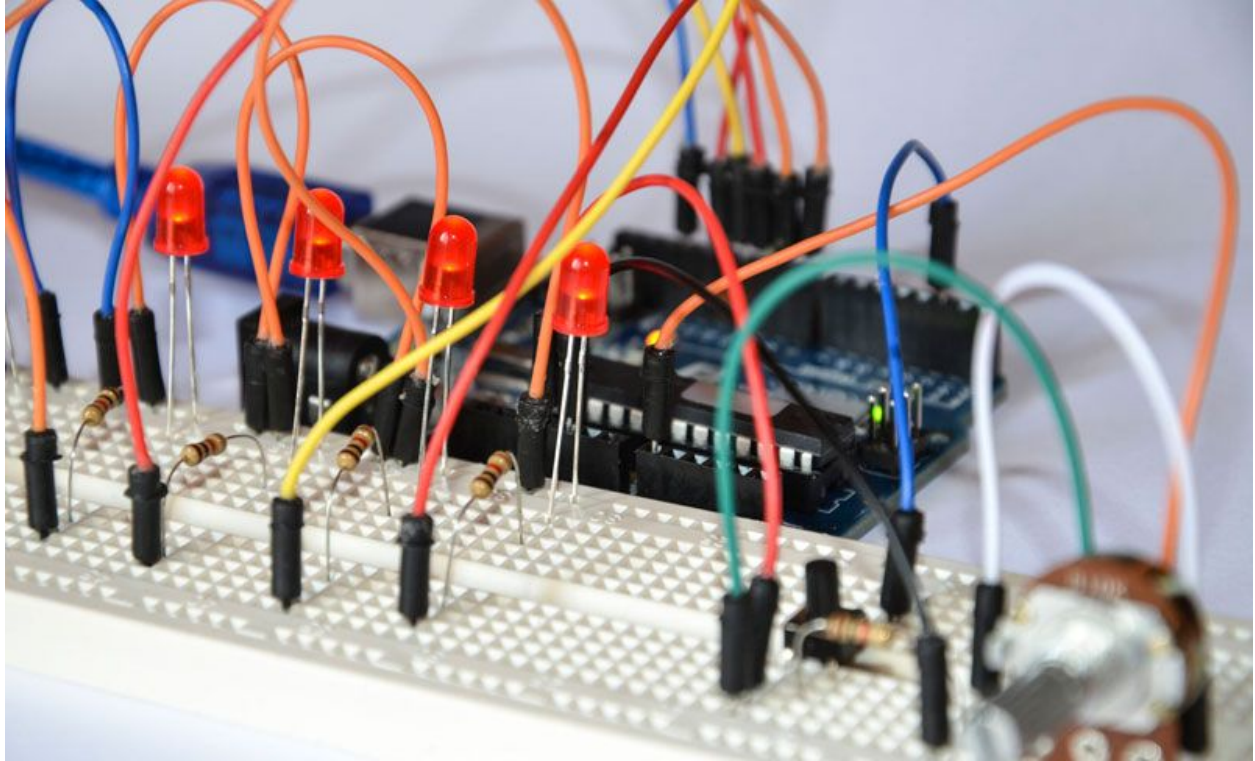
By: Your Name

Your Course, section, & cohort

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## Project Name 1, (Basic level)



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## Project Name 1 Description & Operation

Overall description of your project in a sentence here with operation steps to follow:


1. How it works point 1
2. How it works point 2
3. How it works point 3, etc.

## Project Name 1 Components

### Common Parts Readily Available:

- Quantity of Technical part name 1
- Quantity of Technical part name 2
- Quantity of Technical part name 3, etc.

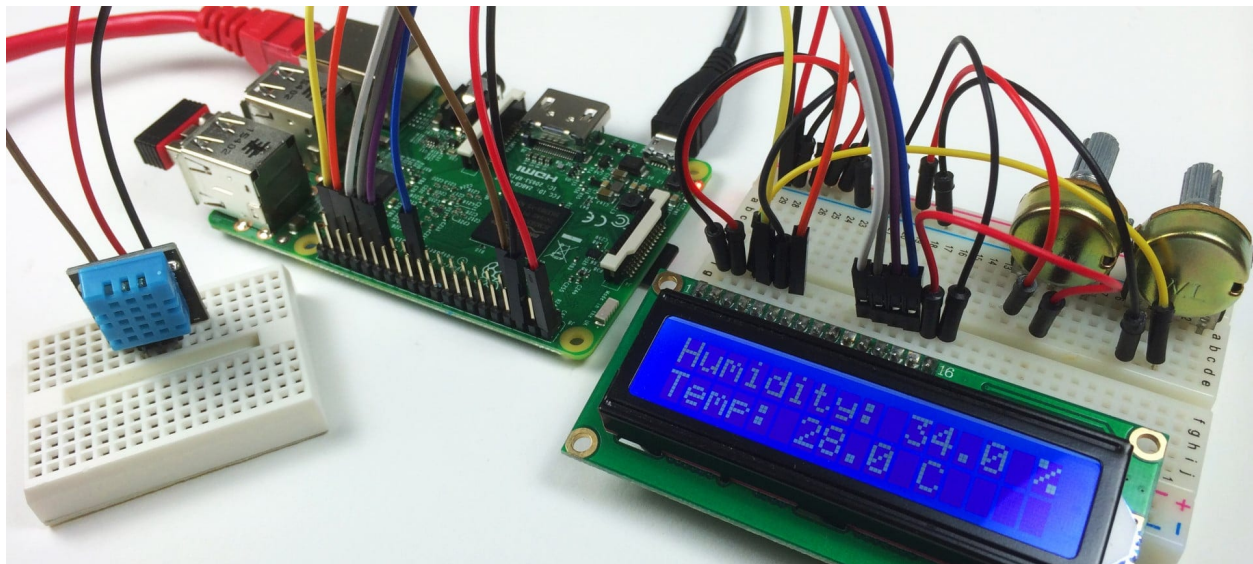
**Required Purchase Details:**

#	Part Name	Part #	Picture	Supplier	Description/purpose	Price	Q	Total Cost
1	Arduino Uno Rev3	ARDDU-031366		<a href="https://www.createoninc.com/products/arduino-uno-rev3/">https://www.createoninc.com/products/arduino-uno-rev3/</a>	1 ATmega328 based microcontroller, 14 digital input/output pins (6 PWM outputs) & 6 analog inputs	27.99	1	\$27.99
					Sub-total			\$27.99
					Taxes (13% GST/PST)			\$3.64
					Shipping - expected delivery ___days			\$8.00
					<b>Total Cost</b>			<b>\$39.63</b>

**Project Name 1 Programming Code**

Code language and general summary of coding - what it will do.

Project Name 2, (Intermediate level)



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Project Name 2 Description & Operation

Overall description of your project in a sentence here with operation steps to follow:

- 4. How it works point 1
- 5. How it works point 2
- 6. How it works point 3, etc.


Project Name 2 Components

Common Parts Readily Available:

- Quantity of Technical part name 1
- Quantity of Technical part name 2
- Quantity of Technical part name 3, etc.

Required Purchase Details:

#	Part Name	Part #	Picture	Supplier	Description/purpose	Price	Q	Total Cost
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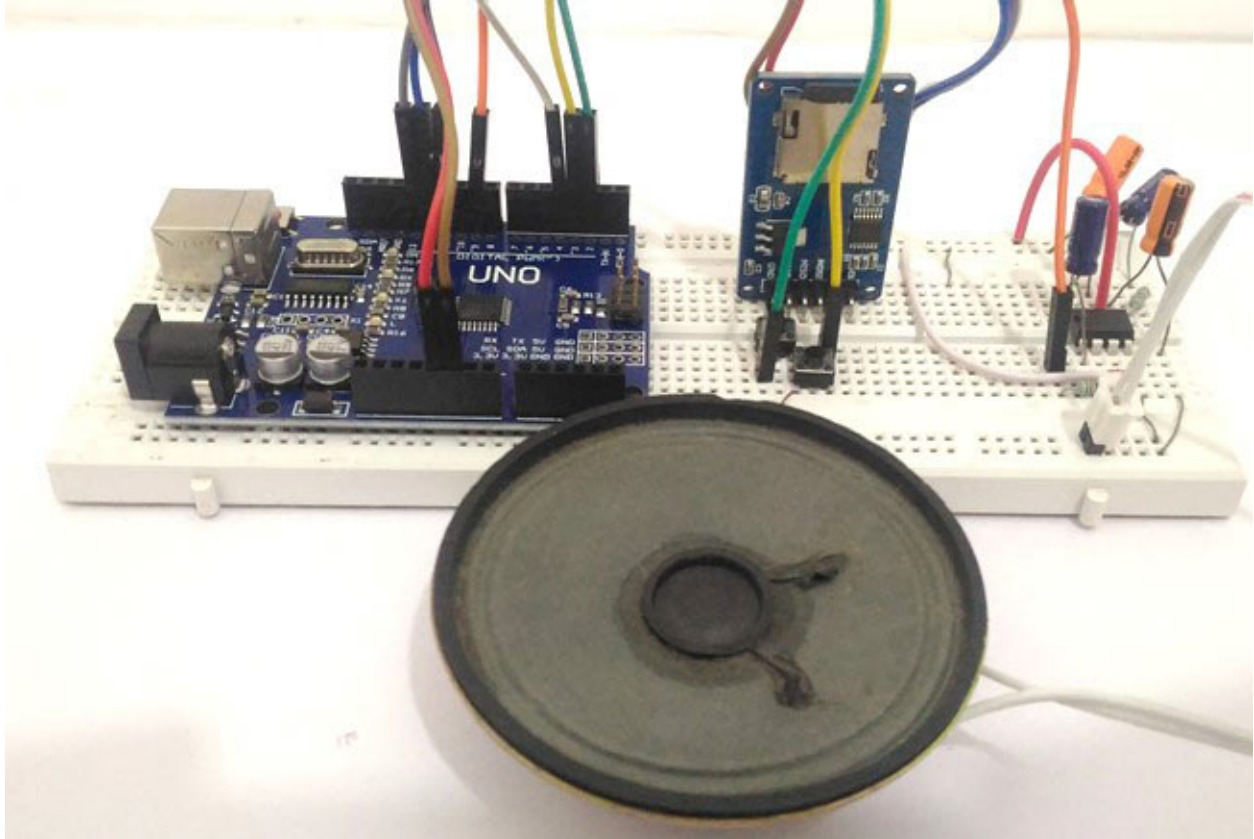
1	Arduino Uno Rev3	ARDDU-031366		<a href="https://www.createoninc.com/product/arduino-uno-rev3/">https://www.createoninc.com/product/arduino-uno-rev3/</a>	1 ATmega328 based microcontroller, 14 digital input/output pins (6 PWM outputs) & 6 analog inputs	27.99	1	\$27.99
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					Taxes (13% GST/PST)			\$3.64
					Shipping - expected delivery ____ days			\$8.00
					<b>Total Cost</b>			<b>\$39.63</b>

## Project Name 2 Programming Code

Code language and general summary of coding - what it will do.



## Project Name 3, (Advanced level)



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## Project Name 3 Description & Operation

Overall description of your project in a sentence here with operation steps to follow:

7. How it works point 1
8. How it works point 2
9. How it works point 3, etc.


## Project Name 3 Components

### Common Parts Readily Available:

- Quantity of Technical part name 1
- Quantity of Technical part name 2

- Quantity of Technical part name 3, etc.

### Required Purchase Details:

#	Part Name	Part #	Picture	Supplier	Description/purpose	Price	Q	Total Cost
1	Arduino Uno Rev3	ARDDU-031366		<a href="https://www.creatroninc.com/product/arduino-uno-rev3/">https://www.creatroninc.com/product/arduino-uno-rev3/</a>	1 ATmega328 based microcontroller, 14 digital input/output pins (6 PWM outputs) & 6 analog inputs	27.99	1	\$27.99
					Sub-total			\$27.99
					Taxes (13% GST/PST)			\$3.64
					Shipping - expected delivery ___ days			\$8.00
					<b>Total Cost</b>			<b>\$39.63</b>

### Project Name 3 Programming Code

Code language and general summary of coding - what it will do.



## Overall Build Summary and Learning Expectations

Write a summary of how the basic, intermediate, and the advanced project will build up and your baseline of KSV of this project.

1. Learning expectation 1
2. Learning expectation 2
3. Learning expectation 3, etc.

## Resources

- Tutorial, support, and/or information resource link 1
- Tutorial, support, and/or information resource link 2
- Tutorial, support, and/or information resource link 3, etc.