

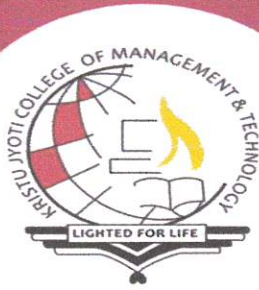


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BEST PRACTICE II



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7. 2. Best Practices

Best Practice :2

**Kristujujotian Innovative Skill Development
and Entrepreneurial Initiatives**

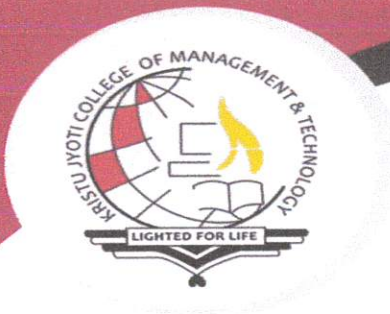


Fr. Joshy Cheeramkuzhy CMI
Principal

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INOVUS LABS IEDC
IEDC Kristu Jyoti College

FOUNDERS OF INOVUS LABS AT KRISTU JYOTI



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'Inovus Labs' is a Student Community at Kristu Jyoti College of Management and Technology. It was later recognized as an Innovation and Entrepreneur Development Centre (IEDC) by Kerala Start-up Mission in the year 2015. Inovus Labs is a Start-up incubation Centre for nurturing the spirit of Entrepreneurship and Innovative thinking of its fellows. We are the first of its kind at an Arts & Science College. We are funded for our innovative start-ups by Kerala Start-up Mission. Amazon Web Services, KASPEROB, Mozilla, Github, and Internshala collaborate with us to achieve our goals.

ARDUINO WORKSHOP 1

On January 23rd 2023, the fellows of Inovus Labs IEDC has conducted a workshop on the topic 'Basics of Arduino' at college of applied sciences, Mallappally as a part of their tech fest 'THARANG'. The session which included the topics like working of the arduino uno board with some sensors, how to use Arduino IDE and how to make simple projects using arduino. The session ended with a quiz program consisting of questions, from the above topics.


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Components Used for the Project Training

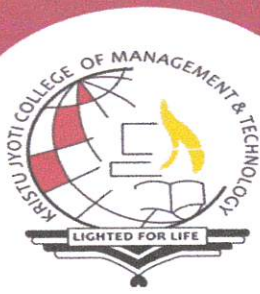
- Arduino UNO
- NodeMCU
- 4*4 Relay Module
- DHT11 Sensor
- MQ3 Gas Sensor
- 8*8 LED Matrix Display Project



[Signature]
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ARDUINO WORKSHOP 2

On December 7th 2022, the fellows of Inovus Labs IEDC has conducted a workshop on the topic 'Basics of Arduino' at the Inovus Labs . The session included the topics like working of the arduino uno board with some sensors, how to use Arduino IDE and how to make simple projects using arduino. The session ended with a quiz program consisting of questions, from the above topics. The participants are awarded with certificates of participation. Our fellows Induchoodan R and Nikhil T. Das has leaded the session.

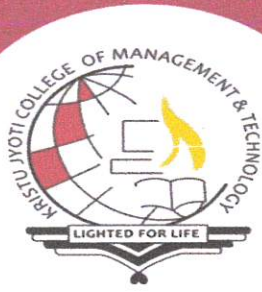
The session includes:

- NodeMCU
- 4*4 Relay Module
- DHT11 Sensor
- PIR Sensor
- Radio Frequency Identification (RFID) Sensor
- MQ3 Gas Sensor



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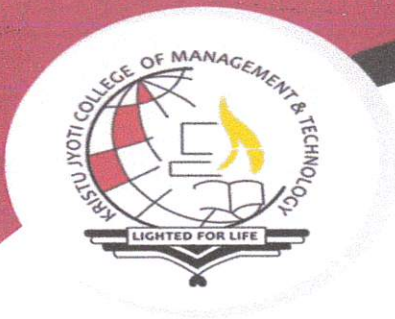
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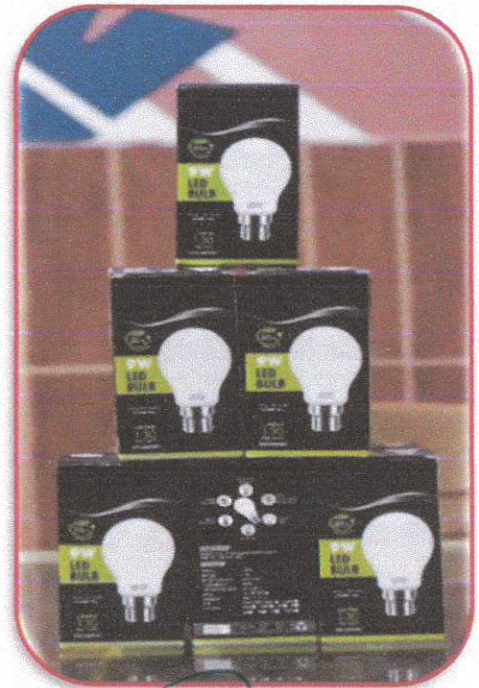


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BULB WORKSHOP

On 24 th January 2023, inovus labs IEDC conducted the LED bulb making workshop at inovus labs, kristu jyoti college of management and technology. The workshop was a success with a participation of 10 students from various departments of college. During the workshop they learned how to assemble the parts of an LED bulb and basics of soldering. We have purchased raw material of 100 LED bulbs and from that 72 bulbs are made. Rest of the pieces have been listed as malfunctioned as they were mutilated by the students during the workshop.

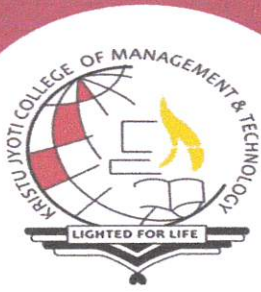


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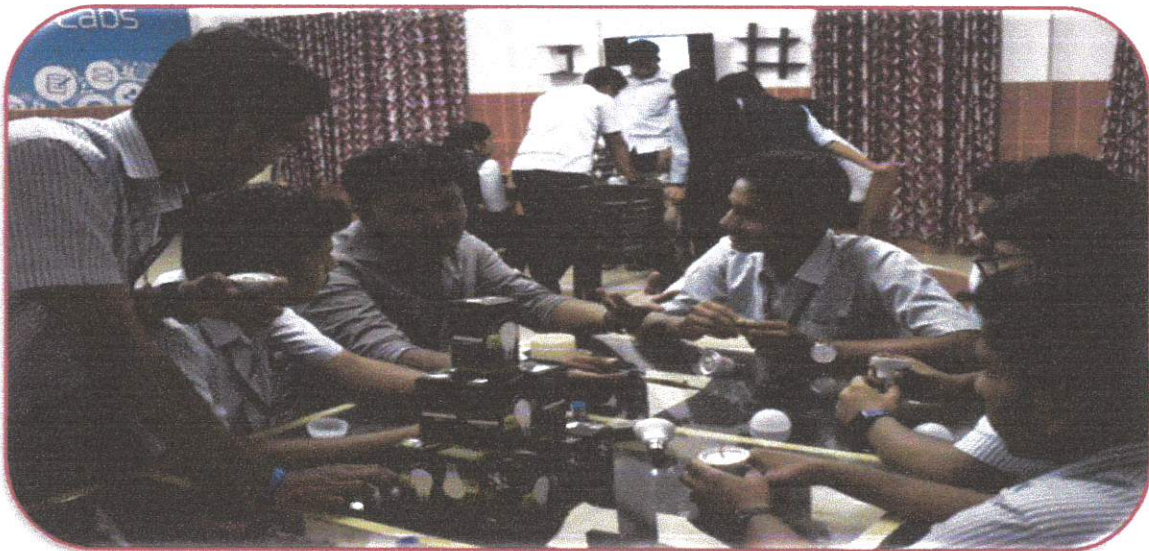
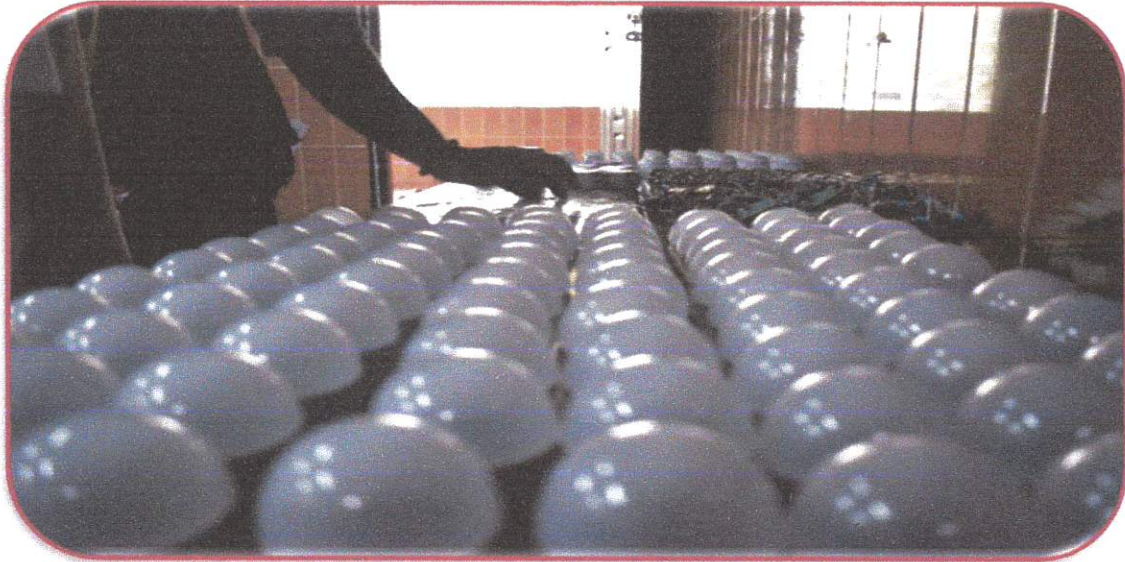
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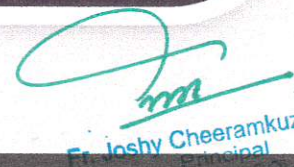
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COMMUNITY WORKSHOP

The session was taken by Arjun Krishna, the co-founder and student coordinator of Inovus Labs IEDC. Also he is the student ambassador of Microsoft Beta.





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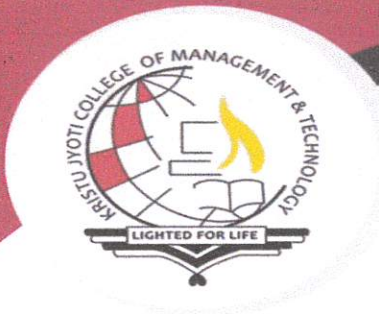
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LAUNCH ATOM-EV 2022

The project's aim was to develop an electric buggy car for the purpose of college which was initiated by students. The students started this initiative during the covid pandemic period and wanted to equip themselves with their innovative idea along with their academic skills. They also wanted to involve themselves in a community of people who have their point of thinking.

Atom Est. 2012
Kristu Jyoti College of Management and Technology

We Cordially Welcome You
All To The Launch Of

ATOM

Electric vehicle

An Initiative By The Students Of Department Of
Computer Applications

18th October 2022 11 am

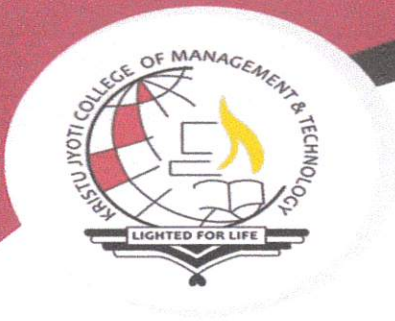
Organizing Team

Chief Patron Rev. Fr. Joshy Cheeramkuzhy CMI Principal	Advisory Board Mr. Raji Thomas Head of Department
Staff Mentor Mrs. Cina Mathew, Assistant Professor	Innovation Leads Indhuchoodan R Nikhil T Das
Technical Leads Anuraj T R Arya Rajan Aravind K Mani Sudheep Rajan	Support Anjitha Raj Annmary Joseph Shalu Shani



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The project "Buggy electric car" was started in the year 2020. The initial failures didn't discouraged the students and with the support of College management and College IEDC they kickstarted the project and completed the launch on 18th October 2022. The specification and features of the electric car is as follows:

- Motor : 2000w BLDC
- Battery : 60v 24ah Lipo battery
- Controller : 2000w controller
- Seating capacity : 6
- Development Cost : 3 Lakh
- Load Capacity : 1500kg
- Milage : 12km approx..



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Kristu Jyoti College
 Launch of Electric Vehicle
 18.10.2022 11:16 AM
 9.4.234 554856
 Audio 9m
 0.7 MB

ക്രിസ്തുജ്യോതി വിദ്യാർത്ഥികൾ നിർമ്മിച്ച ഇലക്ട്രിക് കാർ കോളജിനു സമർപ്പിച്ചു

ചങ്ങനാശ്ശേരി ക്രിസ്തുജ്യോതി കോളജിലെ 2019-22 വർഷത്തിലെ കമ്പ്യൂട്ടർ അപ്ലിക്കേഷൻ വിഭാഗത്തിലെ വിദ്യാർത്ഥികൾ നിർമ്മിച്ച ഇലക്ട്രിക് കാർ കോളജിന് പ്രിൻസിപ്പൽ ഫാ. ജോഷി ചിരായുധനും ക്രിസ്തുജ്യോതി ഗ്രൂപ്പ് ഓഫീസർ ഫാ. ഫാക്കോ ജനാർദ്ദനും ചേർന്നു കോളജിനു സമർപ്പിച്ചു. അധ്യാപകരുടെയും വിദ്യാർത്ഥികളുടെയും കഠിനാധ്വാനത്തിന്റെ ഫലമായി ഇലക്ട്രിക് കാർ നിർമ്മിതം. ഇന്ത്യയുടെ, അനുരാജ്, സൂര്യപി, അഖിലിന് ഏതാനു വിദ്യാർത്ഥികളുടെ സേതുവുമാണിത്. കാർ നിർമ്മിച്ചത്, കോളജി ഓരോ ടെക്നോളജിന്റെയും അധ്യാപകരുടെയും മറ്റു വിദ്യാർത്ഥികളുടെയും സഹായത്തോടെയാണ് ചെയ്തത്. ഇലക്ട്രിക് കാർ നിർമ്മിച്ചത്.



ചങ്ങനാശ്ശേരി ക്രിസ്തുജ്യോതി കോളജിലെ വിദ്യാർത്ഥികൾ നിർമ്മിച്ച ഇലക്ട്രിക് കാർ കോളജിന് പ്രിൻസിപ്പൽ ഫാ. ജോഷി ചിരായുധനും ക്രിസ്തുജ്യോതി ഗ്രൂപ്പ് ഓഫീസർ ഫാ. ഫാക്കോ ജനാർദ്ദനും ചേർന്നു കോളജിനു സമർപ്പിച്ചു.

The Feature of Electric car was also published in the malayalam dailies Malayala Manorama and Deepika on 19th October 2022.



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IOT AND ROBOTICS EXHIBITION

On February 3rd 2023, the fellows of Edunext community has conducted a IOT and robotics exhibition at St. Berchmans High school Changanacherry.

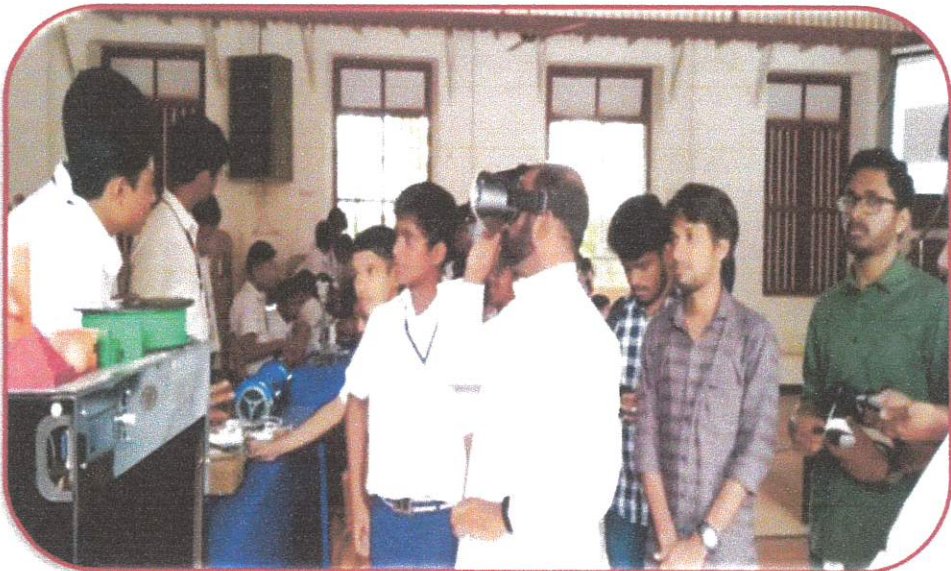


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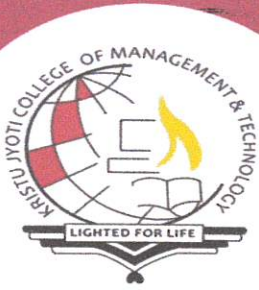
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LEARN.PY 2.0 PYTHON LEARNING PROGRAM

- Learn.py 2.0 is the second edition of Learn.py conducted in 2021 which was an initiative of Inovus Labs IEDC, Kristu Jyoti College of Management and Technology, Changanassery.
- Learn.py 2.0 is the second edition of Learn.py conducted in 2021 which was an initiative of Inovus Labs IEDC, Kristu Jyoti College of Management and Technology, Changanassery.

The poster features the logos of Inovus Labs IEDC and TinkerHub at the top. The main title 'Learn.py 2.0' is in large yellow font, with 'A Self Learning Initiative' below it. The Python logo is on the right. A list of hashtags is in the center: #Opensource_community_project, #Scribbling_tasks, #Daily_learning_resources, #Weekend_challenges, and #Django_final_project. Below that, it says 'No Teaching Sessions | Only Basic Membership | Git + Python + Django'. A yellow button says 'Dm To Register'. At the bottom, it says '*Exclusively For Kcmt Students', the website 'inovuslabs.org', and social media icons for Instagram, Twitter, LinkedIn, and Discord.

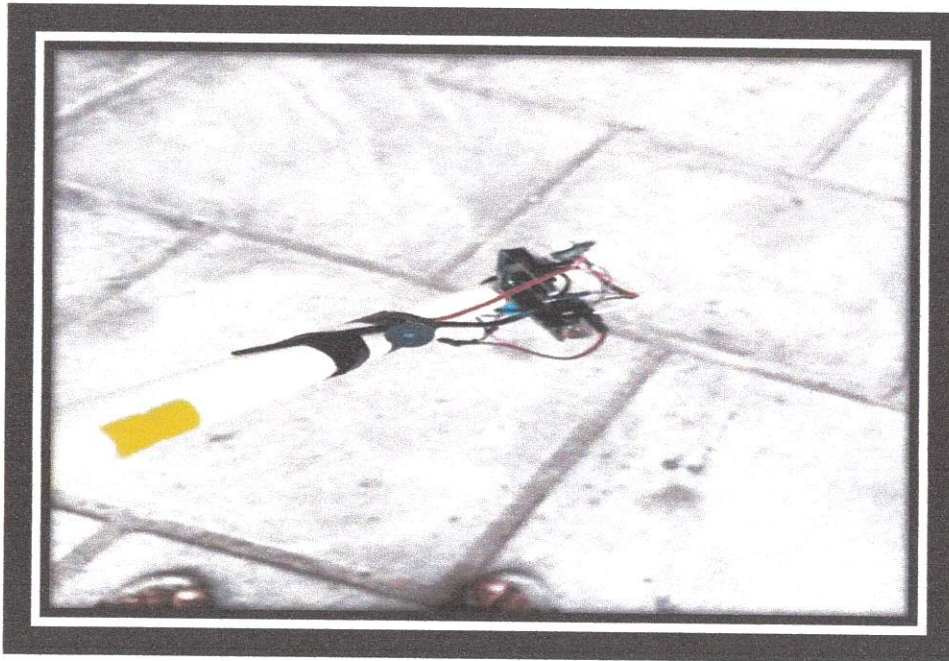




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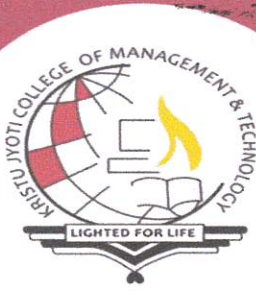
OTHER INITIATIVES OF INOVUS LABS



OBSTACLE DETECTING BLIND STICK

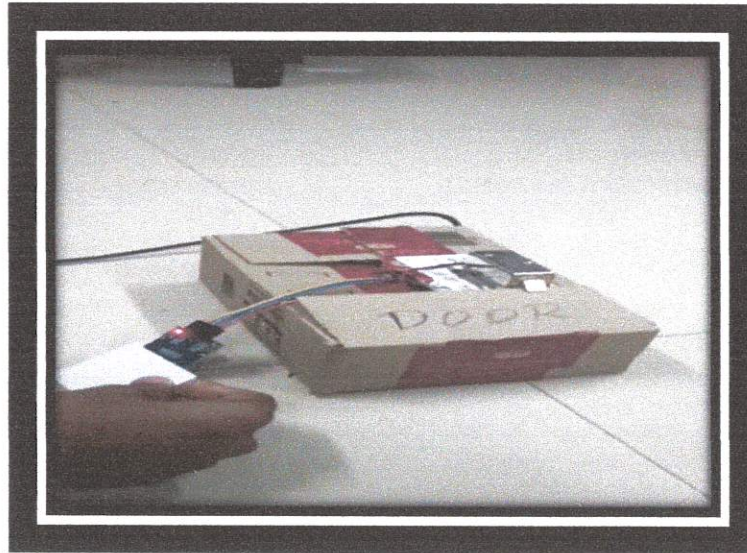



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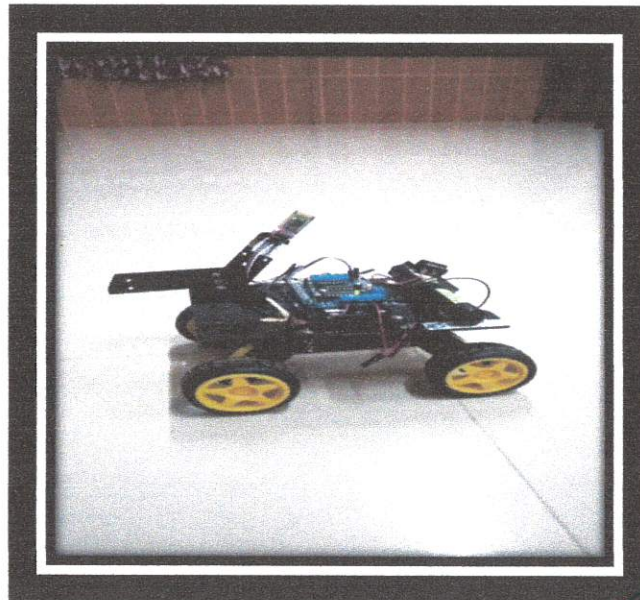


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Room Automation (RFID door lock)



Bluetooth Controlled Car



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