





















BANKURA UNNAYANI INSTITUTE OF ENGINEERING
MECHANICAL ENGINEERING DEPARTMENT

DESIGN OF A MARS ROVER/ROCKER BOGGIE ROBOT
UNDER THE GUIDANCE OF -Prof. Gmori Faruk Biswas

PARTICIPANT NAME	PROCEDURE
1. P.JHA 2. S.GHOSH 3. D.BHUNIA 4. S.MONDAL 5. J.MODAK 6. S.MAHTO 7. A.DAS 8. S.K.DEY 9. A.GHOSH 10. S.CHATTERJEE	1. FRAME ASSEMBLES. 2. FIXING OF GEARED MOTOR. 3. CONNECTING MOTOR DRIVER TO ALL MOTORS. 4. FIXING WHEELS INTO MOTOR SHAFT. 5. CONNECTING L298N & HC-05 TO ARDUINO. 6. FEED PROGRAMME INTO ARDUINO. 7. POWERING THE WHOLE CIRCUIT USING ASSIGNED BATTERY.

MATERIAL USED

1. PVC PIPE
2. DC 12V, 30 RPM GEARED MOTOR
3. RUBBER TYRE (7cm x 4cm)
4. L298N MOTOR DRIVER
5. JUMPER WIRE
6. ARDUINO MICRO CONTROLLER (ATmega128)
7. HC-05 BLUETOOTH MODULE
8. SMOKE LIGHT MODULE
9. LEAD ACID BATTERY (6V)
10. METAL PLATE

ADVANTAGE

1. MUCH CHEAPER TO SEND ROBOT INTO SPACE.
2. NOT AFFECTED BY HARSH CONDITION.
3. POTENTIAL TO EXPLORE THINGS THAT HUMAN CANNOT.



PHOTO BY: MODAK



CIRCUIT DIAGRAM













