



DAYANANDA SAGAR COLLEGE OF ENGINEERING  
DEPARTMENT OF MECHANICAL ENGINEERING

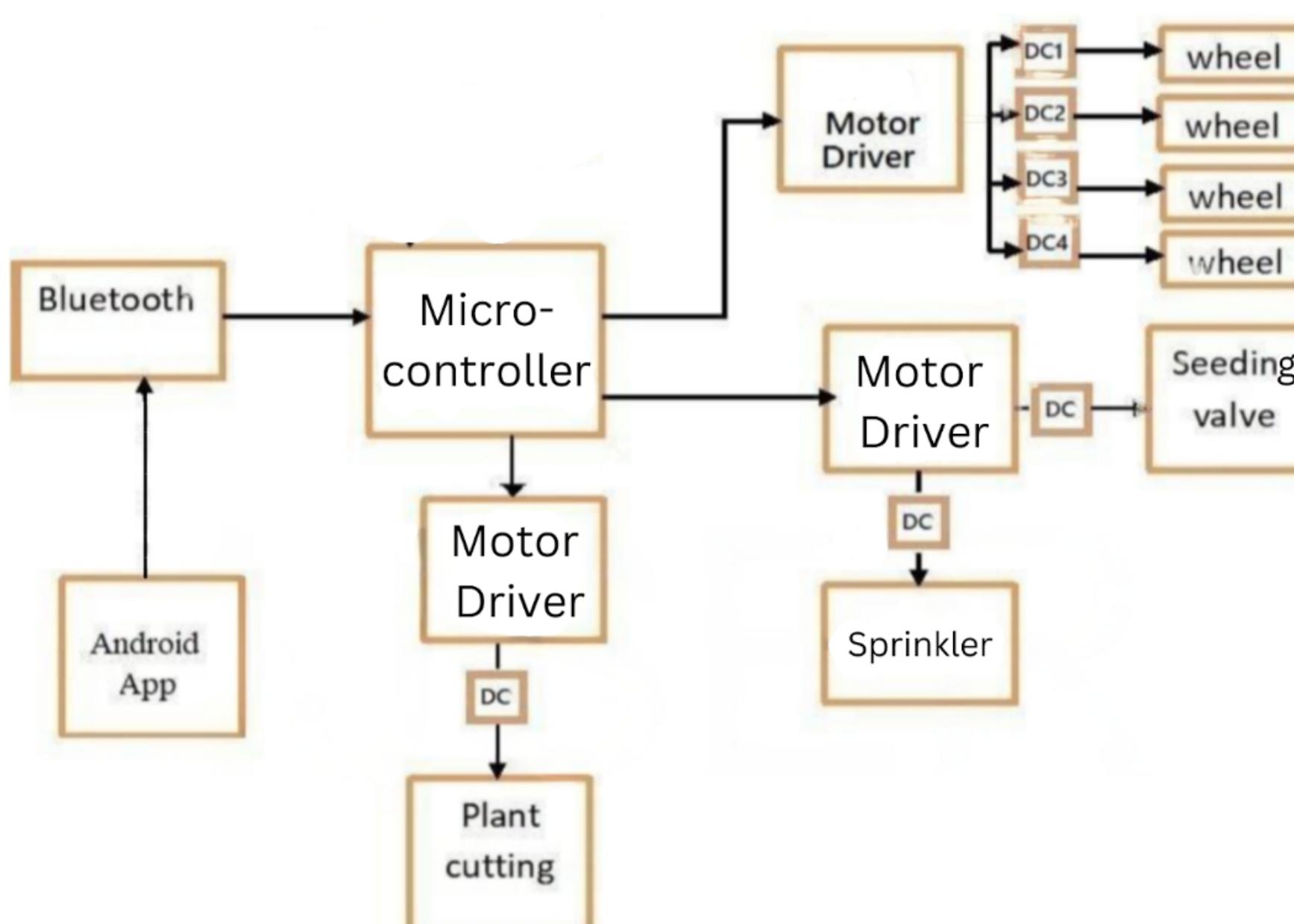
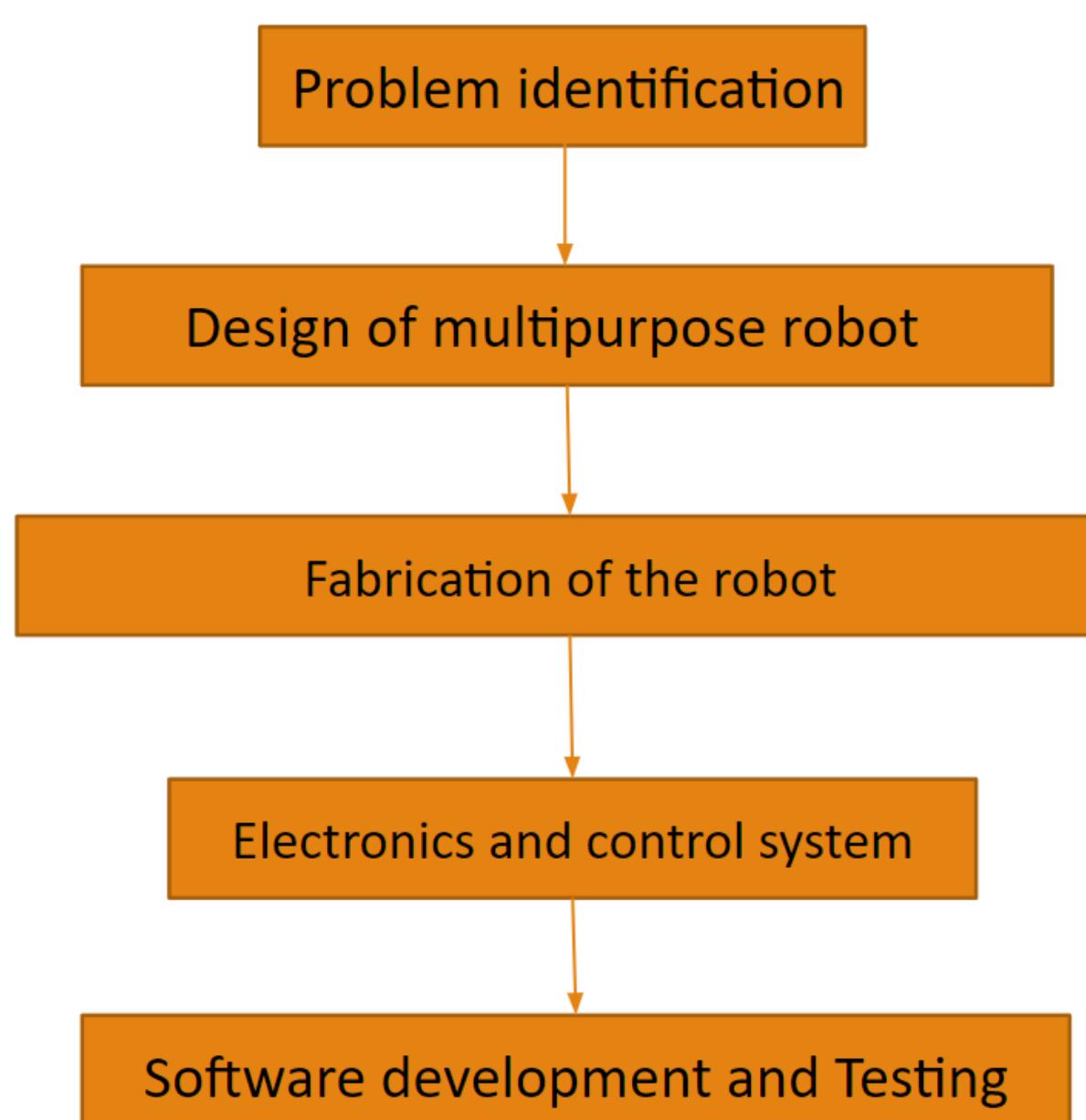
## DESIGN AND FABRICATION OF MULTIPURPOSE AGRICULTURAL ROBOT

GROUP: 46

### OBJECTIVE:

- Design and model the multipurpose agricultural robot which can perform the agricultural operation.
- To fabricate the multipurpose agricultural robot.
- To build a software so that multipurpose agricultural robot can be operated using a mobile phone.

### METHODOLOGY:



### RESULT:

The project revolutionizes farming practices by automating levelling, sprinkling, cutting, and seeding operations. Its versatility and precision optimize crop growth, resource management, and productivity. Advancements in sensing technologies and remote control enhance its performance. This prototype represents a valuable contribution to sustainable agriculture, with the potential to transform farming and ensure global food security.



| ITEM NO. | PART NUMBER           | QTY. |
|----------|-----------------------|------|
| 1        | base model side plate | 1    |
| 2        | motor                 | 4    |
| 3        | wheel left 2          | 2    |
| 4        | wheel right 2         | 2    |
| 5        | motor nut             | 5    |
| 6        | NUT BASE              | 4    |
| 7        | SEEDING MOTOR         | 1    |
| 8        | CHIP PART FUNNEL      | 1    |
| 9        | tank                  | 1    |
| 10       | motor for cutter      | 1    |
| 11       | cutter chip           | 1    |
| 12       | cutter base           | 1    |
| 13       | digging plate f       | 1    |
| 14       | levelling plate final | 1    |
| 15       | funnel                | 1    |

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