

Team Contribution

Team Member	Registration No.	Responsibilities and Contributions
Sharier Alam Shimul	22201227	<ul style="list-style-type: none"> ● Led the hardware design and integration of the system. ● Developed and assembled the solar tracking circuit with servo motor and LDR sensors. ● Conducted hardware testing and calibration for stable performance. ● Ensured project deliverables met course guidelines and submission requirements.
Salman Nur Ramim	22201239	<ul style="list-style-type: none"> ● Handled research, documentation, and coordination of the project ● Implemented sensor interfacing (soil moisture, DHT11, MQ-2, ultrasonic, rain sensor). ● Developed the control logic and automation code for irrigation and solar tracking. ● Established real-time monitoring via Blynk/ThingSpeak IoT platforms.
M. Sakib Rahman	22201240	<ul style="list-style-type: none"> ● Responsible for software development and IoT integration using ESP32. ● Prepared proposal, final report, and presentation slides following IEEE standards. ● Led in testing, result analysis, and final prototype assembly. ● Integrated power management components (solar panel, battery, charge controller, buck converter).