

# Development Activities

## Product Development

Product development is the final end goal of any research activity. Our faculty members and students are keen to understand this point and they had developed various products which will be useful to the human mankind. Table.5.8.3.a shows the list of product developed by our faculty and students in respective academic years. The various products developed were depicted in Figures

Table1. List of Product development

<b>Product Title</b>	<b>Month/ Year</b>	<b>Key person</b>
Development of robot joint	November 2021	Dr.S.Ramabalan Principal/Prof/MECH
E-Ambulance	November 2021	Dr.V.Sivaraman Prof/MECH
Development of FRP Boat	April 2022	Dr.V.Sivaraman Prof/MECH
Development of Pesticide Sprayer	March 2022	Mr.V.Manathunainathan AP/MECH
Air condition and fridge at signal compressor	March 2022	Mr.S.Harish Kirthi AP/MECH
Automatic head light dimmer	March 2022	Mr.S.Murugesh AP/MECH
Pedal Operated Hacksaw	March 2022	Dr.G.Gurumoorthi Professor/MECH
Pneumatic Operated Ratchet Brake	March 2022	Dr.S.Krishnamohan Professor/MECH
Two Stroke Mini Agriculture Machine	March 2023	Dr.G.Sundaravadivel Professor/MECH
Portable Lathe Machine	March 2023	Mr.V.Manathunainathan AP/MECH

Quick Lifting Jack with Bevel Gear Arrangement	March 2023	Dr.S.Ramabalan Professor/MECH
Automatic black board cleaner	March 2023	Mr.N.Manikandan AP/MECH
Automatic Cleaning Robot for Solar Panel	March 2023	Dr.G,Sundaravadivel Asso.Prof/MECH
Development of gear level indicator mechanism	March 2023	Mr.M.Subramaniyan AP/MECH

**FRP BOAT FOR CONTRACT HIRE**



Length = 42 feet    Breadth = 11 feet    Height = 4 feet  
நீளம் = 42அடி    அகலம் = 11அடி    உயரம் = 4அடி

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Fig.5.8.4.a FRP Boat Specification

Fig.5.8.4.b FRP BOAT interior





Fig.5.8.4.c FRP BOAT Launch

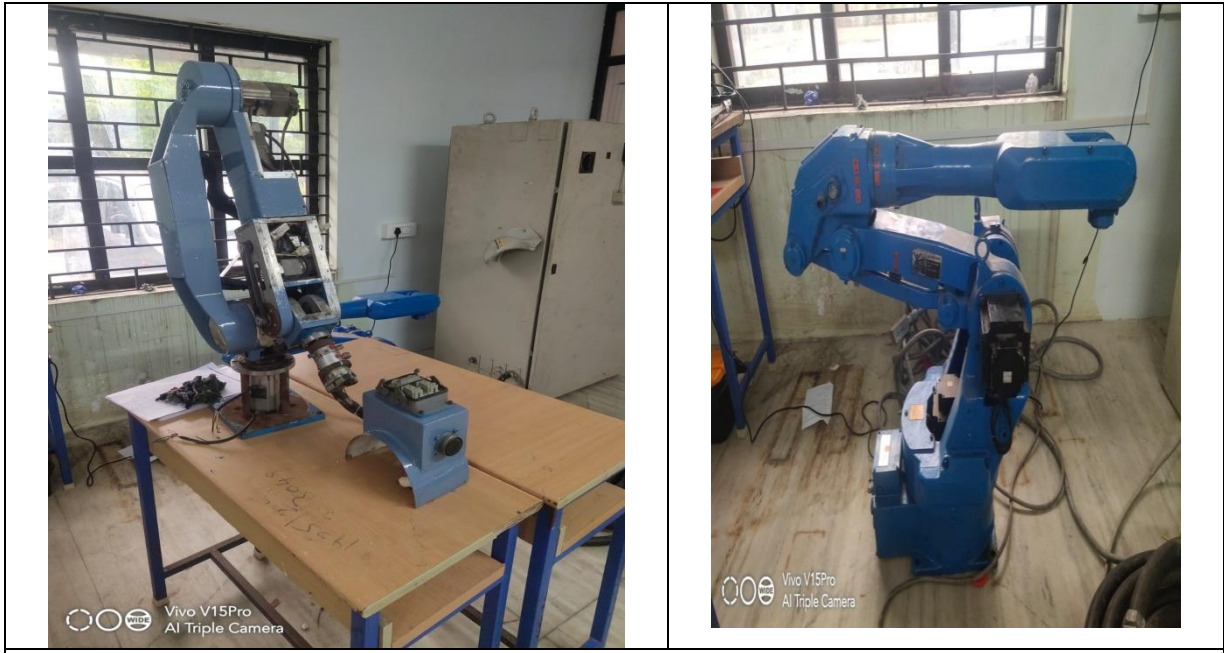


Fig.5.8.3.d Development of robot arm



Fig.5.8.3.e Air condition and fridge at signal compressor



Fig.5.8.3.f Automatic head light dimmer



Fig.5.8.3.g Paddy Transplanted Machine



Fig.5.8.3.h Development of Pesticide Sprayer



Fig.5.8.3.i Portable Lathe Machine



Fig.5.8.3.j Pedal Operated Hacksaw



Fig.5.8.3.k Pneumatic Operated Ratchet Brake



Fig.5.8.3.l Quick Lifting Jack with Bevel Gear Arrangement



Fig.5.8.3.m Automatic black board cleaner



Fig.5.8.3.n Automatic Cleaning Robot for Solar Panel

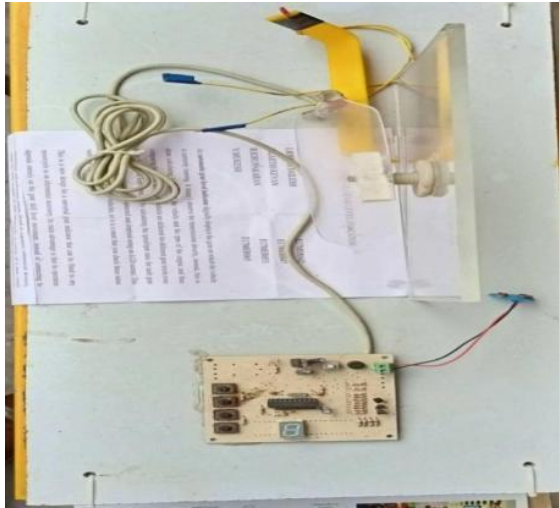


Fig.5.8.3.o Development of gear level indicator mechanism



Fig.5.8.3.p E-Ambulance