Project Name: MOTION SENSING HEXAPOD

Timeline:

Week 1:

-Study about the servos and microprocessor required

-Completion of basic solid work model

-Collect all required material

Week 2:

-Design PCB (to learn more about circuits)

-One prototype leg

Week 3:

-Modification of leg (if required)

-Give PCB for printing

Week 4:

-Complete basic hexapod

-Begin work toward motion sensing

Week 5:

-Continue the work of motion sensing

Week 6:

-Finishing touches

-Improvement of design (if required)

Requirements:

-servos, PCBs, ICs, Batteries, Acrylic board, nuts and bolts, IC holders, sensors, microprocessor, bread boards, heat sinks, capacitors, resistors, wires, etc…

Approximate expense: 6000-7000/- Rs

Things might to learn:

-Mechanism of motion sensing

-PCB designing

-Learning skill of solid works