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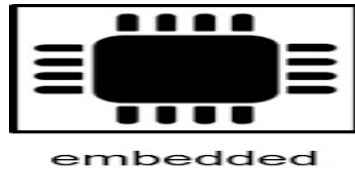
IEEE
REAL TIME PROJECTS & TRAINING GUIDE
SOFTWARE & EMBEDDED

FINAL YEAR PROJECTS

IEEE & Application Projects

BE, Diploma, BSc
M Tech, MCA, BCA

CS | Mechanical
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PROJECT TITLES FOR ACADEMIC YEAR 2018 - 2019

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Mechanical Projects

1	Automatic Page Turner
2	Design And Fabrication Of An Automatic Window Or Glass Cleaning Mechanism
3	Fabrication Of Whiteboard Cleaning Mechanism
4	Compressed Air Vehicle (CAV)
5	Fabrication Of Conveyor Belt With Automatic Pick And Place And Digital Counter
6	Design And Development Of Sugar Cane Bud Chipping Machine
7	Development Of Automatic Pneumatic Can Crusher
8	Fabrication Of Automatic Sewage Cleaning Machine
9	Fabrication Of Automatic Foot Dust Cleaning Machine
10	Fabrication Of Cement Plastering Machine
11	Fabrication Of Dual Axis Wind Turbine
12	Efficient Hybrid Power Generation Using Helical Wind Turbine And Solar Tracking System
13	Fabrication Of Pendulum Based Water Pumping System
14	Fabrication Of Pneumatic Operated Emergency Overawing Exit System In Aircrafts
15	Fabrication Of Staircase Climbing Wheel Chair
16	Fabrication Of Pneumatic Jack For Car
17	Fabrication Of Intelligent Reverse Braking System Using Pneumatics And Sensors
18	Pneumatic Can Crusher Project Idea and Design
19	Fabrication Of 3 Axis Pneumatic Trailer Lift
20	Fabrication Of IoT Based Seed Sowing Machine
21	Vehicle safety using power window mechanism
22	IOT Based Smart Geyser Automation wrt Environment Condition to Save Electricity
23	IOT - Smart Seating Management in Public Bus Transportation using IoT and Embedded system
24	IOT- Industrial Can Analyzer For Production QC
25	Dynamic Solid Waste Collection and Management
26	IOT_Airport Baggage Conveyor and Voice notification using Android Technology
27	IOT Based Underground Cable Fault Detection
28	IoT based Refrigerator, Storage room and FMCG products stock monitoring with Email alert of Purchase Order
29	IOT-Intelligent Food and Grain Storage Management System for Warehouse
30	IOT - ER Lock - Intelligent Anti-Theft Tracking and Accident Detection System for Automobiles Based on IOT
31	Development of Intelligent Power Wheelchair
32	Driverless Train Shuttle between Two Stations
33	Anti-smuggling System for Trees in Forest with Solar Power Generation
34	Car Surveillance and Driver Assistance Using Blackbox with the help of GSM and GPS Technology
35	A Multi-function Robot for Military Application
36	IOT based Delivery Boys Safety Control and Bike Analyzer – Helmet
37	Coin Based Universal Mobile Battery Charger, Purified Drinking Water with Emergency Alert System
38	Bridge Condition Monitoring System Using Wireless Network
39	Missile detection and automatic destroyer system
40	Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly
41	Automated Waste Segregator
42	Bluetooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy
43	Design of an Intelligent Combat Robot for war field
44	A Review on Design of Automated Floor Cleaning System
45	Autonomous Cleaning Robot
46	BT embedded robotic lawn mover powered by solar energy
47	Industrial Conveyor Batch Counter for Packing Automation
48	IOT - Leaf Lattice and Smart Agriculture
49	Solar powered Irrigation with auto control of pump & SMS alert
50	A_MEMS Accelerometer sensors based semi-automated rash driving
51	Rash Driving Detection And Collision(Accident) Avoidance System With Steering Controlled Headlight Mechanism Of Vehicles
52	Evidence Collection in Automotive Industry for Legal Claim
53	Application of RF Technology to Solve Traffic Signal Scheduling by Monitoring the Vehicle Intensity in the Particular Road

54	IOT Based Smart Geyser Automation wrt Environment Condition to Save Electricity
55	IOT - Smart Seating Management in Public Bus Transportation using IoT and Embedded system
AUTOMOBILE BASED PROJECT TITLES	
56	Fabrication Of Intelligent Reverse Braking System.
57	Fabrication Of Air Brake System Using Exhaust Gas.
58	Fabrication Of All Terrain Vehicles
59	Fabrication Of Compressed Air Vehicle.
60	Fabrication Of Real Time Advanced 5 In 1 Multi-Purpose Agricultural Vehicle - (Agri Vehicle)
61	Fabrication Of Regenerative Braking System - Electric
62	Fabrication Of Rotary Parking System
63	Fabrication Of Screw Jack
64	Fabrication Of Vehicle Safety Using Power Window Mechanism
65	Fabrication Of Automatic Rain Operated Wiper Hover Craft Module
66	Fabrication Of Quadcopter
67	Fabrication Of Flywheel Based Regenerative Braking System
68	Fabrication Of Automated Metro Train
69	Fabrication Of Unmanned Fighter For Army Operations
70	Fabrication Of Remote Controlled Wheel Chair Cum Bed For Physically Handicapped
71	Fabrication Of Automatic Material Handling Robot
72	Fabrication Of Auto Guided Vehicle
73	Fabrication Of Voice Controlled Wheel Chair
74	Fabrication Of Motorized Screw Jack
75	Fabrication Of Efficient Car Parking For Four Wheel
76	Fabrication Of Railway Gate Controller
77	Fabrication Of Motorized Hydraulic Jack
78	Fabrication Of Car Theft And Accident Preventer
79	Fabrication Of Electromagnetic Break
80	Fabrication Of Hybrid Vehicle
AGRICULTURAL / IRRIGATIONAL BASED PROJECT TITLES	
81	Design And Fabrication Of Sugarcane Harvester Using Saw Chain (Solar Operated)
82	Fabrication Of Advanced 5 In 1 Multi-Purpose Agricultural Robotic Vehicle (Agribot)
83	Fabrication Of Real Time Advanced 5 In 1 Multi-Purpose Agricultural Vehicle – Agri Vehicle
84	Fabrication Of Wheat Harvesting Machine
INDUSTRIAL / PRODUCTION / AUTOMATION BASED PROJECT TITLES	
85	Fabrication Of 3 In 1 Multipurpose Mechanical Machine Using Whitworth Mechanism
86	Fabrication Of Automatic PVC Pipe Cutting Machine
87	Fabrication Of Fabrication Of Automated Conveyer For Quality Control
88	Fabrication Of Automatic 2,3 Point Drill Machine
89	Fabrication Of Bottle Filling System
90	Fabrication Of Automatic Drilling And Tapping Machine
91	Fabrication Of Automatic Object Counting Machine
92	Fabrication Of Belt Conveyor
93	Fabrication Of Conveyor Belt With Automatic Pick And Place And Digital Counter
94	Fabrication Of Cement Plastering Machine
95	Fabrication Of Milling Machine
96	Fabrication Of Rotating Fork Lift
97	Fabrication Of Scrape Collecting And Dust Cleaning Machine – Remote Controlled
98	Fabrication Of Magnetic Material Collecting Trolley By Using Electromagnetic
99	Fabrication Of Remote Operated Drill Machine (Hybrid) – Solar And Wind
100	Fabrication Of Safest Saw Mill – Life Saver For Industrial Applications (Solar Operated)
101	Fabrication Of Voice Operated Elevator With Emergency Indicator
102	Fabrication Of Automatic Conveyor Belt With Pick And Place And Digital Counter
103	Fabrication Of Multi - Purpose Or 3 In 1 Mechanical Machine (Drilling, Shaping & Hacksaw)
104	Fabrication Of Pick And Place Robot With Gripper For Industrial Applications
105	Fabrication Of Line Following Robot With Fork Lift
106	Fabrication Of Automatic 2 And 3 Point Drill Machine

107	Fabrication Of Digital Counting Machine Implementing Conveyors Using Metal Detection Sensor
108	Fabrication Of Board Cleaner Mechanism Using Rack And Pinion
109	Fabrication Of Automatic Hand Wash And Soap Solution
110	Fabrication Of Portable Vegetable Cutter And Slicer
111	Fabrication Of Rotating Fork Lift
112	Fabrication Of Line Following Robot With Fork Lift
113	Fabrication Of Glass Cleaning Mechanism
114	Fabrication Of Groundnut Thruster
115	Fabrication Of Fully Automatic Chapati Making Machine
MECHATRONICS / ROBOTICS PROJECT TITLES	
116	Fabrication And Development Of Robot That Approaches Pedestrians
117	Fabrication Of Automatic Firing Based On Micro Controller 1
118	Fabrication Of Automatic Page Turner
119	Fabrication Of Automatic Window Or Glass Cleaning Robot
120	Fabrication Of Whiteboard Cleaning Mechanism
121	Fabrication Of Automatic Foot Dust Cleaning Machine
122	Fabrication Of Flex Sensor Operated Robotic Arm
123	Fabrication Of Haptic Robotic Arm (Wireless)
124	Fabrication Of Intelligent Combat Robot
125	Fabrication Of Lower Limb Powered Exoskeleton For Paraplegic People Assisting In Their Walking Augmentation Using Flex Sensor And Accelerometer
126	Fabrication Of Motorized Wheel Chair
127	Fabrication Of WSN Based Advanced Irrigation Vehicle – Agribot
128	Fabrication Of Advanced 5 In 1 Multi-Purpose Agricultural Robotic Vehicle – Agribot
129	Fabrication Of Rescuer Device For Lifting Infants Struck In Pits
130	Fabrication Of Unmanned Railway Gate Controller
131	Fabrication Of Haptic Robotic Arm (Wireless) And Camera
132	Fabrication And Development Of Data Acquisition Robot For Toxic Environmental Monitoring Using WSN – Kroto Finder
133	Fabrication Of Pick And Place Using Moving Vehicle Through Remote
134	Fabrication Of Smart Windows
135	Fabrication Of Design And Development Of Pc Controlled Small Unit Unmanned Vehicle For Today's Army
136	Fabrication Of Voice Enabled Wheel Chair
137	Fabrication Of Wall Painting Robot
138	Fabrication Of Waste Separation Using Smart Dustbin
139	Fabrication And Development Of Wheelchair Cum Stretcher
BICYCLE / PEDAL OPERATED BASED PROJECT TITLES	
140	Fabrication Of Hybrid Multi-Purpose Peddling Machine
141	Fabrication Of Pedal Operated Real Time Hacksaw Machine
142	Fabrication Of Pedal Powered Flour Mill
143	Fabrication Of Hybrid Water Pumping System Using Pedal
144	Fabrication Of Peddling Washing Machine
145	Fabrication Of Battery Operated Pedaling Bicycle
PNEUMATICS AND HYDRAULICS BASED PROJECT TITLES	
146	Fabrication Of Intelligent Reverse Braking System
147	Fabrication Of Air Brake System Using Engine Exhaust Gas
148	Fabrication Of Automated Crane Pneumatics
149	Fabrication Of Pneumatic Operated Emergency Overwing Exit System In Aircrafts
150	Fabrication Of Pneumatic Jack For Car
151	Fabrication Of Hydraulic Based Mobile Crane
152	Fabrication Of Pneumatic Can Crusher Project Idea And Design
153	Fabrication Of Pneumatic Modern Tripping With 360 Degree Rotation
154	Fabrication Of Automatic Pneumatic Ramming Machine
155	Fabrication Of Automatic Punching Machine
156	Fabrication Of Pneumatic Riveting Machine
157	Fabrication Of Automatic Pneumatic Wise And Jack
158	Design And Fabrication Of High Speed Hack Saw Machine

159	Fabrication Of Automatic Pneumatic Hammer
SOLAR AND POWER GENERATION CONCEPTS BASED PROJECT TITLES	
160	Fabrication Of Biogas Digester
161	Fabrication Of Foot Step Power Generation Mechanism
162	Fabrication Of Gym Power Generator
163	Fabrication Of Generation Of Electricity Through Speed Breaker Mechanism Using Hydraulics
164	Fabrication Of Hybrid Power Generator (Solar And Wind)
165	Fabrication Of Efficient Hybrid Power Generator And Multi-Purpose Utilization (With Solar Tracking System And Panel Cleaning Mechanism)
166	Fabrication Of Hybrid Power Generator (With Solar Tracking System)
167	Fabrication Of Harnessing Wind Energy Using Train
168	Generation Of Electricity Using A Treadmill
169	Fabrication Of Universal Power Generator : Multi Seasonal
170	Generation Of Electricity Through Speed Breaker Mechanism Using Hydraulics
171	Fabrication Of Smart Design Based Hydro Power Generator
172	Fabrication Of Domestic Wind Mill
173	Wind Power Utilization For Car Annunciator
174	Fabrication Of Push Operated Spray Pump , Mechanical Fabrication Project
175	Fabrication Of Smart Windows
176	Fabrication Of Solar Based Cutting Grinding Machine
177	Fabrication Of Solar Operated Drill Machine
178	Fabrication Of Solar Operated Grass Cutter
179	Fabrication Of Solar Operated Grinding Machine
180	Fabrication Of Solar Sprayer
181	Fabrication Of Solar Tracking System With Water Pump
DESIGN AND ANALYSIS BASED PROJECT TITLES	
182	Design Optimization Of Combustion Chamber For Turbo Engine By Using FEA
183	Static & Modal Analysis Of Composite Bracket Assembly
184	Design Optimization Of Connecting Rod For Static Loading Conditions
185	Fatigue Analysis And Design Optimization Of A Digger Arm
186	Design Optimization Of Disk Brake By Using Finite Element Analysis
187	Design Optimization Of Hypoid Gear By Using Structural Analysis
188	Design And Buckling Strength Evaluation Of A Lifting Beam For 350 Tonnes Through FEA
189	Modeling And Analysis Of A Master Cylinder
190	Modeling And Analysis Of IC Engine Piston With Composite Material
191	Design And Analysis Of A Rail Wheel Assembly Of Rail Mounted Storage Cum Resting Fixture 60t Capacity
COMPOSITE MATERIALS BASED PROJECT TITLES	
192	Mechanical Behaviour Of E-Glass Jute Natural Hybrid Composite
MECHATRONICS PROJECT LIST	
193	2_Line Follower Robot
194	6_Automatic Door Opening Using PIR Sensor
195	10_Vehicle Tracking Using GPS And GSM
196	11_Home Security And Automation Using GSM
197	12_Industrial Cooling System
198	12_A_Industrial Cooling System
199	13_Automatic Lightning And Cooling System
200	14_Sms Based Notice Board Using GSM
201	15_Rf Based Temperature And Humidity Monitoring System
202	19_Wireless Door Monitoring
203	21_A_Automatic Highway Signaling System Along With Speed Controlling
204	26_Automatic Railway Signaling System
205	31_Density Based Traffic Signal Control
206	39_Fire Sensing Robot
207	43_Remote Firing Robot
208	46_Speech Based Wheel Chair Control For Physically Challenged Person Using Android Bluetooth Technology
209	50_Toll Collection System Using RFID

210	51_Metal Detecting Robot
211	52_Pick And Place Robot
212	52_A_Rf Based Pick And Place Robot
213	53_Smart Parking System
214	54_Sms Based Irrigation System
215	54_A_Solar Powered Water Pump With SMS Alert For Irrigation System
216	62_Fire Sensing Robot With RF And Alarm
217	84_Street Light Power Saver
218	87_Seeding Agriculture Robot
219	99_Vehicle Control Under Driver Fatigue
220	100_Automatic Drunk n Drive Avoiding System
221	101_Ir Based Touch And Go Near Tollgate
222	110_Embedded Land Rover With Sensor Interface With Zigbee Technology
223	117_Intelligent Ambulance For City Traffic
224	118_A_Industrial Automation For Mobile Device Using Bluetooth Technology
225	122_Hitech Jail
226	126_Automatic Railway Gate Control Using Stepper Motor
227	126_A_Automatic Railway Gate Controller Depends On Train Speed
228	141_Automated Car Parking Using Ultrasonic Sensor
229	147_Pc Controlled Robot
230	149_Automated Parking Gate Control Using IR
231	155_Ultrasonic Based Defence Security System
232	157_Rf Based Robot Control With Temperature Alert
233	157_Rf Controlled Vehicle For Disabled People With Obstacle & Fire Detection
234	158_Ir Based Obstacle Detection Robot
235	159_Free Moving Robot With Front & Back IR Obstacle Detector173_Industrial Batch Counter For Packing Automation
236	184_Automatic Speed Breaking Systems For Vehicles
237	185_Head Movement Based Wireless Communication With Speech Alert For Paralyzed Person
238	198_Fuel Indication & Petrol Bunk Detector
239	243_Gsm Based Airport Automation
240	244_Pick & Place Robot With Fire Sensing
241	275_Zigbee_Based_Induction_Motor_Speed_Control
242	276_Gsm Based Industrial Disaster Intimation Control System (GIDICS)
243	291_Bomb Detection Robot
244	319_Renewable Energy - 12v Dc Power Generation Using Back EMF & Solar For Led Load
245	329_Coin Based Mobile Charger, Water Filling And Weight Measurement System
246	346_Automatic Dim & Dipper For Automobiles
247	377_Automatic Steering Controlled Fog Lamps
248	387_Safety Helmet For A Pilot
249	401_Heavy Vehicle Alert & Intimation System For Traffic Police Using Load Sensor Using GSM
250	437_Automatic Baby E-Cradle For Infant Care
251	443_Robust Railway Crack Detection Scheme (RRCDS) Using Led-LDR Assembly
252	453_Automated Waste Segregator
INNOVATIVE TOPICS	
253	Aero foil design and fabrication
254	Agro field clean machine
256	Areca nut harvesting machine
257	Automatic wall painting machine
258	Automatic dosa making machine
259	Automatic noodle making machine
260	Automatic hand brake release mechanism
261	Automatic dishwashing machine
262	Automatic multi way change conveyor
263	Automatic pneumatic gear changer
264	Border security vehicle
265	Bicycle Garbage Cleaner

266	Bullock cart with mechanism
267	Bicycle can crusher
268	Biodiesel performance in IC engine
269	Bore well rescue project
270	coconut dehusking machine
271	coffee bean collecting machine
272	compressed air production using suspension
273	Concept automatic car parking
274	Defense vehicle
275	Electric Cycle Centre Stand
276	Electric Wheel Chair
277	Electromagnetic braking system
278	Electromagnetic Embossing Machine
279	Medical Dispenser
280	Foot Step Operated Power Generation
281	Fabrication of Elevator conveyor
282	Fabrication of Pneumatic press
283	Fabrication of thresher machine
284	Garbage cleaning machine
285	Gear Less Power Transmission With Scotch Yoke Mechanism
286	Go Cart Car
287	Glass cleaning machine
288	Ground Nut Harvesting Machine
289	Hydro cross turbine power generation
290	Hydraulic press machine
291	Hydraulic Jack
292	Intelligence border gun fighter vehicle
293	Intellectual braking system with adoptive head lamp
294	Mechanical Waste Collecting Machine
295	Multi Utility Tools Machine
296	Medic kit transfer by using drone
297	MAIZE disposure machine
298	Mechanical can crusher
299	Mini milling machine
300	Motor Bike Turbocharger
301	Multi nut removing tool
302	Multi Way Adjustable Conveyor
303	Multipurpose vehicle
304	Pedal Operated Washing Machine
305	Phongamia Decorticator Machine
306	pneumatic bumper
307	power generation through wheels
308	Power generation using speed breakers
309	paper cutting machine using Geneva mechanism
310	Pedal operated hack saw machine
311	Pipe detection robot
312	Plant cutting machine
313	pneumatic press machine
314	Pneumatic braking system
315	Power generation through suspension system
316	Remote controlled grass cutting robot
317	Reverse braking system with adoptive head lamp
318	River garbage cleaning machine
319	Solar Grass Cutter With Pesticide Sprayer
320	Solar Pesticide Sprayer Vehicle
321	Solar powered Bicycle

322	Solar tracking system (single axis)
323	Solar tracking system (Dual axis)
324	solar water pumping system
325	Solar Pesticide Sprayer Vehicle
326	step climbing robot with arm mechanism
327	solar powered ground nut harvester
328	Sugar cane harvesting machine
329	Suspension Characteristics Measuring Expel Set Up
330	swing power generation
331	Segway vehicle
332	solar powered drilling machine
333	solar powered grinding machine
334	Spider mechanism
335	Thermal Conductivity Of Various Material
336	Turbocharger
337	Vegetable and fruit dust cleaning machine
338	Wheel Driven Pesticide Sprayer
339	Wood pasting machine
340	Wood pyrolysis expt set up
341	360 degree turning vehicle



IGEEKS Technologies

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Head Office:

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Igeeks Technologies
(Malleswaram)

★★★★★

Excellent	78.9 %
Very Good	10.5 %
Good	10.6 %
Average	0 %
Poor	0 %

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More than 12 years' experience in IEEE Final Year Project Center, IGEEKS Technologies Supports you in Java, IOT, Python, Bigdata Hadoop, Machine Learning, Data Mining, Networking, Embedded, VLSI, MATLAB, Power Electronics, Power System Technologies.

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