

INSTRUMENTATION STUDENTS AND TECHNOCRAT ASSOCIATION (INSAT-A)2022-2023

PROJECT REPORTS

	Project Name	Academic Year	Area1	Area2
1	Design and Development of Robotic Arm	2015	robotic	
2	Automatic Water Distribution and theft identification system using plc	2015	plc	
3	Coin Based mobile charging using solar	2014	microcontroller	
4	simulation of ECG signal in digitak signal processor	2015	matlab	labview
5	cellphone based remote controller for water pump	2015	plc	
6	appliances control on speech recognition	2015	microcontrollr	
7	automatic railway railway level crossing gate control with annunciator system using plc	2015	plc	
8	gas leakage detection using microcontroller and gsm	2015	microcontroller	
9	powerline based industrial automation	2015	plc	
10	dam automation	2015	plc	
11	powder mixing using plc and scada	2015	plc	scada
12	relay cordination in power distribution using plc	2015	plc	
13	plc based juice making reactor	2015	plc	
14	tempreture control loop using plc	2015	plc	
15	automation in chemical industry	2015	plc	
16	computatational study of action potential using neuron software	2015	labview	matlab
17	automatic pnematic can crushing machine by using plc program	2015	plc	
18	coin operated washing machine based on plc and scada	2015	plc	scada
19	implentation of musical equipment using labview and TMS320C6713 DSK	2015	labview	
20	wireless power transmission using microcontropller	2015	microcontroller	
21	hybride power plant	2015	plc	microcontroller
22	street light contro by vehical detection	2015	plc	
23	monitoring and controlong the flow of oxygen cylinder for human	2015	labview	matlab
24	microcontroller based wireless gripper action control using robot	2015	microcontroller	
25	VLSI based advanced home security system	2015	plc	
26	remote instrumentation control and monitoring based on labview ana sms	2015	labview	
27	simulation and result of automatic rationing for public distribution system	2015	plc	
28	temprature control using pid controller	2015	plc	
29	temorature control of heat exchanger using plc	2019	plc	
30	automated cotton industry using iot	2019	IOT	
31	hydroponic automation using labview	2019	labview	
32	wirelees telemetry pipeline leakage detection system	2019	microcontroller	

33	lift automtion and material sorting	2019	plc	
34	design of microcontroller based sustainable irrigation system using gsm	2019	microcontroller	
35	automatic crop cutting machine	2019	plc	
36	boiler automation using plc	2019	plc	
37	crop monotoring using open plc and deep learning	2019	plc	
38	water management system for apartment	2019	plc	
39	iot based patient monitoring system	2019	IOT	
40	water bath tempratire control system using fuzzy logic	2019	PLC	microcontroller
41	plc based industrial iffluent tretment plant	2019	PLC	
42	speed control of dc motor using fuzzy logic controller	2019	PLC	microcontroller
43	long ranf spy robot with obstacle detection	2019	microcontroller	
44	automatic bottel filling system using plc	2019	plc	
45	fuzzy based control using labview for industrial temprature system	2019	plc	microcontroller
46	valet parking system	2019	plc	
47	control atrificial arm using umg analysis	2019	microcontroller	
48	design and development of pick and place robotics arm using plc	2019	plc	
49	logic based machine learning control of industrial heating process	2019	plc	microcontroller
50	making of automatic guided vehicle	2018	plc	
51	plc based sequential batch process contro system	2018	plc	
52	monitoring and controlling of environmental parameters of polyhouse based on labview	2018	labview	
53	gsm/gps enable person tracking system	2018	microcontroller	
54	hospitalise patient monitoring alarm system	2018	labview	
55	automatic damage product seperation using digitlal image processing and matlab	2018	matlab	plc
56	automatoc object detecting and stamping using plc	2018	plc	
57	garbage monitoring system using zigbee	2018	microcontroller	
58	finger print voating system	2018	microcontroller	
59	fruit assessment and sorting	2018	plc	
60	splar tracking system using aurdino	2018	aurdino	
61	smart mobility system for physically handicap using labview	2018	labview	
62	coal mine protection system	2018	plc	
63	ball shaped robot to inspect nuclear power plant	2018	plc	
64	plc based railway track crack detction system	2018	plc	
65	automatic object detecting and stamping using plc	2018	plc	
66	ultrasonic sensor based 3d mapping using matlab	2018	matlab	
67	solar tracking system using arduino	2018	aurdino	
68	automatic car washing system using plc	2018	plc	
69	filterless design for air pollution control	2018	plc	

70	design of microcontrolller based development board and interface prepaid energy meter w	2018	microcontroller	
71	automatic box packing system using plc	2018	plc	
72	programmable energy meter with bill estimatipon	2018	microcontroller	plc
73	process control in multiple evaporator plant	2017	plc	
74	banking security system using labview	2017	labview	
75	fault detection in railway track using arduino	2017	arduno	
76	automatic digital blood pressure measurment	2017	labview	
77	automatic of cleaning in place process in industry using plc	2017	plc	
78	fire rescue system in railway using arduino	2017	arduno	
79	magnetic levitation control system in labview	2017	labview	
80	automatic water level indicator and control in lift irrigation scheme	2017	plc	microcontroller
81	plc based electro pneumatic pick and place lifter	2017	plc	
82	automated agriculture using plc	2017	plc	
83	automatic agriculture using plc	2017	plc	
84	vacuum tank automation using plc	2017	plc	
85	auto pilot security system railway gate control using labview	2017	labview	
86	vibration mesurment using labview	2017	labview	
87	controllers for interfacing system	2017	microcontroller	
88	speed control of dc motor using sliding mode control	2016	plc	microcontroller
89	radiation survey meter	2016	microcontroller	
90	fractional order pid controller for level control of spherical tank	2016	plc	
91	fractional order controller for speed control of dc motor	2016	plc	microcontroller
92	design and implementation of imc based pid controller for cstr temperature control	2016	plc	microcontroller
93	industrial pollution monitoring monitoring system using labview	2016	labview	
94	a three phase induction motor speed controller by using spwm inverter	2016	microcontroller	plc
95	multi sensor security system using labview	2016	labview	
96	underground cable fault distance locator	2016	plc	
97	upgrade wired plc to wireless plc	2016	plc	
98	temperature control of server room using wireless technology	2016	microcontroller	plc
99	plc based object sorting using image processing	2016	plc	
100	speed control of dc motor using fpga	2016	plc	microcontroller
101	DIP based pick and place robotic arm	2012	robotic	DIP
102	instrumentation for reactor	2012	microcontroller	
103	robot control in mines	2012	microcontroller	
104	E-SETU	2012	software	
105	water treatment using plc	2012	plc	
106	An efficient enegyency helth care system	2012	biomedical	

107	media application in cloud computing	2012	cloud computing	
108	preogram generator	2012	software	
109	data based monitoring tool	2012	software	
110	traffic management system	2012	microcontroller	
111	ensuring data storsge security in cloud computing	2012	cloud computing	
112	gui builder for java application	2012	SOFTWARE	
113	system tuner	2012	software	
114	automation in plant industry	2012	PLC	
115	intelligent industrial fault detector	2012	microntroller	
116	automatic railway gate control and track switching	2012	microntroller	
117	home automation over internate	2012	microntroller	
118	smart vehicle identification system	2012	microcontroller	
119	solar tracking using gps and gsm	2012	microntroller	IOT
120	industrial security system	2012	plc	
121	building automation	2012	plc	labview
122	RFD and gsm based intelligent courier system	2012	microntroller	
123	remote desktop and network client control	2012	software	
124	internet based wireless DAS	2012	plc	
125	helth monitoring system of DAM	2012	microntroller	
126	Automation and Food Industry	2012	plc	
127	home automation over internet	2012	plc	
128	Automatic Distribution System in Industry	2012	plc	
129	Remote Health Monitoring System for Soldiers using Labview	2012	Labview	
130	Fertigation using GSM Modem	2012	microcontroller	
131	Automation in city water distribution	2012	microcontroller	
132	computatational study of action potential using neuron software	2015	software	
133	Poultry Field Automation Using Labview	2013	Labview	
134	Automatic Toll Tax	2013	microcontroller	
135	Automatic Powder Coating using plc	2013	plc	
136	College Utility Payment System using smart card	2013	microcontroller	
137	Automatic Bank Security System using plc	2013	plc	
138	Design,Fabrication and automation of a Chemical vapour Deposition System	2013	plc	
139	Automation of Weather Station in Agriculture Field	2013	Labview	
140	Automation of Substation	2013	plc	
141	Wireless Pollution Monitoring System	2013	microcontroller	
142	Automation in Thermal Power plant using plc	2013	plc	
143	Design and Implement 3D led cube to display Letters in 3D	2014	microcontroller	

144	Wireless Billing System for Malls	2014	microcontroller	
145	Path planning for blind people using ultrasonic sensor based on microcontroller	2014	microcontroller	
146	Microcontroller based ph monitoring system	2014	microcontroller	
147	Dairy Automation using plc	2014	plc	
148	Automatic Car washing system using Microcontroller and ETP	2014	microcontroller	
149	Water Supply to Town Using plc	2014	plc	
150	Wireless Smart street Lamp System Using Xbee	2013	microcontroller	
151	rfid based library management system	2014	microcontroller	
152	faculty class alert using GSM	2014	microcontroller	
153	wireless body area network	2014	microcontroller	
154	Automatic Product Handling and Identification with Sorting using Labview	2014	labview	
155	Alcohol consumed driver detection system for safety of bus and car	2014	microcontroller	
156	Coverage control of Autonomous Robot	2013	microcontroller	
157	Automation in Drip Irrigation using microcontroller	2014	microcontroller	
158	simulation of ECG signal in digitak signal processor	2014	Matlab	
159	Pump Automation in Farm	2014	microcontroller	
160	Bus Driver Guideline system using microcontroller	2014	microcontroller	
161	Image Enhancing by Digital Image Processing	2005	Digital Image Processing	
162	Multistore Automatic car parking	2005	microcontroller	
163	Research lab Automation using labview	2013	labview	
164	Alcohol generation plant	2005	microcontroller	
165	Microcontroller based Electronic PID controller	2005	microcontroller	
166	Industrial load Management using plc	2013	plc	
167	A Finger Plethysmograph to measure blood resistivity using labview	2013	labview	
168	microcontroller based propeller display	2013	microcontroller	
169	mall automation using plc	2013	plc	
170	IVRS for industrial control	2013	microcontroller	
171	automatic bank security system using plc	2013	plc	
172	wireless based patient monitoring	2013	microcontroller	
173	universal shopping for malls	2013	software	
174	automated data attunution using wireless network with autopower cut off system	2013	plc	
175	automation for main bore SPM	2013	plc	
176	missile detection using ultrasonic means	2013	microcontroller	
177	automatic irrigation system using plc	2013	plc	
178	design frabrication and automation of a chemical vapour	2013	plc	
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