INSTRUMENTATION STUDENTS AND TECHNOCRAT ASSOCIATION (INSAT-A)2022-2023 PROJECT REPORTS Area1 Project Name Academic Year Area2 1 Design and Development of Robotic Arm 2015 robotic 2 Automatic Water Distribution and theft identification system using plc 2015 ola 3 2014 microcontroller Coin Based mobile charging using solar 4 simulation of ECG signal in digitak signal processor 2015 matlab labview 5 cellphone based remote controller for water pump 2015 ola 6 appliances control on speech recognition 2015 microcontrollr 7 automatic raiway railway level crossing gate control with annunciator system using plc 2015 ola gas leakage detection using microcontroller and gsm 2015 8 microcontroller 9 2015 powerline based industrial automation ola 10 plc dam automation 2015 ola 11 powder mixing using plc and scada 2015 scada plc 12 relay cordination in power distribution using plc 2015 2015 plc 13 plc based juice making reactor 14 tempreture control loop using plc 2015 ola ola 15 automation in chemical industry 2015 16 computatational study of action potential using neuron software 2015 labview matlab plc 17 automatic pnematic can crushing machine by using plc program 2015 ola 18 coin operated washing machine based on plc and scada 2015 scada 19 implentation of musical equipment using labyiew and TMS320C6713 DSK 2015 labview 20 2015 wireless power transmission using microcontropller microcontroller 21 2015 plc hybride power plant microcontroller street light contro by vehical detection 22 2015 plc monitoring and controlong the flow of oxygen cylinder for human 2015 labview 23 matlab 24 microcontroller based wireless gripper action control using robot 2015 microcontroller 25 VLSI based advanced home security system 2015 ola remote instrumentation control and monitoring based on labview ana sms 26 2015 labview 27 simulation and result of automatic rationing for public distribution system 2015 plc 28 temprature control using pid controller 2015 plc ola 29 temorature control of heat exchanger using plc 2019 liot 30 automated cotton industry using iot 2019 31 hydroponic automation using labview 2019 labview

2019

microcontroller

32

wirelees telemetry pipeline leakage detection system

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 contrrol 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	

71 automatic box packing system using pic 72 programmable energy meter with bill estimatipon 73 process control in multiple evaporator plant 74 banking security system using labview 75 faut detection in railway track using arduino 76 automatic of claning in place process in industry using pic 77 automatic of claning in place process in industry using pic 78 fifer rescue system in railway using arduino 79 automatic of claning in place process in industry using pic 79 magnetic levitation control system in labview 80 automatic water level indicator and control in lift irrigation scheme 81 pic based electro pneumatic pick and place lifter 82 automatic water level indicator and control in lift irrigation scheme 83 automatic water level indicator and control in lift irrigation scheme 84 vacuum tank automation using pic 85 automatic agriculture using pic 86 vibration meurinatic pick and place lifter 87 controller pic 88 automatic signiculture using pic 89 automatic using pic 80 automatic signiculture using pic 80 automatic using pic 81 automatic using pic 82 automatic using pic 83 automatic using pic 84 vacuum tank automation using pic 85 auto pilot security system railway gate control using labview 86 vibration mesurment using labview 87 controllers for interfacing system 88 peed control of de motor using siding mode control 89 raidation survey meter 80 automatic using	70	design of microcontrolller based development board and interface prepaid energy meter w	2018	microcontroller	
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Part	72	programmable energy meter with bill estimatipon	2018	microcontroller	plc
fault detection in railway track using arduino 2017 aurdino 2017 labview 2017 plc 2017 plc 2017 plc 2017 aurdino 2017 aurdino 2017 plc 2017 plc 2017 plc 2017 labview 2017 plc 2018 automatic vater level indicator and control in lift irrigation scheme 2017 plc	73	process control in multiple evaporator plant	2017	plc	
To automatic digital blood pressure measurment 2017 labview	74	banking security system using labview	2017	labview	
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fire rescue system in railway using arduino 79 magnetic levitation control system in labview 80 automatic water level indicator and control in lift irrigation scheme 81 plc based electro pneumatic pick and place lifter 82 automated agriculture using plc 83 automatic agriculture using plc 84 vacuum tank automation using plc 85 auto pilot security system railway gate control using labview 86 vibration mesument using labview 87 controllers for interfacing system 88 speed control of de motor using silding mode control 89 radiation survey meter 90 fractional order pid controller for seved control of de motor 91 de microcontroller 92 design and implementation of im based pid controller of str temperature control 93 industrial pollution monitoring monitoring system using labview 94 a three phase induction motor speed controller by using spwm inverter 95 multi sensor security system using labview 96 underground cable fault distance locator 97 uggrade wired plc to wireless plc 98 temperature control of sensor room using wireless technology 99 plc based object sorting using image processing 100 plc microcontroller 101 plc microcontroller 102 plc microcontroller 103 plc microcontroller 104 plc 105 instrumentation of immines 105 plc microcontroller 106 plc 107 plc 108 plc 108 plc 109 plc 100 plc 100 plc 100 plc 100 plc 101 plc 102 plc 103 plc 104 plc 105 plc 106 plc 107 plc 108 plc 109 plc 100 plc 100 plc 100 plc 100 plc 101 plc 102 plc microcontroller 103 plc 104 plc 105 plc 106 plc 107 plc 107 plc 108 plc 108 plc 109 plc 100 plc 100 plc 101 plc based object sorting using image processing 101 plc based object sorting using image processing 102 plc based object sorting using image processing 103 plc based object sorting using image processing 104 E-SETU 105 water treatment using plc	76	automatic digital blood pressure measurment	2017	labview	
magnetic levitation control system in labview 2017 labview 2017 labview 2017 plc microcontroller 2017 plc microcontroller 2017 plc 2017	77	automatic of cleaning in place process in industry using plc	2017	plc	
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106 An efficient energency helth care system 2012 biomedical	105	water treatment using plc	2012	plc	
	106	An efficient energency 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	inteligent 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 genration 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 frabication and automation of a chemical vapour	2013	plc
179			