



PRATHYUSHA ENGINEERING COLLEGE

1.2.2.1.b List of Add on /Certificate programs. Summary sheet report of each program year wise along with their outcome .

ADD ON /CERTIFICATE PROGRAM	ACADEMIC YEAR	NAME OF THE PROGRAMME	DURATION (IN HRS)	NUMBER OF STUDENTS ENROLLED	NO OF STUDENTS CERTIFIED	NO OF PROJECTS DONE	NO PF PUBLICATIONS IN CONFERENCE/JOURNALS	NO OF PATENTS/STAR TUPS
ADD ON COURSE	2017-18	APPLICATION OF BIOINFORMATICS TOOLS LEVEL-I	30HRS	32	24	-	-	-
ADD ON COURSE	2018-19	APPLICATION OF BIOINFORMATICS TOOLS LEVEL-II	30HRS	32	24	-	-	-
ADD ON COURSE	2019-20	APPLICATION OF BIOINFORMATICS TOOLS LEVEL-II	30HRS	32	24	-	-	-



PRAATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF BIOTECHNOLOGY

PEC/NAAC/2020/DEPT/BIOTECHNOLOGY

1.2.2.1.c Name of the add on certificate programme with 30 or more contact hours [last 5 years]

NO. OF ADD ON PROGRAMS

S.No.	Academic Year	Name of the ADD ON CERTIFICATE PROGRAMME	Number of hours
1	2017-18	APPLICATION OF BIOINFORMATICS TOOLS-LEVEL-I	30
2	2018-19	APPLICATION OF BIOINFORMATICS TOOLS-LEVEL-II	30
3	2019-20	APPLICATION OF BIOINFORMATICS TOOLS-LEVEL-III	30



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF CIVIL ENGINEERING

PEC/NAAC/2020/CIVIL

1.2.2.1. b. List of Add on/ Certificate Programs (last 5 years) Summary report on each program Year- wise along with the specific Outcome.

DETAILS OF PROGRAMS

S.No.	Add On/ Certificate Program	Academic Year	Name of the Program	Duration (Hrs)	No of Students Enrolled	No of Students Cerrtified	No of Projects done	No of Publicatio ns in Conferen ce/ Journal	No of patents/ Startups
1	Add on	2016-17	Structural Analysis and Design Concepts using STADD PRO	40	41	41	1	--	--
	Add on		Total Station & GPS	35	38	38	--	--	--
2	Certificate	2017-18	Structural Design Course-GMD	4 weeks-100Hrs	17	17	1	--	--
	Add on		Total Station & GPS-Survey Club	35	41	41	1	--	--
3	Certificate	2018-19	Structural Design Course-GMD	4 weeks-100Hrs	23	23	2	--	--
	Add on		Total Station & GPS-Survey Club	35	15	15	1	--	--
4	Certificate	2019-2020	Structural Design Course-GMD	4 weeks-100Hrs	10	10	2	--	--
	Add on		Total Station & GPS-Survey Club	35	12	12	1	--	--

Enclosure:

1. List of students who have done Miniprojects/ Projects
2. List of students who have published papers in Conferences/Journals/Symposia
3. List of students who have filed patents/startups

1. MINIPROJECTS/ PROJECTS EXECUTED

Name of the Certificate Programme : **Structural Analysis and Design Concepts using STADD PRO**

Duration : **40 hrs**

Academic Year : **2016-17**

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111413103012	Boobalan.D	Analysis and Design of Multistory Residential Building	STADD PRO	Mr.K.Muthukumar
111413103024	Halic. A			
111413103049	Murugan.V			

Name of the Certificate Programme : **Structural Design Course - GMD Civil Solutions**

Duration : **4 Weeks – 100 Hrs**

Academic Year : **2017-18**

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111414103301	V.Alexpandian	Analysis and Design of Multistory Residential Building	Structures	Ms.P.Sarala
111414103035	Jaikumar.V			
111414103047	Madhankumar.S			

Name of the Certificate Programme : Total Station & GPS- Survey Club

Duration : 35 Hrs

Academic Year : 2017-18

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111415103001	Abishek	Measurement of PEC Ground Elevations using Total station	Total Station	Mr.S.Karuppasamy
111415103009	Arunkumar.V			

Name of the Certificate Programme : Structural Design Course - GMD Civil Solution

Duration : 4 Weeks – 100 Hrs

Academic Year :2018-19

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111415103046	Nithya.T	Study of Silt plus 4 Residential Building	Structures	Mr. S.Karuppasamy
111415103049	Prabandha.M.B.H			
111415103047	Nomaleeshwari	Analysis and design of Residential Building	Structures	Mr.S.Karuppasamy
111415103054	Rajeshwari			

Name of the Certificate Programme : Total Station & GPS- Survey Club

Duration : 35 Hrs

Academic Year : 2018-19

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111416103019	Prasanth.K	Measurement of Ground Levels using Total station	GIS	Mr.S.Karuppasamy
111416103011	Hariharan.D			

Name of the Certificate Programme : Structural Design Course - GMD Civil Solution

Duration : 4 Weeks – 100 Hrs

Academic Year :2019-20

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111416103007	Edison.M	Earthquake Analysis and Design of Bulding	Structures	Ms.S.Vallabhy
111416103017	Saigowtham			
111416103004	Dinesh.M	Analysis and design of Multi Residential Building	Structures	Ms.S.Vallabhy
111416103016	Priyangan.B			



PRATHYUSHA ENGINEERING COLLEGE

Name of the Certificate Programme : Total Station & GPS- Survey Club

Duration : 35 Hrs

Academic Year : 2019-20

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111417103014	Prasanth.S	Measurement of Ground Levels using Total station	Total Station	Mr.S.Karuppasamy
1114161030008	Karthickaran			



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF CIVIL ENGINEERING

PEC/NAAC/2020/CIVIL

1.2.2.1.c Names of the Add on /Certificate programs with 30 or more contact hours [last 5 years]

S.No.	Add On/ Certificate Program	Academic Year	Name of the Program	Duration(Hrs)
1	2	2016-17	Structural Analysis and Design Concepts using STADD PRO	40
			Total Station & GPS	35
2	2	2017-18	Structural Design Course	4 weeks- 100Hrs
			Total Station & GPS- Survey Club	35
3	2	2018-19	Structural Design Course	4 weeks- 100Hrs
			Total Station & GPS- Survey Club	35
4	2	2019-20	Structural Design Course	4 weeks- 100Hrs
			Total Station & GPS- Survey Club	35

HOD/Civil



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1.2.2.1 b List of Add on /Certificate programs. Summary report of each program year-wise along with their outcome.

S. No.	Add On/ Certificate Program	Academic Year	Name Of The Program	Duration (Hrs)	No. Of Students Enrolled	No. Of Students Certified	No. of Projects done	No. of Publications in Conferences / Journals	No. of Patents/ Startups
1	Certificate Programme	2015-16	Computational Intelligence with data Analytics	32	32	32	-	-	-
2	Add-On Course		Internet of Things	32	28	28	2	-	-
3	Certificate Programme	2016-17	Basic Software Foundation Programme (For II Years)	50	84	84	-	-	-
4	Certificate Programme		Advanced Training – IBM (For IV Years)	50	28	28	2	-	-
5	Add-On Course	2017-18	Xamarin	32	23	23	2	2	-
6	Certificate Programme		Basic Software Foundation Course For II Years	50	100	100	-	-	-
7	Add-On Course		Networking Technologies	30	26	26	-	-	-
8	Certificate Programme		Salesforce- Learnathon	40	24	24	-	-	-
9	Add-On Course	2018-19	Cloud Technologies	32	32	32	2	2	-
10	Add-On Course		R Tool for Statistical Analysis and Data Mining	32	29	29	3	3	-
11	Certificate Programme	2019-20	Moo Framework	32	30	30	-	-	-
12	Certificate Programme		Struts Framework	32	30	30	1	-	-
13	Certificate Programme	2020-21	Learnathon	107	50	50	-	-	-
14	Add-On Course		Enhancing Skillset	30	57	57	-	-	-

Enclosure:

1. List of students who have done Miniprojects/ Projects
2. List of students who have published papers in Conferences/Journals/Symposia

V.R. K. The



PRATHYUSHA ENGINEERING COLLEGE

1. MINIPROJECTS/ PROJECTS EXECUTED

Name of the Certificate Programme : Internet of Things

Duration : 32 hrs

Academic Year : 2015 -16

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111412104005	Amirtha.S	Development of Fishermen Safety Using Trizonal Alert and Accident Avoidance	IoT	Ms.S.Durga devi
111412104021	Dafney Ann D			
111412104036	Janani.K.E			
111412104067	Nandhini.R	An IoT Aware Architecture for Smart Healthcare Systems	IoT	Ms. M.Vanitha
111412104073	Poornima.R.G			

Name of the Certificate Programme : Advanced Training –IBM

Duration : 50 hrs

Academic Year : 2016 -17

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111413104054	Prathoshwaran M	E-commerce Web site for Cheap and Best deals	Web Technology	Ms.S.Durga devi
111413104075	Siva Shankar K			
111413104055	Praveen K C			
111413104066	Rohini S	A web Portal for Mileage optimization monitoring system	Web Technology	Dr.S.Padma Priya
111413104060	Rajalakshmi M			
111413104082	B.Uma Maheshwari			



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Name of the Certificate Programme : Xamarin

Duration : 32 hrs

Academic Year : 2017 -18

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111414104059	Radha.P	Mobile distributed system for personal security	Mobile App	Ms.M.Vanitha
111414104077	Soundharya.K			
111414104058	Tejashree.P			
111414104041	Manoj Kumar .K	Rainfall prediction and farmer support Mobile application	Mobile App	Dr.S.Padmapriya
111414104301	Ganesh.R			
111414104065	Saisaran.R.			

Name of the Certificate Programme : Cloud Technologies

Duration : 32 hrs

Academic Year : 2018 -19

REG.NO	NAME	PROJECT TITLE	DOMAIN	Guide Name
111415104026	T.K.Gayathri	Three Layer Privacy Preserving in Fog Computing	Cloud	Mr.K.Shankar
111415104040	Manasa .R			
111415104013	Chukkapalli Mounish	Enabling Auditing and Data sharing for secure cloud storage	Cloud	Ms.K.Sornalatha
111415104014	R.Deepak Raj			



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Name of the Certificate Programme : R Tool for Statistical Analysis and Data Mining

Duration : 32 hrs

Academic Year : 2018 -19

REG.NO	NAME	PROJECT TITLE	DOMAIN	Guide Name
111415104058	Preetha .P	Crop Management & Irrigation Automation using Data Analysis Techniques	Data analytics	Dr.S . Padma Priya
111415104053	Pavithra .R			
111415104024	Gayathri .S [M.R. Saravanan]	Predictive Analysis on Medicine and Doctor in Hospital	Data analytics	Ms.V.R.Kavitha
111415104045	Monisha .R			
111415104010	Boddapati Sindhu Priya	Estimation and Prediction of Diabetes Mellitus using association summarization techniques.	Data analytics	Ms.R.Meena
111415104029	Guduru Sowmya			

Name of the Certificate Programme : Struts Frameworks

Duration : 32 hrs

Academic Year : 2019 -20

REG.NO	NAME	PROJECT TITLE	DOMAIN	Guide Name
111416104063	PODILI ROSHITHA	Web Based Travel Assistant with chatbot	Web application	Ms. N. Sripriya
111416104064	POOJA G			
111416104100	VIRUVURI YAMINI			



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2. PUBLICATIONS

Name of the Certificate Programme : Xamarin
Duration : 30 hrs
Academic Year : 2017 -18

S.No.	Name of the student	Title of the Paper	Name of the Journal with ISSN No.
1	Radha.P Soundharya.K Tejashree.P	Mobile distributed system for personal security	International Journal of Scientific Research in Computer Science Applications and Management Studies, ISSN 2319 -1953, Volume 7, Issue 2, March 2018
2	Manoj Kumar .K Ganesh.R Saisaran.R.	Rainfall prediction and farmer support Mobile application	International Journal Of Creative Research Thoughts (IJCRT),ISSN 2320-2882, Issue No. -2, Volume No. - 6, April 2018

Name of the Certificate Programme : Cloud Technologies
Duration : 32 hrs
Academic Year : 2018 -19

S.No.	Name of the student	Title of the Paper	Name of the Journal with ISSN No.
1	T.K.Gayathri Manasa .R	Three Layer Privacy Preserving Using Fog Computing	Int. Jnl. Of Advanced Networking & Applications (IJANA) -Special Issue 2019, ISSN 0975-0282,
2	Chukkapalli Mounish R.Deepak Raj	Enabling Auditing and Data sharing for secure cloud storage	9th International Conference on "Science and Innovative Engineering – 2019-Icsie-2019, Organization of Science and Innovative Engineering & Technology, Jawahar Engineering College, 24th March 2019,



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Name of the Certificate Programme : R Tool for Statistical Analysis and Data Mining

Duration : 36 hrs

Academic Year : 2018 -19

S.No.	Name of the student	Title of the Paper	Name of the Journal with ISSN No.
1	Preetha .P Pavithra .R	Crop Management & Irrigation Automation using Data Analysis Techniques	Int. Jnl. Of Advanced Networking & Applications (IJANA) -Special Issue 2019, 0975-0282, April 2019
2	Gayathri .S Monisha .R	Predictive Analysis on Medicine and Doctor in Hospital	LEADER-2019, International Conference in Embedded Systems Automative Engineering Disaster Management Evolutionary Computing and Renewable Energy, Arunai College of Engineering LEADER-2019, International Conference in Embedded Systems Automative Engineering Disaster Management Evolutionary Computing and Renewable Energy, Arunai College of Engineering, 15th March 2019
3	Boddapati Sindhu Priya Guduru Sowmya	Estimation and Prediction of Diabetes Mellitus using association summarization techniques.	Int. Jnl. Of Advanced Networking & Applications (IJANA) -Special Issue 2019, 0975-0282, April 2019



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1.2.2.1.c Names of the Add on /Certificate programs with 30 or more contact hours

S. No.	Add On/ Certificate Program	Academic Year	Name Of The Program	Duration (Hrs)
1	Certificate Programme	2015-16	Computational Intelligence with data Analytics	32
2	Add-On Course		Internet of Things	32
3	Certificate Programme	2016-17	Basic Software Foundation Programme (For II Years)	50
4	Certificate Programme		Advanced Training –IBM (For IV Years)	50
5	Add-On Course	2017-18	Xamarin	32
6	Certificate Programme		Basic Software Foundation Course (For II Years)	50
7	Add-On Course		Networking Technologies	30
8	Certificate Programme	2018-19	Salesforce- Learnathon	40
9	Add-On Course		Cloud Technologies	32
10	Add-On Course		R Tool for Statistical Analysis and Data Mining	32
11	Certificate Programme	2019-20	Moo Framework	32
12	Certificate Programme		Struts Framework	32
13	Certificate Programme	2020-21	Learnathon	107
14	Add-On Course		Enhancing Skillset	30

V. R. K. R. K.

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1.2.2.1.b List of Add on /Certificate programs. Summary report of each program year wise along with their outcome.

S.No	Add On/ Certificate Program	Academic Year	Name Of The Program	Duration (in Hrs)	No. Of Students Enrolled	No. Of Students Certified	No. of Projects done	No. of Publications in Conferences /Journals	No. of Patents/ Startups
1	Certificate Program	2015-16	CLAD certification	48	25	22	-	-	-
2	Add On Program	2016-17	LabVIEW core I and II with applications	60	25	25	4	-	-
3	Add On Program		LabVIEW core I and II with applications	30	26	26	-	-	-
4	Certificate Program		CLAD certification	48	25	14	-	-	-
5	Add On Program	2017-18	Arduino and ATmega based programs	32	42	42	2	-	-
6	Add On Program		Networking concepts	66	22	22	-	-	-
7	Add On Program		Applications of My DAQ with LabVIEW	54	59	59	-	-	-
8	Add On Program		Applications of My DAQ and My RIO with LabVIEW	48	26	26	2	-	-
9	Certificate Program		CLAD certification	36	25	24	-	-	-
10	Add On Program		Applications of My RIO with LabVIEW	42	25	25	-	-	-

11	Add On Program	2018-19	Applications of MyRIO with LabVIEW	30	51	51	1	-	-
12	Add On Program		Programming using HDL language and Xilinx tool	32	23	23	-	-	-
13	Add On Program	2019-20	LabVIEW- Core I	78	40	40	-	-	-
14	Add On Program		Overview of Simulink in MATLAB & Advanced Programming	32	20	20	-	1	-
15	Add On Program	2020-21	LabVIEW- Core II	32	40	40	-	-	-

Enclosure:

1. List of students who have done miniprojects/ projects
2. List of students who have published papers in Conferences/Journals/Symposia
3. List of students who have filed patents/startups

1. PROJECTS

Name of the Certificate Programme : LabVIEW core I and II with applications
Academic Year : 2016-17

S.No	Name of the student	Title of the Miniproject/ Project	Venue of the Project Competition	Participated/ Awards Won (Mention cash prize or place)
1	Balaji.K Akkireddy Jyoti Sruvanthi Archana.S.G Ajith Kishna.V Sree Sai	OCTO ED	NIYANTRA 2017	Participated
2	Vandana Keerthi priya Mahendar Naveen Raj.B	Automatic Smart Trash Bin	NIYANTRA 2017	Participated
3	Mary Sheela J R Priyadharshini N M Priya L	Wireless patient health monitoring	PRATHYUSHA ENGINEERING COLLEGE	Participated
4	Karthika V Divya A R Deepika D	Real time aquaculture monitoring	PRATHYUSHA ENGINEERING COLLEGE	Participated

Name of the Certificate Programme : Arduino and ATmega based programs
Academic Year : 2017-18

S.No	Name of the student	Title of the Miniproject/ Project	Venue of the Project Competition	Participated/ Awards Won (Mention cash prize or place)
1	Anusha.M Gunta Nirosha Kattamuri Jyothirmai Lavanya.R	Garbage segregator using ATMEGA2560	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	Participated
2	Rakesh .R Reshma .B Pratibha Basyal M	Imperceptive Steering	PRATHYUSHA ENGINEERING COLLEGE	I prize

Name of the Certificate Programme : Arduino and ATmega based programs
Applications of My DAQ and My RIO
with LabVIEW
Academic Year : 2017-18

S.No	Name of the student	Title of the Miniproject/ Project	Venue of the Project Competition	Participated/ Awards Won (Mention cash prize or place)
1	Dheekshith Shashank NikhilKumar Sivakumar	Flashing display of words using LabVIEW	PRATHYUSHA ENGINEERING COLLEGE	Participated in Cluster
2	Asifa Rudhra Shivani	Advanced Robo rescuer in disaster Management system using LabVIEW	PRATHYUSHA ENGINEERING COLLEGE	Participated

Name of the Certificate Programme : Applications of My RIO with LabVIEW
Academic Year : 2018-19

S.No	Name of the student	Title of the Miniproject/ Project	Venue of the Project Competition	Participated/ Awards Won (Mention cash prize or place)
1	Nagella Venkata Nikhil Kumar Perugu Deekshith Venkat Sai Elsin.R	Heat Energy Harvesting System using LabVIEW	PRATHYUSHA ENGINEERING COLLEGE	II prize

1. PUBLICATIONS

Name of the Certificate Programme : Overview of Simulink in MATLAB & Advanced Programming
Academic Year : 2019-20

S.No.	Name of the student	Title of the Paper	Title of the Conference/Journal
1	Thimmaraju Srilekha Venkat Naveen. M Bollineni Sri Teja Akshaya. D	Design and Performance Analysis of Four Stress Level Stroop Colour Word Test	International Conference on Stress, Yoga, Mind- Body Medicine

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1.2.2.1.c Names of the Add on /Certificate programs with 30 or more contact hours

S.No.	Add On/ Certificate Program	Academic Year	Name Of The Program	Duration (Hrs)
1	1	2015-16	CLAD certification	48
2	3	2016-17	LabVIEW core I and II with applications	60
3			LabVIEW core I and II with applications	30
4			CLAD certification	48
5	6	2017-18	Arduino and ATmega based programs	32
6			Networking concepts	66
7			Applications of My DAQ with LabVIEW	54
8			Applications of My DAQ and My RIO with LabVIEW	48
9			CLAD certification	36
10			Applications of My RIO with LabVIEW	42
11	2	2018-19	Applications of My RIO with LabVIEW	30
12			Programming using HDL language and Xilinx tool	32
13	2	2019-20	LabVIEW- Core I	78
14			Overview of Simulink in MATLAB & Advanced Programming	32
15	1	2020-21	LabVIEW- Core II	32



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PEC/NAAC/2020/EEE

1.2.2.1.b List of Add on /Certificate programs [last 5 years] Summary report of each program year-wise along with their outcome,

S.No.	Add On/ Certificate Program	Academic Year	Name Of The Program	Duration (Hrs)	No. Of Students Enrolled	No. Of Students Certified	No. of Projects done	No. of Publicat ions in Confere nces/Jou rnals	No. of Patent s/Start ups
1	Certificate Program	2015-16	CLAD Certification	30	7	7	-	-	-
2	Certificate Program	2016-17	CLAD Certification	30	5	5	-	-	-
3	Certificate Program	2017-18	CLAD Certification	30	10	10	-	-	-
4	Add On		Green and Clean Energy	33	26	8	5	4	-
5	Add On		PLC and SCADA	33	24	7	2	1	-
6	Add On		ETAP	35	28	11	1	1	-
7	Certificate Program	2018-19	CLAD Certification	30	4	3	1	1	-
8	Add On		Green and Clean Energy	33	24	10	2	4	-
9	Add On		PLC and SCADA	33	16	6	1	1	-
10	Add On		ETAP	35	25	12	-	-	-
11	Add On	2019-20	Green and Clean Energy	33	27	11	3	-	-



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12	ESTD. 2004 Add On		PLC and SCADA	33	18	11	-	-	-
13	Add On		ETAP	35	27	10	2	1	-
14	Add On	2020-21	Green and Clean Energy	33	25	7	2	-	-
15	Add On		PLC and SCADA	33	11	5	-	-	-
16	Add On		ETAP	35	25	8	1	-	-



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1. PROJECTS EXECUTED

Name of the certificate program/Add on course : **Green and Clean Energy**

Academic year: **2017-18**

Register Number	Name	Title	Guide
111414105040	LOKESHWARAN .R	Direct and indirect axis sensing solar tracking system	Ms.M.PREETHA
111414105034	KARTHIK .V		
111414105036	KIRAN KUMAR .R		
111414105007	BALACHANDAR .K	Avant grade E-BIKE	Mr.J.RAJESH
111414105008	BALACHANDAR .S		
111414105011	BALU ASHOK		
111414105066	SASIREKHA .U	Hybrid converter for household application using PV - wind	Ms.S.SHOBANA
111414105078	VAISHALI.D		
111414105059	REVATHI .P		
111414105048	NAVEEN KUMAR ..K	Modeling of Electrostatic wind energy converter with solar PV system	Ms.M.SHANTHINI MERLIN
111414105049	PADMESH .B		
111414105069	SHRREVISHNU.AR		
111414105063	SAN ANIL.S	Vertical Axis wind turbine in highway lighting	Dr.S.KRISHNA KUMAR
111414105071	SIVARAMCHANDAR .V		
111414105057	RAJKUMAR .S		

Name of the certificate program/Add on course : **PLC and SCADA**

Academic year: **2017-18**

Register Number	Name	Title	Guide
111414105053	R.PREETHI	Transfrmer Cooler control automation and condition monitoring system using PLC	Ms.T.MATHUMATHI
111414105080	M.VISHALAKSHI		
111414105067	B.SHALU ZAREEN		
111414105079	VAMSI KRISHNAN .R	Modifying relay logic az-11 machine(horizontal milling machine) to PLC logic	Dr.K.C.JAYASANKAR
111414105081	VISHNU.N		
111414105074	SUJITH.K		

Name of the certificate program/Add on course : **ETAP**

Academic year: **2017-18**

Register Number	Name	Title	Guide
111414105038	JOTHY PRASANTH .K	Design and analysis of PV and Wind prnetration into a distribution network using ETAP	Ms.T.MATHUMATHI



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Name of the certificate program/Add on course : **CLAD**

Academic year: **2018-19**

Register Number	Name	Title	Guide
111415105019	KARTHIKEYAN T	PV data acquisition with web based MPPT controller using LABVIEW	Ms.SANGEETHA
111415105028	RANJITH KUMAR R		

Name of the certificate program/Add on course : **Green and Clean Energy**

Academic year: **2018-19**

Register Number	Name	Title	Guide
111415105004	ARUN .D	Solar power harvesting using MPPT with P & O algorithm	Ms.T.MATHUMATH
111415105006	ARUN PRAVEEN .V		
111415105007	ARUN SELVAN .A.M		
111415105023	LOKESH .S	Grid connected pv systems with MPPT control using ANFIS algorithm	Ms.S.SHOBANA
111415105016	IBRAHIM BASHA .A		
111415105039	VIJAY .V		

Name of the certificate program/Add on course : **PLC and SCADA**

Academic year: **2018-19**

Register Number	Name	Title	Guide
111415105003	ANUSUYASRI .B	Ingenious automated LED Street lights	Ms.M.PREETHA
111415105009	CHITHRA .R		

Name of the certificate program/Add on course : **Green and Clean Energy**

Academic year: **2019-20**

Register Number	Name	Title	Guide
111416105014	MOHAN RAM L	Real time solar radiation monitoring system and solar forecasting	Mr.J.RAJESH
111416105016	MONISH BALAJEE K		
111416105028	SENTHIL KUMAR R		
111416105012	KURRI HAREESH KUMAR	Wind solar base hybrid renewable resource power generation using fuzzy control VSI for grid applications	Ms.S.SHOBANA
111416105022	RAHUL SAI K		
111416105033	THULASIRAM K R		
111416105020	PREETHA V	Optimal power flow control of hybrid renewable energy system	Ms.S.SHOBANA
111416105023	RAJPRIYA D		



PRATHYUSHA ENGINEERING COLLEGE

Name of the certificate program/Add on course : **ETAP**

Academic year: **2019-20**

Register Number	Name	Title	Guide
111416105024	RAKESH R	Performance analysis of 1240 MW combined cycle powerplant using ETAP	DR.K.SATHYASEKAR
111416105026	RUBESH R M		
111416105027	SANTHOSH K		
111416105001	ANNAPALLI BHANUCHAND	Power flow and short circuit analysis of 35 MW CPP indian real time system	Ms.T.MATHUMATH
111416105008	CHAITANYA KUMAR REDDY Y		
111416105034	ULLIPAYALA ARUN KUMAR		



PRATHYUSHA ENGINEERING COLLEGE

2. Publications

Name of the certificate program/Add on course : **Green and Clean Energy**

Academic year: **2017-18**

Name of the student	Title	Name of the Journal with ISSN no
Simon Rock King Tarun Raj Praveen	An intellignet demand side management with Renewable energy integration for smart home based on time of use (tou)	International Journal of Advanced in Management, Technology and Engineering Sciences Volume 8, Issue IV, APRIL/2018 ISSN NO : 2249-7455 25
Aarthi Swetha.J M Banumati.P.V Gobiya.P	Design and prototype implementation of System detecting maintenace earth rod on overhead lines in traction network	International Journal of Advanced in Management, Technology and Engineering Sciences Volume 8, Issue IV, APRIL/2018 ISSN NO : 2249-7455
R.Jainesh S.Harikrishna I.Jesudoss Samuel	Flyback converter fed current source Inverter using photo voltaic	International Journal of Advanced in Management, Technology and Engineering Sciences Volume 8, Issue III, MARCH/2018 ISSN NO : 2249-7455
S. RajKumar S.San Anil V. SivaRam Chandar	Vertical axis wind turbine for power Generation in highway lighting	International Journal of Advanced in Management, Technology and Engineering Sciences Volume 8, Issue IV, APRIL/2018 ISSN NO : 2249-7455

Name of the certificate program/Add on course : **PLC and SCADA**

Academic year: **2017-18**

Name of the student	Title	Name of the Journal with ISSN no
R.Preethi, B.Shalu Zareen, M.Visalakshi	Transformer Cooler Control Automation And Condition Monitoring System Using PLC And HMI Modules	International Journal of Advanced in Management, Technology and Engineering Sciences Volume 8, Issue IV, APRIL/2018 ISSN NO : 2249-7455 213

Name of the certificate program/Add on course : **ETAP**

Academic year: **2017-18**

Name of the student	Title	Name of the Journal with ISSN no
K.Jothy prasanth	Voltage profile improvement in a hybrid Distribution system using ETAP	International Journal of Advanced in Management, Technology and Engineering Sciences Volume 8, Issue IV, APRIL/2018 ISSN NO : 2249-7455



PRATHYUSHA ENGINEERING COLLEGE

Name of the certificate program/Add on course : **CLAD**

Academic year: **2018-19**

Name of the student	Title	Name of the Journal with ISSN no
T. Karthikeyan R. Ranjith Kumar	PV Data Acquisition with Web based MPPT Controller using Labview	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 7 Issue III, Mar 2019

Name of the certificate program/Add on course : **Green and Clean Energy**

Academic year: **2018-19**

Name of the student	Title	Name of the Journal with ISSN no
A. Ibrahim Basha S. Lokesh V. Vijay	Grid Connected PV System with MPPT Controller using ANFIS Algorithm	International Journal of Engineering Science and Computing, March 2019
Mr.R.Dinesh2, Mr.S.Gowtham3, Mr.K.Iniyavan4	Autonomous Adjustable Pesticide Spraying Device for Agricultural Application	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056
L. Geethanjali2, A. Kaviya3, S. Swetha4	Bidirectional Full Bridge Configuration for Inductive Wireless Power Transfer	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887
Shaik Akmal Hussain2, MS Sumanth Kumar Reddy3	Dual Output Isolated Converter for E-Vehicle	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 7 Issue III, Mar 2019

Name of the certificate program/Add on course : **PLC and SCADA**

Academic year: **2018-19**

Name of the student	Title	Name of the Journal with ISSN no
R. Chitra B. Anasuyasri	Ingenious Automated Street Lamp Network using PLC	International Journal of Research in Engineering, Science and Management Volume-2, Issue-3, March-2019 www.ijresm.com ISSN (Online): 2581-5792



PRATHYUSHA ENGINEERING COLLEGE

Name of the certificate program/Add on course : **ETAP**

Academic year: **2019-20**

Name of the student	Title	Name of the Journal with ISSN no
Rakesh.R Rubesh.R.M Santhosh.K	Enhancing the Performance Analysis of Large Capacity Power Plant using Electrical Transient Analyzer Program	Test Engineer and management <i>March-April 2020</i> ISSN: 0193- 4120 Page No. 19480 - 19483



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PBC/NAAC/2020/EEE

1.2.2.1.e Names of the Add on /Certificate programs with 30 or more contact hours [last 5 years]

S.No.	Add On/ Certificate Program	Academic Year	Name Of The Program	Duration (Hrs)
1	Certificate Program	2015-16	Clad Certification	30
2	Certificate Program	2016-17	Clad Certification	30
3	Certificate Program	2017-18	Clad Certification	30
4	Add On		Green and Clean Energy	33
5	Add On		PLC and SCADA	33
6	Add On		ETAP	35
7	Certificate Program	2018-2019	Clad Certification	30
8	Add On		Green and Clean Energy	30
9	Add On		PLC and SCADA	33
10	Add On		ETAP	35
11	Add On	2019-20	Green and Clean Energy	33
12	Add On		PLC and SCADA	33
13	Add On		ETAP	35
14	Add On	2020-21	Green and Clean Energy	33
15	Add On		PLC and SCADA	33
16	Add On		ETAP	35

K. Gopalan



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

1.2.2.1 b List of Add on /Certificate programs. Summary report of each program year-wise along with their outcome.

S.No	Add on/ Certificate Program	Academic Year	Name of the Program	Duration (In hrs.)	No. of Students Enrolled	No. of Students Certified	No. of projects done	No. of publications in conferences/ Journal	No. of Startup/ Patents
1	Add-on Course	2015-16	Enhancing Programming Skills	32	30	30	-	-	-
2	Certificate Programme	2016-17	Basic Foundation Programme (II years)	30	30	30	-	-	-
3	Certificate Programme		Advanced Training – IBM (IV years)	50	12	12	-	-	-
4	Certificate Programme	2017-18	Salesforce – Learnathon	82	29	29	-	-	-
5	Add-on Course		Xamarin	32	7	7	3	2	-
6	Add-on Course		Networking Technologies	36	9	9	2	2	-
7	Add-on Course	2018-19	Cloud Technologies	32	5	5	2	-	-
8	Add-on Course		R Tool for Statistical Analysis & Data Mining	30	5	5	2	2	-
		2019-20	NA					-	-
9	Add-on Course	2020-21	Enhancing Skillset	30	50	50	-	-	-
10	Certificate Programme		InfyTq	52	12	12	-	-	-
11	Certificate Programme		Learnathon	107	20	1		-	-

Enclosure:

1. List of students who have done Miniprojects/ Projects
2. List of students who have published papers in Conferences/Journals/Symposia
3. List of students who have filed patents/startups



PRATHYUSHA ENGINEERING COLLEGE

Name of the Certificate Programme : Cloud Technologies

Duration : 32 hrs

Academic Year : 2018 -19

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111415205002	Ambika R	S & D TIME TABLE AUTOMATION SYSTEM	CLOUD BASED WEB APP	MS.M.D.BOOMIJA
111415205012	Jeyashree			
111415205026	Sandhiya			
111415205001	Almas Banu	ANALYSIS ON MEDICINES AND DOCTORS VAILABILITY IN GOVERNMENT HOSPITALS	CLOUD BASED WEB APP	MS.M.D.BOOMIJA
111415205003	Anu Priya			

Name of the Certificate Programme : R Tool for Statistical Analysis & Data Mining

Duration : 30 hrs

Academic Year : 2018 -19

REG. NO	NAME	TITLE OF THE PROJECT	DOMAIN	GUIDE NAME
111415205004	Divya Rani.G	DUAL SENTIMENT ANALYSIS FOR TWO SIDES OF REVIEW	DATA MINING	MR.I.MOHAN
111415205021	Pranathi			
111415205022	Pravalika.D.C	ESTIMATION & PREDICTION OF DIABETES MELLITUS USING ASSOCIATION & SUMMARIZATION TECHNIQUE	DATA MINING	MS.J.OMANA
111415205028	Sowmiya			



PRATHYUSHA ENGINEERING COLLEGE

2. PUBLICATIONS

Name of the Certificate Programme : Xamarin

Duration : 32 hrs

Academic Year : 2017 -18

S.No.	Name of the student	Year of study	Title of the Paper	Name of the Journal with ISSN No.
1	Jason Christofer, Neha baskar, Pratheesha	2017-18	Notification and Communication of Village Development using Firebase and one signal API	International Journal for Scientific Research & Development, ISSN No.2321-0613, Vol.5, Issue 12, 2018
2	P.Pavithran R.Shalini V.Saranya G.S.Shruthi	2017-18	GPS-based Dengue Risk Index App	Journal of Computer Technology & Applications, ISSN No. 2347-7229, Vol.9, Issue 9.2018

Name of the Certificate Programme : Networking Technologies

Duration : 36 hrs

Academic Year : 2017 -18

S.No.	Name of the student	Year of study	Title of the Paper	Name of the Journal with ISSN No.
1	Jayashree Kowsalya Priyadharshini	2017-18	Traffic Identification Engine for Real Time networking	International Journal for Scientific Research & Development, ISSN No.2321-0613, Vol.5, Issue 12, 2018
2	A.Anitha S.Sindhuja	2017-18	A wireless Body Sensor Network for Health Monitoring	International Journal for Scientific Research & Development, ISSN No.2321-0613, Vol.5, Issue 12, 2018



PRATHYUSHA ENGINEERING COLLEGE

Name of the Certificate Programme : R Tool for Statistical Analysis & Data Mining

Duration : 30 hrs

Academic Year : 2018 -19

S.No.	Name of the student	Year of study	Title of the Paper	Name of the Journal with ISSN No.
1	D.C.Pravalika R.Sowmiya	2018-19	Estimation and Prediction of Diabetes Mellitus using Association Summarization Technique	International Journal for Research in applied science & Engineering Technology, ISSN No.2321-9653, Vol.7, Issue 3, 2019
2	G.Divya Rani Pranathi	2018-19	Dual sentiment analysis for two sides of review	International Journal of Engineering Science and Computing, ISSN No. 2447-7213, Vol.9, Issue 3,2019



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

1.2.2.1.c Names of the Add on /Certificate programs with 30 or more contact hours

S.No.	Add on/ Certificate Program	Academic Year	Name of the Program	Duration (In hrs.)
1	Add-on Course	2015-16	Enhancing Programming Skills	32
2	Certificate Programme	2016-17	Basic Foundation Programme (II years)	30
3	Certificate Programme		Advanced Training –IBM (IV years)	50
4	Certificate Programme	2017-18	Salesforce – Learnathon	82
5	Add-on Course		Xamarin	32
6	Add-on Course		Networking Technologies	36
7	Add-on Course	2018-19	Cloud Technologies	32
8	Add-on Course		R Tool for Statistical Analysis & Data Mining	30
		2019-2020	NA	
9	Add-on Course	2020-21	Enhancing Skillset	30
10	Certificate Programme		InfyTq	52
11	Certificate Programme		Learnathon	107



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

PEC/NAAC/2020/MECH

1.2.2.1 b List of Add on /Certificate programs [Last 5 years]. Summary report of each program year-wise along with their outcome.

S.No	Add on/ Certificate Program	Acade mic Year	Name of the Program	Duratio n (In hrs.)	No. of Students Enrolled	No. of Students Certified	No. of projects done	No. of publications in conferences /Journal	No. of Startup/ Patents
1	NA	2015-16	NA	NA	NA	NA	-	-	-
2	Add on course	2016-17	CATIA MODELING	60	25	25	-	-	-
3	Add on course	2017-18	CATIA MODELING	60	56	56	-	-	-
	Certificate Program		PRO-E & ANSYS	35	43	43	-	-	-
	Certificate Program		CNC TRAINING IN MTAB MACHINE	35	21	21	-	-	-
4	Add on course	2018-19	CATIA MODELING	60	25	25	-	-	-
	Certificate Program		PRO-E & ANSYS	35	23	23	-	-	-
	Certificate Program		CNC TRAINING IN MTAB MACHINE	35	23	23	-	-	-
5	Add on course	2019-20	CATIA MODELING	60	66	66	-	-	-
	Certificate Program		PRO-E & ANSYS	45	75	75	-	-	-
	Certificate Program		CNC TRAINING IN MTAB MACHINE	45	50	50	-	-	-
6	Add on course	2020-21	CATIA ADVANCED TOOL MODELING	90	26	26	-	-	-



PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

PEC/NAAC/2020/MECH

1.2.2.1 c Name of the Add on / Certificate Programs with 30 or more contact hours
[Last 5 years]

S.No	Add on/ Certificate Program	Academic Year	Name of the Program	Duration (In hrs.)
1	NA	2015-16	NA	NA
2	1	2016-17	CATIA MODEL ING	60
3	3	2017-18	CATIA MODEL ING	60
			PRO-E & ANSYS	35
			CNC TRAINING IN MTAB MACHINE	35
4	3	2018-19	CATIA MODEL ING	60
			PRO-E & ANSYS	35
			CNC TRAINING IN MTAB MACHINE	35
5	3	2019-20	CATIA MODEL ING	60
			PRO-E & ANSYS	45
			CNC TRAINING IN MTAB MACHINE	45
6	1	2020-21	CATIA ADVANCED TOOL MODELING	90



PRATHYUSHA ENGINEERING COLLEGE

FIRST YEAR

PEC/NAAC/2020/FIRST YEAR

1.2.2.1.b List of Add on /Certificate programs [last 5 years]

Summary report of each program year wise along with their outcome.

S. No	Add On/ Certificate Program	Academic Year	Name Of The Program	Duration (Hrs)	No. Of Students Enrolled	No. Of Students Certified	No. of Projects done	No. of Publications in Conferences/Journals	No. of Patents/ Startups
1	1	2015-16	Programming in C++	30	264	223	-	-	-
2	1	2016-17	Programming in C++	31	224	196	-	-	-
3	1	2017-18	Object Oriented Programming using Python	32	232	203	-	-	-
4	1	2018-19	Object Oriented Programming using Python	33	196	180	-	-	-
5	1	2019-20	Object Oriented Programming using Python	30	208	186	-	-	-
6	1	2020-21	Enhancement of Aptitude Skills	31	216	156	-	-	-



PRATHYUSHA ENGINEERING COLLEGE

FIRST YEAR

PEC/NAAC/2020/FIRST YEAR

1.2.2.1.c Names of the Add on /Certificate programs with 30 or more contact hours [last 5 years]

S.No.	Add On/ Certificate Program	Academic Year	Name Of The Program	Duration (Hrs)
1	1	2015-16	Programming in C++	30
2	1	2016-17	Programming in C++	31
3	1	2017-18	Object Oriented Programming using Python	32
4	1	2018-19	Object Oriented Programming using	33
5	1	2019-20	Object Oriented Programming using Python	30
6	1	2020-21	ENHANCEMENT OF APTITUDE SKILLS	31