

**EASWARI ENGINEERING COLLEGE (Autonomous)**  
**Department of Electrical and Electronics Engineering**

**PROJECT WORK (2019-2020)**  
**IV YEAR A SEC**

<b><u>S.NO</u></b>	<b>REG NO</b>	<b>NAME OF THE STUDENTS</b>	<b>PROJECT TITLE</b>	<b>INHOUSE/ INDUSTRY</b>	<b>GUIDE NAME</b>
<b>BATCH I</b>					
1	310616105003	R.ANAND VIGNESH	SOLAR POWERED HIGH GAIN INTERLEAVED BOOST CONVERTER WITH CASCADED H-BRIDGE ASYMMETRICAL MULTILEVEL INVERTER FOR STANDALONE APPLICATIONS	INHOUSE	MR.K.V.THILIGAR
2	310616105004	S.ANIRUDH			
3	310616105028	M.HEMANTH KUMAR			
<b>BATCH II</b>					
4	310616105002	S.B.AKSHAYA	QR BASED AADHAR ELECTRONIC VOTING MACHINE USED IN STUDENT ELECTIONS FOR PRIVACY AND SECURITY ENHANCEMENT USING IOT	INHOUSE	MRS.C.PRIYA
5	310616105026	P.HARIPRIYA			
6	310616105030	N.JANANI			
7	310616105033	Y.JOTHIKA			
<b>BATCH III</b>					
8	310616105005	R.APARNA	DESIGN AND FABRICATION OF A SOLAR TREE	INHOUSE	MR.G.VIGNESH
9	310616105017	A.EUNICE			
10	310616105032	P.JEYAPRIYA			
11	310616105040	R.LAVANYA			
<b>BATCH IV</b>					
11	310616105024	K.HARIBAL	HIGH GAIN, HIGH EFFICIENCY DC- DC CONVERTER SUITABLE FOR SOLAR PV MODULE INTEGRATION WITH THREE-PHASE GRID TIED INVERTERS	INHOUSE	DR.D.FATHEMA FARZANA
12	310616105027	R.HARISH KISHORE			
13	310616105029	G.ISVARIYA			
14	310616105015	V.DEEPAK VENKATESH			

<b>BATCH V</b>					
15	310616105047	A.MOHAMED SAFAAITH HUSSIAN	DESIGN OF MOBILE SURVEILLANCE AND SECURITY BOT FOR HOME SAFETY	INHOUSE	MRS.D.CHANDRAKALA
16	310616105045	B.MATHI BHARATHI			
17	310616105001	K.ADITHYA VENKATESH			
18	310616105010	N.BALAJI			
<b>BATCH VI</b>					
19	310616105025	B.R.HARINI	DESIGNING OF E-BIKE WITH SMART LOCKING SYSTEM USING QR CODE	INHOUSE	DR.E.KALIAPPAN
20	310616105023	HAMSAPRIYA.S			
21	310616105007	ARVIND VISHWANATH.S			
22	310616105013	BOSE KANNAN.M			
<b>BATCH VII</b>					
23	310616105038	R.KISHORE KUMAR	INTELLIGENT VOICE-BASED DOOR ACCESS CONTROL SYSTEM USING EMBEDDED APPLICATION	INHOUSE	DR.E.KALIAPPAN
24	310616105043	R.MANI BHARATHI			
25	310616105044	E.MANIKANDAN			
<b>BATCH VIII</b>					
26	310616105036	KAVIN.R.M	MENU DISPLAY AND FOOD ORDERING SYSTEM FOR RESTAURANT USING EMBEDDED APPLICATION	INHOUSE	MR.M.VENKATACHALAM
27	310616105037	KESHAV.K			
28	310616105048	MONISH.V			
<b>BATCH IX</b>					
29	310616105018	GANAPATHY.S	IBLINK: A WEARABLE DEVICE FACILITATING FACIAL PARALYTIC PATIENTS TO BLINK	INHOUSE	DR.J.GOWRISHANKAR
30	310616105006	ARUN JEYARAM.S			
31	310616105020	GOWTHAM.E			
32	310616105008	ASVIN.S			
<b>BATCH X</b>					
33	310616105012	J.BENEDICT	MODIFIED MULTILEVEL CASCADED H BRIDGE INVERTER	INHOUSE	DR.K.MALA
34	310616105031	D.JEFEREY SHELION			
35	310616105021	GOWTHAM.R			
<b>BATCH XI</b>					

36	310616105034	M.KAPILAN	DUAL T TYPE 7 LEVEL BOOST ACTIVE NEUTRAL POINT CLAMPED INVERTER	INHOUSE	MR.P.PUSHPAKARTHIK
37	310616105035	G.KARTHICK			
38	310616105046	M.H.MOHAIDEEN ABDUL KADER			
<b>BATCH XII</b>					
39	310616105019	M.GOVARTHANAN	A HIGH EFFICIENCY Z SOURCE SPARSE MATRIX CONVERTER FOR V2H AND G2V APPLICATIONS	INHOUSE	MRS.J.LYDIA
40	310616105011	B.BARATH SRINIVAS			
41	310616105016	A.DINAKARAN			
42	310616105014	C.DEEPAK REX ANTONY			
<b>BATCH XIII</b>					
43	310616105039	M.KOUSALYA	SMART WEARABLE DEVICE - E GLOVES	INHOUSE	DR.R.KARPAGAM
44	310616105042	G.MADHUVANTHI			
45	310616105049	S.MUTHU MEERA			
46	310616105050	G.NANDHINI			
<b>BATCH XIV</b>					
47	310616105041	P.R.MADHEVAN	REMOTE SURVEILLANCE AND DATA TRANSFER USING TVWS	INHOUSE	DR.E.KALIAPPAN
48	310616105301	M.R.ABINESH			
49	310616105009	A.ASWATH RAM			

**IV YEAR B SEC**

S.NO	REG NO	NAME OF THE STUDENTS	PROJECT TITLE	INHOUSE/ INDUSTRY	GUIDE NAME
<b>BATCH I</b>					
1	310616105085	SWETHA LAKSHMI.A.B	SMART TRASH COLLECTOR INSIDE COLLEGE CAMPUS	INHOUSE	MR.K.A.INDU SAILAJA
2	310616105083	SWARIKA.R			
3	310616105076	SRUTHI.T			
4	310616105081	SUKUMARAN.M			
<b>BATCH II</b>					
5	310616105063	E.RAGHAV	IOT BASED GEO-SYNCHRONISED MAXIMUM POWER POINT TRACKING OF SOLAR PANEL	INHOUSE	MR.P.MARISH KUMAR
6	310616105079	L.SUBHESH			
7	310616105306	M.SRIDHAR			
8	310616105097	M.VIKASH BALAJI			
<b>BATCH III</b>					
9	310616105088	R.THANIGAIVELAN	IOT BASED ELECTRIC POWER MANAGEMENT	INHOUSE	DR.J.GOWRISHANKAR
10	310616105501	M.MOHAN			
11	310616105302	D.ASHOK			
12	310616105089	TINO ISSAC			
<b>BATCH IV</b>					
13	310616105053	NISHANTH .R	AI BASED SMART TREE FOR METRO-POLITICIAN CITIES TO INCREASE AIR PURITY	INHOUSE	DR.D.FATHEMA FARZANA
14	310616105068	ROSHAN NAWAZ.M			
15	310616105065	G.RAMAKRISHNAN			
16	310616105096	VIJAY VIGNESH			
<b>BATCH V</b>					
17	310616105054	NIVEDHITHA.M	RF CONTROLLED PLASTIC WASTE COLLECTING MACHINE IN LAKES	INHOUSE	MR.N.PRIYA
18	310616105082	M.S.SUSHMITA			
19	310616105069	B.V.ROSHINI			
<b>BATCH VI</b>					
20	310616105056	R.K.PAVITHRA	RASPBERRY PI BASED SMART BAND FOR WOMEN SAFETY USING IOT	INHOUSE	DR.K.MALA
21	310616105084	S.SWETHA			
22	310616105091	S.VARSHA			
23	310616105099	N.YASHIKA			

<b>BATCH VII</b>					
24	310616105090	S.VAISHNAVI	IOT BASED BIONIC ARM	INHOUSE	MR.G.VIGNESH
25	310616105086	B.SWETHAVILASHINI			
26	310616105055	G.NIVEDITA			
27	310616105051	G.R.NANDHINI			
<b>BATCH VIII</b>					
28	310616105075	P.SHIVANI	SMART IOT MONITORING SYSTEM FOR AGRICULTURE WITH PREDICTIVE ANALYSIS	INHOUSE	DR.E.KALIAPPAN
29	310616105066	RINI JOHN			
30	310616105067	M.RITHU PRIYANGA			
31	310616105073	V.SHANMUGA PRIYA			
<b>BATCH IX</b>					
32	310616105074	M.SHARU PRIYA	ZIGBEE BASED SMART SERVER FOR METER BILLING SYSTEM USING IOT	INHOUSE	MR.K.THILAGAR
33	310616105078	S.SUBHASHINI			
<b>BATCH X</b>					
34	310616105058	M.PRASHANTH	DESIGN OF TWO-BATTERY SYSTEM AND ITS SWITCHING FOR E-BIKES	INHOUSE	MR.G.V.CHIDAMBARATHANU
35	310616105071	M.SATHIYENDRAN			
36	310616105072	J.R.SEETHARAMAN			
37	310616105070	J.SANKARNARYANAN			
<b>BATCH XI</b>					
38	310616105092	V.G.VARUN SEKAR	E-MASK	INHOUSE	MS.B.PONKARTHIKA
39	310616105093	R.VENKATESH			
40	310616105052	S.NETHISH BHARADHWAJ			
41	310616105059	R.PRATHEEP KRISHNAN			
<b>BATCH XII</b>					
42	310616105062	PUGHAZHENDI.G.P	SMART DUSTBIN USING REAL TIME DEPTH MAPPING AND IMAGE PROCESSING	INHOUSE	DR.E.KALIAPPAN
43	310616105077	K.SIBI GOWTHAM			
44	310616105080	M.SUDHARSHAN			
45	310616105064	B.RAGU			
<b>BATCH XIII</b>					
46	310616105095	VIGNESHWARAN J	A SMART AIS BASED PORTABLE WIRELESS	INHOUSE	MRS.SHANTHI

47	310616105307	S.VINOTH	CHARGING ELECTRIC VEHICLE		
<b>BATCH XIV</b>					
48	310616105087	THABASSUM ASHIFFAI	SMART SHOPPING DEVICE	INHOUSE	MRS.D.CHANDRAKALA
<b>BATCH XV</b>					
49	310616105057	M.PRADEEP KUMAR	SMART RENEWABLE ENERGY BASED HOME AUTOMATION SYSTEM USING MACHINE LEARNING TECHNIQUES	INHOUSE	MR.MARISH KUMAR

**Project Work – (2018-19)**  
**IV YEAR A SEC**

S.No.	REGISTER NO.	BATCH	Title of the Project	Inhouse / Industry	Guide Name
<b>BATCH 1</b>					
1.	310615105030	JANET.J	ANIMATRONIC WIRELESS HAND	INHOUSE	B.PONKARTHIKA
2.	310615105033	KAVITHA.M			
3.	310615105035	KIRAN CHANDER.R			
<b>BATCH 2</b>					
4.	310615105021	EZHILMATHY.J.R	IOT BASED PROGNOSTIC AND HEALTH MANAGEMENT OF RECHARGEABLE (LEAD-ACID) BATTERY	INHOUSE	G.VIGNESH
5.	310615105005	AKKIL.M.B			
6.	310615105013	ARAVIND RAJ.R			

<b>BATCH 3</b>					
7.	310615105010	ARUN KUMAR.A	SOLAR CELL AND BATTERY INTEGRATED MOBILE WATER PURIFICATION SYSTEM	INHOUSE	P. MARISHKUMAR
8.	310615105014	ASWINI.V			
9.	310615105025	HARISH.R			
10.	310615105024	HARINI GIRIDHAR			
<b>BATCH 4</b>					
11.	310615105034	V.KEERTHANA	MICROCONTROLLER BASED INTELLIGENT BATTERY CHARGING SYSTEM	INHOUSE	Dr.E.KALIAPPAN
12.	310615105046	B.MONICA			
13.	310615105315	SUMAN.S			
14.	310615105316	THIRUPAL.J			
<b>BATCH 5</b>					
15.	310615105006	AMITHA.S	INTELLIGENT GAS DETECTION AND ELIMINATION OF BLOCKAGE IN SEWAGE USING ROBOT MECHANISM	INHOUSE	K.V. THILAGAR
16.	310615105003	ADHITHYAN.K.G			
17.	310615105009	ARUN KUMAR.A			
<b>BATCH 6</b>					

18.	310615105019	BANUMATHI.P	SMART SHOE WITH LI-FI AND SOLAR REVIVER	INHOUSE	V.VIJEESH
19.	310615105026	HARSHINI.MV			
20.	310615105004	AISHWARYA SAI			
21.	310615105039	MADHAN KUMAR.R			
<b>BATCH 7</b>					
22.	310615105017	ATSHAYA.N	INTERFACING OF SOLAR AND WIND ENERGY CONVERSION SYSTEM USING SOLID STATE TRANSFORMER	INHOUSE	D.CHANDRAKALA
23.	310615105037	KRISHNA NANDANA.U			
24.	310615105038	LELLA SRI HARSHA			
25.	310615105036	KISHOREVIRUZAD.R			
<b>BATCH 8</b>					
26.	310615105043	MANOJ.M	MITIGATION OF VOLTAGE SAG AND TOTAL HARMOMIC DISTORTION USING HYBRID MULTILEVEL INVERTER BASED STATCOM	INHOUSE	D.CHANDRAKALA
27.	310615105029	JAGADEESH R MANI			
28.	310615105007	ANISH PRASHANTH.B			
29.	310615105001	S.R.AARTHI			
<b>BATCH 9</b>					



30.	310615105020	DWARAKANATHAN.S	EARTH VOLTAGE MONITORING AND ALERT SYSTEM FOR ATM SECURITY	INHOUSE	Dr. M.DEVA BRINDA
31.	310615105044	MANOJ KIRAN.D			
32.	310615105018	AYYAPPAN.C			
33.	310615105002	ABINAYA.R			
<b>BATCH 10</b>					
34.	310615105015	ASWIN.B.Y	HUMAN MACHINE INTERFACE FOR TRACKING AND CONTROLLING INTELLIGENT BATTERY CHARGING	INHOUSE	S.VIJAYAKUMAR.
35.	310615105012	ARUN SUBBIAH.M			
36.	310615105011	ARUN KUMAR.K			
37.	310615105008	ARUNDAS.M			
<b>BATCH 11</b>					
38.	310615105049	NEELABALAN.N	IMPLEMENTATION OF MQTT PROTOCOL FOR WIRELESS MONITORING OF INDUSTRIAL DRIVES USING IOT TECHNOLOGY	INHOUSE	Dr.E.KALIAPPAN
39.	310615105048	NAVEEN KUMAR.M			
40.	310615105023	HARIHARA SUDHAN			
41.	310615105308	PRAKASH D			
<b>BATCH 12</b>					

42.	310615105042	MANISHANKAR.V	QUICK CHARGING TOPOLOGY FOR E-VEHICLE BATTERY USING BRIDGELESS CONVERTER	INHOUSE	Dr.K.MALA
43.	310615105032	KAVIN.V.B			
44.	310615105031	JAYASURYA.I			
45.	310615105304	HARIKRISHNAN.R			
<b>BATCH 13</b>					
46.	310615105047	MOULIESWARAN.R	HUMAN COMPUTER INTERFACE (HCI) USING EYE GAZE COMMUNICATION SYSTEM	INHOUSE	K.A. INDU SAILAJA
47.	310615105312	SAROJ RISHI.K.S			
48.	310615105027	IBRAHIM PARVEZ.T			
<b>BATCH 14</b>					
49.	310615105702	HITESH SANAKARARAMAN.M	DESIGN OF A NOVEL LOW POWER CONVERTER FOR EV CHARGING	INHOUSE	Dr.R.KARPAGAM
50.	310615105301	BABU.S			
51.	310615105050	NISHANTH.P			
<b>BATCH 15</b>					
52.	310615105045	MEENU BALIKA.R	12 LEAD WIRELESS ECG DATA ACQUISITION AND TRANSMISSION BY BLUETOOTH	INHOUSE	G. VIGNESH
<b>BATCH 16</b>					

53.	310615105040	MADHUMITHA.S	INCREMENTAL CONDUCTANCE MPPT BASED SOLAR POWERED REAL TIME LED DISPLAY	INDUSTRY	V. VIJEESH
-----	--------------	--------------	--	----------	------------

#### IV YEAR B SEC

S.No.	REGISTER NO.	BATCH	Title of the Project	Inhouse / Industry	Guide Name
<b>BATCH 1</b>					
1.	310615105090	SWETHA K K	ENERGY CONSERVATION SYSTEM	INHOUSE	Dr. M.DEVA BRINDA
2.	310615105073	SANJANA T R			
3.	310615105062	PRIYADHARSHINI E B			
<b>BATCH 2</b>					
4.	310615105314	SHANTHA KUMAR.S	ELECTROMAGNETIC LEVITATION BASED ROPELESS ELEVATOR	INHOUSE	A.SIDDARTHAN
5.	310615105310	RAHUL.T			
6.	310615105306	KUMARAN.G			
7.	310615105313	SELVAMANI			
<b>BATCH 3</b>					
8.	310615105309	PRAKASH.E	SOLAR BASED WEEDER,SOWING	INHOUSE	P. MARISHKUMAR

9.	310615105303	GOPI.M	AND PLUCKING MACHINE		
10.	310615105094	VENKAT PRASANTH R			
11.	310615105302	DINESH KUMAR.T			
<b>BATCH 4</b>					
12.	310615105096	VIJAYA VIGNESH S	AUTOMATED SMART ATTENDANCE MONITORING AND LOAD	INHOUSE	Dr.R.KARPAGAM
13.	310615105091	THENMUGILAN E			
14.	310615105075	SATHISH KUMAR.M	CUTOFF USING ULTRA HIGH FREQUENCY RFID		
15.	310615105092	VISHNU VARDHAN			
<b>BATCH 5</b>					
16.	310615105069	RAJ KUMAR J	ROAD ACCIDENTS PREVENTING SMART HELMET USING EEG SENSOR	INHOUSE	D.FATHEMA FARZANA
17.	310615105071	SACHIN KUMAR S			
18.	310615105081	SOORYA PRAKASH P S			
19.	310615105086	SRINIVASAN S R			
<b>BATCH 6</b>					

20.	310615105305	KRSIHNA PRASATH.M	DESIGN AND DEVELOPMENT OF AUTOMATIC CLOTH FOLDING AND PRESSING MACHINE	INHOUSE	Dr.E.KALIAPPAN
21.	310615105066	RAGUL R			
22.	310615105079	SHRIVATSAV V V			
23.	310615105099	YESHWAANTH H E			
<b>BATCH 7</b>					
24.	310615105074	P.SAPTHAGIRI	GESTURE BASED COMMUNICATION AND AUTOMATION SYSTEM	INHOUSE	B. PONKARTHIKA
25.	310615105077	SELVADURAI K			
26.	310615105088	SUJITH GOPI			
27.	310615105068	RAJ GANESH N S			
<b>BATCH 8</b>					
28.	310615105095	VIGNESH M	TARIFF BASED PRIORITY LOAD CONTROL USING IOT	INHOUSE	G.VIGNESH
29.	310615105089	SURENDAR M			
30.	310615105055	PONVASANTHAN RAMASAMY ANNADURAI			
31.	310615105052	NOOHU NAWFAL S A			
<b>BATCH 9</b>					

32.	310615105053	PARVATHY G	AUTOMATED PLASTIC BOTTLE RECYCLING MACHINE	INHOUSE	K.A. INDU SAILAJA
33.	310615105054	PON NIROOBA V			
34.	310615105070	RAZIA APARNA R			
35.	310615105084	SREEVARSHA U			
<b>BATCH 10</b>					
36.	310615105063	PRIYADHARSHINI K	IOT BASED SMART WASTE DISPOSAL DETECTION AND INTIMATION SYSTEM	INHOUSE	P.PUSHPAKARTHICK
37.	310615105067	RAJALAKSHMI A			
38.	310615105072	SANGEETHA M			
<b>BATCH 11</b>					
39.	310615105097	VISALAKSHI ABIRAMI M	UNDERWATER WIRELESS COMMUNICATION USING LI-FI TECHNOLOGY	INHOUSE	K.V. THILAGAR
40.	310615105082	SOWMIYA S			
41.	310615105098	VISHALI P			
42.	310615105060	PREETHA P			
<b>BATCH 12</b>					
43.	310615105057	PRARTHANA PILLAI	SECURED VOTING SYSTEM WITH MULTI-FACTOR AUTHENTICATION	INHOUSE	J. LYDIA
44.	310615105065	RAGAVI E			

45.	310615105051	NIVEDHA S			
<b>BATCH 13</b>					
46.	310615105056	POOJHA C	SECURITY MANAGEMENT FOR VEHICLES	INHOUSE	J. LYDIA
47.	310615105080	SHRUTHI T			
48.	310615105078	SHIVANI T			
<b>BATCH 14</b>					
49.	310615105061	PREETHI N	SMART WASTE SEGREGATION DUSTBIN WITH FUEL CELL	INHOUSE	Dr.K.MALA
50.	310615105083	SOWNDARYA K			
51.	310615105064	PRIYANKA S			
<b>BATCH 15</b>					
52.	310615105058	PRASANNA VENKATESH P	PROSTHETIC ARM USING EMG SENSOR	INHOUSE	M.LAVANYA
53.	310615105087	SRIRAJASUGAN R			
54.	310615105085	SRIDHAR V			
55.	310615105093	VEER GANESH V			

**Project Work – (2017-18)**

<b>S. No</b>	<b>Name of the Student with Register Number</b>	<b>Title of The Project</b>	<b>Guide Name</b>	<b>Category (Social / Innovative / Industry)</b>
1	R.Aishwarya(310614105007)	Wearable Calling Band Using Body Conduction Principle	Dr.K.Mala	Innovative
	S.J.Dhivya(310614105027)			
	S.Menaka(310614105050)			
	M.Nonisha(310614105052)			
2	Y V Aishwarya(310614105008)	Child Rescue Robot	Mr.G Vignesh	Social
	M Jayasudha(310614105039)			
	P Meena(310614105049)			
	R S Nivetha(310614105061)			
3	Bavana K(310614105023)	Smart Voice Navigation system and Advanced cane for visually Impaired person	Ms.B.Ponkarthika	Social
	Gowsalya(310614105034)			
	Haritha M S(310614105037)			
	Mahalakshmi(310614105046)			
4	Aarthi S K(310614105001)	Estimation of state of charge and state of health of Lithium Battery	Dr.K.Mala	Industry
	Abinaya E(310614105002)			
	Ashika U(310614105020)			
	Janani E(310614105038)			
5	Krithin Kumar R(310614105044)	SAFER(Safety Analysis Fire Extinguishing Robot)	Mrs.R.Keerthana	Social
	Muhil P(310614105053)			
	M Nikhil Arjun(310614105059)			
	Nishanth K(310614105313)			
6	Bhavnes D(310614105305)	DUAL TRIPLE-PORT ACTIVE BRIDGE ISOLATED DC-DC CONVERTER	J.Lydia	Industry
	Dinesh Kumar N(310614105306)			
	K V Naveen Kumar(310614105312)			
	R Vijay Kymar(310614105315)			
7	Harihara Sudhan(310614105035)	A High – Voltage – Gain DC – AC Converter Based on Revised Dickson charge Pump Voltage Multiplier	Mrs.M.Padma Priya	Industry
	Joshua(310614105040)			
	Kiran Siddharth(310614105042)			
	Mahesh Kanna(310614105047)			
8	T.Aravindh(310614105302)	Power Theft Detection in Overhead line Using IOT	Mr.V.Vijeesh	Social



<b>S. No</b>	<b>Name of the Student with Register Number</b>	<b>Title of The Project</b>	<b>Guide Name</b>	<b>Category (Social / Innovative / Industry)</b>
	S.Asiq Ibrahim(310614105303) N.Ganapathi(310614105307) M.Naveen(310614105311)			
9	Charan Kumar G(310614105025) Gokkula Kannen R J(310614105030) Lokesh G(310614105045) Bharath Kumar M(310614105024)	Solar powered Locomotive Track Defect Locator	Mr.P.Senthilkumar	Industry
10	M Gopala Krishnan(310614105032) S Goutham(310614105033) R Hari Lokeshwaran(310614105036) R Muthu Veerappan(310614105054)	Real time implementation of IOT using M66 OPEN CPU for the dynamic control of conveyor belt fitted with DC Motor	Dr.R.Karpagam	Industry
11	A Arun KUmar(310614105016) G Arun Kumar(310614105017) A S Arun Pravin(310614105019) T Bala Murugan(31061410522)	SMART CIVIL SUPPLY SYSTEM	Mrs.K.A.Indu Sailaja	Social
12	Mohanram C(310614105051) Naganathan N(310614105056) Nagarajan G(310614105057) Nirmal M S(310614105060)	AUTOMATED SMART PERSONAL TRANSPORTER	Dr.E.Kaliappan	Innovative
13	Arjun(310614105014) Arun.G(310614105015) Fiyas Ahamed(310614105028) Gokul Kumar(310614105031)	Manhole Automation	Mr.P.Marish Kumar	Social
14	Abisheck C S(310614105003) Audithya R(310614105021) Ganesh A(310614105029) Ajay S(310614105301)	IOT BASED MONITORING OF WIRELESS POWER STATION	Dr.E.Kalaiappan	Industry
15	B Adithya(310614105006) V Ajay(310614105009) R A Arun Prasath(310614105018)	Power sharing Between Renewable Energy Using IOT	Mrs.D.Chandrakala	Industry
16	Keerthi Vasan S(310614105041)	Mine Detection BOT	Dr.E.Kaliappan	Innovative

<b>S. No</b>	<b>Name of the Student with Register Number</b>	<b>Title of The Project</b>	<b>Guide Name</b>	<b>Category (Social / Innovative / Industry)</b>
	Kishore Gowtham.K.S(310614105043)			
	Manimaran S(310614105048)			
17	R Anand(310614105012) S Anush Barat(310614105013) A.Nabeesh Ahamed(310614105055)	Energy Generation and Conservation in Mobile Towers	Mr.P.Pushpakarthick	Industry
18	Abishek Suresh .S(310614105004) Akram Basha(310614105010)	An Automated medical waste separation using Arduino Microcontroller	Mrs.M.Deva Brinda	Social
19	J.Adhityan(310614105005) Amrith Raj S(310614105011) Dheeraj Abilaji S(310614105026) Naveen G(310614105058)	IOT based Vehicle Parking Management System	Mr.K.V.Thilagar	Social
20	M Padma Shri(310614105063) A PAdmini(310614105064) E.Priyadarshini(310614105076) K Shivani(310614105094)	Smart Surveillance For Bank Security	Mr.K.V.Thilagar	Social
21	B.Priya(310614105074) M.Sonia(310614105097) M.A.Varsha(310614105113)	Automatic Prior Detection of Accidents And Potholes in Roads to Aid Drivers	Mr.V.Vijeesh	Social
22	S Reshma(310614105083) M Sowndharya(310614105099) R Surya(310614105103) P M Swathe(310614105105)	Self Generative Electrical Vehicle	Ms.B.Ponkarthika	Industry
23	R Swathi(310614105106) S P Thara Sri(310614105111) Varsha S(310614105114)	Multi - purpose smart Gardening Robot For Automated LAWN Maintainance Using Internet of Things(IOT)	Mr,G.Vignesh	Industry
24	R Shivani(310614105095) C Shruthi(310614105096)	E - Alert system _ automatic protection device for women	Mrs.R.Keerthana	Social

<b>S. No</b>	<b>Name of the Student with Register Number</b>	<b>Title of The Project</b>	<b>Guide Name</b>	<b>Category (Social / Innovative / Industry)</b>
	S Roopa Jayapriya(310614105314) E Sasikala(310614105317)			
25	Tharani R(310614105110) Shabeer Baksha(310614105318) Sham Sundar(310614105319) Siva Prakash(310614105320)	Record and Play Moving Arm Robot With Colour Detector	Mr.K.V.Thilagar	Industry
26	Pranav V Sarma(310614105066) M Rahul(310614105077) R Renganathan(310614105080) D Sai Prasad(310614105084)	Design and Development of Artificial Wind Tree Micro - Grid Power Generation.	Dr.E.Kaliappan	Innovative
27	Prithivirajan KA(310614105073) Thanveer Shimaq A(310614105109) Vijayanand M(310614105120) Syedu Muhammed M(310614105107)	Image Processing based Touchless Power Control using Augmented Reality	J.Lydia	Industry
28	Prasanna Nimbalkar(310614105069) Ramakrishnan G(310614105078) Rengarajan N(310614105081) Sriram A(310614105100)	Regenerative Quadcopter for Longer Flight Duration	Dr.K.Mala	Industry
29	Sakthivel T(310614105087) Swaminathan G(310614105104) Tharun G(310614105112) Venkatesh V(310614105118)	Highly sensitive pin accessibility for ATM using human body communication	Dr.R.Karpagam	Industry
30	Veera Raghavan M(310614105116) S.Gowtham Shankar(310614105309) B.Bharathiraja(310614105304) S.Naresh(310614105310)	Head Movement Controlled Wheel Chair	Dr.R.Karapagam	Social
31	R. Poongothai(310614105065) K. Reshma(310614105082) L. Praveena(310614105501)	Optimisation of Fault Current Limiter Placement in IEEE 30 bus Distribution system using ETAP Software	Mrs.M.Deva brinda	Industry
32	Pranesh P(310614105067) Sathiya Seelan D(310614105091)	Single- Switch voltage equalizer using multi staced buck-boost converters for partially shaded photovoltaic modules	Mrs.R.Keerthana	Industry

<b>S. No</b>	<b>Name of the Student with Register Number</b>	<b>Title of The Project</b>	<b>Guide Name</b>	<b>Category (Social / Innovative / Industry)</b>
	Surendhar D(310614105101) Priyadharshan S(310614105075)			
33	Vishaal Prabhakar(310614105122) Varun K(310614105115) Suresh Kumar P(310614105102) Pranov Kumaran K(310614105068)	Automatic medicine tray with Line Follower Robot Navigation	Mrs.Baby Shynela	Social
34	Rehan Abrar F(310614105079) Sakthivel M(310614105086) Sootuchamy V(310614105098) Tamil Mani P R(310614105108)	Battle field debris clearance Robot	Mrs.K.A.Indu Sailaja	Social
35	Shankara Narayanan K(310614105092) Saravanan R N(310614105090) Santhosh Kumar M(310614105089) Padmanaban U(310614105062)	IOT based smart energy meter	Mrs.M.Padma Priya	Industry
36	Sharath Rajagopalan(310614105093) Prem R(310614105072) C.Ganesh Kumar(310614105308)	Flexible low power IOT Controller for solar panel cleaning	Mr.P.Pushpakarthick	Industry
37	Praveen P (08/09/1996)(310614105070) Venkatesan S(310614105117) Vigneshwar T S(310614105119) Yokesh K(310614105123)	Solar Powered street light monitoring system using ZIGBEE communications and Sensors.	Mr.P.Marish Kumar	Social
38	Praveen P(07/04/1997)(310614105071) Sam Prakash M(310614105088) Vijayaragavan M(310614105121) B.Sai Balaji(310614105316)	Implementation of transformer winding tap injection DSTATCOM topology for reactive power compensation	Mrs.D.Chandrakala	Industry
39	Sai Prasad R(310614105085)	Smart Agriculture using Sensors and Image Processing System.	Mr.P.Senthilkumar	Social

### Project Work – Classification (2016-17)

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / Industrial	Type
1	310613105013	Ashwath Narayan.R	Intelligent PV module with Enhance Efficiency	In-House	Research Based
	310613105003	Akilesh.G			
	310613105026	Gobalakrishnan.G.V			
	310613105019	Deepan Raj.D			
2	310613105030	Harathy.G	Self Powered Mobile Towers Using SBC	In-House	Social Relevant
	310613105025	Geraldene Anita.J			
	310613105054	Mary Kaaviya.A			
	310613105307	Sujith.V			
3	310613105053	Manoj Kumar.B	An Affordable wearable device for Continuous monitoring of children's Pneumonia	External	Social Relevant
	310613105055	Mohamed Asif Hassan.H			
	310613105048	Madhumita Krishnan			
	310613105027	Gobinath.B			
4	310613105034	Jaganathan S	Model Predictive MPPT Control based Solar Power Conditioning Unit	External	Industry Need Based
	310613105022	Divya Abirami R			
	310613105304	Ramesh Kumar K			
	310613105308	Surendher E			
5	310613105004	C.Akshay	An Optimal and	In-House	Innovative

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / Industrial	Type
	310613105001	N.Aakash	Learning based demand response and Energy Management System		
	310613105021	Dineshkar S			
	310613105009	M.Arun			
6	310613105002	Aarthy D	Avegule Transit Aid System	In-House	Social Relevant
	310613105005	Anandhu Ajith Vyas			
	310613105017	Chitharthan S			
	310613105018	Cynthia E			
7	310613105044	V Kishore	E Vehicle System Automatic Speed Control Using Zigbee Protocol	In-House	Innovative
	310613105008	P Aravind			
	310613105057	Mohammed Umar S			
	310613105314	Yogeshwar T			
8	310613105006	S.Anitha	Low cost Plug-in hybrid Electrical Vehicle	In-House	Innovative
	310613105034	Indumathi E			
	310613105056	Mohammad Fazil H			
9	310613105036	R.Jaganivasan	Smart Patch for Stress Relief	In-House	Social Relevant
	310613105024	Ganesh Arvind C			
	310613105028	Gokulakrishnan J			
	310613105033	G.Harish			
10	310613105031	K.Harini Sri	Implementation of Excitation Control in	External	Industry Need Based
	310613105007	P.Anupriya			

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / Industrial	Type
	310613105051	S.Manju	Alternators using PLC in combination with multiplexer		
	310613105038	kannan			
11	310613105039	S.karthikeyan	Design and Implementation of Single Phase SPWM based pure sine Wave inverter for Standalone PV Application	In-House	Research Based
	310613105040	A.Kavya			
	310613105309	T.thirupathi			
12	310613105032	Harinya.K	Reading Assistance System for Visually Challenged Individuals Using OCR and Machine Learning	In-House	Social Relevant
	310613105047	K.Logesh Kumar			
	310613105011	Arvind.R.Prakash			
	310613105010	Arun Shankar.S			
13	310613105029	Gosakan	Mine detecting Rover	In-House	Innovative
	310613105014	Aswath.R			
	310613105043	Kishore.M			

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / Industrial	Type
	310613105042	Keshav			
14	310613105016	Balaji.K	High Performance Solar PV system with High Efficient DC-DC Converter	In-House	Research Based
	310613105015	Azzarudeen Ahmed.R			
	310613105041	Keerthi Prasanna.M			
	310613105035	Jacob Zacharia.PS			
15	310613105049	N.Malli Chetty	Microcontroller Based Cooling Tower Control	External	Industry Need Based
	310613105052	S.Manoj			
	310613105012	V.Ashok Varadhan			
	310613105020	I.Dinesh			
16	310613105023	Divya Bharathi M	Power Imbalance Control in Photovoltaic Power plant using Delta connected cascaded H-Bridge Multilevel Converter	In-House	Research Based
	310613105046	Lingeswari S M			
	310613105050	Manimala M			
	310613105310	Vaitheshwaran V			
17	310613105070	N.Rajesh Kumar	Vertical Axis Wind Turbine Power	In-House	Industry Need Based
	310613105086	P.Sreeram			



Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / Industrial	Type
	310613105065	S.Prasanth	Generation and Load Sharing Using PIC Controller		
	310613105302	A.Gokul			
18	310613105064	S.T. Prasanna	Design and Implementation PV- Wind Hybrid System Using Power Conditioning Units	In-House	Social Relevant
	310613105088	S.Srividhya			
	310613105089	Srividya.S			
	310613105301	J.H.Fouzul Rahman			
19	310613105311	P.Varadharajan	Energy Auditing and Evaluation Of Harmonics In Our College Campus	In-House	Industry Need Based
	310613105069	A.Rajalakshmi			
	310613105306	S.Sathiyarayanan			
	310613105313	V.Vikram			
20	310613105102	P.Vignesh	Smart Solar Vehicle	In-House	Industry Need Based
	310613105083	V.T.Senthil Selvan			
	310613105091	A.Sunil			
	310613105104	V.Vigneshwar			
21	310613105101	G.Vignesh	The Smart	In-House	Innovative

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / Industrial	Type
	310613105059	K.Muralikrishnan	System for Improving Batsmen Efficiency In Cricket		
	310613105110	E.S.Yukesh			
	310613105109	K.S.Yashwanth			
22	310613105103	Vignesh Ravi	Affordable Diagnostic Infused Thermal Incubator	External	Social Relevant
	310613105106	Vijayakumar A			
	310613105060	Naveen Balakumar KTS			
	310613105079	Saranganivas R			
23	310613105074	N.Rohit Srinivasan	Genesis of Smart Card	In-House	Application Based
	310613105063	B.Prakash			
	310613105085	A.P.Sree Viknesh			
	310613105073	R.Revanth			
24	310613105058	Mohammed Zeeshan	Human Tremor Analysis and Control	In-House	Social Relevant
	310613105076	Sachindra Ragul			
	310613105066	Prem.J			
	310613105108	K.Vinoth			
25	310613105312	Vignesh M	Single Switch Isolated Quasi Z-Source DC-DC Converter for	In-House	Research Based
	310613105098	Varsha c.satish			
	310613105303	Jaganathan M			

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / Industrial	Type
	310613105078	sangeetha T	Photovoltaic Application		
26	310613105099	Varun.S	Environment Recognition and Safety Protocol for Fire Fighters	In-House	Social Relevant
	310613105100	Vidhya Venkat			
	310613105105	Vigneshwaran			
	310613105305	B.Saravana Shankar			
27	310613105082	Sathiya.J	Hybrid MPPT Technique Using Fuzzy Logic and Ant Colony for the Effect Of Solar Pumping Head	In-House	Research Based
	310613105095	Tamil Arasi.T			
	310613105093	Swarna Priya Dharshini.J			
	310613105075	P.Sabarinathan			
28	310613105068	Priyanka.S	PLC Based HMI Design of Inter Connecting transformer Protection and control	In-House	Industry Need Based
	310613105067	Priya Dharshini.S			
	310613105087	Srinithi			
29	310613105094	Swathi.G	MPPT for PV based SEPIC Inverter	In-House	Research Based
	310613105092	Suvalakshmi.S			
	310613105072	Rathnakala.G			

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / Industrial	Type
	310613105061	Nisha.B	Cascaded System		
30	310613105097	Vaishnavi.D	SWACHH YANTRAMAN AV (A Multipurpose Cleaning Robot)	In-House	Social Relevant
	310613105062	Pavatharene.K			
	310613105080	Sarath kumar.K			
	310613105084	Siva kumar.G			
31	310613105077	Sangeetha.B	ANURAKSH- Wearable for women safety with self defence system using Bluetooth and Raspberry Pi	In-House	Social Relevant
	310613105096	S.Vaishali			
	310613105081	Sathish Kumar.J			
	310613105090	M.Subham			
32	310613105071	Ramya.v	Design And Development Of Dry Leaf Recycler and Compost Depositing System	In-House	Social Relevant
	310613105111	Yuvaraj.P			

**Project Work – Classification (2015-16)**

<b>Batch No.</b>	<b>Register Number</b>	<b>Name of the Students</b>	<b>Title Of The Project</b>	<b>In-House / External</b>	<b>Type</b>
1	310612105074	S. Sahana	Fuzzy Based Speed Control, Regenerative Braking And Open Switch Fault Protection For Three Phase BLDC Motor	In-House	Research Based
	310612105073	K.Z. Riyazul Huq			
	310612105318	M. Niranjan			
	310612105304	D. Ashraf Ali			
	310612105091	M. Sriraman			
2	310612105078	M. Sathish	Prevention Of Electrocutation From Fallen Distribution Lines	In-House	Social Relevant
	310612105077	G.Sanjaykumar			
	310612105067	R.Rajakumar			
	310612105072	Riti P Kumar			
3	310612105057	G.R.Pavithra	A New Fault Location Algorithm For Series Compensated Extra High Voltage Transmission Line Using Fully Adaptive Phasor Measurement	In-House	Innovative
	310612105065	D.Ragavi			
	310612105095	S.Thatchinamoorthy			
	310612105096	M.Ulaganathan			

<b>Batch No.</b>	<b>Register Number</b>	<b>Name of the Students</b>	<b>Title Of The Project</b>	<b>In-House / External</b>	<b>Type</b>
			Unit		
4	310612105106	K.S.Vivin	Implementation Of Multipower Generation System Using Railway Traction System	In-House	Application Based
	310612105086	P.Sivaprakash			
	310612105097	P.Vasanth			
	310612105312	E.Kameshwaran			
5	310612105076	E.Sandiya	X10 Protocol Based Data Transmission Through Power Line For Protection Of Induction Motors	In-House	Industry Need Based
	310612105088	D.Sowmiya			
	310612105083	S.Shrivatsav			
	310612105092	Sulthan			
6	310612105064	B.Priyanka	Power Factor Correction Of PMBLDC Motor Using Isolated Zeta Converter	In-House	Industry Need Based
	310612105308	S.G.Gokul Raaj			
	310612105315	N.Kirubakar			
	310612105325	S.Sethupathy			
7	310612105056	J.H.Oscar	High Performance Discrete Time	In-House	Research Based
	310612105081	S.Sheik Dawood			

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / External	Type
	310612105326	P.Tamizharasan	MIMO Logic Control For BLDC Motor Speed Regulation		
	310612105098	P.Vasigaran			
8	310612105103	G.Vinodhini	Design Of Smart Home For People With Locked In Syndrome Using Brain Computer Interface	In-House	Social Relevant
	310612105309	P.Indumathi			
	310612105317	P.Murali			
	310612105087	G.Sivaranjani			
9	310612105071	R.Revathy	Vision Based Intelligent Front Light System Using Led	In-House	Social Relevant
	310612105075	R.Sai Vijayeendra			
	310612105327	Venkatesan			
	310612105324	Satheesh Balaji			
	310612105060	Pranav Kumar			
10	310612105090	S.Sreyas	Design Of A Compact Tool For Quality Certification Of Vibration Sensor	In-House	Industry Need Based
	310612105102	R.Vijayakumar			
	310612105105	Vishnu Vardhan			
	310612105066	Rahul			

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / External	Type
11	310612105104	M.Vinodhini	Integrated on-board diagnostics for vehicular emission monitoring using internet of things(IOT)	External	Innovative
	310612105082	S.Shilpi			
	310612105068	Raj Kumar			
	310612105324	I.Karthikeyan			
12	310612105079	M.Selvadurai	Implementation Of Peltier Sensor For Generating Voltage From Human Body Using In A Low Power Applications	In-House	Innovative
	310612105069	R.Ramkumar			
	310612105061	K.Prashanth			
	310612105084	A.Shyam Prakash			
13	310612105058	M.Pooja	Cadaver And Forensic Data Management In The Design Of Mortuary Using PLC & SCADA System	In-House	Social Relevant
	310612105328	A.Vignesh			
	310612105070	N.Renuka			
	310612105301	R.Akshay Kumar			
14	310612105089	V.Sreeram	Advanced Toll Automation	In-House	Innovative
	310612105093	R.Surendar Rahul			



<b>Batch No.</b>	<b>Register Number</b>	<b>Name of the Students</b>	<b>Title Of The Project</b>	<b>In-House / External</b>	<b>Type</b>
	310612105094	S.Suresh Kumar	Using RFID		
	310612105107	J.Yuvaraj			
15	310612105080	D.Shanmugaraja	Improving Performance Of E-Bicycle By Using Smart Turbine Setup	In-House	Research Based
	310612105059	R.Pradeep			
	310612105099	R.Venkatesh			
	310612105101	Vigneshwaran			
16	310612105702	B.Kribakaran	H6 Transformerless Grid – Tied Inverters For Renewable Applications	In-House	Research Based
	310612105100	S.Vignesh			
	310612105303	Ashok Raja			
	310612105085	Singaravelan			
17	310612105014	Anirudhan K.S	Disaster management and rescue operation using radio frequency communication	External	Social Relevant
	310612105042	Karthick Chidabaram .S			
	310612105015	Aravind .S			
	310612105046	Krishna. D			
18	310612105040	Kapil .M	Design and implementation	External	Research Based

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / External	Type
	310612105030	Gokul Pandian .C	of MAS in renewable energy Power generation system		
	310612105033	Hariharasudan .R			
	310612105320	S.Rakesh			
19	310612105001	Abhilash Unnikrishnan	Thermal power plant Based automatic coal conveyor system	In-House	Industry Need Based
	310612105011	Akshay Jayakumar			
	310612105052	Mohamed Javed Charar .M			
	310612105310	I.Jayakumar			
20	310612105009	Akkshara .C.G	Load Frequency Control Of Two Area Smart Grid Using Neuro Fuzzy	In-House	Research Based
	310612105038	Jeyakeerthana .J			
	310612105020	Arivazhagan. K			
	310612105901	S.K. Rishikesh			
21	310612105026	Deepak .M	Design And Implementation Of Domestic Wind Turbine Using Solar Powered Electromagnets	In-House	Research Based
	310612105016	Aravindan. J			
	310612105029	Dinesh. M			
	310612105028	Dharmaraj .K			

<b>Batch No.</b>	<b>Register Number</b>	<b>Name of the Students</b>	<b>Title Of The Project</b>	<b>In-House / External</b>	<b>Type</b>
22	310612105027	Devarajan. D	Biomechanical Energy Generator For Off Grid Users	In-House	Innovative
	310612105035	Iyyappan .M			
	310612105032	Hariharan .S			
	310612105034	Henna Shahani			
23	310612105041	Karthick .T.N	Optimized solar powered vehicle for The physically challenged with Location tracking	In-House	Social Relevant
	310612105007	Ajith Kumar .V			
	310612105051	Meiarul Selvam. R			
	310612105006	Ajaykumar. U			
24	310612105044	Karthik .R	Automatic Smart city Power Consumption Control Unit.	External	Industry Need Based
	310612105043	Karthick Sundar .S			
	310612105055	Nithesh .P			
	310612105036	Jagadeeswaran .M			
25	310612105050	Manoj. S	Energy audit implementation for college campus	In-House	Industry Need Based
	310612105031	Govindan .V			
	310612105018	Aravinthraja I.P			
	310612105323	M. Sankara Narayanan			

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / External	Type
26	310612105054	Nandhakumar. G	Implementation of Distributed power flow controller for mitigation of voltage sag/swell	In-House	Industry Need Based
	310612105048	Lakshmi Narayanan R			
	310612105307	K.Ganesh Babu			
	310612105319	M.Rajkumar			
27	310612105045	Keerthana. I	Temperature Sensor Based Intelligent Cooling And Cleaning Mechanism For High Efficiency Solar Panels	In-House	Research Based
	310612105005	Aishwarya .G.V.P			
	310612105023	Balaguru. S			
	310612105311	V.Kamal			
28	310612105004	Aishwarya .B.V	Visible light communication link protection mechanism for smart factory	In-House	Industry Need Based
	310612105021	Athiya R.V			
	310612105012	Akshay Venkata Subramanian. R			
	310612105008	Akash .K			

Batch No.	Register Number	Name of the Students	Title Of The Project	In-House / External	Type
29	310612105010	Akshaya .S	Solar PV Array Fed BLDC Motor Drive Using Particle Swarm Optimization (Mppt) For Smart Irrigation System	In-House	Research Based
	310612105025	Bhavani .P			
	310612105316	T.Manimegalai			
	310612105002	Abinaya. G			
30	310612105053	Monishaa .S.S	Smart Soot Blower Employing Temperature Sensor With Improved Efficiency And Economy	In-House	Industry Need Based
	310612105306	R.Divya			
	310612105322	R.Ruhid			
	310612105047	Lakshmi Krishnaswamy			
31	310612105003	Aishwariya. A	An High-Power 3-Level Interleaved Flyback Inverter For Photovoltaic Applications	In-House	Research Based
	310612105049	Maneesha. R			
	310612105037	Jaihind .G			
	310612105302	P.Arun Kumar			

<b>Batch No.</b>	<b>Register Number</b>	<b>Name of the Students</b>	<b>Title Of The Project</b>	<b>In-House / External</b>	<b>Type</b>
32	310612105019	Archana .G	FPGA Basedd Image Processing For Face Detection	In-House	Research Based
	310612105022	Bala Chandran. S			
	310612105024	Balaji .K			
	310612105313	M.Karthick			