



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act. No. 30 of 2008)
ANANTHAPURAMU – 515 002 (A.P) INDIA

Course Structure & Syllabus for B.Tech. (Regular)
R13 Regulations
CIVIL ENGINEERING

B.Tech. I YEAR

S.No	Course code	Subject	Th	Tu/Drg/Lab.	Credits
1.	13A52101	Communicative English	2	- - -	3
2.	13A56101	Engineering Physics	2	- - -	3
3.	13A51101	Engineering Chemistry	2	- - -	3
4.	13A54101	Mathematics - I	3	1 - -	5
5.	13A12101	Programming in C & Data Structures	3	1 - -	5
6.	13A01101	Engineering Mechanics	3	1 - -	5
7.	13A03101	Engineering Drawing *	1	- 5 -	5
8.	13A12102	Programming in C & Data Structures Lab	-	- - - 3	4
9.	13A99102	Engineering Physics & Engineering Chemistry Lab **	-	- - - 3	4
10.	13A99103	Engineering & IT Workshop #	-	- - - 3	4
11.	13A52102	English Language Comm. Skills Lab	-	- - - 3	4
Total Credits					45

Th = Theory; Tu = Tutorial, Drg= Drawing & Lab = Laboratory:

* Engineering Drawing will have University External Exam.

** The students shall attend the Physics lab and Chemistry lab in alternate weeks. The end exam shall be conducted separately and average of the two exams shall be recorded by the University exam section.

The students shall attend Engineering workshop and IT work shop as a single lab every week and the end exam is conducted as a single lab. Sharing the Maximum marks and time for one task each from Engineering workshop and IT workshop. The sum of the marks awarded shall be recorded

S.V. Padmanjara Rani
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAI UR, SPSP Nellore Dist


B.Tech. II - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A54301	Mathematics – II	3	1 -	3
2.	13A99301	Electrical & Mechanical Technology	3	1 -	3
3.	13A01301	Strength of Materials – I	3	1 -	3
4.	13A01302	Surveying – I	3	1 -	3
5.	13A01303	Fluid Mechanics	3	1 -	3
6.	13A01304	Building Materials & Construction	3	1 -	3
7.	13A01305	Surveying Lab – I	-	- 3	2
8.	13A01306	Strength of Materials Lab	-	- 3	2
Total Credits					22

B.Tech. II - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A54303	Probability & Statistics	3	1 -	3
2.	13A01401	Strength of Materials – II	3	1 -	3
3.	13A01402	Hydraulics & Hydraulic Machinery	3	1 -	3
4.	13A01403	Environmental Science	3	1 -	3
5.	13A01404	Structural Analysis – I	3	1 -	3
6.	13A01405	Surveying – II	3	1 -	3
7.	13A01406	Fluid Mechanics & Hydraulic Machinery Lab	-	- 3	2
8.	13A01407	Surveying Lab – II	-	- 3	2
Total Credits					22

Note: Survey Camp for a duration of two weeks to be conducted before the commencement of III B.Tech. – I Sem classwork, in the II B.Tech. – II Sem break. This survey camp has to be evaluated for 50 marks by the internal faculty. It has a weightage of 2 credits. The marks and credits will be incorporated in IV B.Tech. – II Sem marks memo.



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KODAVAI UR. SPSP Nellore Dist

B.Tech. III - I Semester

S.No	Course code	Subject	Theory	Tu/ Drg / Lab	Credits
1.	13A01501	Building Planning & Drawing	2	- 2 -	3
2.	13A01502	Design & Drawing of Reinforced Concrete Structures	2	- 2 -	3
3.	13A01503	Concrete Technology	3	1 - -	3
4.	13A01504	Water Resources Engineering – I	3	1 - -	3
5.	13A01505	Structural Analysis – II	3	1 - -	3
6.	13A01506	Engineering Geology	3	1 - -	3
7.	13A01507	Engineering Geology Lab	-	- - 3	2
8.	13A01508	Concrete Technology Lab	-	- - 3	2
9.	13A52502	Advanced English Language Communication Skills Lab (Audit)	-	- - 3	-
Total Credits					22

B.Tech. III - II Semester

S.No	Course code	Subject	Theory	Tu/ Drg / Lab	Credits
1.	13A01601	Design & Drawing of Steel Structures	2	- 2 -	3
2.	13A01602	Geotechnical Engineering – I	3	1 - -	3
3.	13A01603	Environmental Engineering	3	1 - -	3
4.	13A01604	Water Resources Engineering – II	3	1 - -	3
5.	13A01605	Estimating, Costing and Valuation	3	1 - -	3
6.	13A01606	Transportation Engineering – I	3	1 - -	3
7.	13A01607	Geotechnical Engineering Lab	-	- - 3	2
8.	13A01608	Environmental Engineering Lab	-	- - 3	2
9.	13A52301	Human Values & Professional Ethics (Audit)	2	- - -	-
Total Credits					22


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KODAVAI UR. SPSP Nellore Dist

B.Tech. IV - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A52501	Managerial Economics & Financial Analysis (MEFA)	3	1 -	3
2.	13A01701	Bridge Engineering	3	1 -	3
3.	13A01702	Geotechnical Engineering – II	3	1 -	3
4.	13A01703	Transportation Engineering – II	3	1 -	3
5.		Elective – I (Open Elective)	3	1 -	3
		Elective – II			
6.	13A01704 13A01705 13A01706	Ground Improvement Techniques Air Pollution and Quality Control Construction Technology and Project Management	3	1 -	3
7.	13A01707	CAD Lab	-	- 3	2
8.	13A01708	Highway Materials Lab	-	- 3	2
Total Credits					22

B.Tech. IV - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A01801	Advanced Structural Engineering	3	1 -	3
2.	13A01802	Design and Drawing of Irrigation Structures	3	1 -	3
		Elective – III			
3.	13A01803 13A01804 13A01805 13A01806	Advanced Foundation Engineering Water Shed Management Remote Sensing & GIS Rehabilitation and Retrofitting of Structures	3	1 -	3
		Elective – IV			
4.	13A01807 13A01808 13A01809 13A01810	Experimental Stress Analysis Prestressed concrete Earth Quake Resistant design of Structures Environmental Impact Assessment and Management	3	1 -	3
5.	13A01811	Seminar & Comprehensive Viva-Voce	-	-	3
6.	13A01812	Project	-	-	8
7.	13A01813	Survey Camp (Conducted before III B.Tech. – I Sem)	-	-	2
Total Credits					25

S.V. Padmaja Rani
PRINCIPAL

4



ENGINEERING INTEGRATED TRAINING INSTITUTE

Regd. office at No. 23/896, 1st Floor, Wahabpct, Nellore-524003

Date: 09/02/2017

CERTIFICATE

This is to certify that the project entitled
"ESTIMATION OF RUNOFF IN AN GAUGED WATERSHED USING SCS - CN MODEL
SUPPORTED WITH GIS AND RS"

Carried out by

E.SAHANA	13JN1A0116
MD.ASLAM	13JN1A0134
N.KIRAN KUMAR	13JN1A0136
T.SUDHEER BABU	13JN1A0150
C.SIVAKUMAR	13JN1A0112
BASHOK	13JN1A0106

Pursuing B.Tech IV year CIVIL from SREE VENKATESWARA
ENGINEERING COLLEGE, Nellore towards the fulfillment of their Bachelor Degree
during the period 10/02/2017 to 09/03/2017.

During the above said period, their interest towards the Project Work was highly
appreciable.

For Engineering Integrated Training Institute

K. Manidhal
Managing Partner



SREE VENKATESWARA COLLEGE OF ENGINEERING

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUA, Ananthapuramu)

NH-5, NORTH RAJUPALEM, KODAVALURU, SPSR NELLORE DL.



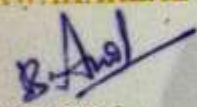
CERTIFICATE

This is to certify that the project work entitled "TRANSLUCENT CONCRETE"
is the bonafide work submitted

By

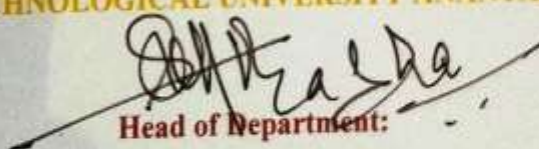
SK.FAYAZ	(13JN1A0144)
T.SWETHA	(13JN1A0153)
M.VENKAT SUBBAIAH	(13JN1A0132)
N VENKATA RAMANA	(13JN1A0137)
A. SIVA SAI	(13JN1A0103)
T.INDRA SENA KUMAR REDDY	(14JN5A0106)

during the year 2016-2017 in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.


Project Guide:

Mr. B.ANIL KUMAR M.Tech

Asst. Prof. of CIVIL ENGG.


Head of Department:

Mr. SK. HUMAYUN BASHA M.Tech

Assoc. Prof. of CIVIL ENGG.

Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavalluru, SPSR Nellore (DL), Pin : 524111

External Examiner: 

Date: 20/4/2017

SREE VENKATESWARA COLLEGE OF ENGINEERING
(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUA, Ananthapuramu)
NH-5, NORTH RAJUPALEM, KODAVALURU, SPSR NELLORE Dt.



CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL STUDY ON USING PALM KERNEL SHELLS AS A REPLACEMENT MATERIAL FOR COARSE AGGREGATES IN MAKING LIGHT WEIGHT CONCRETE" is the bonafide work submitted by Y.SAHAJA(13JN1A0157), V.VENKATA ANIL KUMAR (13JN1A0154), N.LOKESH KUMAR (13JN1A0138),T.LAKSHMI PRATHIKA (13JN1A0151), A.AKHIL KUMAR (13JN1A0101) during the year 2016-2017 in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.

Project Guide:

Mr.SK. HUMAYUN BASHA M.Tech

Assoc. Prof. of CIVIL ENGG.

Head of Department:

Mr. SK. HUMAYUN BASHA M.Tech

Assoc. Prof. of CIVIL ENGG.

HOD
Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavuluru, SPSR Nellore (Dt), Pin: 524316.

External Examiner:

v.  20/4/17

Date: 20/4/2017

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUA, Ananthapuramu)

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CERTIFICATE

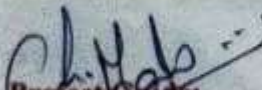
This is to certify that the project work entitled "DESIGN AND ESTIMATION OF SUBGRADE FOR A FLEXIBLE PAVEMENT AT SVCE COLLEGE"

is the bonafide work submitted

By

K. SRI VARSHA	(13JN1A0126)
K.VENKATESH	(13JN1A0127)
SK. RASHITH NAWAZ	(13JN1A0147)
P. SANDEEP	(13JN1A0139)
SK.MUZAKIR HUSSAIN	(13JN1A0145)
S. SAI SUJITH	(13JN1A0149)

during the year 2016-2017 in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.

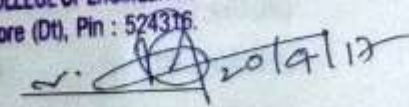

Project Guide:

Mr. CH. MAHESH M.Tech
Asst. Prof. of CIVIL ENGG.


Head of Department:

Mr. SK. HUMAYUN BASHA M.Tech
Assoc. Prof. of CIVIL ENGG.
HOD

Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavaluru, SPSR Nellore (Dt), Pin : 524316.

External Examiner: 

Date: 20-4-2017

SREE VENKATESWARA COLLEGE OF ENGINEERING

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NH-5, NORTH RAJUPALEM, KODAVALURU, SPSR NELLORE Dt.



CERTIFICATE

This is to certify that the project work entitled "PERFORMANCE ANALYSIS AND REDESIGN OF ROTARY INTERSECTIONS IN NELLORE CITY"

is the bonafide work submitted

By

R.SHAILESH	(13JN1A0142)
K.ANIL	(13JN1A0130)
P. MANOJ	(13JN1A0141)
G. RAMA SIVA	(13JN1A0121)
P. VENKATESH	(13JN1A0155)

during the year 2016-2017 in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.

B. Supraja
Project Guide:

Ms. B. SUPRAJA M.Tech

Asst. Prof. of CIVIL ENGG.

SK. Humayun Basha
Head of Department:

Mr. SK. HUMAYUN BASHA M.Tech

Assoc. Prof. of CIVIL ENGG.

HOD

Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavaluru, SPSR Nellore (Dt), Pin : 524316.

External Examiner: *20/04/2017*

Date: 20-04-2017

SREE VENKATESWARA COLLEGE OF ENGINEERING

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NH-5, NORTH RAJUPALEM, KODAVALURU, SPSR NELLORE Dt.



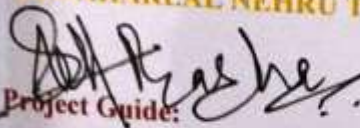
CERTIFICATE

This is to certify that the project work entitled "CONCRETE WITH SPONGE IRON SCRAP MATERIAL AS COARSE AGGREGATE" is the bonafide work submitted

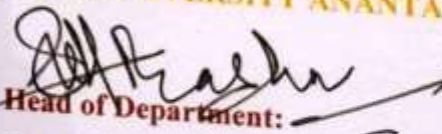
By

SK.YASIN	(14JN5A0104)
K.SUDHEER	(13JN1A0128)
SK.ZAMEER	(14JN5A0107)
B.ANKAI AH	(13JN1A0107)
SK.AYUB KHAN	(14JN5A0103)

during the year 2016-2017 in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.

Project Guide: 

Mr. SK. HUMAYUN BASHA M.Tech
Assoc. Prof. of CIVIL ENGG.

Head of Department: 

Mr. SK. HUMAYUN BASHA M.Tech
Assoc. Prof. of CIVIL ENGG.

Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavuru, SPSR Nellore (Dt), Pin : 524316.

External Examiner: 

Date: 20/04/2017

SREE VENKATESWARA COLLEGE OF ENGINEERING

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NH-5, NORTH RAJUPALEM, KODAVALURU, SPSR NELLORE Dt.



CERTIFICATE

This is to certify that the project work entitled "DESIGN, ESTIMATION & ANIMATION OF AN INSTITUTIONAL BUILDING: (TIRUPATHI TCS ION CENTER)" is the bonafide work submitted

By

B V S RAHUL SARMA	(13JN1A0108)
Ch V V Prasad	(13JN1A0110)
K RAVI VARMA	(13JN1A0131)
M SUKUMAR	(13JN1A0133)
B HARISH	(12JN1A0108)

during the year 2016-2017 in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.**


Project Guide:

Mr. CH. MAHESH M.Tech

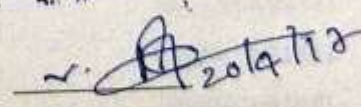
Asst. Prof. of CIVIL ENGG.


Head of Department:

Mr. SK. HUMAYUN BASHAM Tech

Assoc. Prof. of CIVIL ENGG.
HOD

Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavaluru, SPSR Nellore Dt.

External Examiner: 

Date: 20-04-2017

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUA, Ananthapuramu)

NH-5, NORTH RAJUPALEM, KODAVALURU, SPSR NELLORE Dt.



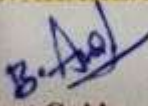
CERTIFICATE

This is to certify that the project work entitled "STABILIZATION OF SOIL USING
AGRICULTURAL AND INDUSTRIAL ADMIXTURES"
is the bonafide work submitted

By


D.N.VYSHNAVI	(13JN1A0113)
LANUSHA LAKSHMI	(13JN1A0125)
P.ANIL KUMAR REDDY	(13JN1A0159)
B.SAIRAM	(13JN1A0105)
P.KUMARI	(14JN5A0101)

during the year 2016-2017 in partial fulfillment of the requirements for the award of
degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.


Project Guide:

Mr. B.ANIL KUMAR M.Tech


Asst. Prof. of CIVIL ENGG.


Head of Department:

Mr. SK. HUMAYUN BASHA M.Tech

Assoc. Prof. of CIVIL ENGG.

HOD
Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavaluru, SPSR Nellore (Dt), Pin-524316.

External Examiner: 

Date: 30/04/2017

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUA, Ananthapuramu)

NH-5, NORTH RAJUPALEM, KODAVALURU, SPSR NELLORE Dt.



CERTIFICATE

This is to certify that the project work entitled "A STUDY ON STRENGTH COMPARISON OF M40 GRADE CONCRETE USING MINERAL AND CHEMICAL ADMIXTURES" is the bonafide work submitted

By

G.PRASANNA KUMAR

(13JN1A0119)

V.YESWANTH SAI

(13JN1A0156)

P.WESLEY PETER

(13JN1A0140)

I.RAJAVARDHAN REDDY

(13JN1A0124)

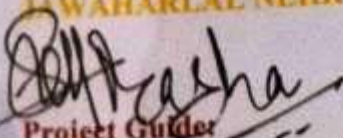
CH.PRAVEEN KUMAR

(13JN1A0111)


N.V.SYAM SUNDAR REDDY

(12JN1A0135)

during the year 2016-2017 in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR.

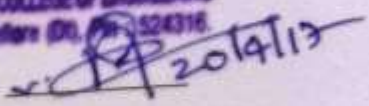

Project Guide

Mr. SK. HUMAYUN BASHA M.Tech, Ph.D.
Assoc. Prof. of CIVIL ENGG.


Head of Department:

Mr. SK. HUMAYUN BASHA M.Tech, Ph.D.
Assoc. Prof. of CIVIL ENGG.
HOD

Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavuluru, SPSR Nellore (Dt), AP-524316

External Examiner: 

Date: 20-04-2017

SREE VENKATESWARA COLLEGE OF ENGINEERING

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NH-5, NORTH RAJUPALEM, KODAVALURU, SPSR NELLORE Dt.



CERTIFICATE

This is to certify that the project work entitled "STRENGTHENING OF CONCRETE BY REPLACEMENT OF RIVER SAND WITH M-SAND & RECRON 3S AS ADMIXTURE" is the bonafide work submitted

By

Y SIDDARTHA REDDY	(13JN1A0158)
SK SHEERIN	(13JN1A0148)
G AJAY KUMAR	(13JN1A0123)
K KESAVA	(13JN1A0129)
G SAI MANOJ KUMAR REDDY	(13JN1A0118)

during the year 2016-2017 in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.

Project Guide: *K. Ramana*
18/4/17

Mr. K. RAMANA REDDY M.Tech

Asst. Prof. of CIVIL ENGG.

SK. Humayun Basham
Head of Department:

Mr. SK. HUMAYUN BASHAM M.Tech

Assoc. Prof. of CIVIL ENGG.

HOD
Department of Civil Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING
Kodavuluru, SPSR Nellore (Dt), Pin : 524316

External Examiner: *✓* *AP 20/4/17*

Date: *20-4-2017*



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act. No. 30 of 2008)
ANANTHAPURAMU – 515 002 (A.P) INDIA

Course Structure & Syllabus for B.Tech. (Regular)
R13 Regulations

ELECTRICAL AND ELECTRONICS ENGINEERING

B.Tech. I Year

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S. V. Padaraj Rami
PRINCIPAL

**SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVALUR, SPSP Nellore Dist**

B.Tech. II - I Semester

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1.	13A54302	Mathematics - III	3	1 - -	3
2.	13A01403	Environmental Science	3	1 - -	3
3.	13A01307	Fluid Mechanics and Hydraulic Machinery	3	1 - -	3
4.	13A04301	Electronic Devices and circuits	3	1 - -	3
5.	13A03304	Engineering Graphics	1	- 3 -	3
6.	13A02301	Electrical Machines -I	3	1 - -	3
7.	13A01406	Fluid Mechanics and Hydraulic Machinery lab	-	- - 3	2
8.	13A02302	Electric circuits and Simulation lab	-	- - 3	2
Total Credits					22

B.Tech. II - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A02401	Electromagnetic Fields	3	1 -	3
2.	13A02402	Control Systems Engineering	3	1 -	3
3.	13A04407	Analog Electronic Circuits	3	1 -	3
4.	13A04303	Switching Theory and logic design	3	1 -	3
5.	13A02403	Electrical Power Generating Systems	3	1 -	3
6.	13A02404	Electrical Machines -II	3	1 -	3
7.	13A02405	Electrical Machines Lab -I	-	- 3	2
8.	13A04305	Electronic Devices & Circuits lab	-	- 3	2
Total Credits					22

S.V. Padmajarani
 PRINCIPAL
 SREE VENKATESWARA COLLEGE
 OF ENGINEERING
 KODAVALUR, SPSR Nellore Dist

B.Tech. III - I Semester

S.No.	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A52501	Managerial Economics and Financial Analysis	3	1 - 3	3
2.	13A02501	Electrical & Electronic Measuring Instruments	3	1 - 3	3
3.	13A04508	Linear & Digital IC Applications	3	1 - 3	3
4.	13A02502	Electrical Power Transmission Systems	3	1 - 3	3
5.	13A02503	Power Electronics	3	1 - 3	3
6.	13A02504	Electrical Machines – III	3	1 - 3	3
7.	13A02505	Electrical Machines Lab – II	-	- 3	2
8.	13A02506	Control Systems and Simulation Lab	-	- 3	2
9.	13A52301	Human Values & Professional Ethics (Audit course)	2	- -	-
Total Credits					22

B.Tech. III - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A52601	Management Science	3	1 - 3	3
2.	13A02601	Power Semiconductor Drives	3	1 - 3	3
3.	13A02602	Power System Protection	3	1 - 3	3
4.	13A04601	Microprocessors and Microcontrollers	3	1 - 3	3
5.	13A02603	Power System Operation and Control	3	1 - 3	3
6.	13A02604	Power System Analysis	3	1 - 3	3
7.	13A02605	Power Systems and Simulation Lab	-	- 3	2
8.	13A02606	Electrical Measurements Lab	-	- 3	2
9.	13A52502	Advanced English Language Communication Skills Lab (Audit course)	-	- 3	-
Total Credits					22

S.V. Pandmajee Ravi
PRINCIPAL

SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVALUR, SPSP Nellore Dist

B.Tech. IV - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A02701	Electrical Distribution Systems	3	1 -	3
2.	13A02702	Digital Signal Processing	3	1 -	3
3.	13A02703	HVDC Transmission	3	1 -	3
4.	13A02704	Flexible AC Transmission Systems	3	1 -	3
5.		Elective – I (Open Elective)	3	1 -	3
6.		Elective – II	3	1 -	3
	13A02705	Instrumentation			
	13A02706	Design of Electrical Systems			
	13A04712	Communication Systems			
	13A02707	AI Applications to Electrical Systems			
7.	13A04605	Microprocessors and microcontrollers lab	-	- 3	2
8.	13A02708	Power Electronics and Simulation Lab	-	- 3	2
Total Credits					22

B.Tech. IV - II Semester

S.No.	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A02801	Power Quality	3	1 -	3
2.	13A02802	Utilization Of Electrical Energy	3	1 -	3
3.		ELECTIVE – III	3	1 -	3
	13A02803	Modern Control Theory			
	13A02804	Special Electro Mechanical Systems			
	13A02805	Power System Deregulation			
	13A02806	Switch Mode Power Converters			
4.		ELECTIVE – IV	3	1 -	3
	13A02807	Reliability Engineering & Applications to Power Systems			
	13A02808	High Voltage Engineering			
	13A02809	Smart Grid			
	13A02810	Energy Auditing & Demand Side Management			
5.	13A02811	Seminar & Comprehensive viva voce	-	- -	3
6.	13A02812	Project	-	- -	10
Total Credits					25

S.V. Padmaja Devi

PRINCIPAL

**SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAI. UR, SPSP Nellore Dist**



CERTIFICATE


This is to certify that

K.DEVESWAR REDDY	14JN5A0204
K.KARTHIK	14JN5A0208
M.SRIKANTH	13JN1A0233
N.REVATHI SRI	13JN1A0236

Pursuing IV B.Tech Electrical & Electronics Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on "**Wind energy Conversion System based on PWM-CSC and PMSG using Adaptive control strategy**" at LETSLEARN.GURU, Nellore, from 15-02-2017 to 10-03-2017.

During the above period, their conduct was found to be very good.

Dt. 10-03-2017
Nellore.


DIRECTOR



CERTIFICATE

This is to certify that

P. SAI SINDHU	13JN1A0243
G.LATHA	13JN1A0214
M.PENCHAL JASWANTH	13JN1A0230
M.MOHAN KRISHNA	14JN5A0205
C.LAKSHMI PRASANNA	13JN1A0210

Pursuing IV B.Tech Electrical & Electronics Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on **"An Advanced Current Control Strategy for Grid Connected Distributed Generation under Grid Voltage Distortions and Non Linear Loads"** at LETSLEARN.GURU, Nellore, from 15-02-2017 to 10-03-2017.

During the above period, their conduct was found to be very good.

Dt. 10-03-2017
Nellore.


DIRECTOR


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SREE VENKATESWARA COLLEGE OF ENGINEERING, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a Project report entitled as "AUTONOMOUS PV ARRAY EXCITED WIND DRIVEN INDUCTION GENERATOR FOR OFF GRID APPLICATION IN INDIA" is a bonafide report submitted by V.BHARGAVI (13JN1A0252), N.SOWMYA (13JN1A0237), C.V.KARTHIK (14JN5A0202), SK.FYROZ (13JN1A0248). In partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONIC ENGINEERING" during the academic year 2016-2017.

V.ANIL KUMAR, M.E.(Ph.D.),
Associate Professor,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.

V.ANIL KUMAR, M.E.(Ph.D.),
Associate Professor,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.

Date of Project viva-voce 21-4-17.

Examiner-1

Examiner-2




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SREE VENKATESWARA COLLEGE OF ENGINEERING, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a Project report entitled as " DESIGN OF SEVEN LEVEL MULTILEVEL INVERTER" is a bonafide report submitted by V.NITHISH (13JN1A0253), M.LIKHITHA (13JN1A0229), V.APARNA (13JN1A0256), P.SATHISH (14JN5A0207) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in " ELECTRICAL AND ELECTRONICS ENGINEERING " during the academic year 2016-2017.


M.BHARATHI, M.Tech.,
Assistant Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.


V.ANIL KUMAR , M.E.(Ph.D),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.

Date of Project Viva-voce 21-04-17


Examiner-1


Examiner-2



DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
SREE VENKATWESWARA COLLEGE OF ENGINEERING
KODAVALUR, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a project report entitled as "DOUBLY FED INDUCTION GENERATOR FOR WIND ENERGY CONVERSION SYSTEMS WITH INTEGRATED ACTIVE FILTER CAPABILITIES" is a bonafide report submitted by Y.SRIKANTH (13JNIA0259), N.V.S.SUNIL CHANDRA (13JNIA0240), A.HARITHA(13JNIA0205), P.FAYAZ (14JN5A0206), in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in " ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2016-2017.

4/4/17
V.VISHNU VARDHAN, M.Tech.,
Assistant Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.

4/4/17
V.ANIE KUMAR, M.E(Ph.D),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.

Date of Project Viva Voce 21-04-2017

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Examiner-I
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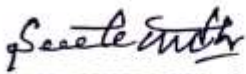
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Examiner-II

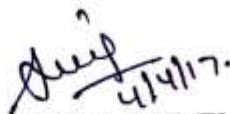
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SREE VENKATESWARA COLLEGE OF ENGINEERING, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a project report entitled as “CONTROL PRACTICES OF PERMANENT MAGNET DC MOTOR USING ARDUINO AS LOW COST HARDWARE” is a bonafide report submitted by A.SAIRAM (13JN1A0201), G.SHARANYA (13JN1A0215), G.SANDHYARANI (13JN1A0216), ANILKUMAR.M.S (13JN1A0204) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in “ ELECTRICAL AND ELECTRONICS ENGINEERING ” during the academic year 2016-2017.


T.SRIKANTH, M.Tech.,
Assistant Professor,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.


V.ANIL KUMAR, M.E.(Ph.D),
Associate Professor,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.

Date of Project Viva-Voce 21-04-2017


Examiner-1


Examiner-2

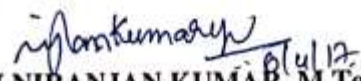



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AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a project report entitled as "ALLOCATION OF TRANSMISSION LOSSES BY USING A NOVEL TECHNIQUE" is a bonafide report submitted Y.SRAVANI(13JN1A0260), J.VIJAYA(13JN1A0222), Y.RAVALI (13JN1A0258) & Y.PAVAN KUMAR(13JN1A0210) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2016-2017.


Y.V.NIRANJAN KUMAR, M.Tech.,
Assistant Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.


V.ANIL KUMAR, M.E.(Ph.D),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.

Date of Project Viva-Voce 21/04/2017


Examiner-1
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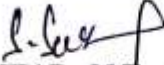

Examiner-2

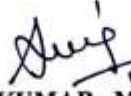
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
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KODAVALUR, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE


This is to certify that a project report entitled as "POWER CONDITIONER INTEGRATED WITH AN ULTRACAPACITOR FOR INTERMITTENCY SMOOTHING AND IMPROVING THE POWER QUALITY OF DISTRIBUTION GRID" is a bonafide report submitted by CH.SAI MAHESH (14JN5A0203), P.SIVA NAVEEN (13JN1A0245), T.HEMANTH (13JN1A0249), T.AMANI (13JN1A0250), in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2016-2017.


S.SEKHAR, M.Tech(Ph.D),
Assistant Professor,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.


V.ANIL KUMAR, M.E(Ph.D),
Associate Professor,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.

Date of Project viva-voice 21/4/17


Internal Examiner


External Examiner



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SREE VENKATESWARA COLLEGE OF ENGINEERING, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a Project report entitled as " **POWER QUALITY IMPROVEMENT WITH PV/BATTERY HYBRID ENERGY CONVERSION SYSTEM USING HGICB DC-DC CONVERTER**" is a bonafide report submitted by P.SNEHALATHA (13JN1A0244), L.MOUNIKA (13JN1A0220), L.SUSMITHA (13JN1A0226), B.VENKATA SUMANTH (13JN1A0207). In partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in "ELECTRICAL AND ELECTRONIC ENGINEERING" during the academic year **2016-2017**.

E. Rambabu
E.RAMBABU M.Tech,
Assistant Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.

V. Anil Kumar
V.ANIL KUMAR , M.E.(Ph.D),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.

Date of Project viva-voce 21-04-2017

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Examiner-1
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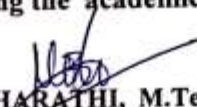
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Examiner-2


DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
SREE VENKATWESWARA COLLEGE OF ENGINEERING
KODAVALUR, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a project report entitled as " SIMULATION OF DISTRIBUTED POWER FLOW CONTROLLER " is a bonafide report submitted by A.SRAVANTHI PRIYA (14JN5A0201), K.LIKHITHA (13JN1A0223), V.DEVA HARSHINI (13JN1A0255), G.SULOCHANA (13JN1A0219), in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in " ELECTRICAL AND ELECTRONICS ENGINEERING " during the academic year 2016-2017.


M.BHARATHI, M.Tech.,
Assistant Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.


V.ANIL KUMAR , M.E(Ph.D),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.

Date of Project Submission 21-04-2017.



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Internal Examiner

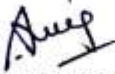

External Examiner

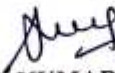
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
SREE VENKATWESWARA COLLEGE OF ENGINEERING
KODAVALUR, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR




CERTIFICATE

This is to certify that a project report entitled as "A NOVEL CONVERETER TECHNOLOGY FOR STAND ALONE HYBRID PV/WIND/BATTERY POWER SYSTEM " is a bonafide report submitted by CH.NISHITHA REDDY (13JN1A0208), Y.SAI VENKAT SATISH (14JN5A0209), K.ANUSHA (13JN1A0225), B.GEETHA (13JN1A0206), in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in " ELECTRICAL AND ELECTRONICS ENGINEERING " during the academic year 2016-2017.


V.ANIL KUMAR, M.E.(Ph.D),
Associate Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.


V.ANIL KUMAR, M.E(Ph.D),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.

Date of Project viva-voce 2/4-17.


Internal Examiner
CamScanner



External Examiner

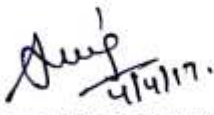
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SREE VENKATESWARA COLLEGE OF ENGINEERING, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a Project report entitled as "A SINGLE PHASE TRANSFORMERLESS HYBRID SERIES ACTIVE FILTER FOR ENHANCEMENT OF POWER QUALITY IN ELECTRIFIED TRANSPORTATION" is a bonafide report submitted by J.JAHNAVI (13JNIA0221), P.JEEVANA MOUNIKA (13JNIA0241), M. SURYA PRAKASH (13JNIA0235), N.VENKATA SUNIL (13JNIA0247) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONIC ENGINEERING" during the academic year 2016-2017.


S.SEKHAR, M.Tech, (Ph.D).
Assistant Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.


V.ANIL KUMAR , M.E.(Ph.D),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.

Date of project Viva Voce 21-4-17


Examiner-1
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Examiner-2




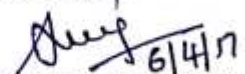
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
SREE VENKATSWARA COLLEGE OF ENGINEERING
KODAVALUR, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR**



CERTIFICATE

This is to certify that a project report entitled as "A NOVEL INTEGRATED POWER QUALITY CONTROLLER FOR MICROGRID" is a bonafide report submitted by MD. RASHIKHA TARANNUM (13JN1A0232), A.VS.L. SRAVYA (13JN1A0202), D. PANITHAVYA (13JN1A0212), M. MOULIKA (13JN1A0228), in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2016-2017.


V. ANIL KUMAR, M.E(PhD),
Associate Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering,
Nellore-524316.


V. ANIL KUMAR, M.E(PhD),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg
Sree Venkateswara College of Engineering,
Nellore-524316.

Date of Project viva voce 21-04-2017


Internal Examiner

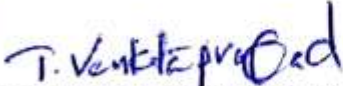

External Examiner

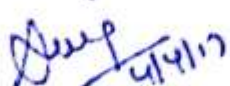
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SREE VENKATESWARA COLLEGE OF ENGINEERING, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a project report entitled as "IMPROVEMENT OF MULTI MACHINE POWER SYSTEM STABILITY USING STATIC SYNCHRONOUS SERIES COMPENSATOR" is a bonafide report submitted by N. RAMCHARAN (13JN1A0239), V.SAIROJA (13JN1A0257), M. VENKATARAMANAIAH (13JN1A0227), V. CHAITANYA (13JN1A0254) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2016-2017.


T.VENKATA PRASAD, M. Tech.,
Assistant Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.


V.ANIL KUMAR , M.E.,(Ph. D)
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
Sree Venkateswara College of Engineering ,
Nellore-524316.

Date of Project Viva-Voce 21-04-17


Examiner-1
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Examiner-2

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SREE VENKATESWARA COLLEGE OF ENGINEERING, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



CERTIFICATE

This is to certify that a Project report entitled as "ACTIVE POWER FILTER IMPLEMENTATION USING A FOUR-LEG VSI FOR RENEWABLE POWER GENERATION SYSTEMS" is a bonafide report submitted by T.S.S.MOENISHA (13JN1A0251), M.V.SUSHMA (13JN1A0234), M.NEERAJA (13JN1A0231), A.VENKATESH (13JN1A0203), CH.PREMCHAND (13JN1A0209) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONIC ENGINEERING" during the academic year 2016-2017.

E. Rambabu
E.RAMBABU, M.Tech.
Assistant Professor,
Project Guide,
Dept of Electrical and Electronics Engg.,
Sree Venkateswara College of Engineering,
Nellore-524316.

V. Anil Kumar
V.ANIL KUMAR, M.E.(Ph.D),
Associate Professor,
Head of the Department,
Dept of Electrical and Electronics Engg.,
Sree Venkateswara College of Engineering,
Nellore-524316.

Date of Project Voce 21/4/17

[Signature]
Examiner-2



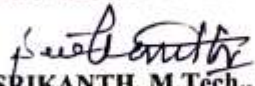
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Examiner-1er

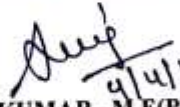
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SREE VENKATWESWARA COLLEGE OF ENGINEERING, NELLORE
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, ANANTAPUR



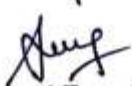
CERTIFICATE

This is to certify that a project report entitled as "IMPROVEMENT OF TOPOLOGY OF A MULTILEVEL INVERTER" is a bonafide report submitted by D. MOUNICA (13JNIA0211), G. ANUSHA (13JNIA0218), K. VISHWANADH (13JNIA0224), P. DAKSHAYANI (13JNIA0242), N. KRISHNA CHAITANYA (13JNIA0238), in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2016-2017.


T. SRIKANTH, M.Tech.,
Assistant Professor ,
Project Guide,
Dept of Electrical and Electronics Engg,
SreeVenkateswara College of Engineering,
Nellore-524316.


V. ANIL KUMAR, M.E(Ph.D),
Associate Professor ,
Head of the Department,
Dept of Electrical and Electronics Engg,
SreeVenkateswara College of Engineering,
Nellore-524316.

Date of Project viva-voice 21-04-2017


Internal Examiner


External Examiner





JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act. No. 30 of 2008)
ANANTHAPURAMU – 515 002 (A.P) INDIA
Course Structure & Syllabus for B.Tech. (Regular)
R13 Regulations
MECHANICAL ENGINEERING

B.Tech. I Year

S.No.	Course code	Subject	Th	Tu/Drg/Lab.	Credits
1.	13A52101	Communicative English	2	- - -	3
2.	13A56101	Engineering Physics	2	- - -	3
3.	13A51101	Engineering Chemistry	2	- - -	3
4.	13A54101	Mathematics - I	3	1 - -	5
5.	13A12101	Programming in C & Data Structures	3	1 - -	5
6.	13A01101	Engineering Mechanics	3	1 - -	5
7.	13A03101	Engineering Drawing *	1	- 5 -	5
8.	13A12102	Programming in C & Data Structures Lab	-	- - 3	4
9.	13A99102	Engineering Physics & Engineering Chemistry Lab **	-	- - 3	4
10.	13A99103	Engineering & IT Workshop #	-	- - 3	4
11.	13A52102	English Language Comm. Skills Lab	-	- - 3	4
Total Credits					45

Th = Theory; Tu = Tutorial, Drg= Drawing & Lab = Laboratory:

* Engineering Drawing will have University External Exam.

** The students shall attend the Physics lab and Chemistry lab in alternate weeks. The end exam shall be conducted separately and average of the two exams shall be recorded by the University exam section.

The students shall attend Engineering workshop and IT work shop as a single lab every week and the end exam is conducted as a single lab. Sharing the Maximum marks and time for one task each from Engineering workshop and IT workshop. The sum of the marks awarded shall be recorded

S.V. Padmaja Rani
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVALUR, SPSP Nellore Dist

B.Tech. II - I Semester

S.No	Course code	Subject	Theory	Tu/Drg/Lab	Credits
1.	13A54301	Mathematics – II	3	1 - -	3
2.	13A01308	Mechanics of Solids	3	1 - -	3
3.	13A99302	Electrical & Electronics Engineering	3	1 - -	3
4.	13A03301	Material Science and Engineering	3	1 - -	3
5.	13A03302	Thermodynamics	3	1 - -	3
6.	13A03303	Machine Drawing		6	3
7.	13A99303	Material Science Lab & Mechanics of Solids Lab		- - 3	2
8.	13A99304	Electrical & Electronics Engineering Lab	-	- - 3	2
9.	13A52301	Human Values and Professional Ethics(Audit Course)	2	- - -	-
Total Credits					22

B.Tech. II - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A01403	Environmental Science	3	1 -	3
2.	13A54303	Probability and Statistics	3	1 -	3
3.	13A03401	Kinematics of Machinery	3	1 -	3
4.	13A03402	Thermal Engineering – I	3	1 -	3
5.	13A01408	Mechanics of Fluids	3	1 -	3
6.	13A03403	Manufacturing Technology	3	1 -	3
7.	13A03404	Thermal Engineering Lab	-	- 3	2
8.	13A03405	Manufacturing Technology Lab	-	- 3	2
Total Credits					22

NOTE: For Machine Drawing:

- The End exam will be for 4 hrs in the following format
- All answers should be on the drawing sheet only. Answers on the drawing sheet only will be valued.
- First Angle Projections
 - Q1 Questions set on section I of the syllabus 2 out of 3 or 2 out of 4 to be answered with a weightage of 4 marks each-08 marks.
 - Q2 Questions set on section II of the syllabus 2 out of 3 to be answered with a weightage of 10 marks each-20 mrks.
 - Q3 Drawing of assembled views of section III items of syllabus with a weightage of 42 marks

B.Tech. III - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A03501	Hydraulic Machinery ✓	3	1 -	3
2.	13A03502	Thermal Engineering - II ✓	3	1 -	3
3.	13A03503	Dynamics of Machinery ✓	3	1 -	3
4.	13A03504	Metal Forming Processes ✓	3	1 -	3
5.	13A03505	Design of Machine Members - I ✓	3	1 -	3
6.	13A03506	Heat Transfer ✓	3	1 -	3
7.	13A03507	Heat Transfer Lab ✓	-	- 3	2
8.	13A01509	Fluid Mechanics & Hydraulic Machinery Lab ✓	-	- 3	2
Total Credits					22

B.Tech. III - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A52501	Managerial Economics & Financial Analysis	3	1 -	3
2.	13A03601	CAD/CAM ✓	3	1 -	3
3.	13A03602	Machine Tools ✓	3	1 -	3
4.	13A03603	Refrigeration & Air Conditioning ✓	3	1 -	3
5.	13A03604	Design of Machine Members - II ✓	3	1 -	3
6.	13A03605	Automobile Engineering ✓	3	1 -	3
7.	13A03606	CAD Lab ✓	-	- 3	2
8.	13A03607	Machine Tools Lab ✓	-	- 3	2
9.	13A52502	Advanced English language Comm. skills Lab(Audit course)	2	- -	-
Total Credits					22

S.V. Padmaja Kani
PRINCIPAL

SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVALUR, SPSP Nellore Dist

B.Tech. IV - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A03701	Operations Research ✓	3	1 -	3
2.	13A03702	Automation & Robotics ✓	3	1 -	3
3.	13A03703	Finite Element Methods ✓	3	1 -	3
4.	13A03704	Metrology & Measurements ✓	3	1 -	3
5.		ELECTIVE – I (Open Elective)	3	1 -	3
6.		ELECTIVE – II	3	1 -	3
	13A03705	Computational Fluid Dynamics ✓			
	13A03706	Mechatronics			
	13A03707	Concurrent Engineering			
	13A03708	Production & Operations Management ✓			
7.	13A03709	Metrology & Measurements Lab ✓	-	- 3	2
8.	13A03710	Computer Aided Engineering Lab ✓	-	- 3	2
Total Credits					22

B.Tech. IV - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A03801	Industrial Engineering & Management	3	1 -	3
2.	13A03802	Power Plant Engineering ✓	3	1 -	3
3.		ELECTIVE – III	3	1 -	3
	13A03803	Gas Turbines & Jet Propulsion ✓			
	13A03804	Tool Design			
	13A03805	Tribology			
	13A03806	Composite Materials ✓			
4.		ELECTIVE – IV	3	1 -	3
	13A03807	Modern Manufacturing Methods			
	13A03808	Design of Heat Transfer Equipment			
	13A03809	Mechanical Vibrations			
	13A03810	Product Design			
5.	13A03811	Seminar & Comprehensive Viva-Voce	-	- -	3
6.	13A03812	Project	-	- -	10
Total Credits					25

S.V. Padmanaj Rami
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAI UR, SPSP Nellore Dist



ENGINEERING INTEGRATED TRAINING INSTITUTE

Regd. office at No. 23/896, 1st Floor, Wahabpet, Nellore-524003

Date: 07/03/2017

CERTIFICATE

This is to certify that the project entitled

"FABRICATION OF SOLAR POWERED GRASS CUTTER"

Carried out by

P.AKHIL KUMAR
S.C.S.SASTHA KARTHIK
G.KISHORE
V.SAI ABHISHEK
J.CHANDRA BABU

13JN1A0339
13JN1A0351
13JN1A0317
13JN1A0359
13JN1A0320

Pursuing B.Tech IVth Year MECHANICAL from SREE VENKATESWARA
ENGINEERING COLLEGE, Nellore towards the fulfillment of their Bachelor Degree
during the period 08/02/2017 to 07/03/2017:

During the above said period, their interest towards the Project Work was highly
appreciable.

Regards
For Engineering Integrated Training Institute

K. Manidhar
Managing Partner





ENGINEERING INTEGRATED TRAINING INSTITUTE

Regd. office at No. 23/896, 1st Floor, Wahabpet, Nellore-524003

Date: 07/03/2017

CERTIFICATE

This is to certify that the project entitled

"FINITE ELEMENT ANALYSIS OF CRANE HOOK WITH DIFFERENT POSSIBLE MATERIALS"

Carried out by

A.NIRANJAN KUMAR
CH.MANVITH KUMAR
CH.MIDHUN
S.MUTHYALALAH
SK. RAFI AHMED

13JN1A0301
13JN1A0311
13JN1A0314
13JN1A0343
13JN1A0348

Pursuing B.Tech-IV year MECHANICAL from SREE VENKATESWARA ENGINEERING COLLEGE, Nellore towards the fulfillment of their Bachelor Degree during the period 08/02/2017 to 07/03/2017.

During the above said period, their interest towards the Project Work was highly appreciable.



Regards
For Engineering Integrated Training Institute

k. Mani dhar
Managing Partner

Department of Mechanical Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING:NELLORE
(Affiliated to JNTUA, Anantapuramu)

CERTIFICATE

This is to certify that the project report titled "FABRICATION OF AUTOMATIC HAND BRAKE SYSTEM BY USING PNEUMATIC SYSTEM" being submitted by

SK.ABBUBAKAR (13JN1A0345)

A.VENKATESH (13JN1A0304)


B.KUMARASWAMY (13JN1A0309)

P.KHADHAR NAWAZ (13JN1A0336)

S.HIMASAGAR (13JN1A0344)

In partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological university, Anantapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of project supervisor


Signature of Head of the Department

Sri. P.VENKATESWARLU, M.Tech (Ph.D)

Prof. J.V.S. BHASKAR, M.Tech, (Ph.D)

ASSOCIATE PROFESSOR

PROFESSOR & H.O.D

PROJECT GUIDE

Department of Mechanical Engineering,
Sree Venkateswara College of Engineering,
North rajupalem,kodavaluru(V&M)
Nellore.

Department of Mechanical Engineering,
Sree Venkateswara College of Engineering,
North rajupalem,kodavaluru(V&M)
Nellore.


Signature of External Examiner

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapuram)

NORTH RAJUPALEM, KODAVALUR (V&M) S.P.S.R.NELLORE (D.T)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled, "AUTOMATIC PARKING LOT USING FIRBIRD V" being submitted by

K. DINESH BABU	13JN1A0323
K. SANJAY KARTHIK	13JN1A0326
P. RADHA KRISHNA	13JN1A0335
G. SUNIL	14JN5A0303

in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapuram, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report has not been submitted to any other University or Institute for the award of any Degree.

Signature of project supervisor

Sri P.MANOJ KUMAR_{M.Tech}

PROJECT GUIDE
Department of Mechanical engineering,
Sree Venkateswara College of engineering,
Nellore.

Signature of Head of the department

Prof. J.V.S. BHASKAR_{M.Tech, (Ph.D)}

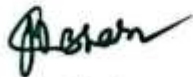
HEAD OF THE DEPARTMENT
Department of Mechanical engineering,
Sree Venkateswara College of engineering,
Nellore.

Signature of External Examiner

Department of Mechanical Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING: NELLORE
(Affiliated to JNTUA, Anantapuramu)

CERTIFICATE

This is to certify that the project report titled "**PERFORMATIVE ANALYSIS OF BOILER FEED PUMPS**" being submitted by **R.JAYA KRISHNA (13JN1A0342)**, **M.DEEPAK (13JN1A0328)**, **A.VENKAIAH BABU (13JN1A0303)**, **V.SAI TEJA (15JN5A0305)**, **P.SUNDEEP (13JN1A0337)**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological university, Anantapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.



Signature of project supervisor



Signature of Head of the Department

Prof. J.V.S. BHASKAR, M.Tech, (Ph.D)

PROJECT GUIDE

Department of Mechanical Engineering,
Sree Venkateswara College of Engineering,
North rajupalem,kodavaluru(V&M)
Nellore.

Prof. J.V.S. BHASKAR, M.Tech, (Ph.D)

PROFESSOR & H.O.D

Department of Mechanical Engineering,
Sree Venkateswara College of Engineering,
North rajupalem,kodavaluru(V&M)
Nellore.


Signature of External Examiner



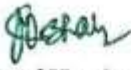
Department of Mechanical Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING:NELLORE
(Affiliated to JNTUA, Ananthapuramu)

CERTIFICATE

This is to certify that the project report titled "FABRICATION OF HYBRID VEHICLE" being submitted by D.MAHESH (13JN1A0333), SD.RAFIUDDIN (13JN1A0354), K.V KARTHIK (13JN1A0321), V.JASWANTH (13JN1A0358), M.UTTEJ (13JN1A0327) in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological university, Ananthapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of project supervisor

D.RAJA, M.Tech
ASSISTANT PROFESSOR
PROJECT GUIDE
Department of Mechanical Engineering,
Sree Venkateswara College of Engineering,
North rajupalem, kodavaluru(V&M)
Nellore.


Signature of Head of the Department

Prof. J.V.S. BHASKAR, M.Tech, (Ph.D)
PROFESSOR & H.O.D
Department of Mechanical Engineering,
Sree Venkateswara College of Engineering,
North rajupalem, kodavaluru(V&M)
Nellore.


Signature of External Examiner
2010

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapuram)

NORTH RAJUPALEM, KODAVALUR (V&M) S.P.S.R.NELLORE (D.T)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE


This is to certify that the project report titled,

“DESIGNE & FABRICATION OF **GD&S** PEDALING WASHING MACHINE”

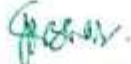
being submitted by

A.DINESH	14JN5A0301
A.SRIKANTH GOWD	13JN1A0302
B.SRINIVASULU	13JN1A0307
M.SURESH	13JN1A0329
R.SANDEEP	13JN1A0341

in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapuram, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.


Signature of project supervisor
Sri V.GOPALA KRISHNA M.Tech

PROJECT GUIDE
Department of Mechanical engineering,
Sree Venkateswara College of engineering,
Nellore.


Signature of Head of the department
Prof. J.V.S. BHASKAR M.Tech, (Ph.D)

HEAD OF THE DEPARTMENT
Department of Mechanical engineering,
Sree Venkateswara College of engineering,
Nellore.


Signature of External Examiner

Department of Mechanical Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING; NELLORE
(Affiliated to JNTUA, Anantapuramu)

CERTIFICATE


This is to certify that the project report entitled "**DESIGN AND FABRICATION OF TWO WHEELER TRACTOR**" being submitted by

M.VAMSIKRISHNA	(13JN1A0330)
CH.CHANDRA MOHAN	(13JN1A0313)
SK.ROSHAN JAMEER	(13JN1A0349)
J.CHAITANYA	(13JN1A0319)
T.PRASANTH	(13JN1A0355)
K.PRAVEEN KUMAR	(12JN1A0319)

in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report has not been submitted to any other University or Institute for the award of any degree.


Signature of project supervisor

Smt.P.CHAITANYA, M.Tech,
PROJECT GUIDE
Department of Mechanical Engineering,
Sree Venkateswara College of Engineering
Nellore.


Signature of Head of the Department

Prof. J.V.S. BHASKAR, M.Tech, (Ph.D)
HEAD OF THE DEPARTMENT
Department of Mechanical Engineering,
Sree Venkateswara College of Engineering
Nellore.


Signature of External Examiner



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act. No. 30 of 2008)
ANANTHAPURAMU – 515 002 (A.P) INDIA

Course Structure & Syllabi for B.Tech. (Regular)
R13 Regulations

ELECTRONICS AND COMMUNICATION ENGINEERING

B.Tech. I Year

S.No	Course code	Subject	Theory	Tu/	Lab.	Credits
1.	13A52101	Communicative English	2	-	-	3
2.	13A56101	Engineering Physics	2	-	-	3
3.	13A51101	Engineering Chemistry	2	-	-	3
4.	13A54101	Mathematics - I	3	1	-	5
5.	13A12101	Programming in C & Data Structures	3	1	-	5
6.	13A54102	Mathematics - II	3	1	-	5
7.	13A04101	Network Analysis	3	1	-	5
8.	13A12102	Programming in C & Data Structures Lab	-	-	3	4
9.	13A99102	Engineering Physics & Engineering Chemistry Lab *	-	-	3	4
10.	13A99103	Engineering & IT Workshop #	-	-	3	4
11.	13A52102	English Language Comm. Skills Lab	-	-	3	4
Total Credits						45

Th = Theory; Tu = Tutorial & Lab = Laboratory:

* The students shall attend the Physics lab and Chemistry lab in alternate weeks. The end exam shall be conducted separately and average of the two exams shall be recorded by the University exam section.

The students shall attend Engineering and IT work shop as a single lab every week and the end exam is conducted as a single lab. Sharing the Maximum marks and time for one task each from Engineering workshop and IT workshop. The sum of the marks awarded shall be recorded.

S.V. Padmanaj Rami
PRINCIPAL
SREE VENKATESWARA COLLEGE 1
OF ENGINEERING
KODAVAI, UR, SPSP Nellore Dist

B.Tech. II - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A54302	Mathematics - III	3	1 -	3
2.	13A04301	Electronic Devices & Circuits	3	1 -	3
3.	13A04302	Signals & Systems	3	1 -	3
4.	13A04303	Switching Theory & Logic Design	3	1 -	3
5.	13A04304	Probability Theory & Stochastic Processes	3	1 -	3
6.	13A02303	Electrical Technology	3	1 -	3
7.	13A02304	Electrical Engineering Lab	-	- 3	2
8.	13A04305	Electronic Devices & Circuits Lab	-	- 3	2
9.	13A52301	Human Values and Professional Ethics(Audit Course)	2	- -	-
Total Credits					22

B.Tech. II - II Semester

S.No	Course code	Subject	Theory	Tu / Drg / Lab	Credits
1.	13A01403	Environmental Science	3	1 - -	3
2.	13A04401	Pulse & Digital Circuits	3	1 - -	3
3.	13A04402	Electronic Circuits Analysis & Design	3	1 - -	3
4.	13A04403	Electromagnetic Theory & Transmission Lines	3	1 - -	3
5.	13A03304	Engineering Graphics	1	- 3 -	3
6.	13A04404	Analog Communication Systems	3	1 - -	3
7.	13A04405	Electronic Circuits Analysis & Design Lab	-	- - 3	2
8.	13A04406	Pulse & Digital Circuits Lab	-	- - 3	2
Total Credits					22

S.V. Padmajarani
PRINCIPAL

SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAJUR, SPSP Nellore Dist

B.Tech. III - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A02402	Control Systems Engineering	3	1 -	3
2.	13A05401	Computer Organization & Architecture	3	1 -	3
3.	13A04501	Antennas & Wave Propagation	3	1 -	3
4.	13A04502	Digital Communication Systems	3	1 -	3
5.	13A04503	Linear IC Applications	3	1 -	3
6.	13A04504	Digital IC Applications	3	1 -	3
7.	13A04505	IC Applications Lab	-	- 3	2
8.	13A04506	Analog Communication Systems Lab	-	- 3	2
Total Credits					22

B.Tech. III - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A52501	Managerial Economics & Financial Analysis	3	1 -	3
2.	13A04601	Microprocessors & Microcontrollers	3	1 -	3
3.	13A04602	Digital Signal Processing	3	1 -	3
4.	13A04603	Microwave Engineering	4	1 -	4
5.	13A04604	Electronic Measurements & Instrumentation	3	1 -	3
6.	13A04605	Microprocessors & Microcontrollers Lab	3	1 -	2
7.	13A04606	Digital Signal Processing Lab	-	- 3	2
8.	13A04607	Digital Communication Systems Lab	-	- 3	2
9.	13A52502	Advanced English Language Comm. skills Lab(Audit course)	-	- 3	-
Total Credits					22

S.V. Padmanaj Rami
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAI UR, SPSP Nellore Dist

B.Tech. IV - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A52601	Management Science	3	1 -	3
2.	13A04701	VLSI Design	3	1 -	3
3.	13A04702	Optical Fibre Communication	3	1 -	3
4.	13A04703	Embedded Systems	3	1 -	3
5.		Elective – I (Open Elective)	3	1 -	3
		Elective-II			
6.	13A04704	Digital Image Processing	3	1 -	3
	13A04705	RADAR & Navigational Aids			
	13A04706	T.V Engineering			
7.	13A04707	VLSI & Embedded Systems Lab	-	- 3	2
8.	13A04708	Microwave & Optical Communications Lab	-	- 3	2
Total Credits					22

B.Tech. IV - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A04801	Mobile Communication	3	1 -	3
2.	13A04802	Computer Networks	3	1 -	3
		Elective-III			
3.	13A04803	Satellite Communication	3	1 -	3
	13A04804	Spread Spectrum Communication			
	13A04805	Multimedia Communication			
		Elective-IV			
4.	13A04806	Bio-Medical Instrumentation	3	1 -	3
	13A04807	Speech Processing			
	13A04808	DSP Processors & Architectures			
5.	13A04809	Seminar & Comprehensive Viva-voce	-	- -	3
6.	13A04810	Project work	-	- -	10
Total Credits					25

S.V. Padmaja Rani
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAI UR. SPSP Nellore Dist



CERTIFICATE

This is to certify that

J.PUSHPA LATHA	13JN1A0437
D.V.N.VYJAYANTHI	13JN1A0422
K.SWETHA	13JN1A0443
K.MEGHANA	13JN1A0451
D.JAHNAVI	13JN1A0419

Pursuing IV B.Tech Electronics & Communication Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on **"Edge detection techniques using fuzzy logic"** at LETSLEARN.GURU, Nellore, from 15-02-2017 to 10-03-2017.

During the above period, their conduct was found to be very good.

Dt. 10-03-2017
Nellore.

S.K.H
DIRECTOR



2nd Floor, PMR Trade Complex, Opp. Kandukuri Shopping Mall, Near RTC, Nellore-3
+91-9492277998, 9966485234 www.letslearn.guru



Department of Electronics and Communication Engineering

**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**

(Approved by AICTE, New Delhi and Affiliated to JNTU- Ananthapuramu)

CERTIFICATE

This is to certify that the project report entitled "**MEDICAL IMAGE ENHANCEMENT USING HISTOGRAM EQUALIZATION TECHNIQUES**" being submitted by **G.Ashitha (13JN1A0433), Ch.UrmilaDevi (13JN1A0413), K.Mounika (13JN1A0444), K.Kalyani (13JN1A0456), B.Sravanthi (13JN1A0408), A.Likhitha (13JN1A0403)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Signature of Project supervisor
V.H.KRISHNA KISHORE M.Tech.,
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.

Signature of the Head of Department
S.V.PADMAJARANI M.Tech.(Ph.D)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.

Signature of External Examiner


Department of Electronics and Communication Engineering


**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**

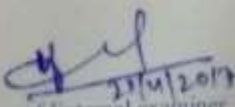
(Affiliated to JNTU, Anantapuramu)

CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF DIGITAL COMBINATIONAL CIRCUITS USING GATE DIFFUSION INPUT(GDI)" being submitted by **K.Divya Supraja (13JN1A0453), B.Swathi (13JN1A0406), B.V.S.Prasanna Lakshmi (13JN1A0409), K.Keerthi (13JN1A0459), K.Ajitha (13JN1A0452), K.Mounika (13JN1A0440)** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Anantapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor
PROF.S.V.PADMAJA RANI
M.Tech, (Ph.D)
PROJECT GUIDE
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
PROF.S.V.PADMAJARANI
M.Tech, (Ph.D)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of External examiner


Department of Electronics and Communication Engineering

**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**

(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuramu).

CERTIFICATE

This is to certify that the project report entitled "IOT BASED AIR POLLUTION MONITORING SYSTEM" being submitted by **CH.Chandana (13JN1A0414), K.V.S.Harshitha (13JN1A0454), B.MuniMounika (13JN1A0407), D.KrishnaMonika (13JN1A0421), K.Susmitha (13JN1A0455), J.AlekhyaSharon (13JN1A0436)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

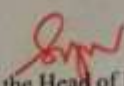

Signature of Project supervisor

V.PRAVEEN KUMAR M.Tech.,

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.


Signature of the Head of Department


S.V.PADMAJARANI M.Tech., (Ph.D)

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.


Signature of External Examiner

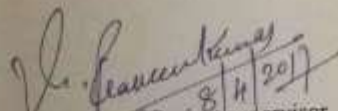
Department of Electronics and Communication Engineering

SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE

(Affiliated to JNTU, Ananthapuramu).

CERTIFICATE

This is to certify that the project report entitled "A NOVEL HIGH PERFORMANCE ARCHITECTURE FOR N-BIT BINARY COMPARATOR" being submitted by **K.Chandana (13JN1A0450)**, **D.Sravya (13JN1A0423)**, **CH.Hema (13JN1A0411)**, **CH.Ramya (13JN1A0415)**, **K.Bhavya (13JN1A0448)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor

V.PRAVEEN KUMAR


M.Tech.,

PROJECT GUIDE

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.


Signature of the Head of Department

S.V.PADMAJARANI

M.Tech., (Ph.D)

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.


Signature of External Examiner

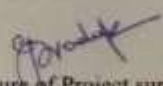
Department of Electronics and Communication Engineering


**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**


(Affiliated to JNTU, Ananthapuramu).

CERTIFICATE

This is to certify that the project report entitled "GSM BASED SCROLLING LED DISPLAY USING ARDUINO" being submitted by **K.HARSHINI RANI (13JN1A0441), CH.SUSHMA(13JN1A0410), A.V.N.S.KRISHNAPRIYA(13JN1A0405) CH.LANUSWETHA (13JN1A0416), G.USHA RANI (13JN1A0426)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor
G.PRADEEP ,M.Tech,
Assistant Professor,
Department of E.C.E
Sree Venkateswara College of Engineering,
Nellore.


Signature of the Head of Department
PROF. S.V.PADMAJA RANI,M.Tech,Ph.D.,
HEAD OF THE DEPARTMENT
Department of E.C.E,
Sree Venkateswara College of Engineering,
Nellore.


Signature of External Examiner

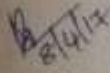
Department of Electronics and Communication Engineering

**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**

(Approved by AICTE ,New Delhi and Affiliated to JNTU, Ananthapuramu).

CERTIFICATE

This is to certify that the project report entitled "SPEECH ENHANCEMENT USING SOFT DECISION TECHNIQUE" being submitted by **K.Raja Rajitha (13JN1A0457), CH.Sushma Sai (13JN1A0418), G.Mamatha (13JN1A0431), G.Akhila (13JN1A0430), Ch.Sri Lekha (13JN1A0417), D.Sushmitha (13JN1A0424)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor

V.SUDHEER


M.Tech.,

PROJECT GUIDE

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.


Signature of the Head of Department

S.V.PADMAJARANI

M.Tech., (Ph.D)

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.


Signature of External Examiner

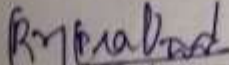
SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE


North Rajupalem, Kodavalur, Nellore.

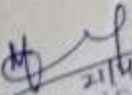
(Approved by AICTE, New Delhi and Affiliated to JNTU, ANANTAPURAMU, 515 002)

CERTIFICATE

This is to certify that the project report entitled "LIBRARY ASSIST ROBOT" being submitted by **A.Tarun Kumar (13JN1A0404), D.Durga Prasad (13JN1A0420), K.Jaya Sai Prasad (13JN1A0447), K.Vishnu (13JN1A0442), K.Akhil Kumar (13JN1A0445)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor
J.RAJ PRAVEEN
M.Tech.
PROJECT GUIDE
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
S.V.PADMAJARANI
M.Tech. (PhD)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.

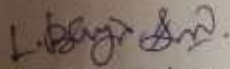

Signature of External Examiner
21/4/2017


Department of Electronics and Communication Engineering
SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE

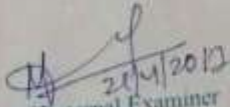
(Approved by AICTE, New Delhi & Affiliated to JNTU, Ananthapuramu).

CERTIFICATE

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF 32-BIT MULTIPLIER" being submitted by V. Arun Kumar (138W1A0403), A. Pujith Krishna (13JN1A0402), J. Harsha Vardhan (13JN1A0435), K. Monish (13JN1A0402), I. Mahesh Sravan (13JN1A0402) in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor
L.BHARGAVA KUMAR
M. Tech.,
Assistant Professor
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
S.V.PADMAJA RANI
M. Tech., (Ph. D)
HEAD OF DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of External Examiner

Department of Electronics and Communication Engineering

SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE

(Approved by AICTE, New Delhi & Affiliated to JNTU, Ananthapuramu).

CERTIFICATE

This is to certify that the project report entitled "**DESIGN AND IMPLEMENTATION OF SEED SOWING AGRICULTURAL ROBOT**" being submitted by Leburu Deepan (13JN1A0466), Kopparthi Srinivas (13JN1A0458), Bandla Surya vardhan (138W1A0429), Boggala Navroz (138W1A0413), Kayala Nava Kishore (13JN1A0449) in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor

G.PRADEEP

M.Tech.

PROJECT GUIDE

Department of E.C.E

Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department

S.V.PADMAJARANI

M.Tech. (Ph.D.)

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of
Engineering, Nellore.


Signature of External Examiner

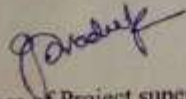
SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE


North Rajupalem, Kodavalur, Nellore.


(Approved by AICTE, New Delhi and Affiliated to JNTU, ANANTAPURAMU, 515 002)

CERTIFICATE

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF ATTENDER ROBOT" being submitted by **CH.LOKESH (13JN1A0412), G.VIJAY (13JN1A0432), G.VENKATESWARLU (13JN1A0428), D.V.S. SRI HARSHA (13JN1A0425), G.S.S CHANDRA (13JN1A0429)** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuram, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor
Asst. Prof.G. PRADEEP
PROJECT GUIDE
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
PROF.S.V.PADMAJARANI
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of External examiner
24/2/13

Department of Electronics and Communication Engineering

**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**

(Approved by AICTE, Delhi & Affiliated to JNTU,Ananthapuramu)

CERTIFICATE

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF FULLADDER/SUBTRACTOR AND MULTIPLIER USING REVERSIBLE HNG AND PERES GATES"being submitted by Y.Harshitha(13JN1A04B8), M.Kathyaini (13JN1A0470), P.Nireesha(13JN1A0489), S.Silpa(13JN1A04A2), T.Varalakshmi(13JN1A04A6), V.V.Prathyusha(13JN1A04B6) in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision.The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Signature of Project supervisor
G.KALYANI ,M.Tech
PROJECT GUIDE
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.

Signature of the Head of Department
S.V.PADMAJA RANI,M.Tech, (PhD)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.

Signature of External Examiner

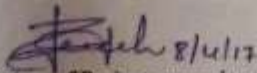
Department of Electronics and Communication Engineering

**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**

(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuramu).

CERTIFICATE

This is to certify that the project report entitled "SENSOR BASED AUTOMATED SMART IRRIGATION SYSTEM" being submitted by **S.Revathi (13JN1A0495), V.Thrinayani (13JN1A04A9), M.Kavya (13N1A0463), SK.Reshma (13JN1A0497), G.Swapna (14JN5A0403)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

 8/4/17

Signature of Project supervisor

P.RAJESH M.Tech.,

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.

Engineering, Nellore.



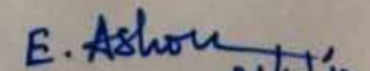
Signature of the Head of Department

S.V.PADMAJARANI M.Tech., (Ph.D)

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

 21/4/17

Signature of External Examiner

SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE

North Rajupalem, Kodavalur, Nellore.

(Approved by AICTE, New Delhi and Affiliated to JNTU, ANANTAPURAMU, 515 002)



CERTIFICATE

This is to certify that the project report entitled "VLSI IMPLEMENTATION OF FAST ADDITION USING QUATERNARY SIGNED DIGIT NUMBER SYSTEM" being submitted by **V. Jyothiratha (13JN1A04B2)**, **P. Sravani (13JN1A0483)**, **V. Geethanjana (13JN1A04B2)**, **P. Sunanda (13JN1A0481)**, **M. Lakshmi prasanna (13JN1A0471)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

P.G.K. 8/4/17

Signature of Project supervisor

Mr. P. GOPALA KRISHNA

M.Tech.

PROJECT GUIDE

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.

S.V.P.

Signature of the Head of Department

PROF. S.V.PADMAJARANI

M.Tech. (PhD)

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.

E. Ashwin 21/4/17

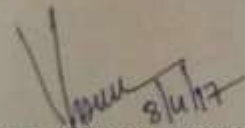
Signature of External Examiner

SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE
North Rajupalem, Kodavalur, Nellore.

(Approved by AICTE, New Delhi and Affiliated to JNTU, ANANTAPURAMU, 515 002)

CERTIFICATE

This is to certify that the project report entitled "A SATURATION BASED IMAGE FUSION FOR STATIC IMAGES" being submitted by **S.Bhanu spandana (13JN1A04A0)**, **T.V.L.Sunayana (13JN1A04A5)**, **U.Sushma swaraj(13JN1A04A7)**, **P.V.Vijaya lakshmi(13JN1A0479)**, **V.Tejeswini (13JN1A04B5)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor

Mr.V.H.Krishna Kishore

M.Tech.

PROJECT GUIDE

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.


Signature of the Head of Department

PROF.S.V.Padmarani

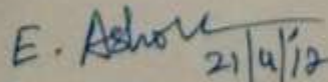
M.Tech. (PhD)

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.


Signature of External Examiner


DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

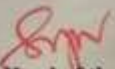
SREE VENKATESWARA COLLEGE OF ENGINEERING
North Rajupalem, Kodavaluru, S.P.S.R Nellore A.P – India- 524316.
Approved by AICTE,Delhi & Affiliated to J.N.T.U, Anantapuramu



CERTIFICATE

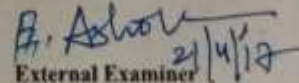
This is to certify that the Project report entitled “METAL DETECTOR ROBOT USING AVR MICROCONTROLLER” that is being submitted by S.Monika (13JN1A04A1), V.Sharon (13JN1A04B3), SK.Vaziha (13JN1A0499), M.Ravali (13JN1A0467), V.Priyanka (13JN1A04B0) in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering to the Jawaharlal Nehru Technological University Anantapuramu is a record of bonafide work carried out under my guidance and supervision.


Signature of Project supervisor
Mr.P.Ravi Kumar, M.Tech
Assistant Professor
PROJECT GUIDE
Dept. of E.C.E
Sree Venkateswara College of
Engineering, Nellore


Signature of the Head of the Department
Prof. S.V.Padmaja Rani
M.Tech.,(Ph.D)
HEAD OF THE DEPARTMENT
Dept. of E.C.E
Sree Venkateswara College of
Engineering, Nellore

Submitted for University Examination (Viva Voce) held on 21/04/2017


Internal Examiner


External Examiner

**SREE VENKATESWARA COLLEGE OF
ENGINEERING, NELLORE**


(Approved by AICTE, New Delhi, Affiliated to JNTU, Anantapuram)


**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

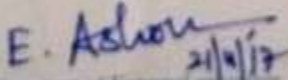


CERTIFICATE

This is to certify that this is a bonafide record of the project work entitled "REMOVAL OF NOISE AND ENHANCEMENT IN DIGITAL IMAGES USING HIGH BOOST FILTER" is a work carried out by P.SRAVYA(UJINIAD482), P.C.L.RAMYA YADAV(UJINIAD490), M.INDUPRIYA(UJINIAD465), M.YASASREE(UJINIAD469), M.K. VARSHITHA(UJINIAD471) in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University Anantapuram, during the academic year 2016-2017.


Signature of Project supervisor
Ms. P.SASITHA, M.Tech
Assistant Professor
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
PROF. S.V. PADMAJA RANI, M.Tech, (Ph.D.)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of External examiner
21/9/17

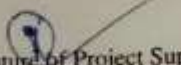
Department of Electronics and Communication Engineering


**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**

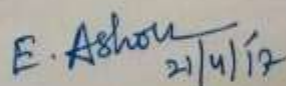
(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuramu)

CERTIFICATE

This is to certify that the project report entitled "IOT BASED SMART GARBAGE DETECTION SYSTEM" being submitted by **SK.Arshiya (13JN1A0496)**, **P.Vimaleswari (13JN1A0485)**, **CH.Alekhy (14JN5A0402)**, **Y.Vineetha (13JN1A04B9)**, **M.Sarika (13JN1A0461)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project Supervisor
P.SASITHA, M.Tech..(Ph.D)
PROJECT GUIDE
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
S.V.PADMAJA RANI, M.Tech..(Ph.D)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of External Examiner


SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE
North Rajupalem, Kodavalur, Nellore.

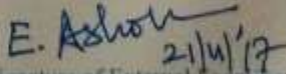
(Approved by AICTE, New Delhi and Affiliated to JNTU, ANANTAPURAMU, 515 002)

CERTIFICATE

This is to certify that the project report entitled "DESIGN OF FPGA BASED 32-BIT FLOATING POINT ARITHMETIC UNIT" being submitted by V.Sai Hancesha (13JN1A04B4) P.Dakshayani (13JN1A0487) M.Mamatha (13JN1A0466) N.Kiranmai (13JN1A0477) P.Jasmitha (13JN1A0491) in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor
Ms.P.JOSHNA
M.Tech.
ASSISTANT PROFESSOR
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
Prof. S.V.PADMAJA RANI
M.Tech, (PhD)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of External Examiner


Department of Electronics and Communication Engineering


**SREE VENKATESWARA COLLEGE OF
ENGINEERING::NELLORE**

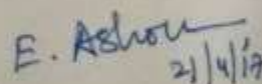
(Approved by AICTE, Delhi and Affiliated to JNTU, Ananthapuramu).

CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF TRAFFIC LIGHT CONTROLLER USING FPGA" being submitted by D. V. Saivi (13JN1A04A8), M. Sulakshana (13JN1A0464), MD. Tanvi Basha (13JN1A0473), R. Khyathi (13JN1A0493), R. Lidiya Rani (13JN1A0492) and M. V. Ravali (13JN1A0476) in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project Supervisor
Mrs. S. V. Padmaja Rani (M.Tech./Ph.D)
PROJECT GUIDE
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
Mrs. S. V. PADMAJARANIM.Tech./Ph.D)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of External Examiner


Department of Electronics and Communication Engineering


SREE VENKATESWARA COLLEGE OF ENGINEERING NELLORE

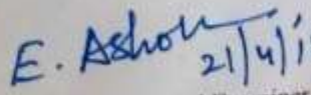
(Approved by AICTE, New Delhi & Affiliated to JNTU, Ananthapuramu)

CERTIFICATE

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF BARREL SHIFTER WITH EFFICIENT AREA AND TIMING CHARACTERISTICS" being submitted by S.KARTHIK (13JN1A0494), M.RAJKIRAN (13JN1A0462), A.CHAITANYA KUMAR (14JN5A0401), Y.SAIKRISHNA (13JN1A04B7), N.JAGADISH (13JN1A0478) in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University, Ananthapuramu, is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the Institute for the award of any degree.


Signature of Project Supervisor
Mrs.S.V.PADMAJA RANI, M.Tech,(Ph.D)
PROJECT GUIDE
Department of E.C.E
Sree Venkatewara College of Engineering,
Nellore.


Signature of the Head of Department
Mrs.S.V.PADMAJA RANI, M.Tech,(Ph.D)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkatewara College of Engineering,
Nellore.

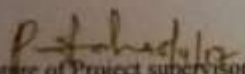

Signature of External Examiner


Department of Electronics and Communication Engineering

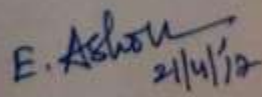
SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE
(Affiliated to JNTU, Ananthapuramu)

CERTIFICATE

This is to certify that the project report entitled "**IOT BASED HOME AUTOMATION USING ANDROID APPLICATION**" being submitted by **T. Ravindra Babu (13JN1A04A4)**, **SK. Mahabub Basha (14JN5A0404)**, **SK. Salman Khan (13JN1A0498)**, **P. Vengal Rao (13JN1A0480)**, **S.V. Sudheer (13JN1A04A3)** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Ananthapuramu, is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.


Signature of Project supervisor
P. JOSHNA
M.Tech
PROJECT GUIDE
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of the Head of Department
S.V. PADMAJA RANI
M. Tech, (PhD)
HEAD OF THE DEPARTMENT
Department of E.C.E
Sree Venkateswara College of
Engineering, Nellore.


Signature of External Examiner



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act. No. 30 of 2008)
ANANTHAPURAMU – 515 002 (A.P) INDIA

Course Structure & Syllabus for B.Tech. (Regular)
R13 Regulations

COMPUTER SCIENCE & ENGINEERING

B.Tech. I Year

S.No	Course code	Subject	Th	Tu/	Lab.	Credits
1.	13A52101	Communicative English	2	-	-	3
2.	13A56101	Engineering Physics	2	-	-	3
3.	13A51101	Engineering Chemistry	2	-	-	3
4.	13A54101	Mathematics - I	3	1	-	5
5.	13A05101	Problem Solving & Computer Programming	3	1	-	5
6.	13A54102	Mathematics - II	3	1	-	5
7.	13A99101	Basic Electrical & Electronics Engineering	3	1	-	5
8.	13A05102	Computer Programming Lab	-	-	3	4
9.	13A99102	Engineering Physics & Engineering Chemistry Lab *	-	-	3	4
10.	13A99103	Engineering & IT Workshop #	-	-	3	4
11.	13A52102	English Language Comm. Skills Lab	-	-	3	4
Total Credits						45

Th = Theory; Tu = Tutorial & Lab = Laboratory:

* The students shall attend the Physics lab and Chemistry lab in alternate weeks. The end exam shall be conducted separately and average of the two exams shall be recorded by the University exam section.

The students shall attend Engineering and IT work shop as a single lab every week and the end exam is conducted as a single lab. Sharing the Maximum marks and time for one task each from Engineering workshop and IT workshop. The sum of the marks awarded shall be recorded.


S.V. Padmanajkani
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAI UR, SPSP Nellore Dist

B.Tech. II - I Semester

S.No	Course code	Subject	Th	Tu /Drg /Lab	Credits
1.	13A03304	Engineering Graphics	1	- 3 -	3
2.	13A54303	Probability and Statistics	3	1 - -	3
3.	13A01403	Environmental Science		1 - -	3
4.	13A05301	Data Structures	3	1 - -	3
5.	13A04306	Digital Logic Design	3	1 - -	3
6.	13A05302	Discrete Mathematics	3	1 - -	3
7.	13A99304	Electrical & Electronics Engineering Lab	-	- - 3	2
8.	13A05303	Data Structures Lab	-	- - 3	2
Total Credits					22

B.Tech. II - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A05401	Computer Organization & Architecture	3	1 -	3
2.	13A05402	Database Management Systems	3	1 -	3
3.	13A05403	Java Programming	3	1 -	3
4.	13A05404	Formal Languages & Automata Theory	3	1 -	3
5.	13A05405	Principles of Programming Languages	3	1 -	3
6.	13A05406	Design And Analysis of Algorithms	3	1 -	3
7.	13A05407	Database Management Systems Lab	-	- 3	2
8.	13A05408	Java Programming Lab	-	- 3	2
9.	13A52301	Human Values & Professional Ethics (Audit Course)	2	- -	-
Total Credits					22



S.V. Padmaja Rani
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAI UR, SPSP Nellore Dist

B.Tech. III - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A05501	Operating Systems	3	1 -	3
2.	13A05502	Compiler Design	3	1 -	3
3.	13A05503	Unix and Shell Programming	3	1 -	3
4.	13A05504	Software Engineering	3	1 -	3
5.	13A04507	Micro Processors & Interfacing	3	1 -	3
6.	13A52501	Managerial Economics and Financial Analysis	3	1 -	3
7.	13A05505	Operating Systems Lab	-	- 3	2
8.	13A05506	Compiler Design and Assembly Language Programming Lab	-	- 3	2
9.	13A52502	Advanced English language Comm. Skills Lab (Audit Course)	-	- 3	
Total Credits					22

B.Tech. III - II Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A05601	Computer Networks	3	1 -	3
2.	13A05602	Object Oriented Analysis, Design & Modeling	3	1 -	3
3.	13A05603	Data Mining	3	1 -	3
4.	13A05604	Web Programming	3	1 -	3
5.	13A05605	Software Testing Methodologies	3	1 -	3
6.	13A05606	Advanced Computer Architecture	3	1 -	3
7.	13A05607	Unified Modeling Language and Data Mining Lab	-	- 3	2
8.	13A05608	Web Programming Lab	-	- 3	2
Total Credits					22


S.V. Pandmajee Rami
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVAI UR. SPSP Nellore Dist

B.Tech. IV - I Semester

S.No	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A05701	Computer Graphics & Multimedia	3	1 -	3
2.	13A05702	Cryptography & Network Security	3	1 -	3
3.	13A05703	Service Oriented Architecture	3	1 -	3
4.	13A05704	Mobile Application Development	3	1 -	3
5.		Elective – I (Open Elective)	3	1 -	3
		Elective –II			
6.	13A05705	Information Retrieval Systems	3	1 -	3
	13A05706	Human Computer Interaction			
	13A05707	Computer Forensics			
	13A05708	Digital Image Processing			
7.	13A05709	Computer Networks and Network Security Lab	-	- 3	2
8.	13A05710	Mobile Application Development and Computer Graphics Lab	-	- 3	2
Total Credits					22

B.Tech. IV - II Semester

S.No.	Course code	Subject	Theory	Tu / Lab	Credits
1.	13A52601	Management Science	3	1 -	3
2.	13A05801	Cloud Computing	3	1 -	3
		Elective-III			
3.	13A05802	Software Project Management	3	1 -	3
	13A05803	Software Architecture & Design Patterns			
	13A05804	Storage Area Networks			
	13A05805	Artificial Intelligence			
		Elective-IV			
4.	13A05806	Parallel and Randomized Algorithms	3	1 -	3
	13A05807	Embedded Systems			
	13A05808	Game Theory			
	13A05809	Adhoc and Sensor Networks			
5.	13A05810	Seminar & Comprehensive Viva-Voce	-	- -	3
6.	13A05811	Project	-	- -	10
Total Credits					25

s.v. Pandaraj Rani
PRINCIPAL
SREE VENKATESWARA COLLEGE
OF ENGINEERING
KODAVALUR, SPSP Nellore Dist



CERTIFICATE

This is to certify that

K.BINDHUKALA	13JN1A0547
K.SREE RAMYA	13JN1A0556
G.KALYANI	13JN1A0534
CH.SUPRIYA	13JN1A0514

Pursuing IV B.Tech Computer Science & Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on **“PLACEMENT MANAGEMENT SYSTEM”** at LETSLEARN.GURU, Nellore, from 15-02-2017 to 10-03-2017.

During the above period, their conduct was found to be very good.

Dt. 10-03-2017
Nellore.

S.KA
DIRECTOR



2nd Floor, PMR Trade Complex, Opp. Kandukuri Shopping Mall, Near RTC, Nellore-3
+91-9492277998, 9966485234 www.letslearn.guru



SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapuramu)

Golden Nagar, North Rajupalem, NH-5 Bypass Road, SPSR Nellore (Dt.), A.P-524 316.

www.sves.in



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that Project Report entitled "MONITORING WEB USER SESSIONS USING CLUSTERING TECHNIQUES" is the Bonafide record work done and submitted by K. Anjani Sruthi, CH. Suma, K. Vishnu Priya, A. Mounika in the partial fulfillment of requirements for the Award of the Degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

(Mr. R. SATYA RAJENDRA SINGH)

Project Guide

Dept. of Computer Science & Engineering

(Mr. R. SATYA RAJENDRA SINGH)

Head of the Department

Dept. of Computer Science & Engineering

INTERNAL EXAMINER

EXTERNAL EXAMINER

SREE VENKATESWARA COLLEGE OF ENGINEERING


(Affiliated to J.N.T University Ananthapur, Anantapuramu)
Golden Nagar, North Rajupalem, SPSR Nellore, A.P- 524316




DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "DEFENSES AGAINST ONLINE PASSWORD GUESSING ATTACKS", is the bonafide work done by K.GEETHIKA [13JN1A0546], CH.NAVYA SRI [13JN1A0519], K.JAYA SREE [13JN1A0551], D.SAHITHYA [13JN1A0523] in the department of Computer Science and Engineering, Sree Venkateswara College of Engineering, Nellore and is submitted to Jawaharlal Nehru Technology University Ananthapur, Anantapuramu in partial fulfillment of the requirements for the award of degree of Bachelor of Technology. This work has been carried out by them under my guidance and is not submitted to any examinations conducted for the award of degree.


PROJECT GUIDE
Mr.D.ARUN PRASAD
Assistant Professor
Department of CSE


HEAD OF THE DEPARTMENT
Mr.R.SATYA RAJENDRA SINGH
Associate Professor & HOD
Department of CSE

Submitted for the university examination held on 26-04-2017.


INTERNAL EXAMINER


EXTERNAL EXAMINER

SREE VENKATESWARA COLLEGE OF ENGINEERING
(Affiliated to JNTUA, Anantapuramu)
Golden Nagar, North Rajupalem, NH-5 Bypass Road, SPSR Nellore(Dt.), A.P- 524316
www.sves.in



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE

This is certify to that the major project report entitled " **EMPLOYEE MONITORING SYSTEM** ", is the bonafide work done by I.LAKSHMI PRIYA[13JN1A0535], K.HARIKA[13JN1A0540],G.APURUPA[13JN1A0530],A.HARI CHANDANA [13JN1A0503], in the department of Computer Science and Engineering, **Sree Venkateswara College of Engineering**, Nellore and is submitted to **Jawaharlal Nehru Technology University Ananthapur**, Anantapuramu in partial fulfillment of the requirements for the award of degree of Bachelor of Technology.


PROJECT GUIDE
V.KUSUMA PRIYA
Assistant Professor
Department of CSE


HEAD OF THE DEPARTMENT
MR.R.SATYA RAJENDRA SINGH
Associate Professor & HOD
Department of CSE

Submitted for the university examination held on 26-04-2017


INTERNAL EXAMINER


EXTERNALEXAMINER

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapuramu)

Golden Nagar, North Rajupalem, NH-5 Bypass Road, SPSR Nellore(Dt.), A.P- 524316

www.sves.in



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is certify to that the major project report entitled "SMART FEE PAY – AN ANDROID APPLICATION", is the bonafide work done by K.HARIKA[13JN1A0544], CVS.GEETHIKA[13JN1A0513], CH.NEELIMA[13JN1A0518], B.MANASA[13JN1A0505] in the department of Computer Science and Engineering, Sree Venkateswara College of Engineering, Nellore and is submitted to Jawaharlal Nehru Technology University Ananthapur, Anantapuramu in partial fulfillment of the requirements for the award of degree of Bachelor of Technology.

PROJECT GUIDE
MR.K.VENKATA RAMANA
Assistant Professor
Department of CSE

HEAD OF THE DEPARTMENT
MR.R.SATYA RAJENDRA SINGH
Associate Professor & HOD
Department of CSE

Submitted for the university examination held on

26.04.2017

INTERNAL EXAMINER

EXTERNAL EXAMINER

SREE VENKATESWARA COLLEGE OF ENGINEERING

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Golden Nagar, North Rajupalem, NH-5 Bypass Road, SPSR Nellore(Dt.), A.P- 524316


www.svece.in



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is certify to that the major project report entitled "VEHICLE INFORMATION SYSTEM" is the bonafide work done by B.HEMA[13JN1A0507], M.SIVANVITHA[13JN1A0559],K.SINDHURA[13JN1A0554],B.NAGAPUJITHA [13JN1A0508] in the department of Computer Science and Engineering, Sree Venkateswara College of Engineering, Nellore and is submitted to Jawaharlal Nehru Technology University Ananthapur, Anantapuramu in partial fulfillment of the requirements for the award of degree of Bachelor of Technology.


PROJECT GUIDE
MR.R.SATYA RAJENDRA SINGH
Associate Professor &HOD
Department of CSE


HEAD OF THE DEPARTMENT
MR.R.SATYA RAJENDRA SINGH
Associate Professor & HOD
Department of CSE

Submitted for the university examination held on 26-04-2017


INTERNAL EXAMINER


EXTERNALEXAMINER

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA Ananthapuramu)

Golden Nagar, North Rajupalem, NH-5 Bypass Road, SPSR Nellore (Dt.), A.P- 524316

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that Project Report entitled E-CLASSROOM BY USING SECURE SOCKET PROGRAMMING is the bonafide record work done and submitted by D.POOJITHA,G.MANEESHA,K.SARITHA,K.SUMAPRIYA in the partial fulfillment of requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Mr. K.MAHENDRA
Project Guide
Dept. of Computer Science & Engineering

(Mr. R.SATYA RAJENDRA SINGH)
Head of the Department
Dept. of Computer Science & Engineering

INTERNAL EXAMINER

EXTERNAL EXAMINER

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to J.N.T.U.A, Anantapuramu)

Golden Nagar, North Rajupalem, SPSR Nellore, A.P- 524316



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CERTIFICATE

This is certify to that the major project report entitled "CONNECTING SOCIAL MEDIA TO E-COMMERCE:COLD START PRODUCT RECOMMENDATION USING MICROBLOGGING INFORMATION", is the bonafide work done by CH.RUPA KALPANA [13JN1A0517], K.D.V.VAISHNAVI [13JN1A0550], D.DEEPIKA [13JN1A0524], D.VARSHINI [13JN1A0522] in the department of Computer Science and Engineering, Sree Venkateswara College of Engineering, Nellore and is submitted to Jawaharlal Nehru Technology University Ananthapur, Anantapuramu in partial fulfillment of the requirements for the award of degree of Bachelor of Technology.

PROJECT GUIDE
MR.P.KRISHNA REDDY
Assistant Professor
Department of CSE

HEAD OF THE DEPARTMENT
MR.R.SATYA RAJENDRA SING
Associate Professor & HOD
Department of CSE

Submitted for the university examination held on 26-04-2017

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SREE VENKATESWARA COLLEGE OF ENGINEERING

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Golden Nagar, North Rajupalem, SPSR Nellore, A.P- 524316



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CERTIFICATE

This is to certify that the major project report entitled “**DETECTING MALICIOUS FACEBOOK APPLICATIONS**”, Is the bonafide work done by G.MADHURYA(13JN1A0528),M.RAMYASREE(13JN1A0558),CH.SAHITYA(13JN1A0512),K.SWAPNA(13JN1A0543) In the department of Computer Science & Engineering , Sree Venkateswara College of Engineering, Nellore and is submitted to Jawaharlal Nehru Technology University , Anantapuramu in partial fulfillment of the requirements for the award of degree of Bachelor of Technology. This work has been carried out by him under my guidance and is not submitted to any examinations conducted for the award of degree.


Project guide

Mr. K.KIRAN KUMAR


Head of the Department

Mr.R.SATYA RAJENDRA SINGH

Submitted for the university examination held on 26-4-2017


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EXTERNAL EXAMINER

SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to J.N.T. University, Anantapur)

Golden Nagar, North Rajupalem, NH-5 Bypass Road, SPSR Nellore (Dt), A.P-524 316.

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This is to certify that Project Report entitled "USIR: ULTRA SONIC INTELLIGENCE ROBOT OVER IoT" is the Bonafide record work done and submitted by CHAVALA.P.V.S.PRUDHVI, C.LAKSHMI NARAYANA REDDY, A.VENKAT SAIRAM, & CHAITANYA KUMAR, K.C.KRISHNA in the partial fulfillment of requirements for the Award of the Degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

(Mr.SK. MASOOD AHMED)

Project Guide

Dept. of Computer Science & Engineering

(Mr.R. SATYA RAJENDRA SINGH)

Head of the Department

Dept. of Computer Science & Engineering

INTERNAL EXAMINER

EXTERNAL EXAMINER

SREE VENKATESWARACOLLEGE OF ENGINEERING

(Affiliated to J.N.T.U.A, Anantapuramu)

Golden Nagar, North Rajupalem, NH-5 Bypass Road, SPSR Nellore (Dt.), A.P-524 316.

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This is to certify that Project Report entitled "A GAME WITH UNITY" is the Bonafide record work done and submitted by G.Arun (13JN1A0533), G.Naveen (13JN1A0531), C.Lalith (13JN1A0521), G.Sai kumar (13JN1A0526), G.Damodar (13JN1A0532) in the partial fulfillment of requirements for the Award of the Degree of Bachelor of Technology. This work has been carried out by them under my guidance and is not submitted to any examinations conducted for the award of degree.

Project Guide
Mr. T.K. Balaji
Senior Assistant Professor
Department of CSE

Head of the Department
Mr. R. Satya Rajendra Singh
Associate Professor & HOD
Department of CSE

Submitted for the university examination held on 26-05-2017

INTERNAL EXAMINER

EXTERNAL EXAMINER

(Affiliated to J.N.T.U.A, Anantapuramu)

Golden Nagar, North Rajupalem, NH-5 Bypass Road, SPSR Nellore (Dt.), A.P-524 316.

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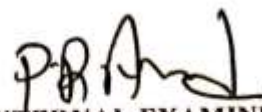
This is to certify that Project Report entitled "AIR WRITING RECOGNITION" is the Bonafide record work done and submitted by **L.MAHINDAR (13JN1A0557), K.NIKHIL (13JN1A0541), K.ROOPESH (13JN1A0549), K.SAIKRISHNA(13JN1A0552), K.KARTHIK SINGH (13JN1A0555)** in the partial fulfillment of requirements for the Award of the Degree of Bachelor of Technology. This work has been carried out by him under my guidance and is not submitted to any examinations conducted for the award of degree.


Project Guide
Mr. SHAIK.JAVEED
Department of CSE


Head of the Department
Mr. R.Satya Rajendra singh
Associate Professor & HOD
Department of CSE

Submitted for the university examination held on 26 | 4 | 2017


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