



**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. Padmanjaya Rami  
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.*

*S.V. Padmanj Lami*  
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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.		<b>Elective – I (Open Elective)</b>	3	1 -	3
		<b>Elective – II</b>			
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
<b>Total Credits</b>					<b>22</b>

**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
		<b>Elective – III</b>			
3.	13A01803 13A01804 13A01805 13A01806	Advanced Foundation Engineering Water Shed Management Remote Sensing & GIS Rehabilitation and Retrofitting of Structures	3	1 -	3
		<b>Elective – IV</b>			
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
<b>Total Credits</b>					<b>25</b>

S.V. Padmaja Rani  
PRINCIPAL

4





## ENGINEERING INTEGRATED TRAINING INSTITUTE

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

Date: 14/03/2018

### CERTIFICATE

This is to certify that the project entitled

" PLANNING AND DESIGN OF G+4 RESIDENTIAL BUILDING "

Carried out by

T.KARTHEEK	15JN5A0106
V.PRIYANKA	14JN1A0175
S.PRUDHVIKA SHYNI	14JN1A0163
Y.PRASAD	14JN1A0176
T.S.T.SHANKUKHA MOURYANAN	14JN1A0170

Pursuing B.Tech IV year CIVIL from SREE VENKATESWARA ENGINEERING COLLEGE, Nellore towards the fulfillment of their Bachelor Degree during the period 15/02/2018 to 14/03/2018.

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

For Engineering Integrated Training Institute

*[Signature]*

*K. Manidhar*  
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 Dt.



## CERTIFICATE

This is to certify that the project work entitled "DESIGN OF FLEXIBLE PAVEMENT"  
is the bonafide work submitted

By

K.SONU PRIYA	(14JN1A0133)
J.SARATH KUMAR	(14JN1A0128)
G.SWATHI	(14JN1A0123)
D.VAMSI	(14JN1A0112)
I.V.D.CHAITHANYA	(14JN1A0127)
M.CHAITHANYA	(14JN1A0130)

during the year 2017-2018 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. G. PRANAY KUMAR M.Tech

Asst. Prof. of CIVIL ENGG.

Head of Department:

Mr. SK. HUMAYUN BASHA M.Tech

Assoc. Prof. of CIVIL ENGG.

External Examiner:

Date:

07-05-2018



# SREE VENKATESWARA COLLEGE OF ENGINEERING

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

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



## CERTIFICATE

This is to certify that the project work entitled "PLANING, ANALYSIS & DESIGN OF A RESIDENTIAL BUILDING (G+1)"

Is the bonafide work submitted

By

A.VAMSI KRISHNA	(14JN1A0102)
D.V. SIVA KUMAR	(14JN1A0117)
CH. ANKAIAH	(14JN1A0108)
G. CHANIKYA	(14JN1A0120)
K. RAJEEV RAO	(14JN1A0129)
G. KRISHNA VAMSI	(14JN1A0122)

during the year 2017-2018 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. GANGADHAR M.Tech

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Head of Department:

Mr. SK. HUMAYUN BASHAM Tech

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HOD  
Department of Civil Engineering  
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Kodavalluru, SPSR Nellore (DL) Pin : 524121

External Examiner: \_\_\_\_\_

Date: \_\_\_\_\_

07.05.2018

15/04/18

# 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 COMPARITIVE STUDY ON MECHANICAL PROPERTIES OF NORMAL CONCRETE AND NANO CONCRETE BY USING NANO SILICA AND SILICA FUME"

is the bonafide work submitted

By

Y.CHANDRA SEKHAR (14JN1A0177)

P.SAI GOWTHAM (14JN1A0149)

S.VINAY KUMAR (14JN1A0165)

SK.MANSOOR (15JN5A0105)

T.LEESA (14JN1A0171)

during the year 2017-2018 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. SD.MUSHTAQ AHAMED M.Tech

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Head of Department:

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HOD  
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Kodavaluru, SPSR Nellore (Dt), Pin : 524316

External Examiner:

Date:



# SREE VENKATESWARA COLLEGE OF ENGINEERING

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



## CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL STUDY ON HIGH EARLY STRENGTH CONCRETE WITH DIFFERENT DOSAGES OF ACCELERATOR AND FLYASH" is the bonafide work submitted

By

P.SUMAN	(14JN1A0155)
G.NIKHIL	(14JN1A0179)
SK.GOUSE MOHIDDIN	(14JN1A0161)
K.SYAM KUMAR	(14JN1A0180)
T.MANOJ	(14JN1A0169)
D.DHARMAIAH	(14JN1A0184)

during the year 2017-2018 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:

Mrs. L.INDHUMATHI DEVI M.Tech

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Head of Department:

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Assoc. Prof. of CIVIL ENGG

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

External Examiner:

Date:

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



## CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL INVESTIGATION ON USE OF COALMINE OVERBURDEN AS A PARTIAL REPLACEMENT OF F.A IN CONCRETE"

is the bonafide work submitted

By

M.SAI KRISHNA	(14JN1A0141)
K.NAGENDRA BABU	(14JN1A0135)
D.PENCHALA PRASAD	(14JN1A0113)
CH.RAVALI	(14JN1A0110)
D.SAI NIKHIL	(14JN1A0118)

during the year 2017-2018 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 BASHAM M.Tech

Assoc. Prof. of CIVIL ENGG.

External Examiner: \_\_\_\_\_

Date: 07.05.2018



# SREE VENKATESWARA COLLEGE OF ENGINEERING

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



## CERTIFICATE

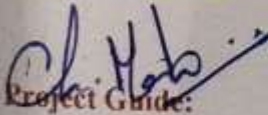
This is to certify that the project work entitled "DESIGN OF RIGID PAVEMENT AT  
SVCE COLLEGE"

is the bonafide work submitted

By

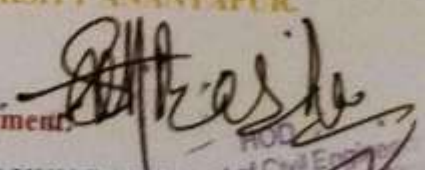
D.ANOOSHA	(14JN1A0115)
M.RITISH RAJ	(14JN1A0142)
CH.RAJ KISHORE	(14JN1A0109)
L.BHARGAV RAM	(14JN1A0140)
K.SRI SANJANA	(14JN1A0139)

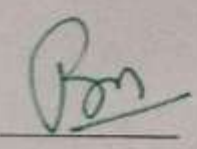
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR.

  
Project Guide:

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

Head of Department:

  
Mr. SK. HUMAYUN BASHIR  
Assoc. Prof. of CIVIL ENGG.

External Examiner: 

Date: 07-05-2018

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



## CERTIFICATE

This is to certify that the project work entitled "UTILISATION OF SEA SAND AS A STABILIZING AGENT FOR BLACK COTTON SOIL"

is the bonafide work submitted

By

Y. SASANK	(14JN1A0183)
S. RAKESH KUMAR	(14JN1A0162)
M. SURYA TEJA	(15JN5A0101)
P. SRI HARI	(14JN1A0154)
G. NIVEDITHA	(14JN1A0178)

during the year 2017-2018 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:

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HOD  
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Kodavaturu, SPSR Nellore (Dt). Pin : 524316

External Examiner:

Date:



**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 BY USING LIME  
AND JUTE FIBRES"

is the bonafide work submitted

By

M.MOULIDHAR	(14JN1A0144)
C.PRINCE	(14JN1A0111)
K.INEETH RAJ	(14JN1A0132)
K.KRISHNA MOHAN	(14JN1A0114)
K.SASI PREETHAM	(14JN1A0131)
K.RAJ KUMAR	(14JN1A0138)

during the year 2017-2018 in partial fulfillment of the requirements for the award of  
degree of "BACHELOR OF TECHNOLOGY" in "CIVIL ENGINEERING" in  
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Project Guide:

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Head of Department:

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External Examiner:

Date:

07-05-2018



**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**

Sl.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.	13A12101	Programming in C & Data Structures	3	1	-	5
6.	13A54102	Mathematics - II	3	1	-	5
7.	13A02101	Electrical Circuits	3	1	-	5
8.	13A12102	Programming in C & Data Structures Lab		-	3	4
9.	13A99102	Engineering Physics and Engineering Chemistry Lab *		-	3	4
10.	13A99103	Engineering & I.T. Workshop #		-	3	4
11.	13A52102	English Language Communication 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. Padaraj Rami*  
**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.	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  
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 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

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PRINCIPAL

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**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.		<b>Elective – I (Open Elective)</b>	3	1 -	3
6.		<b>Elective – II</b>	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
<b>Total Credits</b>					<b>22</b>

**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.		<b>ELECTIVE – III</b>	3	1 -	3
	13A02803	Modern Control Theory			
	13A02804	Special Electro Mechanical Systems			
	13A02805	Power System Deregulation			
	13A02806	Switch Mode Power Converters			
4.		<b>ELECTIVE – IV</b>	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
<b>Total Credits</b>					<b>25</b>

*S.V. Padmaja Devi*

**PRINCIPAL**

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



## CERTIFICATE

This is to certify that

S.SAIPRAKASH

14JN1A0241

I.TEJASWI

14JN1A0212

M.SUNEEL KUMAR

15JN5A0206

M.HARISH

14JN1A0225

Pursuing IV B.Tech Electrical & Electronics Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on **"Optimum control and simulation for a Grid connected PV system"** at LETSLEARN.GURU, Nellore, from 15-02-2018 to 13-03-2018.

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

Dt. 13-03-2018  
Nellore.

*S.K.A*  
DIRECTOR



2<sup>nd</sup> Floor, PMR Trade Complex, Opp. Kandakari Shopping Mall, Near RTC, Nellore-3

+91-9492277908, 9966485234 [www.letslearn.guru](http://www.letslearn.guru)



## CERTIFICATE

This is to certify that

P.BHARGAVI

14JN1A0232

K.LAVANYA

14JN1A0221

CH.SALMON

15JN5A0203

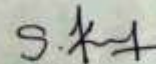
N.SHRIPRADA

15JN5A0207

Pursuing IV B.Tech Electrical & Electronics Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on "Enhancement of stability of grid interconnection of Wind Farm using UPQC" at LETSLEARN.GURU, Nellore, from 15-02-2018 to 13-03-2018.

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

Dt. 13-03-2018  
Nellore.



DIRECTOR



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**SREE VENKATWESWARA COLLEGE OF ENGINEERING**  
**KODAVALURU, NELLORE**

AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,  
ANANTAPUR



**CERTIFICATE**

This is to certify that a project report entitled as "**COMPARITIVE ANALYSIS OF SYMMETRICAL AND ASYMMETRICAL CASCADED MULTILEVEL INVERTER USING SPWM TECHNIQUE**" is being submitted by A.PALLAVI REDDY (14JNIA0201), K.NAVEEN (14JNIA0213), SK.NASEEMA (14JNIA0236), G.PRASANTH KUMAR (14JNIA0209) in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in "**ELECTRICAL AND ELECTRONICS ENGINEERING**" during the academic year 2017- 2018.

Mr. V.ANIL KUMAR, M. E.,(Ph.D)  
Associate Professor ,

**PROJECT GUIDE**

Dept. of Electrical and Electronics Engg,  
Sree Venkateswara College of Engineering,  
Nellore-524316.

Mr. 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 7/5/18

Examiner-1

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# SREE VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(AFFILIATED TO JNTU, ANANTAPUR)

KODAVALURU

2017- 2018



## CERTIFICATE

This is to certify that a project report entitled as “**NEW BIDIRECTIONAL INTELLIGENT SEMICONDUCTOR TRANSFORMER FOR SMART GRID APPLICATION**” is a Project report submitted by B. HARSHITHA(14JN1A0204), T. RAJARAJESWARI (14JN1A0242), U. VENU (15JN5A0214), P. MOUNISH KUMAR (14JN1A0234) in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in “**ELECTRICAL AND ELECTRONICS ENGINEERING**” during the academic year 2017-2018.

Mr.T. SRIKANTH, M.TECH.

Assistant Professor,

Project Guide,

Dept of Electrical & Electronics Engg

Sree Venkateswara College of Engineering

Nellore-524316.

Mr.V.ANIL KUMAR, M.E. (PhD),

Associate Professor,

Head of the Department,

Dept of Electrical & Electronics Engg,

Sree Venkateswara college of Engg,

Nellore-524316

Date of Project submission 7/5/18

Examiner-1  
CamScanner



Examiner-2

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**SREE VENKATWESWARA COLLEGE OF ENGINEERING**  
**KODAVALURU, NELLORE**

AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,  
ANANTAPUR



**CERTIFICATE**

This is to certify that a project report entitled as "**ENHANCEMENT OF POWER QUALITY AND RELIABILITY OF A MICROGRID**" is being submitted by **G.SUPRIYANKA (14JN1A0208), V.BRAHMASAI (14JN1A0248), P.CHANIKYA (15JN5A0210)** in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in "**ELECTRICAL AND ELECTRONICS ENGINEERING**" during the academic year 2017-2018.

**PROJECT GUIDE**

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

**HEAD OF THE DEPARTMENT**

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

Date of PROJECT  
Submission 7-5-18

**Examiner-1**

**Examiner-2**



**SREE VENKATESWARA COLLEGE OF ENGINEERING**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(AFFILIATED TO JNTU, ANANTAPUR)

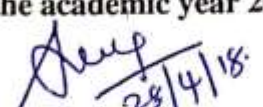
KODAVALURU


2017- 2018



**CERTIFICATE**

This is to certify that a project report entitled as **“DESIGN OF SYMMETRICAL CASCADED H-BRIDGE MULTILEVEL INVERTER WITH DIFFERENT LEVELS”** is a bonfide report submitted by T.SUMARCHITHA(14JN1A0244), D.YASWANTH REDDY(14JN1A0207), M.PALLAVI(14JN1A0226), P.NAVEEN VENKAT(14JN1A0235) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in **“ELECTRICAL AND ELECTRONICS ENGINEERING”** during the academic year 2017-2018.

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

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

Date of Project submission 07-05-2018

  
Examiner-1  
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Examiner-2

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



**CERTIFICATE**

This is to certify that a project report entitled as “**ENHANCEMENT OF POWER SYSTEM STABILITY USING STATIC SYNCHRONOUS SERIES COMPENSATOR (SSSC)**” is being submitted by **A.PRAVEEN (14JN1A0202), N.VENKATESH (15JN5A0208), B.ISWARYA (14JN1A0205), O.CHAITANYA (14JN1A0231)** in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in “ **ELECTRICAL AND ELECTRONICS ENGINEERING** ” during the academic year 2017-2018.

*PK 15/4/18*  
Mr. Y.V.NIRANJAN KUMAR, M. Tech.,  
Assistant Professor ,  
Dept. of Electrical and Electronics Engg,  
Sree Venkateswara College of Engineering,  
Nellore-524316.

*Deep 26/4/18*  
Mr. V.ANIL KUMAR., M.E.,(Ph.D)  
Associate Professor ,  
Dept. of Electrical and Electronics Engg,  
Sree Venkateswara College of Engineering,  
Nellore-524316.

Date of Project Submission 4/05/18

*Deep*  
Examiner-1

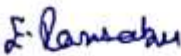
*Deep*  
Examiner-2

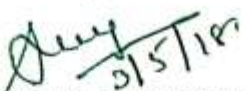


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
SREE VENKATESWARA COLLEGE OF ENGINEERING  
(Approved by AICTE, Delhi & Affiliated to JNTU, Ananthapur)



This is to certify that a Project Report Entitled as "INTELLIGENT POWER DISTRIBUTION BY INTEGRATING SMART DEVICE USING RENEWABLE ENERGY RESOURCES" is a bonafide report submitted by P.UMASREE (14JN1A0236), A.KRISHNA KUMAR (14JN1A0203), K.VASAVI (14JN1A0216), VVPR.SREEKAR (14JN1A0250) in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2017-2018.

  
E.RAMBABU, M.Tech,  
Assistant Professor,  
Project Guide,  
Dept of Electrical & Electronics Eng,  
Sree Venkateswara College of Eng,  
Nellore-524316.

  
V.ANIL KUMAR, M.E. (Ph.D)  
Associate Professor,  
Head of the Department,  
Dept of Electrical & Electronics Eng,  
Sree Venkateswara college of Eng,  
Nellore-524316.

Date of Project submission 7/5/2018

  
Examiner-1

  
Examiner-2

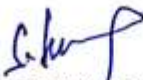


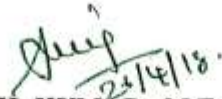
DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING  
SREE VENKATWESWARA COLLEGE OF ENGINEERING  
KODAVALUR, NELLORE  
AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL  
UNIVERSITY, ANANTAPUR



**CERTIFICATE**

This is to certify that a project report entitled as "IMPROVED ACTIVE POWER FILTER PERFORMANCE FOR RENEWABLE POWER GENERATION SYSTEMS" is a bonafide report submitted by V. AMAR (14JNIA0251), K. SAI SWAPNA (14JNIA0215), P. DINESH (15JN5A0211), V. HARSHAVARDHAN (14JNIA0249) in partial fulfilment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2017-2018.

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

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

Date of Project Submission 07-05-18

  
Examiner-1

  
Examiner-2





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



**CERTIFICATE**

This is to certify that a project report entitled as “ **POWER FACTOR CORRECTION SCHEME WITH TIME MULTIPLEXING CONTROL IN SINGLE STAGE**” is being submitted by **U.VIJITHA (14JN1A0246), T.MANIDEEP (15JN5A0213), G.VEERABRAHMAM (14JN1A0210), CH.SAI CHANDANA (14JN1A0206)** along with his batch mates in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in “ **ELECTRICAL AND ELECTRONICS ENGINEERING** ” during the academic year 2014-2018.

*T. Venkata Prasad*  
**Mr. T.VENKATA PRASAD , M. Tech.,**  
**Assistant Professor ,**  
**PROJECT GUIDE**  
**Dept. of Electrical and Electronics Engg,**  
**Sree Venkateswara College of Engineering,**  
**Nellore-524316.**

*Anil Kumar*  
**Mr. 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 7/5/18

*Anil Kumar*  
**Examiner-1**  
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*Anil Kumar*  
**Examiner-2**

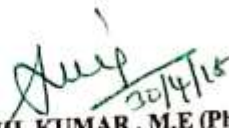
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**SREE VENKATWESWARA COLLEGE OF ENGINEERING**  
**KODAVALUR, NELLORE**  
**AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL**  
**UNIVERSITY, ANANTAPUR**



**CERTIFICATE**

This is to certify that a project report entitled as " A SINGLE-STAGE POWER CONVERSION WITH PV AND BATTERY MANAGEMENT " is a bonafide report submitted by Y.SIVATEJA (14JN1A0253), M.URMILA VEDHASRI (14JN1A0228), S.SURESH (15JN5A0217), U.NEELIMA (15JN5A0215) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in " **ELECTRICAL AND ELECTRONICS ENGINEERING** " during the academic year 2017-2018.

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

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

Date of Project Submission 01-05-2018

  
Examiner-with  
CamScanner

  
Examiner-2




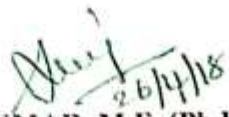


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
SREE VENKATESWARA COLLEGE OF ENGINEERING  
(Approved by AICTE, Delhi & Affiliated to JNTU, Ananthapur)



This is to certify that a Project Report Entitled as "A NEW CASCADED SWITCHED CAPACITOR MULTILEVEL INVERTER BASED ON IMPROVED SERIES-PARALLEL CONVERSION WITH LESS NUMBER OF COMPONENTS " is a bonafide report submitted by T.SRIKALA (14JN1A0245) , U.SRAVANI(14JN1A0247), K.SHINY APOORVA(14JN1A0219),T.DEEPTHI(14JN1A0243) in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2017-2018.

  
V.VISHNU VARDHAN, M.Tech,  
Assistant Professor,  
Project Guide,  
Dept of Electrical & Electronics Eng,  
Sree Venkateswara College of Eng,  
Nellore-524316.

  
V.ANIL KUMAR, M.E. (Ph.D)  
Associate Professor,  
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Nellore-524316.

Date of Project submission 07-05-2018

  
Examiner-1  
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Examiner-2


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


SREE VENKATESWARA COLLEGE OF ENGINEERING

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



This is to certify that a Project Report Entitled as "A SINGLE PHASE MULTISTRING MULTI LEVEL INVERTER TOPOLOGY FOR DISTRIBUTED ENERGY RESOURCES USING SPACE VECTOR MODULATION" is a bonafide report submitted by B.V.K.S. KASYAP (15JN5A0202), P. PRAVEEN KUMAR( 14JN1A0233), N. ROJA RAMANI (15JN5A0209), S. MAHESH BABU(14JN1A0237) in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2017-2018.

  
CH.SILPI PRIYANKA, M.Tech,  
Assistant Professor,  
Project Guide,  
Dept of Electrical & Electronics Eng,  
Sree Venkateswara College of Eng,  
Nellore-524316.

  
V.ANIL KUMAR, M.E. (Ph.D)  
Associate Professor,  
Head of the Department,  
Dept of Electrical & Electronics Eng,  
Sree Venkateswara college of Eng,  
Nellore-524316.

Date of Project submission 7-05-2018





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



CERTIFICATE

This is to certify that a Project report entitled as "SINGLE INPUT MULTIPLE OUTPUTS HIGH EFFICIENT BOOST DC-DC CONVERTER" is a bonafide report submitted by N.APARNA (14JN1A0230), Y.SUNEEL (14JN1A0252), D.KALYAN (15JN5A0205), SK.KHAJA MASTHAN (15JN5A0212), A.MADHUSUDHAN RAO (15JN5A0201) in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in "ELECTRICAL AND ELECTRONICS ENGINEERING" during the academic year 2017-2018.

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

  
Mr. 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 07-05-18

  
Examiner-1



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Examiner-2

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



**CERTIFICATE**

This is to certify that a project report entitled as **“A NEW POWER FACTOR CORRECTION TECHNIQUE USING PFC BOOST CONVERTER”** is being submitted by M.SRIHARI(14JN1A0224), G.SAI SUMANYA(14JN1A0211), K.SRAVYA(15JN5A0218), SK.SUBHAN(14JN1A0239), K.VINOD(14JN1A0220) in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in **“ ELECTRICAL AND ELECTRONICS ENGINEERING ”** during the academic year 2017-2018.

  
**PROJECT GUIDE**

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

  
**HEAD OF THE DEPARTMENT**

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

Date of Project Submission 07/05/2018

  
Examiner-1  
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Examiner-2





**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 Devi*  
PRINCIPAL

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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.		<b>ELECTIVE – I (Open Elective)</b>	3	1 -	3
6.		<b>ELECTIVE – II</b>	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.		<b>ELECTIVE – III</b>	3	1 -	3
	13A03803	Gas Turbines & Jet Propulsion ✓			
	13A03804	Tool Design			
	13A03805	Tribology			
	13A03806	Composite Materials ✓			
4.		<b>ELECTIVE – IV</b>	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

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**OF ENGINEERING**  
**KODAVAI UR, SPSP Nellore Dist**





## ENGINEERING INTEGRATED TRAINING INSTITUTE

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

Date: 09/03/2018

### CERTIFICATE

This is to certify that the project entitled

**"MECHANICAL CHARACTERIZATION OF GLASS/PALMYRA FIBER REINFORCED  
HYBRID POLYMER COMPOSITES"**

Carried out by

D. YAWANTH  
S. V. BHAVESH  
P. V. KISHORE  
G. RAVI  
A. RAKESH  
A. SUKUMAR

14JN1A0308  
14JN1A0345  
14JN1A0333  
14JN1A0311  
14JN1A0302  
14JN1A0352

Pursuing B.Tech IV year MECHANICAL from SREE VENKATESWARA  
ENGINEERING COLLEGE, Nellore towards the fulfillment of their Bachelor Degree  
during the period 10/02/2018 to 09/03/2018.

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, 1<sup>st</sup> Floor, Wahabpet, Nellore-524003

Date: 09/03/2018

### CERTIFICATE

This is to certify that the project entitled

"**RECUMBENT TRIKE**"

Carried out by

D.VAMSI KRISHNA REDDY  
CH. BLESSON  
G. SAMEER RAJ  
M.V.SURESH  
C. SAI KUMAR REDDY

14JN1A0307  
14JN1A0303  
14JN1A0310  
14JN1A0355  
14JN1A0365

Pursuing B.Tech 4<sup>th</sup> year MECHANICAL from SREE VENKATESWARA  
ENGINEERING COLLEGE, Nellore towards the fulfillment of their Bachelor Degree  
during the period 10/02/2018 to 09/03/2018.

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



Regards  
For Engineering Integrated Training Institute

*K. Manidhar*  
Managing Partner



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

**CERTIFICATE**

This is to certify that Project Report entitled "FABRICATION OF SOLAR POWERED THERMOELECTRIC REFRIGERATOR" is the Bonafide record work done and submitted by **A.SAIKIRAN (15JN5A0303)**, **D.SUNEEL (15JN5A0304)**, **T.SUKESH KUMAR (14JN1A0346)**, **P.NAGA SAI TEJA (14JN1A0334)**, **SK.UMAR FAROOQ (14JN1A0342)**. In the partial fulfilment of requirements for the award of the Degree of Bachelor of Technology. This work has been carried out under my guidance and is not submitted to any examinations conducted for the award of degree.

  
Signature of Project Supervisor

**B.V.R.M. KUMAR, M.Tech.,(Ph.D.)**  
PROJECT GUIDE  
Department of Mechanical Engineering  
Sree Venkateswara College of Engineering  
Nellore.

  
Signature of Head of the Department

**V.GOPALAKRISHNA M.Tech., EMBA**  
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 A FOUR LEGGED WALKING MACHINE BASED ON THEO-JANSEN SYNCHRONIZED GEAR MECHANISM**" being submitted by


A.V.SIVA NARAYANA	(15JN5A0301)
A.CHITRESH BABU	(15JN5A0302)
S.ARUN	(14JN1A0336)
M.POORNA CHARAN	(14JN1A0323)
P.BHASKAR	(14JN1A0330)

in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapur, 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

  
Dr. P. VENKATESWARLU, M.Tech, Ph.D.  
PROJECT GUIDE  
Department of Mechanical Engineering,  
Sree Venkateswara College of Engineering  
Nellore.

Signature of Head of the Department

  
V. GOPALAKRISHNA M.Tech., EMBA  
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 ROCKER BOGIE MECHANISM" being submitted by **N.DINESH (15JN5A0314), E.MANOJ(14JN1A0353), SK.SHADULLAH(15JN5A0311), SK.SANDHANI(15JN5A0310), SK.NASEER(14JN1A0339)**, in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapur, 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

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

  
Signature of Head of the Department

**V.GOPALAKRISHNA M.Tech, EMBA**  
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 "FABRICATION OF AUTOMATIC PAPER CUTTING MACHINE USING GENEVA MECHANISM" being submitted by **N. MOHAN (15JN5A0307), R. PRAKASHI (15JN5A0308), SK. MASTHAN (14JN1A0338), SK. YASEEN (14JN1A0343), A. BIARATHI (13JN1A0305)** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapur, 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

**P. MANOJ KUMAR, M.Tech.**  
PROJECT GUIDE  
Department of Mechanical Engineering,  
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Nellore.



Signature of Head of the Department

**V.GOPALAKRISHNA, M.Tech, EMBA**  
HEAD OF THE DEPARTMENT  
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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 DUAL PUMPING SYSTEM USING SCOTCH YOKE MECHANISM**” being submitted by **V.JAYASURYA(14JN1A0351),CH.NARENDRA (14JN1A0304),M.BHARATHI KUMAR(14JN1A0322),N.RAJKUMAR (14JN1A0326), V.BRAHMATEJA(14JN1A0356)**,in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University , Anantapur, 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

**V.GOPALAKRISHNA M.Tech., EMBA**  
**PROJECT GUIDE**  
Department of Mechanical Engineering,  
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Nellore.

  
Signature of Head of the Department

**V.GOPALAKRISHNA M.Tech., EMBA**  
**HEAD OF THE DEPARTMENT**  
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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 "AUTOMATIC EMERGENCY BRAKING SYSTEM" being submitted by **K.POOJITHKUMAR (14JN1A0317), P.HARSHAVARDHAN(14JN1A0332), V.MANOJKUMARREDDY(14JN1A0349), K.V.HEMANTH(14JN1A0318), K.TANISHK(14JN1A0319), K.SUDEEPKUMARREDDY(14JN1A0316)** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapur, 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

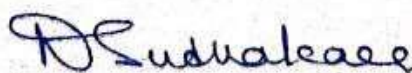


**M.R.S.SUBRAHMANYAM, M.E.**  
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Nellore.

Signature of Head of the Department



**V.GOPALAKRISHNA M.Tech., EMBA**  
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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 "**FABRICATION OF DUAL POWERED BICYCLE**" being submitted by **G.VENKATESWARLU** (15JN5A0305), **N.MAHESH** (15JN5A0315), **L.RAVI KESAVA REDDY** (14JN1A0321), **R.SURYA TEJA** (14JN1A0335), **V.PAKRI** (14JN1A0348) in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapur, 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

A.RAJASEKHAR, M.Tech,  
PROJECT GUIDE  
Department of Mechanical Engineering,  
Sree Venkateswara College of Engineering  
Nellore.

  
Signature of Head of the Department

V.GOPALAKRISHNA M.Tech, EMBA  
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, ANANTHAPURAMU)

**CERTIFICATE**

This is to certify that the project report entitled "PERFORMANCE EVALUATION OF THERMAL POWER STATION" being submitted by **V. SUDHEER KUMAR (15JN5A0313), V. SRIKANTH (15JN5A0312), V. UDAY KUMAR (14JN1A0350), SK. SHAMEER MAHABOOB (14JN1A0340), M. SUSHANTH (14JN1A0324)**, in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapur, 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

**B.V.R.M. KUMAR, M.Tech., (Ph.D.)**  
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Nellore.

  
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HEAD OF THE DEPARTMENT  
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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 "GEARLESS POWER TRANSMISSION BY HOBSON'S JOINT" being submitted by **G.CHAITANYA (14JN1A0313), K.V.SAI RAMANA (14JN1A0320), A.SAI PRASANTH (14JN1A0301), K.ANVESH (14JN1A0315), G.SUDHEER (14JN1A0312), SK.YUSUFSURAJ (14JN1A0344)** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Jawaharlal Nehru Technological University, Anantapur, 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

R.SANJAY KUMAR, M.Tech.,  
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Department of Mechanical Engineering,  
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Nellore.

  
Signature of Head of the Department

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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. Padmaja Rani  
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.		<b>Elective – I (Open Elective)</b>	3	1 -	3
		<b>Elective-II</b>			
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
<b>Total Credits</b>					<b>22</b>

**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
		<b>Elective-III</b>			
3.	13A04803	Satellite Communication	3	1 -	3
	13A04804	Spread Spectrum Communication			
	13A04805	Multimedia Communication			
		<b>Elective-IV</b>			
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
<b>Total Credits</b>					<b>25</b>

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



## CERTIFICATE

This is to certify that

<b>M.ARATHI PRIYA</b>	<b>14JN1A0481</b>
<b>M.KAVYA</b>	<b>14JN1A0484</b>
<b>N.USHA RANI</b>	<b>14JN1A04A0</b>
<b>P.SIREESHA</b>	<b>14JN1A04B0</b>
<b>P.GOWRIPRIYA</b>	<b>14JN1A04B1</b>

Pursuing IV B.Tech Electronics & Communication Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on **"Design and simulation of advanced encryption standard"** at LETSLEARN.GURU, Nellore, from 15-02-2018 to 13-03-2018.

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

Dt. 13-03-2018  
Nellore.

*S.K.*  
DIRECTOR



 2<sup>nd</sup> Floor, PMR Trade Complex, Opp. Kandukuri Shopping Mall, Near RTC, Nellore-3  
 +91-9492277998, 9966485234  [www.letslearn.guru](http://www.letslearn.guru)





## CERTIFICATE

This is to certify that

<b>B.MANJU</b>	<b>14JN1A0417</b>
<b>B.ANUPAMA</b>	<b>14JN1A0418</b>
<b>CH.NAGA SUNAYANA</b>	<b>14JN1A0422</b>
<b>E.JYOTHSNA</b>	<b>14JN1A0441</b>
<b>G.V.SAI SUSHMA</b>	<b>14JN1A0443</b>
<b>G.HARITHA</b>	<b>14JN1A0453</b>

Pursuing IV B.Tech Electronics & Communication Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on "implementation of single bit error correction using CRC" at LETSLEARN.GURU, Nellore, from 15-02-2018 to 13-03-2018.

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

Dt. 13-03-2018  
Nellore.

*S. K. J.*  
DIRECTOR



2<sup>nd</sup> Floor, PMR Trade Complex, Opp. Kandukuri Shopping Mall, Near RTC, Nellore-3

+91-9492277998, 9966485234 [www.letslearn.guru](http://www.letslearn.guru)



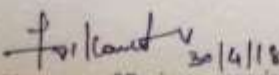
Department of Electronics and Communication Engineering

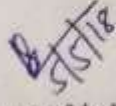
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ENGINEERING:: NELLORE.**

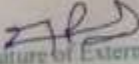
(Approved by AICTE, New Delhi and Affiliated to JNTU, Anantapuramu).

**CERTIFICATE**

This is to certify that the project report entitled "**PIBOT: LIVE STREAMING AND SURVEILLANCE USING RASPBERRY PI**" being submitted by R.SAI NIKHITH (14JN1A0409), J.NAGARJUNA (14JN1A0458), B.VENKATESWARLU (14JN1A0419), A.VINAY (14JN1A0407), CH.VIJAY KUMAR (14JN1A0424) in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Anantapur, 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  
V.SRIKANTH, M.Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of the Head of Department  
V.SUDHEER, M.Tech.  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of External Examiner



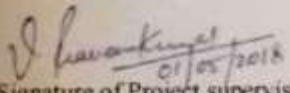
Department of Electronics and Communication Engineering

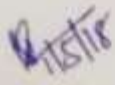
**SREE VENKATESWARA COLLEGE OF  
ENGINEERING::NELLORE**

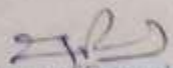
(Approved by AICTE, New Delhi and Affiliated to JNTU, Anantapuramu)

**CERTIFICATE**

This is to certify that the project report entitled "**SURVEILLANCE ALIVE HUMAN DETECTION ROBOT**" being submitted by **CHAVINASH (14JN1A0429), A.HARISH KUMAR (14JN1A0410), E.SUMANJAN(14N1A0442), B.CHIRANJEEVI (14JN1A0413), LSUKESH (14JN1A0455)** in partial fulfillment 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  
V.PRAVEEN KUMAR,M.Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of the Head of Department  
V.SUDHEER,M.Tech.  
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

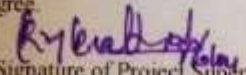
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ENGINEERING::NELLORE**

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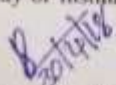


**CERTIFICATE**

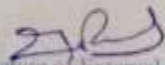
This is to certify that the project report entitled "**HEXAPOD ROBOT TO WALK ON UNCERTAIN GROUNDS**" being submitted by **BSAI DINESH (14JNIA0415)**, **K.VENGALA RAO (14JNIA0460)**, **A.KRISHNA VAMSI (14JNIA0411)**, **G.MANOJ SAI CHARAN (14JNIA0444)**, in partial fulfillment for the award of the Degree of the **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

Mr. J. RAJ PRAVEEN, M.Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E.  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of the Head of Department

Mr. V. SUDHEER, M.Tech.  
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**

(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuramu).  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**



**CERTIFICATE**

This is to certify that the project report entitled "SMART BLIND STICK"  
Being submitted by **G.SAHITHYA(14JN1A0452)** 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**  
J.RAJPRAVEEN, M.Tech  
Assistant Professor  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

**Signature of the Head of Department**  
V.SUDHEER, M.Tech  
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 "GLAUCOMA SCREENING USING OPTIC DISC AND OPTIC CUP SEGMENTATION" being submitted by K.SAI MANOGNA (14JNIA0459), CH.UJWALA (14JNIA0428), C.BHAGYA SREE (14JNIA0430), D.SUSMITHA (14JNIA0434), G.KIRANMAI (14JNIA0450), G.BHAVANI (14JNIA0451) in partial fulfillment 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 bona-fide 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.

*K. Suneela*  
30/04/18

**Signature of Project supervisor**  
Mrs. K.SUNEELA, M. Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

*V. Sudheer*  
21/5/18

**Signature of the Head of the Department**  
Mr. V.SUDHEER, M. Tech.  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

*[Signature]*

Signature of External Examiner



Department of Electronics and Communication Engineering

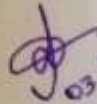
**SREE VENKATESWARA COLLEGE OF  
ENGINEERING::NELLORE**

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



**CERTIFICATE**

This is to certify that the project report entitled "SMART MONITORING SYSTEM USING IOT" being submitted by L.DAKSHATHA(14JN1A0456), D.SIVAPRIYA(14JN1A0432),A.SIVANI(14N1A0403),B.SINDHU(14JN1A0416), G.H.S.RAJESWARI(14JN1A0454), in partial fulfillment for the award of the Degree of the **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the Jawaharlal Nehru Technological University Anantapur, 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.

  
03/09/18

Signature of Project supervisor  
Mr. MD. IMADULLA KHAN, M.Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
3/5/16

Signature of the Head of Department  
Mr. V. SUDHEER, M.Tech.  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

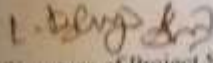
  
Signature of External Examiner

**SREE VENKATESWARA COLLEGE OF  
ENGINEERING, NELLORE**

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

**CERTIFICATE**

This is to certify that the project report entitled "DESIGN OF REVERSIBLE ADDERS USING A NOVEL REVERSIBLE BKG GATE" being submitted by **CHANDIVA PRIYA(14IN1A6631)**, **BSWATHRI(14IN1A0114)**, **E.U.MADEVRI(14IN1A0118)**, **D.PRAYALLIKA(14IN1A0417)** is partial fulfillment for the award of the Degree of the **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to the *Jawahar Lal 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.

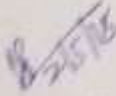
  
Signature of Project Supervisor

Mr.L.BHARGAV KUMAR,M.Tech.

ASSISTANT PROFESSOR

Department of E.C.E

Sree Venkateswara College of  
Engineering, Nellore.

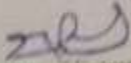
  
Signature of the Head of Department

Mr. V.SUDHEER,M.Tech.

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, Kadavalluru, 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 "MILITARY ROBOT FOR DETECTING LANDMINES USING DTMF TECHNOLOGY" that is being submitted by G.VISHNU PRIYA (14JN1A0449), A.LIKHITHA (14JN1A0412), A.PRATYUSHA (14JN1A0404), G.KEERTHI PRAJWALA (14JN1A0446), G.MAHITHA (14JN1A0448), E.GAYATHRI (14JN1A0440) in partial fulfilment 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  
Dept. of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

Signature of Head of the Department  
Mr. V. SUDHEER, M.Tech.  
HEAD OF THE DEPARTMENT  
Dept. 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**


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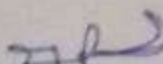


**CERTIFICATE**

This is to certify that the project report entitled "IOT BASED ENVIRONMENTAL POLLUTION MONITORING SYSTEM" being submitted by A.SUSMITHA (14JN1A0408),D.SAVYA (14JN1A0436),A.BHAVANI (14N1A0402), G.HARSHITHA (14JN1A0447), A.SRAVANTHI(14JN1A0405), J.BINDHU PRIYA (14JN1A0457) in partial fulfillment for the award of the Degree of the 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  
Mrs. P. BHARGHAVI, M.Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E  
SreeVenkateswara College of  
Engineering, Nellore

  
Signature of the Head of Department  
Mr. V. SUDHEER, M.Tech.  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
SreeVenkateswara 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 "IOT BASED WATER LEVEL MONITORING SYSTEM" being submitted by M. Sai Naga Harshitha (14JN1A0493), P.Sowmya(14JN1A04A8),P.Subasini(14JN1A04A4),P.Sravya(14JN1A0A5), M.Niveditha (14JN1A0482) 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.

*K. Suneela*  
03/05/18

Signature of Project supervisor

Mrs. K.SUNEELA, M. Tech.

ASSISTANT PROFESSOR

Department of E.C.E

Sree Venkateswara College of  
Engineering, Nellore.

*V. Sudheer*  
03/05/18

Signature of the Head of Department

Mr. V.SUDHEER, M. Tech.

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of  
Engineering, Nellore.

*[Signature]*

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 **'MOBILE SPY ROBOT USING WIRELESS CAM'** being submitted by **K.Dhana Lakshmi (14JN1A0469), P.Sushma (14JN1A04B8), P.Veena (14JN1A04B7), N.SukanyaReddy (14JN1A0499), N.Chandrakala (14JN1A0497)** 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  
Mr.P.RAVI KUMAR,M.Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

Signature of the Head of Department  
Mr. V.SUDHEER, M. Tech.  
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 & Affiliated to JNTU, Ananthapuramu)

**CERTIFICATE**

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF LEADING ONE DETECTOR USING REVERSIBLE LOGIC GATES" being submitted by MD. KarishmaSultana(14JN1A0487), P. Thanuja(14JN1A04B6), M. DedeepyaSai (14JN1A0492), L. Shirini(14JN1A0474), P. Mounica(14JN1A04A6) 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

Dr. S.V. PADMAJA RANI, M.Tech, PhD

PROFESSOR

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.



Signature of the Head of Department

V.SUDHEER, M.Tech

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 "SPEECH ENHANCEMENT BASED ON PRIORI SIGNAL TO NOISE ESTIMATION" being submitted by K.Haritha (14JN1A0462), P.Hema (14JN1A0485), K.Sravva (14JN1A0470), K.Pallavi (14JN1A0471), M.Supriyanka (14JN1A0476), M.SudhaMani (14JN1A0485) 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

V.SUDHEER

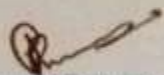
M.Tech.,

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.



Signature of External Examiner

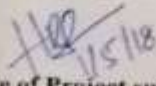
**SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE**  
**North Rajupalem, Kodavalur, Nellore.**

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

**CERTIFICATE**



This is to certify that the project report entitled "INFRARED SMALL TARGET DETECTION IN COMPRESSIVE DOMAIN" being submitted by M.Padmasree (14JN1A0480), K.Kamakshi (14JN1A0472), M.Sowmya (14JN1A0490), M.Saiprasanna (14JN1A0494), P.Gowhitha (14JN1A04c0) 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. K. Harsha Vardhan Reddy, M.Tech.

ASSISTANT PROFESSOR

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.

  
**Signature of the Head of Department**

Mr. V.SUDHEER, M.Tech.

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.

  
Signature of External Examiner



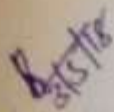
Department of Electronics and Communication Engineering

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

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

**CERTIFICATE**

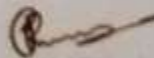
This is to certify that the project report entitled "SUPPRESSION OF ACOUSTIC NOISE IN SPEECH USING SPECTRAL SUBTRACTION" being submitted by **K.Sireesha(14JN1A0461), M.Jyothirmayee(14JN1A0477), P.PavithraPavani(14JN1A0484), K.DiyvaSanjeevini(14JN1A0466), N.V.Swetha(14JN1A0498)** in partial fulfillment 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  
V.SUDHEER  
M.Tech,  
PROJECT GUIDE  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.



Signature of the Head of Department  
V.SUDHEER  
M.Tech,  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.



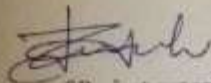
Signature of External Examiner

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

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

**CERTIFICATE**

This is to certify that the project report entitled "INTELLIGENT WATER MANAGEMENT SYSTEM" being submitted by **N.Praharshith Kumar (14JN1A0469), L.V.RaviTeja (14JN1A0475), M.Pranay Babu (14JN1A048), M.Abbishek (14JN1A0488), M.Hemauth Kumar (14JN1A0496)** in partial fulfillment 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  
Mr.P.RAJESH,M.Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering,Nellore.



Signature of the Head of Department  
Mr.V.SUDHEER,M.Tech.  
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 "**IOT BASED HOME AUTOMATION SYSTEM**" being submitted by M.Sai Bharadwaj (14JN1A0491), K.Poorna Sankar (14JN1A0473), K.Narendra (14JN1A0463), K.Sasidhar Reddy (14JN1A0467), M.Abhilash Reddy (14JN1A0483) 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.C.Vidya,M.Tech  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

Signature of the Head of Department  
Mr.V.Sudheer,M.Tech.  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

Signature of External Examiner

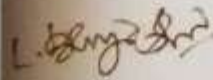


**SREE VENKATESWARA COLLEGE OF ENGINEERING::NELLORE**  
**North Rajupalem, Kodavalur, Nellore.**

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

**CERTIFICATE**


This is to certify that the project report entitled "BOARD CLEANING ROBOT" being submitted by **K.V.Sai Lizith Kumar (14JN1A0468)**, **N.Sai Charan (14JN1A04A2)**, **P.V.Gnanendra Kumar (14JN1A04A9)**, **K.Sundeep (14JN1A0464)**, **M.V.N.Sai Prasanth (14JN1A0479)** 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.BHARGAV KUMAR**  
M.Tech.  
ASST.PROFESSOR  
Department of E.C.E  
SreeVenkateswara College of  
Engineering, Nellore.



Signature of the Head of Department  
**V.SUDHEER**  
M.Tech  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
SreeVenkateswara College of  
Engineering, Nellore.



Signature of External Examiner

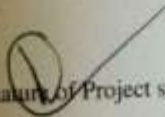
Department of Electronics and Communication Engineering


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

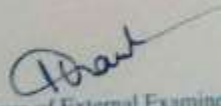
(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuram).

**CERTIFICATE**

This is to certify that the project report entitled "EDGE DETECTION USING HOUGH TRANSFORM" being submitted by **P.Lakshmi Prasanna (14JNIA04C1)**, **S.Sujitha (14JNIA04E6)**, **R.Priyanka kamal (14NIA04C5)**, **V.S.Sravya(14JNIA04G7)**, **S.Bhanuja (14JNIA04C7)** in partial fulfillment 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 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)  
Department of E.C.E  
Sree Venkateswara College of  
Engineering,Nellore.

  
Signature of the Head of Department  
V.SUDHEER,M.Tech  
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

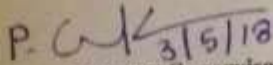
North Rajupalem, Kodavalur, Nellore.

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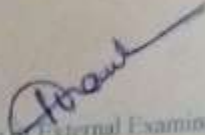


CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF AUTONOMOUS VEHICLE USING ULTRASONIC SENSOR" Being submitted by SK.Haseena (14JN1A04D6), SK.Nowreen (14JN1A04D9), S.Lakshmi Deepika (14JN1A04E8), SK.Ashiya (14JN1A04D3), V.Haneesha (14JN1A04G4) in partial fulfilment 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  
P. GOPALA KRISHNA, M. Tech  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of the Head of Department  
V. SUDHEER, M. Tech  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of External Examiner



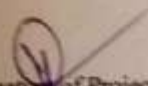
Department of Electronics and Communication Engineering

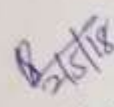
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ENGINEERING::NELLORE**

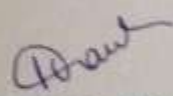
(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuramu)

**CERTIFICATE**

This is to certify that the project report entitled "METHOD FOR CLUTTER SUPPRESSION IN SAPCE TIME ADAPTIVE PROCESSING" being submitted by **P.Manoja (14JN1A04C3), Sk.Yasmeen(14JN1A04E4), S.Jahnavi Priya(14JN1A04E9), V.Mounika (14JN1A04G9), P.Revathi (14JN1A04C2), T.Harika (14JN1A04F6)** 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  
**V.SUDHEER, M.Tech**  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of External Examiner

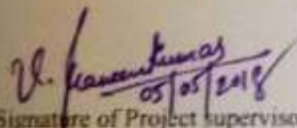
Department of Electronics and Communication Engineering

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

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

**CERTIFICATE**

This is to certify that the project report entitled "INGENIOUS PORTER ROBOT" being submitted by SK.Rahima bhana (14JN1A04E9), K.Thabassum (15JN5A0401),B.Sujitha (15JN5A0402),SK.Asha (14JN1A04D2), K.K.Sree Lakshmi (14JN1A04H6), T.C.Lakshmi (14JN1A04F7) in partial fulfillment 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 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.

ASSISTANT PROFESSOR

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.



Signature of the Head of Department

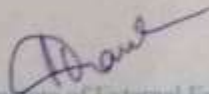
V.SUDHEER, M.Tech.

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, Ananthapuram).

**CERTIFICATE**

This is to certify that the project report entitled "EARLY PEST DETECTION FROM CROP USING IMAGE PROCESSING" being submitted by U.Priyanka (14JN1A04G2) , S.Vijitha (14JN1A04E5) , T.Aswini (14N1A04G1), T.Saipriya (14JN1A04F8), T.Sai Sravani (14JN1A04G0) , M.Sravana Swathi (15JN5A0403) 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.

*ch. Vishali*

Signature of Project supervisor

CH.VISHALI , M.Tech.

ASSISTANT PROFESSOR

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.

*V. Sudheer*

Signature of the Head of Department

V.SUDHEER , M.Tech.

HEAD OF THE DEPARTMENT

Department of E.C.E

Sree Venkateswara College of

Engineering, Nellore.

*Praveen*

Signature of External Examiner



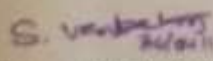
Department of Electronics and Communication Engineering

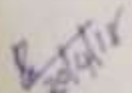
**SREE VENKATESWARA COLLEGE OF  
ENGINEERING::NELLORE**

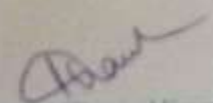
(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuramu).

**CERTIFICATE**

This is to certify that the project report entitled "IMPLEMENTATION OF PSEUDO RANDOM PATTERN GENERATOR FOR BIST" being submitted by T.RAJITHA (14JN1A04F4), S.PRATHYUSHA (14JN1A04D9), SK.FARHA (14JN1A04D5), SK.SUHANA (14JN1A04E2), S.V.SINDHURA (14JN1A04E7), T.VISHNUPRIYA (14JN1A04F5), 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  
S VENKATESH, M.Tech,  
Assistant professor  
Department of E.C.E  
Sree Venkateswara College of  
Engineering,Nellore.

  
Signature of the Head of Department  
V SUDHEER, M.Tech,  
Assistant professor  
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 VOICE CONTROLLED ROBOT USING ANDROID DEVICE" Being submitted by **S.ROHITH KUMAR (14JN1A04F1), G.VENKATA RAMANA (14JN1A04H2), RVL.PRASAD (14JN1A04C4), R.DHANUNJAYA VARMA (14JN1A04C6), S.SAI SAGAR KUMAR (14JN1A04C9), SK.TAYUB (14JN1A04F2)**. 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.

*P. GK 31/5/18*

Signature of Project Supervisor  
**P. GOPALA KRISHNA, M.Tech.**  
**ASSISTANT PROFESSOR**  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

*V. Sudheer*

Signature of the Head of Department  
**V. SUDHEER, M.Tech.**  
**HEAD OF THE DEPARTMENT**  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

*[Handwritten Signature]*

Signature of External Examiner

Department of Electronics and Communication Engineering

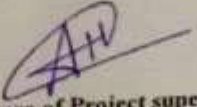
**SREE VENKATESWARA COLLEGE OF  
ENGINEERING::NELLORE**

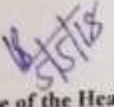
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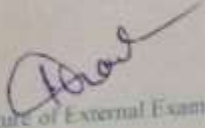


**CERTIFICATE**

This is to certify that the project report entitled "**VEHICLE TRACKING AND ALERTING SYSTEM**" being submitted by **Y.REVANTH REDDY (14JN1A04H0), V.V.SAI SRINIVASAN(14JN1A04G6), T.JASWANTH (14JN1A04F3), V.BHANU PRATAP (14JN1A04G3), V.VIJAY SAI (14JN1A04G8), Y.SHARUKH BABU (14JN1A04H4)** 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**  
Mr. A. HEMANTH KUMAR, M.Tech.  
ASSISTANT PROFESSOR  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
**Signature of the Head of Department**  
Mr. V. SUDHEER, M.Tech.  
HEAD OF THE DEPARTMENT  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of External Examiner



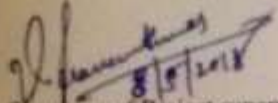
Department of Electronics and Communication Engineering

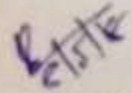
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ENGINEERING::NELLORE**

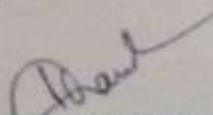
(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuram).

**CERTIFICATE**

This is to certify that the project report entitled "**FIRE FIGHTING ROBOT**" being submitted by **S.Dhamunjay reddy (14JN1A04F0)**, **S.Harish kumar (14JN1A04D1)**, **P.Praneeth (15JN5A0404)**, **M.Kondalu (14JN1A04E3)**, **A.Sal kumar (14JN1A04H5)**, **S.Ramcharan (14JN1A04C8)** in partial fulfilment 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  
V.PRAVEEN KUMAR, M.Tech  
Assistant professor  
Department of E.C.E.  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of the Head of Department  
V.SUDHEER, M.Tech.  
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

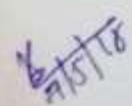
**SREE VENKATESWARA COLLEGE OF  
ENGINEERING::NELLORE**

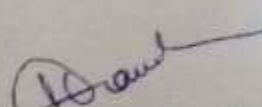
(Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuramu).

**CERTIFICATE**

This is to certify that the project report entitled "VENDING MACHINE USING VHDL" being submitted by T. Bhuvan Kumar (14JN1A04F9), Sk. Umar Farooq (14JN1A04E3), B. Manoj Kumar (14JN1A04H1), Sk. Mudassir Ahmed (14JN1A04D8), Sk. Razvee (14JN1A04E1), in partial fulfilment 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  
Dr. S. V. PADMAJA RANI, Ph.D.  
Department of E.C.E  
Sree Venkateswara College of  
Engineering, Nellore.

  
Signature of the Head of Department  
V. SUDHEER, M.Tech.  
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.		<b>Elective – I (Open Elective)</b>	3	1 -	3
6.	13A05705	<b>Elective –II</b> 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
<b>Total Credits</b>					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
3.		<b>Elective-III</b>	3	1 -	3
	13A05802	Software Project Management			
	13A05803	Software Architecture & Design Patterns			
	13A05804	Storage Area Networks			
	13A05805	Artificial Intelligence			
4.		<b>Elective-IV</b>	3	1 -	3
	13A05806	Parallel and Randomized Algorithms			
	13A05807	Embedded Systems			
	13A05808	Game Theory			
	13A05809	Adhoc and Sensor Networks			
5.	13A05810	Seminar & Comprehensive Viva-Voce	-	- -	3
6.	13A05811	Project	-	- -	10
<b>Total Credits</b>					25

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





## CERTIFICATE

This is to certify that

<b>CH.SIRICHANDANA</b>	<b>14JN1A0515</b>
<b>B.LIKITHA</b>	<b>14JN1A0511</b>
<b>G.SRIJA</b>	<b>14JN1A0531</b>
<b>K.VYSHNAVI</b>	<b>14JN1A0544</b>

Pursuing IV B.Tech Computer Science & Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on **"SMART WATER DISPENSER MANAGEMENT SYSTEM OVER IOT"** at LETSLEARN.GURU, Nellore, from 15-02-2018 to 13-03-2018.

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

Dt. 13-03-2018  
Nellore.

S.K.K.  
DIRECTOR



 2<sup>nd</sup> Floor, PMR Trade Complex, Opp. Kandukuri Shopping Mall, Near RTC, Nellore-3  
 +91-9492277998, 9966485234  [www.letslearn.guru](http://www.letslearn.guru)





## CERTIFICATE

This is to certify that

L.GOUTHAM SAI	14JN1A0555
M.ANAND	14JN1A0557
K.SURENDRA KUMAR	14JN1A0552
G.SRINISH	14JN1A0526
K.B.A KARTHIK REDDY	14JN1A0535

Pursuing IV B.Tech Computer Science & Engineering from Sree Venkateswara College of Engineering, Kodavalur has carried out Project work on "ENABLING DIGITAL FORENSIC ON CLOUD ENVIRONMENT" at LETSLEARN.GURU, Nellore, from 15-02-2018 to 13-03-2018.

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

Dt. 13-03-2018  
Nellore.



**SREE VENKATESWARA COLLEGE OF ENGINEERING**  
(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
NorthRajupalem,Kodavalur,Nellore-524316, A.P., INDIA




**CERTIFICATE**

This is to certify that, the Project entitled  
**"PRIVACY-PRESERVING MULTI-KEYWORD TOP-K SIMILARITY  
LOOK OVER SCRAMBLED INFORMATION"**  
is the bonafide work done by


K.Hanitha	14JN1A0539
A.Snehanjali	14JN1A0509
G.Mahitha	14JN1A0527
CH.Sai Geetha	14JN1A0516
E.Madhavi	14JN1A0522


in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

  
Supervisor:

**T.K.Balaji, M.Tech**  
Senior Assistant Professor  
Dept. of Computer Science and  
Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur, Nellore –  
524316

Head of the Department:

  
**M.Bhargavi, M.Tech, (Ph.D)**  
Associate Professor and HOD,  
Dept. of Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem, Kodavalur, Nellore-524316

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER



**SREE VENKATESWARA COLLEGE OF ENGINEERING**

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North Rajupalem, Kodavalur, Nellore-524316, A.P., INDIA



*Certificate*

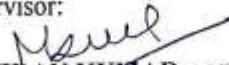
This is to certify that, the Project entitled  
**"HOME AUTOMATION USNG IOT"**

is the bonafide work done by

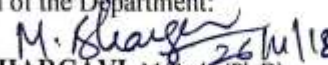
K. SUREKHA (14JN1A0540)  
K. RITHU HEBBAR (14JN1A0543)  
K. MALLIKA SOBHA DEVI (14JN1A0548)  
K. SAI AKSHAYA PRIYA (14JN1A0553)

in the Department of **Computer Science and Engineering, Sree Venkateswara College of Engineering**, North Rajupalem, Kodavalur, Nellore and is submitted to **Jawaharlal Nehru Technological University Anantapur** for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

  
**M. KIRAN KUMAR**, M.Tech,  
Assistant Professor,  
Computer Science and Engineering  
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North Rajupalem, Kodavalur, Nellore – 524316

Head of the Department:

  
**M. BHARGAVI**, M.Tech, (Ph.D)  
Associate Professor and HOD,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur, Nellore-524316

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

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NorthRajupalem,Kodavalur,Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled  
**"DETECTING PROVENANCE FORGERY AND PACKET DROP ATTACKS  
IN WIRELESS SENSOR NETWORKS USING LSS"**

is the bonafide work done by

A.Lakshmi Tanuja	14JN1A0504
A.Chandana	14JN1A0501
M.Bhavana	14JN1A0556
G.Kavya	14JN1A0529

in the Department of **Computer Science and Engineering**, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to **Jawaharlal Nehru Technological University Anantapur** for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

*M. Bhargavi* 26/4/18  
**M.Bhargavi, M.Tech, (Ph.D)**  
Associate Professor and HOD,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur, Nellore – 524316

Head of the Department :

*M. Bhargavi* 26/4/18  
**M.Bhargavi, M.Tech, (Ph.D)**  
Associate Professor and HOD,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem, Kodavalur, Nellore-524316

*M. Bhargavi* 06/05/18  
**INTERNAL EXAMINER**

*B. Gopal* 06/05/18  
**EXTERNAL EXAMINER**

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NorthRajupalem,Kodavalur,Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled  
“ SECURING AND CONTENT BASED RETRIEVAL OF  
IMAGES IN CLOUD REPOSITORIES”

is the bonafide work done by

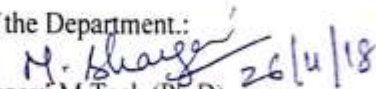
K.Jahnavi	14JN1A0541
D.Bindu Bhargavi	14JN1A0520
G.Lahari	14JN1A0528
A.Lakshmi Teja	14JN1A0502

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

  
Supervisor:

**R.Vinod Kumar,M.E**  
Assiatant Professor,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur,Nellore – 524316

Head of the Department.:

  
**M.Bhargavi,M.Tech,(Ph.D)** 26/4/18  
Associate Professor and HOD,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
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INTERNAL EXAMINER

  
EXTERNAL EXAMINER



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NorthRajupalem,Kodavalur,Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled  
**"A CROSS TENANT ACCESS CONTROL(CTAC) MODEL FOR CLOUD  
COMPUTING: FORMAL SPECIFICATION AND VERIFICATION"**

is the bonafide work done by

K,SreeLahariChowdary	14JN1A0549
K.SaiAnuhyaSathvika	14JN1A0551
K.AbhignaChowdary	14JN1A0546
G.Swetha	14JN1A0532

in the Department of **Computer Science and Engineering**, Sree Venkateswara College of Engineering , **North Rajupalem, Kodavalur, Nellore** and is submitted to **Jawaharlal Nehru Technological University Anantapur** for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

*G. Sudha*  
**Mrs G.Sudha, M.Tech**  
Assistant Professor,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur, Nellore – 524316

Head of the Department:

*M. Bhargavi* 50/11/18  
**M.Bhargavi, M.Tech, (Ph.D)**  
Associate Professor and HOD,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem, Kodavalur, Nellore-524316

*M. Bhargavi*  
06/05/18  
**INTERNAL EXAMINER**

*B. Gopikrishna* 6/5/18  
**EXTERNAL EXAMINER**

# SREE VENKATESWARA COLLEGE OF ENGINEERING

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North Rajupalem, Kodavalur, Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled  
**“IOT BASED AGRICULTURE SYSTEM USING GOOGLE ASSISTANT”**

is the bonafide work done by

V.JYOSNA	14JN1A0534
K.SAHITHI	14JN1A0542
G.KAVYA	14JN1A0559
K.SNEHA	14JN1A0547

in the Department of **Computer Science and Engineering**, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to **Jawaharlal Nehru Technological University Anantapur** for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

*K. Mahendra*  
**K.MAHENDRA, M.Tech**

Assistant professor

Dept. of Computer Science and Engineering

Sree Venkateswara College of Engineering

North Rajupalem, Kodavalur, Nellore – 524316

Head of the Dept.:

*M. Bhargavi*  
**M.BHARGAVI, M.Tech,(Ph.D)**

Associate Professor and Hod

Dept. of Computer Science and Engineering

Sree Venkateswara College of Engineering

North Rajupalem, Kodavalur, Nellore-524316

*M. Bhargavi*  
**M. Bhargavi**  
30/4/18

*P. S. ...*

# SREE VENKATESWARA COLLEGE OF ENGINEERING

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NorthRajupalem, Kodavalur, Nellore-524316, A.P., INDIA



## Certificate

This is to certify that the Project entitled  
**"STRESS ANALYSIS OF SOCIAL INTERACTIONS IN SOCIAL NETWORKS"**  
is the bonafide work done by

G.N.S. PRAVALLIKA	14JN1A0524
K. DAKSHAYANI	14JN1A0537
A.SRI DIVYA	14JN1A0505
A. NIRUSHA	14JN1A0506

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering, North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor: *Gvc Venkatesh*

**G.VENKATESH**, M.Tech,  
Assistant professor,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur, Nellore – 524316

Head of the Department:

*M. Bhargavi* 26/01/18  
**M.Bhargavi**, M.Tech.,(Ph.D)  
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Sree Venkateswara College of Engineering  
NorthRajupalem, Kodavalur, Nellore-524316

*M. Bhargavi*  
06/05/18  
**INTERNAL EXAMINER**

*B. Godd Me* 6/5/18  
**EXTERNAL EXAMINER**



# SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
NorthRajupalem,Kodavalur,Nellore-524316, A.P., INDIA



## CERTIFICATE

This is to certify that, the Project entitled  
"PROVIDING SECURITY TO CLOUD DATA UNDER KEY SUBJECTION"  
is the bonafide work done by

G.S.S.Mounika	14JN1A0525
A.Bindu Priya	14JN1A0503
G.Bhargavi	14JN1A0530
D.Anusha	14JN1A0521

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor: *I. Shalini*

**I.Shalini**,M.Tech,  
Assistant professor,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur,Nellore – 524316

Head of the Department: *M. Bhargavi* 26/4/18

**M.Bhargavi**,M.Tech,(Ph.D)  
Associate Professor and HOD,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem,Kodavalur,Nellore-524316

*M. Bhargavi*  
06/05/18  
INTERNAL EXAMINER

*B. Gopala* 6/5/18  
EXTERNAL EXAMINER

# SREE VENKATESWARA COLLEGE OF ENGINEERING

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NorthRajupalem,Kodavalur,Nellore-524316, A.P., INDIA



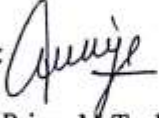
## Certificate

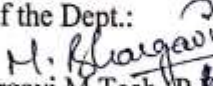
This is to certify that, the Project entitled  
“A Credibility Analysis System For Assessing Information On Twitter”

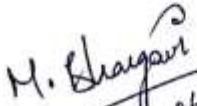
is the bonafide work done by

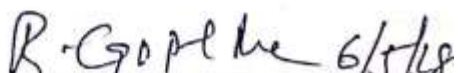
J.Sri Sravya	14JN1A0533
B.Sri Bhargavi	14JN1A0514
K.Kavya	14JN1A0538
K.V.Ramya	14JN1A0536

in the Department of **Computer Science and Engineering**, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to **Jawaharlal Nehru Technological University Anantapur** for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2016-2017.

Supervisor:   
V.Kusuma Priya, M.Tech  
Assistant Professor  
Dept. of Computer Science and Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur,Nellore – 524316

Head of the Dept.:   
M.Bhargavi, M.Tech, (P.A.D)  
Associate Professor and Head of dept  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem,Kodavalur,Nellore-524316

  
06/05/18

  
6/5/18

# SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
North Rajupalem, Kodavalur, Nellore - 524316, A.P., INDIA



## Certificate

This is to certify that the Project entitled  
" A SYSTEM FOR DEPICTING AND RECONSTRUCTING DATABASE  
ACCESS PATTERNS FOR ANOMALY DETECTION"  
is the bonafide work done by

D.VARUN	14JN1A0519
K. KRISHNA CHAITHANYA	14JN1A0545
G.MAHESH	14JN1A0523
B.BHARATH TEJA	14JN1A0512
M.VINEETH	14JN1A0558

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

*P. Prasanth*  
**P. Prasanth, M.Tech,**  
Assistant professor,  
Computer Science and Engineering  
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Head of the Department:

*M. Bhargavi*  
**M. Bhargavi, M.Tech, (Ph.D)**  
Associate Professor and HOD,  
Computer Science and Engineering  
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*M. Bhargavi*  
INTERNAL EXAMINER

*B. Gopale*  
EXTERNAL EXAMINER



## SREE VENKATESWARA COLLEGE OF ENGINEERING

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NorthRajupalem,Kodavalur,Nellore-524316, A.P., INDIA



### Certificate

This is to certify that, the Project entitled

“ SECURE DATA SHARING & SEARCHING AT THE EDGE OF CLOUD ASSISTED-IOT ”

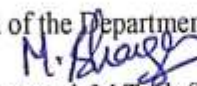
is the bonafide work done by

R.PRIYANKA	14JN1A0588
T.GAYATHRI	14JN1A05A5
N.TEJASWI	14JN1A0561
P.V.LAKSHMI	14JN1A0585

in the Department of Computer Science and Engineering, SreeVenkateswaraCollege of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

  
Supervisor:

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Head of the Department:  
 27/4/18  
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Associate Professor and HOD  
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North Rajupalem, Kodavalur, Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled

**"A NOVEL MULTI-LEVEL PRIVACY PRESERVING PUBLIC  
AUDITING SCHEME FOR CLOUD DATA SHARING WITH  
MULTIPLE MANAGERS"**

is the bonafide work done by

**P. NAGA JYOTHI  
T. KAVITHA  
V. BHAVANA  
S. SRAVYA**

**(14JN1A0576)  
(14JN1A05B7)  
(14JN1A05A6)  
(14JN1A05A2)**

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering, North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

*M. Sai Pooja*

**M. SAI POOJA**, M.Tech,  
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Head of the Department:

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Associate Professor and HOD,  
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27/4/18

# SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
NorthRajupalem,Kodavalur, Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled


### **“APP MISCATEGORIZATION DETECTION”**

is the bonafide work done by

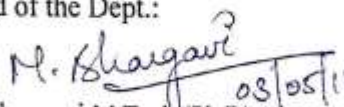
P. SUSMIJA PRIYA	14JN1A0584
N.PRATHYUSHA	14JN1A0564
SK.ASMIN	14JN1A0594
P.VASUNDHARA	14JN1A0577

in the Department of **Computer Science and Engineering**, SreeVenkateswaraCollege of Engineering ,North Rajupalem, Kodavalur, Nellore and is submitted to **Jawaharlal Nehru Technological University Anantapur** for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

  
K.Venkata Ramana, M.Tech,(Ph.D)  
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Head of the Dept.:

  
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INTERNAL EXAMINER

  
EXTERNAL EXAMINER



**SREE VENKATESWARA COLLEGE OF ENGINEERING**  
(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
NorthRajupalem, Kodavalur, Nellore-524316, A.P., INDIA



**Certificate**

This is to certify that, the Project entitled  
**“E-ORGANO”**

is the bonafide work done by

N. KUSUMA  
P. RESHMA  
SK. CHANDINI  
N. MANASA

14JN1A0566  
14JN1A0574  
14JN1A0595  
14JN1A0565

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering, North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor: *I. Shalini*

**I. Shalini, M.Tech**  
Assistant Professor  
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Head of the Dept:

*M. Bhargavi*  
**M. Bhargavi, M.Tech (Ph.D)**  
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NorthRajupalem, Kodavalur, Nellore-524316, A.P., INDIA



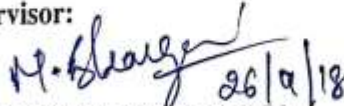
This is to certify that, the Project entitled  
"A HIERARICHICAL DETECTION AND RESPONSE SYSTEM TO  
ENHANCE SECURITY AGAINST LETHAL CYBER-ATTACKS IN UAV  
NETWORKS "

is the bonafide work done by

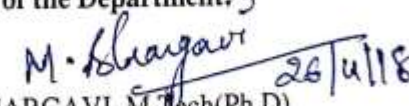
Y.PAVITHRA	14JN1A05B1
P.SONIYA	14JN1A0580
P.SUSRITHA	14JN1A0568
K.NIKITHA	15JN5A0501

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

  
M.BHARGAVI, M.Tech(Ph.D)  
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Head of the Department:

  
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NorthRajupalem, Kodavalur, Nellore-524316, A.P., INDIA



## Certificate

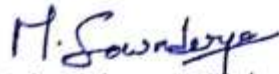
This is to certify that, the Project entitled  
“WASTE MANAGEMENT SYSTEM USING IOT”

is the bonafide work done by

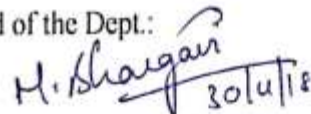
N.HARITHA	(14JN1A0562)
P.POOJA SPANDANA	(14JN1A0581)
V.V.SOWMYA	(14JN1A05A7)
SK.SAJIDA	(14JN5A0597)

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering, North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

  
M. Sowndarya, M.Tech  
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NorthRajupalem, Kodavalur, Nellore-524316, A.P., INDIA



Certificate

**"A Lightweight Secure Data Sharing Scheme for Mobile  
Cloud Computing"**

is the bonafide work done by

N.Sujana Devi 14JN1A0567  
P.Sai Sravanthi 14JN1A0582  
V.Sruthi Keerthi 14JN1A05A8  
Y.Naga Tejaswi 14JN1A05B3

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering, North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

*M. K.*  
Supervisor: 27/11/18

T.K.Balaji, M.Tech  
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Head of the Dept.:

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Associate Professor and Head of the  
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Sree Venkateswara College of Engineering  
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*M. K.*  
INTERNAL EXAMINER

*M. K.*  
EXTERNAL EXAMINER

# SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
NorthRajupalem, Kodavalur, Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled  
**“Search Rank Fraud and Malware Detection in Google Play”**

is the bonafide work done by

P. KEERTHI	14JN1A0586
T. KALPANA	14JN1A05A4
P. KARTHISHA	14JN1A0571
SK. AFRIN	14JN1A0591

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor:

**M. Kiran Kumar**, M.Tech  
Assistant Professor  
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North Rajupalem, Kodavalur, Nellore – 524316

Head of the Dept:

**M. Bhargavi**, M.Tech,(Ph.D)  
Associate Professor and HOD  
Dept. of Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem, Kodavalur, Nellore-524316

INTERNAL EXAMINER

EXTERNAL EXAMINER

**SREE VENKATESWARA COLLEGE OF ENGINEERING**

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North Rajupalem, Kodavalur, Nellore-524316, A.P., INDIA

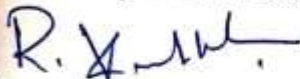


This is to certify that, the Project entitled  
**“A ROBUST REPUTATION MANAGEMENT MECHANISM  
IN THE FEDERATED CLOUD ”**

is the bonafide work done by

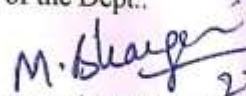
P. HEMA DEEPIKA	14JN1A0570
R. SRIYA LASYA	14JN1A0589
P. ANVITHA	14JN1A0579
M. MOUNIKA	14JN1A0560

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

  
Supervisor:

**R. Vinod Kumar, M.E**  
Assistant Professor  
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Head of the Dept.:

  
**M. Bhargavi, M.Tech.(Ph.D)**  
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North Rajupalem, Kodavalur, Nellore-524316



# SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
North Rajupalem, Kodavalur Nellore - 524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled

### **“Identity Based Remote Data Integrity Checking With Perfect Data Privacy Preserving For Cloud Storage”**

is the bonafide work done by

P.DIVYA	14JN1A0573
SK.FAREEDA	14JN1A0596
R.POOJA	14JN1A0590
N.HINDU MAHESWARI	14JN1A0563

In the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2016-2017.

Supervisor:

  
G.Sudarsanam, M.Tech

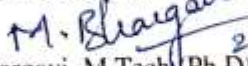
Assistant Professor

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North Rajupalem, Kodavalur, Nellore - 524316

Head of the Dept.:

  
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EXTERNAL EXAMINER

# SREE VENKATESWARA COLLEGE OF ENGINEERING

(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
NorthRajupalem,Kodavalur,Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled  
"A CROWDSOURCING WORKER QUALITY EVALUATION ALGORITHM  
ON MAPREDUCE FOR BIG DATA APPLICATIONS "

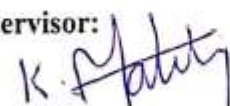
is the bonafide work done by

P.S.LGAYATHRI  
V.SAI SWETHA  
S.SAHAJA

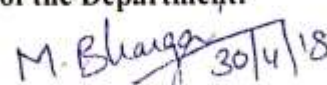
14JN1A0575  
14JN1A05A9  
14JN1A05A1

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

**Supervisor:**

  
K.MAHENDRA, M.Tech  
Assistant professor  
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North Rajupalem,Kodavalur,Nellore – 524316

**Head of the Department:**

  
M.BHARGAVI, M.Tech(Ph.D)  
Associate Professor and Head  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem,Kodavalur,Nellore-524316

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

**SREE VENKATESWARA COLLEGE OF ENGINEERING**

(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
North Rajupalem, Kodavalur, Nellore-524316, A.P., INDIA



**CERTIFICATE**

This is to certify that, the Project entitled  
**"AN INTELLIGENT RECOMMENDER SYSTEM FOR CONSOLIDATING  
SOCIAL AND MOBILE TECHNOLOGIES"**  
is the bonafide work done by

P.V.SANATH KUMAR	14JN1A0569
P.SUNDEEP KUMAR	14JN1A0583
T.KALYAN KUMAR REDDY	14JN1A05A3
V.VAMSI KRISHNA	14JN1A05B0

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering, North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

Supervisor: *G Venkatesh*

**G.VENKATESH**, M.Tech,  
Assistant professor,  
Computer Science and Engineering  
Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur, Nellore – 524316

Head of the Department:

*M. Bhargavi* 20/10/18  
**M.BHARGAVI**, M.Tech, (Ph.D)  
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Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur, Nellore-524316

*M. S. S. S.*  
INTERNAL EXAMINER

*B. S. S. S.*  
EXTERNAL EXAMINER



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NorthRajupalem, Kodavalur, Nellore-524316, A.P., INDIA



## Certificate

This is to certify that, the Project entitled  
“DIFFERENTIALLY PRIVATE FREQUENT ITEMSET MINING VIA  
TRANSACTION SPLITTING”

is the bonafide work done by

P.V.Sudeep Reddy	14JN1A0578
SK.Asif	14JN1A0593
SK.Nayab Basha	14JN1A0599
SK.Thanveer Ahamed	14JN1A0598

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering, North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018.

*I. Shalini*  
Supervisor:

I.Shalini, M.Tech  
Assistant Professor  
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Sree Venkateswara College of Engineering  
North Rajupalem, Kodavalur, Nellore – 524316

Head of the Dept.:

*M. Bhargavi* 30/4/18  
M.BHARGAVI, M.Tech(Ph.d)  
Associate Professor and HOD  
Dept. of Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem, Kodavalur, Nellore-524316

*M. Sudeep*  
INTERNAL EXAMINER

*B. Asif*  
EXTERNAL EXAMINER

**SREE VENKATESWARA COLLEGE OF ENGINEERING**

(Affiliated to JNTUA, Anantapur, Approved by AICTE)  
NorthRajupalem, Kodavalur, Nellore-524316, A.P., INDIA



**Certificate**

This is to certify that, the Project entitled  
**Network Capability in Localizing Node Failures via End-to-End Path  
Measurements**

is the bonafide work done by

S.subhash	14JN1A05A0
Y.chakri nithesh	14JN1A05B2
B.sai vinay reddy	14JN1A05B4
V.naveen	13JN1A05A5

in the Department of Computer Science and Engineering, Sree Venkateswara College of Engineering , North Rajupalem, Kodavalur, Nellore and is submitted to Jawaharlal Nehru Technological University Anantapur for partial fulfillment of the requirements of the award of B.Tech degree in Computer Science and Engineering during the academic year 2017-2018

Supervisor:

**V.Kusuma priya, M.tech**

Assistant Professor

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North Rajupalem, Kodavalur, Nellore – 524316

Head of the Dept.:

**M.Bhargavi, M.Tech, (Ph.D)**

Associate Professor and Head

Dept. of Computer Science and Engineering  
Sree Venkateswara College of Engineering  
NorthRajupalem, Kodavalur, Nellore-524316

INTERNAL EXAMINER

EXTERNAL EXAMINER