

2019 – 20



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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NH-5, Anakapalle – 531002, Visakhapatnam, A.P.

Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

Best Practices - Teaching & Learning

Dadi Institute of Engineering and Technology with the effective functioning of all the faculty members have always tried to impart innovative teaching methodologies to ensure that students are always given an opportunity to learn the technical, cognitive and employability skills at every stage of their Engineering course through Innovative Classroom Teaching [ICT] techniques.

Here, students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year apart from the commonly implemented methods like Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in classroom previously, conducting seminars, Newspaper readings, repeating difficult topics by topper students, field visits, Industrial visits, pictorial demonstration and many more activities.

It was a clear observation that more the number of sessions conducted with the above-mentioned concepts, better were the results obtained every semester.

Some of the glimpses of these strategies employed by the institute are shared in this document:

Participatory & Experiential learning in Teaching and Evaluation method

In this academic year, the department of EEE implemented the spark club activities apart from regular teaching evaluation process. The Student involvement is more predominant in this year which helps them to motivate towards research oriented study.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

Soft Skills – Classroom activity – 12/11/2019 93

Date of Event	: 12-11-2019
Venue	: LH 33 & LH 34
Time	: 1:30 pm to 4:00 pm
Beneficiaries	: III EEE
No of Participants	: 93
Organized by	: EEE Department SPARKS CLUB

Brief Summary:

We are Glad to inform that the Department of EEE, DIET initiated Activity Oriented Training on a weekly basis to help students overcome limitations in exhibiting their soft skills and practice effective communication to get rid of stage fear through a series of activities out of which Extempore has been conducted on 12/11/2019.

Recorded videos of each participant were played on 14/11/2019 where a detailed analysis of the strengths and weaknesses of every participant were communicated to all the students to that it will help them perform better in the next appearance.





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

TECHNICAL TREASURE HUNT

Date of Event	: 04-04-2020
Venue	: Open Ground
Time	: 1:30 pm to 4:00 pm
Beneficiaries	: II & IV EEE
No of Participants	: 123
Organized by	: EEE Department SPARKS CLUB

Brief Summary:

This event involves the creative challenge initiated by students of 4th year who gave phase wise hints to the 2nd year students to try and chase the treasure and the team which traced the exact location emerged victorious. Students have actively participated in this brainstorming activity with utmost enthusiasm and this rubbed off to the remaining branch students to organize such activities across the campus. This event was organized under the supervision of Mr. Deleep kumar jani, Associate Professor EEE





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

SPARKS CLUB STALL ACTIVITIES

Date of Event	: 03-01-2020
Venue	: Girls' Sports Ground
Time	: 1:30 pm to 4:00 pm
Beneficiaries	: II & IV EEE
No of Participants	: 185
Organized by	: EEE Department SPARKS CLUB

Brief Summary:

In collaboration with professional bodies like IEEE & ISTE, EEE Department Sparks club conducted several stall activities along with inaugurating a professional student hub for girl students as a part of EDC - 'Women in Engineering Cell'. Several spot events along with technical competitions were actively conducted at the college sports ground where around 200 members made use of the opportunity





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

Leadership Skills – Activity – 11-03-2020

Date of Event	: 11-03-2020
Venue	: Seminar Hall – 2
Time	: 1:30 pm to 4:00 pm
Beneficiaries	: III EEE
No of Participants	: 93
Organized by	: EEE Department SPARKS CLUB

Brief Summary:

In this event, the student has to prepare a passage about the current trending issues and has to narrate it in front of other students with a unique idea about the solution to address the burning problems. 04 students has volunteered and narrated the passage effectively while 15 other students have utilized the opportunity to counter the ideas shared by these self motivated participants.





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

ELECTRICAL, ANALYTICAL & PRESENTATION SKILLS

Date of Event	: 10-12-2019
Venue	: Electrical Measurements Lab
Time	: 1:30 pm to 4:00 pm
Beneficiaries	: IV EEE
No of Participants	: 89
Organized by	: EEE Department SPARKS CLUB

Brief Summary:

This event is exclusively conducted for IV EEE students to enhance their technical, analytical and presentation skills where a circuit task is assigned to each team to perform individually and also as a group. Circuit once solved needs to be analyzed and sent to the remaining team members for presenting in front of other students of their respective classes





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

Brain Storming Session –EEE Inductees

Date of Event	: 27-08-2019
Venue	: Seminar Hall – 2
Time	: 1:30 pm to 4:00 pm
Beneficiaries	: III EEE
No of Participants	: 93
Organized by	: EEE Department SPARKS CLUB

Brief Summary:



As a part of this event, all the newly joined B.Tech. Lateral Entry Students are introduced to each other at Seminar Hall 2 where Prof. M. Sridhar, HOD EEE motivated the students to participate in the activities that are going to be conducted under Sparks Club to enhance their professional skills. Mr. Deleep Kumar Jami has initiated with 4 student volunteers and narrated the passage. The event was conducted smoothly with all active participants and made it a successful one. This brainstorming session helped the Inductees as an icebreaking activity to share fresh ideas among the students.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

ELECTRICAL VISION

29-12-2019

Date of Event	: 29-12-2019
Venue	: LH – 33, 4th Floor
Time	: 1:30 pm to 4:00 pm
Beneficiaries	: IV EEE
No of Participants	: 45
Organized by	: EEE Department SPARKS CLUB



Brief Summary:

In this event, students' ideas were taken into consideration for formulation of electrical vision with various aspects of Electrical Fundamentals shared in the presence of their mentors and class teachers. Many students have given their ideas regarding electrical vision. As the students of final years also invited a few 3rd years for the activity, because of their seniority in the institute, it added value to existing students also.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

Electrical Maze 28-12-2019

Date of Event	: 28-12-2019
Venue	: Electrical Circuits Lab
Time	: 1:30 pm to 4:00 pm
Beneficiaries	: IV EEE
No of Participants	: 29
Organized by	: EEE Department SPARKS CLUB

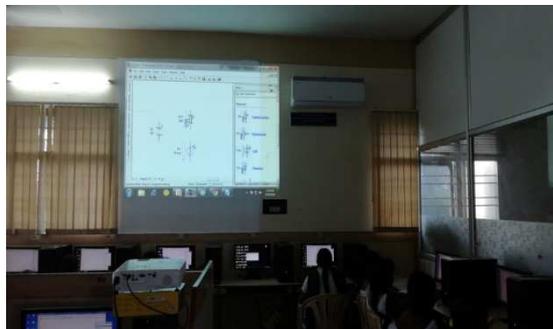
Brief Summary:

In this event the IV EEE-B students were given some clues by the Mr.A.Krishna Nag, Associate Professor to solve the maze puzzle. For this activity few students were only considered for solving the puzzle due to their active involvement. The puzzle finally solved by the 03 students with in the last minute.

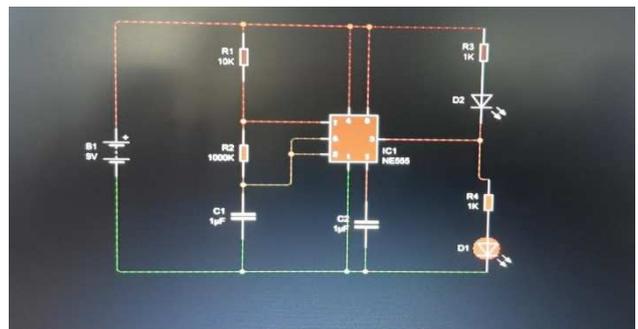
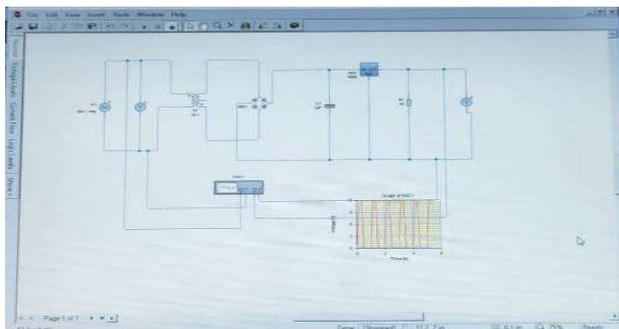


PCB DESIGN WORKSHOP

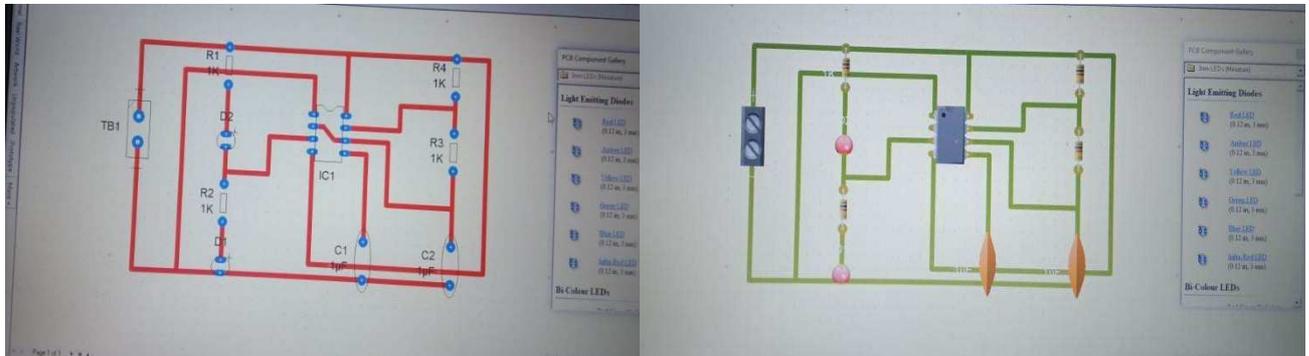
The Department of Electronics and Communication Engineering of DIET, in association with Andhra Pradesh State Skill Development Corporation (APSSDC) has organized a Six day workshop on " PCB DESIGN " for II B.Tech ECE Students during 16-09-2019 to 21-09-2019. The main aim of workshop is to develop the practical knowledge of students in advanced PCB software's and to design the multiple circuits . The workshop was aimed to provide knowledge about Complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment.



Placing the components on the schematic window



Designed few circuits by using live wire software



A GUEST LECTURE ON “ RECENT TRENDS IN ELECTRONICS & COMMUNICATION ENGINEERING ”

In its pursuit of excellence in Technical Education Department of Electronics and Communication Engineering along with IETE Student Chapter of Dadi Institute of Engineering & Technology, Visakhapatnam conducted Guest Lecture on Recent Trends in Electronic and Communication Engineering on 12th Dec-2019 on the occasion of Sir “ROBERT NORTON NOYCE’S ” Birthday. The Department of ECE have conducted various events like PPT, Technical Quiz, Poster presentation, circuit challenge for B.Tech and Diploma students .





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Chief Guest Dr C.h.Srinivasarao, addressing the gathering at the Inaguration

The Guest Lecture aims to enhance and strengthen the skills among the students in the Biomedical signal processing. To impart knowledge in emerging technologies and get them trained towards Industrial in a planned manner. And the faculty members teaching the subject attended the lecture and enhanced their understanding of the subject. Clocking and Signal Routing, system properties in terms of impulse response, step response in terms of impulse response, Multirate and Wavelet Signal Processing Fourier Representation of Periodic Signals, CTFS and DTFS, definition, properties (No derivation) and basic problems, Z-transform, properties of the Region of convergence, Properties of the Z-Transform, Application of Biomedical signal processing .Inversion of the Z-Transform were discussed in his session. 160 students of ECE participated in the event



Chief Guest Dr.Ch.Srinivasa Rao explaining the basics of signaling processing to the Students.



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Fundamentals of signal processing were taught in the seminar hall-2 to the participants.



Distribution of prizes by Chief Guest Dr.Ch.Srinivasa Rao, Dr Ch. S. Naga Prasad , Principal, Dr.B.RajaRao ,HOD, ECE.



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Distribution of prizes by Chief Guest Dr.Ch.Srinivasa Rao, Dr .Ch. S. Naga Prasad , Principal, Dr.B.RajaRao ,HOD, ECE.

In this academic year, the department of CIVIL implemented the IE(I) student chapter activities apart from regular teaching evaluation process. The Student involvement is more predominant in this year which helps them to motivate towards research oriented study.



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DEPARTMENT OF CIVIL ENGINEERING IN ASSOCIATION WITH
DIET IE(I) STUDENT CHAPTER AND APSSDC

ARCHITECTURAL MODELING USING REVIT WORKSHOP REPORT |



About CIVIL Engineering Department:

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Programs and subsequently the intake got enhanced to 120 in the year 2013. At present the Department intake for undergraduate (B.Tech.) is 60. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Department has a mix of both experienced and young faculty. Majority of the faculty members actively involve themselves in improving their education qualifications and research works. Faculty and students are encouraged to attend and participate in various seminars, workshops and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, conferences, and seminars.



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DEPARTMENT OF CIVIL ENGINEERING

TECHNICAL EVENT REPORT - 30/10/2019



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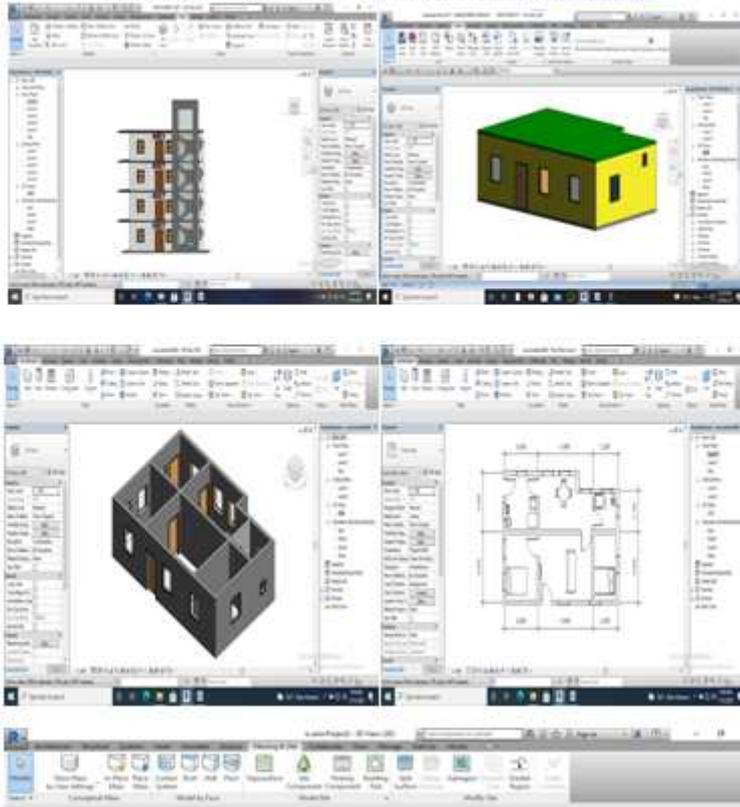
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Civil Engineering Students: practice of Architectural Modeling using Revit Day-6



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Civil Engineering Students practice of Architectural Modeling using Revit Day-7



Civil Engineering Students practice of Architectural Modeling using Revit Day-7



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About Technical Event:

The Department of Civil Engineering of Dadi Institute of Engineering & Technology (DIET) in association with DIET IE(I) Student Chapter have organized a "Technical Event" on 30/10/2021, Saturday in Seminar Hall-2 of Dadi Institute of Engineering & Technology campus. With an objective to promote IE(I) Student Chapter importance among the students and also to promote the participating and organizing skills in the students, the "Technical Event" has been organized.

The poster is a rectangular document with a white top section and a light blue bottom section. At the top left is the Diet logo, and at the top right is a circular seal. The text in the white section includes the institute's name, accreditation details, and the department's association with the student chapter. The blue section contains the event title, date, venue, time, and a list of three activities: a technical quiz, a seminar on technical topics, and an image identification task. At the bottom, it lists the names and titles of the organizing staff: Mr. N. Ramu (HOD Civil), Dr. Challa Narasimhan (Principal), and Sri Hari Rayanna (Chairman).

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**DEPARTMENT OF CIVIL ENGINEERING
IN ASSOCIATION WITH
DIET IE(I) STUDENT CHAPTER**

TECHNICAL EVENT ON 30/10/2021
VENUE: SEMINAR HALL 02; 4TH FLOOR
TIME: 01:30 PM ONWARDS

- 1. TECHNICAL QUIZ**
- 2. SEMINAR ON TECHNICAL**
- 3. IDENTIFY THE SPOTTED IMAGE**

ELIGIBILITY: B.TECH/DIPLOMA CIVIL ENGINEERING
REGISTER ON: <https://forms.gle/2m8kxw3t1t102d19>

MR. N. RAMU
HOD CIVIL

DR. CHALLA NARASIMHAN
PRINCIPAL

SRI HARI RAYANNA
CHAIRMAN

Technical Event Poster



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Three events namely "Technical Quiz", "Identify the spotted image", and "Technical Seminar" have been conducted and students have participated with their teams.



Students' participation in Technical Quiz



Students' participation in Identify the Spotted Image



Students' participation in Technical Seminar



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Phone: 9963981111, 9963694444, E-Mail: info@diet.edu.in, Web: www.diet.edu.in



Winners of the Events

In this occasion active participation certificates have been distributed to the students of IV Civil Engineering in recognition for their committed involvement in Civil Consultancy Activities.





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DEPARTMENT OF CIVIL ENGINEERING

TECHNICAL EVENT REPORT - 29/02/2020



About CIVIL Engineering Department:

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Program and subsequently the intake got enhanced to 120 in the year 2013. At present the Department intake for undergraduates (B.Tech.) is 60. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Department has a mix of both experienced and young faculty. Majority of the faculty members actively involve themselves in improving their education qualifications and research works. Faculty and students are encouraged to attend and participate in various seminars, workshops and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, conferences and seminars.

In this academic year, the department of MBA continuing the B- Club activities apart from regular teaching evaluation process. Students are regularly evaluated on different parameters to check their progress throughout a semester. Class participation, seminars, announced tests, assignments, projects, etc. form part of this evaluation process. Students in this institute interacts with eminent guests from the industry on a regular basis. At the



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university level, these guests having huge experience and unparalleled expertise come from varied industries and different countries. The Department of Management arranges for regular visit by high-ranking industry personnel to the campus. This ensures that the students have get to know about the latest happenings in the industry, thereby making them ready for their future endeavors.

Interactive Session

"Digital Banking Reforms in India" Department of Management Studies of Dadi Institute of Engineering & Technology (DIET) conducted Interactive Session on "Digital Banking Reforms in India" on 26/09/2019 in Seminar Hall

Sri.RVG Kulkarni, Senior Vice president of HDFC Bank, India, has graced the Dias as Chief Guest, T.Praveen Kumar, Deputy Vice President, Cluster Head, Visakhapatnam has graced the dias, Our Chairman Sri Dadi Ratnakar garu & Dr.P.B Ram Kumar, HOD of MBA Dept has graced the Dias.





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Sri RVG Kulkarni, Senior Vice President, HDFC BANK, as addressed the gathering regarding the digital banking influence on customers types of assets in banking sectors, types of loans providing to the customers, Rural banking Facilities and also he guided the students how to aspire competitive exams, Civil services & Foreign education in Reputed Universities.

Mr.Kulkarni also briefed about various exams which student could write during their studies in order to settle in the banking and insurance industry. Also explained about the career in the banking industry and the growth cycle.



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T.Praveen Kumar, Deputy Vice President, Cluster Head, Visakhapatnam also interacted with the students and enlightened the students with the various digital banking tools.



News paper clipping :

డైట్ కళాశాలలో డిజిటల్ బ్యాంకింగ్పై అవగాహన సదస్సు



కులకర్ణిని సత్కరిస్తున్న దృశ్యం

అనకాపల్లి, స్యూస్ లీడర్: పట్టణంలోని డైట్ కళాశాలలో ఎంబీఏ, ఇంజనీరింగ్ విద్యార్థులకు డిజిటల్ బ్యాంకింగ్పై అవగాహన సదస్సు నిర్వహించారు. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా విచ్చేసిన హెచ్ డీ ఎఫ్ సీ వైస్ ప్రెసిడెంట్ ఆర్ జీ కులకర్ణి విద్యార్థులను దేశం చి మాట్లాడుతూ డిజిటల్ బ్యాంక్ ప్రాముఖ్యతను వివరించారు. రిటైల్, హోలో సేల్ బ్యాంకింగ్ క్యాష్ మేనేజ్ మెంట్ లోన్స్ గురించి క్లుప్తంగా వివరించారు. విద్యార్థులందరూ బ్యాంక్ పరీక్షల కోచింగ్ తీసుకొని పరీక్షలు రాయవలసిందిగా సూచించారు. వీటితో పాటు మొబైల్ బ్యాంకింగ్, కెవైసీ గురించి చెప్పారు. విద్యార్థులు అడిగిన వివిధ ప్రశ్నలకు ఆయన సమాధానం ఇచ్చారు. ఇందులో భాగంగా కళాశాల చైర్మన్ దాడి రత్నాకర్ మాట్లాడుతూ మరో పది సంవత్సరాల తర్వాత బ్యాంకింగ్ ఉండదని, ఎందుకంటే అంతా డిజిటలైజేషన్ అవుతుందన్నారు. ఈ విషయాన్ని ప్రతి విద్యార్థి వారి తల్లిదండ్రులకు తెలియజేయాలని సూచించారు. ఈ కార్యక్రమంలో ఎంబీఏ విభాగాధిపతి డాక్టర్ రామ్ కుమార్, అధ్యాపక సిబ్బంది పాల్గొన్నారు.





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2.3.1 EXPERIENTIAL AND PARTICIPATIVE LEARNING

Project batches 2019-20

Bat. No	Regd. No	Name of the student	Title
1	16u41a05a7	Kolichina poojitha	Secure two party computation
	16u41a0571	Saripalli sai keerthi	
	16u41a0594	Dasari bhavyasri	
	16u41a0599	Hafeeza begum	
	16u41a05c4	Karri alekya	
	16u41a05b8	Konathala sharmila	
2	16u41a0592	U. Venkata sai manaswini	Efficient vehicle detection system on the roads using deep learning
	16u41a05d1	Jage raju	
	16u41a0595	Rapeti sravani lakshmi	
	16u41a0587	Joshna bisai	
	16u41a05b7	Anusha kumari swain	
	16u41a05b5	Vegi vamsi sai krishna	
3	16u41a05a9	Adari mounica maha lakshmi	College information chatbot using natural language processing
	17u45a0501	Gonthina mahesh	
	16u41a0590	Nanepalli nagasree	
	16u41a05b0	R sai sri suma	
	16u41a0575	Teegala sai naveen	
	16u41a05a5	Sandrani varalaxmi	
4	16u41a0591	T. Swethasri divya parvathi	Institute examcell automation with mobile application interface
	16u41a05c7	B lakshmi dhakshayani	
	16u41a05c6	Tangati santhosh	
	16u41a0579	Ayithamsetti jayasri	
	16u41a05a8	Kadiri renuka	
Bat. No	Regd. No	Name of the student	Title
5	16u41a05b3	Pulavarthi sailaja	In overhead tanks using internet of things and mobile application
	16u41a05b2	Dadi supraja	
	16u41a0593	B prasanth	
	16u41a0569	Sana naveen kumar	
	16u41a05d0	Suriseti dedeepya	
6	16u41a05c3	Kanithi mounika	Analasys of malicious facebook applications using machine learning algorithms
	16u41a0584	Sri lakshmi padala	
	16u41a05c1	Amireddi manasa	
	16u41a0582	Yelamala pallavi	

Batch. no	Regd. No	Name of the student	title
1	16u41a0521	Garbham himabindu	hate speech recognition with machine learning using python with opinion mining
	16u41a0504	Ankamreddi devi	
	16u41a0511	Botta mounika	
	16u41a0531	Kandregula n s surya	
	16u41a0549	Mirthypati uma	
2	16u41a0515	Raja danduboyina	traffic analysis using object detection with deep learning
	16u41a0514	Chekuri jyoshna devi	
	16u41a0510	Bheemarasetty anusha	
	16u41a0534	Kannuru sai reshma sri	
	16u41a0527	Itha vanitha	
3	16u41a0566	Pothula ushasri	driver drowsiness detection and alarm system using machine learning
	16u41a0538	Kolati raveli	
	16u41a0535	Koduru sirisha	
	16u41a0559	Pudi kaveri pavan kumar	
	16u41a0552	Mycherla vamsi krishna	
4	16u41a0546	Malla divya sree	student result prediction using support vector machine
	16u41a0516	Daremisetty malathi	
	16u41a0523	Grandhi pratyusha	
	16u41a0501	Adari nandini	
	16u41a0537	Kolanki charmila	
5	16u41a0522	G. Lakshmi sai keerthana	iot based borewell water level detection and auto control of submerisable pumps
	16u41a0547	M lakshmi kamalanjali	
	16u41a0529	Joga chakravarthi	
	16u41a0503	Adireddi tulasi	
	16u41a0554	N. G. N m p surya prakash	
6	16u41a0551	Mukkala triveni	Service quality evaluation by exploring social users contextual information using association rule mining algorithms
	16u41a0543	Lalam dharani	
	16u41a0540	Konathala nandini shri	
	16u41a0542	Koyilada lanith sai	
7	16u41a0506	Bandaru yamini	fake news detection using machine learning algorithms
	16u41a0563	P laxmi bhargavi	
	16u41a0565	P sai durga prasadu	
	16u41a0560	P. V v satya sai sriram	
	167a1a0523	Maduri.g	

Batch no	Regd. No	Name of the student	Name of the guide	Title
1	17u45a0224	Kundala durga rao	Mr. B.t. Ramakrishna rao	Matlab/simulink based intelligent power quality conditioner using fuzzy logic controller
	17u45a0259	Rongali gangadhar		
	17u45a0203	Bheesetty pavankumar		
	17u45a0240	Rallapati ganeswara rao		
	17u45a0202	Adari venkata ajay		
2	17u45a0223	Kothapalli lalitha	Mr.k.vijay kumar	Modelling and

	17u45a0244	Sornapudi harsha		simulation of dynamic voltage restorer for power quality problems
	17u45a0207	Dadi atchutha		
	17u45a0204	Boddeda lokesh		
	17u45a0233	Pakkurti vinay		
3	17u45a0225	Majji roopa	Mrs alfoni jose	Design of piezoelectric energy harvester
	17u45a0249	Yenneti meena		
	17u45a0210	Gannu naresh		
	17u45a0205	Boddeda siva sai		
	16u41a0205	P nagabhushanam		
4	16u41a0210	S charan	Mr.k.srinivasa rao	Monitoring and fault detection system for power transmission system using gsm technology
	17u45a0261	Velugula manikanta		
	17u45a0213	Gollavilli swathi		
	17u45a0208	Dalli m d devendra prasad		
	16u41a0209	S surendra babu		
Batch no	Regd. No	Name of the student	Name of the guide	Title
5	17u45a0212	Gavara revathi	Mr.Rajendra prasad	Simulation of control strategy of single axel parallel hybrid electric vehicle
	17u45a0211	Ganugula siva		
	17u45a0222	Kothakota kiran		
	17u45a0254	Padala gangadhar		
	17u45a0248	Vegi venkata s sai hari haran		
6	17u45a0220	Kollu gangaram	Mr.J.deleep kumar	Sign to speech conversion using android phone for dumb people
	17u45a0215	Kandelli sowjanya		
	17u45a0231	Nandarapu ananth kumar		
	17u45a0239	Puredla srihari babu		
	17u45a0219	Koilada prasad		
7	17u45a0229	Mindi mahesh	Mr.D.ch.nookesh	Dual axis solar tracking using arduino
	17u45a0234	Pampana pravallika		
	17u45a0236	Pentaboina sudharshan		
	17u45a0262	Kandregula sampath kumar		
	17u45a0251	Nandarapu naidu		
8	17u45a0260	Vanam vinay	Mr.G.jagadeesh	Modelling and simulation of 9 level cascaded h- bridge multilevel inverter
	17u45a0246	Surisetty lavanya		
	17u45a0206	Chandhaka sai kumar		
	16u41a0204	S janardhan		
	17u45a0253	Aythi avinash yadav		

Bat ch no	Regd. No	Name of the student	Name of the guide	Title
9	17u45a0226	Malla joshi	Mr.p.viniod kumar	Hormony assessment for 9 bus power system under non linear load using static synchronous series compensator
	17u45a0250	Kandregula kishore		
	17u45a0227	Malla varaprasad		
	17u45a0256	Kkandregula venkatesh		
	17u45a0237	Pitta kishore		
10	17u45a0216	Kandipilli lavanya	Mr.p.jagruthi	Gesture controlled robot
	17u45a0235	Pedireddla venkata t swaroup		
	17u45a0247	Vangala jayaram		
	16u41a0202	K ashwin kumar		
	16u41a0207	P chandra mouli		
11	17u45a0218	Koilada kavya	Mrs.A.l.durga	Multi functional service robot
	17u45a0242	Senapathi ganesh		
	17u45a0221	Koppoju sai kumar		
	16u41a0206	V.mounika		
	17u45a0217	Kandregula hari rama krishna		
12	17u45a0232	Ommi maneswara	Ms.A.v.s lakshmi	Smart home using pir sensor
	17u45a0245	Srikakulam mahesh		
	17u45a0257	Bheesetti rama krishna mahesh		
	16u41a0203	K siva		
	17u45a0209	Gangiredla manikanta		
13	17u45a0243	Shaik sharif	Mr.M.raja rao	Power quality improvement by using apf
	17u45a0252	Jogi laxman sai kiran		
	17u45a0241	Saragadam suresh		
	17u45a0214	Jerripothulu giri kumar		
	15u41a0206	B.vinay		
14	17u45a0258	Reddi ramya	Mr.ch. Ravi kumar	Smart helmet and intelligent bike system
	17u45a0255	Puvvularouthu ravi teja		
	16u41a0208	R dinesh verma		
	17u45a0230	Mopada nanaji		
	15u41a0215	A durga babu		

No	Regd. No	Name of the Student	Name of the guide	Title of the Project
1	17U45A0127	MADIBOYINA MADHURI	Mr. K Chaitanya	AN EXPERIMENTAL STUDY ON SELF-HEALING CONCRETE USING BACILLUS SUBTILIS
	17U45A0138	PIRADI NOOKARAJU		
	16U41A0111	SONU KUMAR URAW		
	17U45A0142	SALAPU JAGADEESH		
	17U45A0115	JAGARAPU YASWANTH		
2	17U45A0125	MADDALA ANURADHA LAKSHMI	Mr. D.V Shanmukesh	STORM WATER RUNOFF MANAGEMENT BY USING PERVIOUS PAVEMENT
	16U41A0102	CHANDRA AMUKTHA MALYADA		
	17U45A0137	PETLA YAMINI SWETHA		
	16U41A0101	BANDARU SANKAR		
	17U45A0149	THONDA GANESH		
3	17U45A0111	GEDUTHURI RAMYA	Mrs. K Manoharini	AN EXPERIMENTAL STUDY ON BEHAVIOUR OF WARM MIX ASPHALT BY USING ZYCOTHERM
	17U45A0143	SARAGADAM GAYATHRI		
	17U45A0114	GUNNABATTULA GAYATRI		
	17U45A0148	TADI BHANU SEKHAR		
	17U45A0146	SURISETTI JAGADEESH		
4	17U45A0116	JERRIPOTHULA SRAVANI	Mr. B Sudheer Kumar	STRENGTHENING AND COMPARATIVE STUDY OF RC BEAMS USING GFRP WITH VARIOUS LAYERS
	17U45A0131	MANTHINI VENKATA RAMANA		
	17U45A0129	MANDAPAKA KISHORE		
	17U45A0109	DEKKA RAMCHANDU		
	16U41A0112	SURISSETTY NAGAPHANEENDRA		
5	17U45A0123	KOSANAM RENUKA NAGA	Mr. N Rama	AN EXPERIMENTAL STUDY ON COST REDUCTION OF BUILDING BY USING HOLLOW PANEL BOARDS
	16U41A0108	PALLA PARAMESWARI		
	17U45A0102	BADAMPUDI RAVICHINNA		
	17U45A0122	KOPPISETTY RAJESH		
	16U41A0106	KORIBILLI ANIL KUMAR		
6	17U45A0126	MADDALA CHAKRAMARTHI	Mr. DV Shanmukesh	DEVELOPMENT OF DESIGN CHARTS FOR THE IRREGULAR SLABS PATTERN
	17U45A0103	BALIREDDI HEMANTH KUMAR		
	17U45A0120	KANDULA RAVI TEJA		
	17U45A0112	GODDU ASIRINAIDU		
	17U45A0139	POLIMERA SURYANARAYANA		

7	17U45A0121	KONKUPUDI SANKAR SAI	Mrs. P Lavanya	STRENGTHENING OF CLAYEY SOILS BY USING GEOGRIDS
	17U45A0119	KANDREGULA SAMPATH KUMAR		
	17U45A0147	SURISSETTY JYOTHI		
	17U45A0141	SALAPU DURGA PRASAD		
	16U41A0107	KOTNI NARESH		
No	Regd. No	Name of the Student	Name of the	Title of the Project
8	17U45A0135	PALLA LAKSHMI HARIKA	Mr. M Gupta	EXPERIMENTAL STUDY ON LIGHT TRANSMITTED CONCRETE
	17U45A0108	CHURKALA JAGADISH SAIRAM		
	17U45A0118	KAKARA KARTHIK		
	17U45A0140	PONNAGANTI SATEESH		
	16U41A0109	POTHALA ABHINAV KUMAR		
9	17U45A0145	SILAPARASETTI VENKATESH	Mr. PLN	COMPARATIVE STUDY OF RC STRUCTURES USING SEA SAND & REINFORCEMENT COVERED BY PLASTIC TUBES
	17U45A0136	PEELA BALA SAI		
	17U45A0106	BOTTA SIVA VENKATA SAI		
	17U45A0132	MATHALA PRAVEEN KUMAR		
	17U45A0133	MEDISETTI BHANU PRASAD		
10	17U45A0104	BODDETI NAVEENA LAKSHMI	Mr. M Gupta	IMPROVING THE PROPERTIES OF ASPHALT CONCRETE BY ADDITION OF PLASTIC WASTE AND CRUMB RUBBER
	16U41A0115	SIDDA SIRISHA		
	17U45A0134	MUDAPAKA NAVEEN		
	17U45A0128	MAGARAPU SANTOSH KUMAR		
	16U41A0113	VIYYAPU BHASKAR RAO		
11	16U41A0110	POTNURU SAI KUMAR	Mr. K Appalaraidu	AN EXPERIMENTAL INVESTIGATION ON LIGHT WEIGHT REINFORCED CONCRETE ELEMENTS BY USING POLYPROPYLENE MATERIAL.
	17U45A0107	CHAKKALA DURGAPRASAD		
	16U41A0104	GANNU PYDI RAJESH		
	17U45A0151	SILAPARASETTI JAGADEESH		
	16U41A0114	PEDADA RAJ MAHESH		
12	17U45A0113	GUDE NANDI PRIYA	Mr DA Ramacharyulu	IMPROVING THE PROPERTIES OF AUTOCLAVED AERATED BLOCKS BY ADDITION OF GLASS FIBRE
	17U45A0144	SATHIVADA SITARAM		
	17U45A0124	LALAM ANANTHA BABU		
	17U45A0105	BOTLA TARUN		
	17U45A0101	ALLA BABA AJAY		
13	17U45A0130	MANNI GOVINDA KRISHNA	Mrs. Santhi	AN EXPERIMENTAL STUDY ON REPLACEMENT FOR AGGREGATE WITH E-WASTE AND SLAG IN CONCRETE
	16U41A0116	PENTAKOTA GEETHANJALI		
	17U45A0117	JOMMALA VANI		
	17U45A0110	DEVI POLAMARASETTY		

**FACIAL EXPRESSION BASED EMOTION
RECOGNITION**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

T.LAKSHMI SWETHA	16U41A0576
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G.JYOTHI	16U41A05A6
A.SANTHOSHI KUMARI	16U41A05B6
L.NAVEEN CHAKRAVATHI	16U41A05C2

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This is to certify that the Project work entitled "FACIAL EXPRESSION BASED EMOTION RECOGNITION" is being submitted by T. LAKSHMI SWETHA (16U41A0576), S. VIJAY KUMAR (16U41A0573) G. JYOTHI (16U41A05A6), A.SANTHOSHI KUMARI (16U41A05B6) ,L. NAVEEN CHAKRAVARTHI (16U41A05C2) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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**AIR QUALITY MONITORING AND WATER QUALITY
TESTING SYSTEM BASED ON IOT**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

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This is to certify that the Project work entitled **"AIR QUALITY MONITORING AND WATER QUALITY TESTING SYSTEM BASED ON IOT"** is being submitted by V.KAMESWARI (16U41A0580) ,V.RAGHURAM(16U41A0581), S.BHANUVARDHAN (16U41A05C0), Y.SAILAJA (16U41A0583), S.NAGAMANI (16U41A05A4) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-2020.

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**ANALYSIS TO PREDICT THE BITCOINS PRICE
USING MACHINE LEARNING ALGORITHMS**

***A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of***

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

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**IOT BASED SMART TRAFFIC MANAGEMENT
SYSTEM**

***A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY***

**IN
COMPUTER SCIENCE AND ENGINEERING**

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K. KARTHIKA PAVANI	16U41A0530
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**Efficient Vehicle Detection System on the roads
using Deep Learning**

***A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of***

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

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Joshna Bisai	16U41A0587
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**ANALYSIS OF MALICIOUS FACEBOOK APPLICATIONS USING MACHINE
LEARNING ALGORITHMS**

*A Project Report submitted in partial fulfilment of the requirements
for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

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A.MANASA	16U41A05C1
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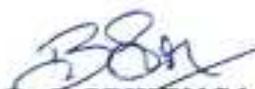


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This is to certify that the Project work entitled "ANALYSIS OF MALICIOUS FACEBOOK APPLICATIONS USING MACHINE LEARNING ALGORITHMS" is being submitted by K.MOUNIKA(16U41A05C3), P.SRILAKSHMI(16U41A0584),A.MANASA(16U41A05C1),Y.PALLAVI(16U41A0582) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.


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EXTERNAL EXAMINER

SECURE TWO PARTY COMPUTATION

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

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EXTERNAL EXAMINER

**SERVICE QUALITY EVALUATION BY EXPLORING
SOCIAL USERS CONTEXTUAL INFORMATION
USING ASSOCIATION RULE MINING ALGORITHMS**

***A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of***

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

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This is to certify that the Project work entitled "DATA MINING BASED SERVICE QUALITY EVALUATION BY EXPLORING SOCIAL USERS CONTEXTUAL INFORMATION" is a being submitted by M.TRIVENI (16U41A0551), L.DHARANI (16U41A0543), K.NANDINI SHRI (16U41A0540), K.LANITH SAI (16U41A0542), in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

**COLLEGE INFORMATION CHATBOT USING
NATURAL LANGUAGE PROCESSING**

***A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of***

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

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N.NAGASREE	16U41A0590
R.SAI SRI SUMA	16U41A05B0
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This is to certify that the Project work entitled "COLLEGE INFORMATION CHATBOT USING NATURAL LANGUAGE PROCESSING" is a being submitted by A MOUNICA MAHA LAKSHMI (16U41A05A9), G MAHESH(17U41A0501), N NAGASREE (16U41A0590), R SAI SRI SUMA (16U41A05B0), T SAI NAVEEN (16U41A0575), S VARALAXMI (16U41A05A5) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

**INSTITUTE EXAMCELL AUTOMATION WITH
MOBILE APPLICATION INTERFACE**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

T S S D PARVATHI	16U41A0591
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T SANTHOSH	16U41A05C6
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ANAKAPALLE - 531 002

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EXTERNAL EXAMINER

CLOUD BASED SMART PARKING SYSTEM

***A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY***

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

N.RAMA KRISHNA	16U41A0556
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G.MADHAVI	16U41A0524
R.SYAMALA DEVI	16U41A0568
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EXTERNAL EXAMINER

**FAKE NEWS DETECTION USING MACHINE
LEARNING ALGORITHMS**

*A Project Report submitted in partial fulfilment of the
Requirement for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

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P.V.V.S.S.SRI RAM	16U41A0560
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CERTIFICATE

This is to certify that the Project work entitled "FAKE NEWS DETECTION USING MACHINE LEARNING ALGORITHMS" is a being submitted by B.YAMINI (16U41A0506), P.L.BHARGAVI (16U41A0563), P.SAI DURGA PRASAD (16U41A0565), P.V.V.S.S.SRI RAM (16U41A0560), G.MADHURI (167A1A0523) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20

N. Viswanadha Reddy

Mr. N. VISWANADHA REDDY

(ASSISTANT PROFESSOR)

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*Head of the Department
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EXTERNAL EXAMINER

**IOT BASED GARBAGE MONITORING SYSTEM
FOR SMART CITY**

**A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING**

Submitted by

MOULYA ANANTHAPALLI	16U41A0550
PEELA SATYA LAXMI SUREKHA	16U41A0562
BHAVANA GHANTA	16U41A0509
CHEBOLU KRISHNA LAVANYA	16U41A0513
MAHANTHI DHARANI CHANDRAHAS	16U41A0545

Under the Esteemed Guidance of

Mr.CH.DINESH

Sr.Asst Professor , Department of CSE



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NH-16, Anakapalle-531002, Visakhapatnam, A.P.

2020

**HATE SPEECH RECOGNITION WITH MACHINE
LEARNING USING PYTHON WITH OPINION
MINING**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

G.HIMA BINDU	16U41A0521
A.DEVI	16U41A0504
B.MOUNIKA	16U41A0511
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2020**

CERTIFICATE

This is to certify that the Project work entitled "HATE SPEECH DETECTION WITH MACHINE LEARNING USING PYTHON WITH OPINION MINING" is a being submitted by G.HIMA BINDU (16U41A0521), A.DEVI (16U41A0504), B.MOUNIKA (16U41A0511), M.UMA (16U41A0549), K.N.S.SURYA (16U41A0531) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.


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EXTERNAL EXAMINER

**Traffic Analysis using Object Detection with Deep
Learning**

***A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of***

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted By

D. Raja	16U41A0515
Ch. Jyoshna Devi	16U41A0514
B. Anusha	16U41A0510
K. Sai Reshma Sri	16U41A0534
I. Vanitha	16U41A0527

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CERTIFICATE

This is to certify that the project work entitled "TRAFFIC ANALYSIS USING OBJECT DETECTION WITH DEEP LEARNING" is being submitted by D RAJA (16U41A0515), CH JYOSHNA DEVI (16U41A0514), B ANUSHA (16U41A0510), K RESHMA SRI (16U41A0534), I VANITHA (16U41A0527) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-2020.


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Dr. L. PRASANNA KUMAR
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EXTERNAL EXAMINER

**A SHOULDER SURFING RESISTANT GRAPHICAL
AUTHENTICATION SYSTEM**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY IN COMPUTER

SCIENCE AND ENGINEERING

Submitted by

G.KALYANI	16U41A0520
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N.HARSHINI	16U41A0555
P.ROHIT	16U41A0561
P.HARINI	16U41A0558
B.ASHWINI	16U41A0526

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NH-16, Anakapalle-531002, Visakhapatnam, A.P,2020

CERTIFICATE

This is to certify that the Project work entitled "A SHOULDER SURFING RESISTANT GRAPHICAL AUTHENTICATION SYSTEM" is a being submitted by G KALYANI (16U41A0520), CH SWATHI (16U41A0512), N HARSHINI (16U41A0555), P ROHIT (16U41A0561), P HARINI (16U41A0558), B ASHWINI (16U41A0526) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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Dr.L.PRASANNA KUMAR

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EXTERNAL EXAMINER

**THE OPTIMIZATION OF BLOOD DONOR
INFORMATION AND MANAGEMENT SYSTEM USING
MACHINE LEARNING**

*A Project Report submitted in partial fulfilment
of the requirements for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

G. HARSHITHA	16U41A0525
P. SOWJANYA	16U41A0564
K. MANOJ VARMA	16U41A0536
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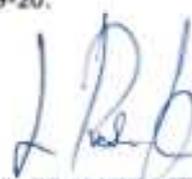
CERTIFICATE

This is to certify that the Project work entitled "THE OPTIMIZATION OF BLOOD DONOR INFORMATION AND MANAGEMENT SYSTEM USING MACHINE LEARNING" is a being submitted by G HARSHITHA (16U41A0525), P SOWJANYA (16U41A0564), M SRI RAMYA (16U41A0548), K MANOJ VARMA (16U41A0536), B MONICA (16U41A0505) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

**LIGHT WEIGHT SECURITY
AND
DATA PROVENANCE FOR MULTI-HOP IOT**

**A Project Report submitted in partial fulfillment of the
Requirements for the award of the Degree of**

**BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING**

Submitted by

J.NANDINI	16U41A0528
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N.S.PRAKASHINI	16U41A0553
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2020

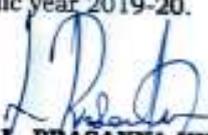


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CERTIFICATE

This is to certify that the Project work entitled "LIGHT-WEIGHT SECURITY AND DATA PROVENANCE FOR MULTI-HOP IOT" is a being submitted by J.NANDINI (16U41A0528), A.JITENDRASAIRAM (16U41A0502), N.PRAKSHINI (16U41A0553), S.GAYATRI (16U41A0567), in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.


P.S.V.S.V. RAMARAJU
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Dr. L. PRASANNA KUMAR
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Head of the Department,
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EXTERNAL EXAMINER

**AUTOMATED WATER FLOW CONTROL SYSTEM
IN OVERHEAD TANKS USING INTERNET OF
THINGS AND MOBILE APPLICATION**

**A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of**

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

P. SAILAJA	(16U41A05B3)
D. SUPRAJA	(16U41A05B2)
B.PRASANTH	(16U41A0593)
S.NAVEEN KUMAR	(16U41A0569)
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CERTIFICATE

This is to certify that the Project work entitled "AUTOMATED WATER FLOW CONTROL SYSTEM IN OVERHEAD TANKS USING INTERNET OF THINGS AND MOBILE APPLICATION" is a being submitted by P .SAILAJA (16U41A05B3), D.SUPRAJA (16U41A05B2), B.PRASANTH (16U41A0593), S.NAVEEN KUMAR (16U41A0569), S.DEDEEPPYA (16U41A05D0) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

Dr. K. SUJATHA
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**DRIVER DROWSINESS DETECTION AND ALARM
SYSTEM USING MACHINE LEARNING**

**A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY**

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

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This is to certify that the Project work entitled "**DRIVER DROWSINESS DETECTION AND ALARM SYSTEM USING MACHINE LEARNING**" is a being submitted by P.USHASRI (16U41A0566), K.RAVALI (16U41A0538), K.SIRISHA (16U41A0535), P.PAVAN KUMAR (16U41A0559), M.VAMSI KRISHNA (16U41A0552) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-2020.


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EXTERNAL EXAMINER

**STUDENT RESULT PREDICTION USING
SUPPORT VECTOR MACHINE**

*A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY*

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

M DIVYASREE	16U41A0546
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G PRATYUSHA	16U41A0523
A NANDINI	16U41A0501
K CHARMILA	16U41A0537

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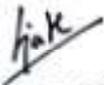
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CERTIFICATE

This is to certify that the Project work entitled "**STUDENT RESULT PREDICTION USING SUPPORT VECTOR MACHINE**" is a being submitted by **M DIVYASREE (16U41A0546)**, **D MALATHI (16U41A0516)**, **G PRATYUSHA (16U41A0523)**, **A MANDINI (16U41A501)**, **K CHARMILA (16U41A0537)** in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for **COMPUTER SCIENCE & ENGINEERING** during the academic year 2019-20.


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EXTERNAL EXAMINER

DIABETES PREDICTION USING MACHINE LEARNING

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

S.HEMALATHA	16U41A0570
T.RENUKA	16U41A0578
T.G.S.S.MANASA	16U41A05B4
G.HARIKA	16U41A05A2
K.CHANDRA SEKHAR	16U41A05C8

Under the Esteemed Guidance of

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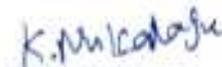
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CERTIFICATE

This is to certify that the Project work entitled "DIABETES PREDICTION USING MACHINE LEARNING" is being submitted by S.HEMALATHA (16U41A0570), T.RENUKA (16U41A0578), T.G.S.S.MANASA (16U41A05B4), G.HARIKA (16U41A05A2), K.CHANDRASEKHAR (16U41A05C8) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.


K. NUKARAJU
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Dr. L. PRASANNA KUMAR
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Head of the Department
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Anakapalle - 531002

EXTERNAL EXAMINER

IOT BASED
BOREWELL WATER LEVEL DETECTION AND
AUTO CONTROL OF SUBMERSIBLE PUMPS
A Project Report submitted in partial fulfilment of
the requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

Submitted by

G.L.S.KEERTHANA	16U41A0522
M.L.KAMALANJALI	16U41A0547
J.CHAKRAVARTHI	16U41A0529
N.SURYA PRAKASH	16U41A0554
A.TULASI	16U41A0503

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NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "IoT BASED BOREWELL WATER LEVEL DETECTION AND AUTO CONTROL OF SUBMERSIBLE PUMPS" is being submitted by G.L.S.KEERTHANA (16U41A0522), M.L.KAMALANJALI (16U41A0547), J.CHAKRAVARTHI (16U41A0529), N.SURYA PRAKASH (16U41A0554), A.TULASI (16U41A0503) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

Dr. K. SUJATRA
(PROFESSOR)
(PROJECT GUIDE)

Dr. G. PRABHANNA KUMAR
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(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

**SHAPED BEAMS FROM CIRCULAR APERTURE
ANTENNAS**

***A Project Report submitted in partial fulfillment of the
requirements for the award of the degree of***

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

M.Bhavana	16U41A0441
S.Srikanya	16U41A0431
K.Swetha	17U45A0410
M.Saikiran	17U45A0413
Y.Kurmaraju	16U41A0440

Under the Esteemed Guidance of

Dr. J. BABU B.TECH.,M.TECH.,Ph.D.

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NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "SHAPED BEAMS FROM CIRCULAR APERTURE ANTENNAS" is being submitted by M.BHAVANA (16U41A0441), S.SRIKANYA (16U41A0431), K.SWETHA (17U45A0410), M.SAI KIRAN (17U45A0413), and Y.KURMA RAJU (16U41A0440) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

Dr. J. BABU

(PROFESSOR)

(PROJECT GUIDE)

Dr. B. RAJA RAO

(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

Anakapalle - 531 002

**VOICE ACTIVATED SMART HOME DESIGN AND
IMPLEMENTATION USING AMAZON ALEXA**

*A Project Report submitted in partial fulfillment of the
Requirements for the award of the degree of*

BACHELOR OF TECHNOLOGY

IN

**ELECTRONICS AND COMMUNICATION
ENGINEERING**

Submitted by

G. SATTIREDDY	16U41A0407
D. JYOTHSNA	17U45A0404
M. MANI	17U45A0412
B. SAILAJA	17U45A0402

Under the Esteemed Guidance of
Mrs. D.L.MYTHRI
Asst. Professor, Department of E.C.E



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2019-2020



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CERTIFICATE

This is to certify that the project work entitled "VOICE ACTIVATED SMART HOME DESIGN AND IMPLEMENTATION USING AMAZON ALEXA" is being submitted by G.SATTIREDDY (16U41A0407), D.JYOTHSNA (17U45A0404), M.MANI (17U45A0412), B.SAILAJA (17U45A0402) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2019-2020.

Mrs. D.L.MYTHRI

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(ASSOCIATE PROFESSOR)

Head of the Department
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Anakapalli - 531 002

**DESIGN OF COMPACT MONOPOLE DUAL BAND
CONFORMAL MICROSTRIP ANTENNA**

***A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY***

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

Y.Aruna	16U41A0439
D.Manisha	16U41A0406
V.Revathi	17U45A0418
K.Madhuri priya	16U41A0415
J.Kanakaraju	16U41A0409

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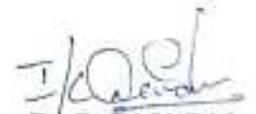
CERTIFICATE

This is to certify that the Project work entitled "DESIGN OF COMPACT MONOPOLE DUAL BAND CONFORMAL MICROSTRIP ANTENNA" is being submitted by Y.ARUNA(16U41A0439), D.MANISHA(16U41A0406), V.REVATHI (17U45A0418), K.MADHURI PRIYA (16U41A0415), J.KANAKARAJU (16U41A0409) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2019-2020.


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**DESIGN OF FPGA BASED 64-BIT FLOATING
POINT ARITHMETIC UNIT**

**A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY**

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

B. PRATHYUSHA	16U41A0403
N. GUNA GOPI SURENDRA	17U45A0414
S. SANDHYA	16U41A0429
B. SANDEEP	16U41A0402
P. VENKATA LAKSHMI	17U45A0417

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This is to certify that the Project work entitled "DESIGN OF FPGA BASED 64-BIT FLOATING POINT ARITHMETIC UNIT" is a being submitted by B.PRATHYUSHA (16U41A0403), N.GUNA GOPI SURENDRA (17U45A0414), S.SANDHYA (16U41A0429), B.SANDEEP (16U41A0402), P.VENKATA LAKSHMI (17U45A0417) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.


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Dr. B. RAJA RAO
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Anakapalle - 531 002

**COLOR BASED IMAGE SEGMENTATION USING
K-MEANS CLUSTERING**

**A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of**

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

M.HEMALATHA	16U41A0419
G.BHAGYA LAKSHMI	16U41A0443
S.TEJA	16U41A0413
J.RAJU	16U41A0408
P.RAJESH	17U45A0416

Under the Esteemed Guidance of

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This is to certify that the Project work entitled "COLOR BASED IMAGE SEGMENTATION USING K-MEANS CLUSTERING" is being submitted by M.HEMALATHA (16U41A0419), G.BHAGYA LAKSHMI (16U41A0443), S.TEJA (16U41A0413), J.RAJU (16U41A0408), P.RAJESH (17U45A0416) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-20.


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Head of the Department
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Anakapalle - 531 002

EXTERNAL EXAMINER

REAL TIME OFFICE SECURITY AND SAFETY SYSTEM

*A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

K.ANUSHA	16U41A0416
D.MAHESHWARI	17U45A0405
K.DEVI	16U41A0414
MD.WASIM AKHTER	16U41A0452
M.V.R.PRAKASH	16U41A0420

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CERTIFICATE

This is to certify that the Project work entitled "REAL TIME OFFICE SECURITY AND SAFETY SYSTEM" is a being submitted by K ANUSHA (16U41A0416), D.MAHESHWARI (17U45A0405), K.DEVI (16U45A0414), MD.WASIM AKHTER (16U41A0452), M.V.R PRAKASH (16U41A0420) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONIC AND COMMUNICATION ENGINEERING during the academic year 2019-20.

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Anakapalle - 531 002

EXTERNAL EXAMINER

**ELECTRONIC CHARACTERISTICS OF BEAM
STEERING PHASED ARRAY ANTENNA FOR
MOBILE APPLICATIONS**

*A project Report submitted in partial fulfillment of the
requirements for the award of the degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

S.BHAVYA BHARGAVI	16U41A0432
K.G.L.VIKAS	17U45A0411
A.P.D.SANKEERTHANA	16U41A0401
Y.PRASAD NAIDU	17U45A0423
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CERTIFICATE

This is to certify that the project work entitled "ELECTRONIC CHARACTERISTICS OF BEAM STEERING PHASED ARRAY ANTENNA FOR MOBILE APPLICATION" is being submitted by S.BHAVYA BHARGAVI (16U41A0432), K.G.L.VIKAS(17U45A0411),A.P.D.SANKEERTHANA(16U41A0401),Y.PRASADNAIDU(17U45A0423),K.YAMINI (16U41A0412) in partial fulfillment of the requirement for the award of the degree in BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

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Dr.B.RAJA RAO

(ASSOCIATE PROFESSOR)
Head of the Department
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Dadi Institute of Engg. & Tech.
Anakapalle - 531 002.

EXTERNAL EXAMINER

**IOT BASED GESTURE TO SPEECH CONVERTING
GLOVES WITH ANDROID SYSTEM**

*A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

S. PRADEEP KUMAR	16U41A0433
P. BHANU PRASAD	16U41A0421
R. REVATHI	16U41A0426
G. ESWARA NAGA ALIVENT	17U45A0408
N. SREEKANTH	16U41A0446

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CERTIFICATE

This is to certify that the Project work entitled "IOT BASED GESTURE TO SPEECH CONVERTING GLOVES WITH ANDROID SYSTEM" is being submitted by S PRADEEP KUMAR (16U41A0433), P BHANU PRASAD (16U41A0421), R REVATHI (16U41A0426), G ESWARA NAGA ALVENI (17U45A0408), N SREEKANTH (16U41A0446) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2019-2020.

Mrs. M. KASIYAMMAL

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Electronics & Communication Engg

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Anakapalle - 531 002.

INTERNAL EXAMINER

**IMAGE ENCRYPTION METHOD BASED ON
MODULAR MATRIX TRANSFORMATION AND
COORDINATE SAMPLING**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

V.SAISRUJANA	16U41A0436
N.JYOTHI	17U45A0415
P.VASU	16U41A0422
B.NAGENDRA	17U45A0403
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CERTIFICATE

This is to certify that the Project work entitled "**IMAGE ENCRYPTION METHOD BASED ON MODULAR MATRIX TRANSFORMATION AND COORDINATE SAMPLING**" is being submitted by V. SAI SRUJANA (16U41A0436), N. JYOTHI (17U45A0415), P. VASU (16U41A0422), B. NAGENDRA (17U45A0403), P. MADHAVI (16U41A0450) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-20.

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M.Tech (Assistant Professor)

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(Associate Professor)

Head of the Department
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Electronics & Communication Engg.
Dadi Institute of Engg. & Tech.
Anakapalle - 531 002.

EXTERNAL EXAMINER

**AUTOMATIC DOOR ACCESS SYSTEM USING
FACE RECOGNITION**

***A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY***

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

S GANESH	(17U45A0419)
S DEEPIKA ALEKHYA	(16U41A0428)
P SRUJITHA	(16U41A0442)
K GANESH SAI	(17U45A0407)
S JYOTHI	(16U41A0430)

Under the Esteemed Guidance of

Mrs. B.T. ARCHANA M.Tech

Asst. Professor, Department of ECE



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This is to certify that the project work entitled "AUTOMATIC DOOR ACCESS SYSTEM USING FACE RECOGNITION" is being submitted by S GANESH (17U45A0419), S DEEPIKA ALEKHYA (16U41A0428), P SRUJITHA (16U41A0442), K GANESH SAI (17U45A0407), S JYOTHI (16U41A0430) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

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EXTERNAL EXAMINER

**Design of a New Low Power Pulse Triggered
Flip-Flop Design with Conditional
Pulse-Enhancement Scheme**

***A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of***

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

P. PREETHE	16U41A0448
K. RESHMA	16U41A0423
U. RAJ KUMAR	16U41A0435
K. UGANDHAR	17U45A0409
Y. MAHESWARARAO	17U45A0422

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CERTIFICATE

This is to certify that the Project work entitled "DESIGN OF A NEW LOW POWER PULSE TRIGGERED FLIP-FLOP DESIGN WITH CONDITIONAL PULSE - ENHANCEMENT SCHEME." is being submitted by P. PREETHE (16U41A0448), K. RESHMA (16U41A0423), U. RAJ KUMAR (16U41A0435), K. UGANDHAR (17U45A0409), Y. MAHESWARARAO (17U45A0422) by in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

Ms. SHEIK SHABEENA
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Dr. B. RAJARAO
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Anakapalle - 531 002

**Implementation of high performance anti-
collision technique for RFID UHF tag**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

K.ANITHA	16U41A0411
A.KUMAR	17U45A0401
V.RAMA LAKSHMI	16U41A0438
V.GOWTHAMI	16U41A0437
T.S.S.HARSHA	17U45A0420

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CERTIFICATE

This is to certify that the Project work entitled "IMPLEMENTATION OF HIGH PERFORMANCE ANTI-COLLISION TECHNIQUE FOR RFID UHF TAG" is a being submitted by K.ANITHA (16U41A0411), A.KUMAR (17U45A0401), V.RAMALAKSHMI(16U41A0438),V.GOWTHAMI(16U41A0437),T.S.S.HARSHA (17U45A0420) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

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EXTERNAL EXAMINER

**AUDIO COMPRESSION USING
WAVELET TRANSFORMATION**

**A Project Report submitted in partial fulfillment of the
Requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY**

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

R.SAILAJA	16U41A0447
K.KRISHNA PRIYA	16U41A0417
S.MAHESH	16U41A0427
B.PRATHYUSHA	16U41A0449
K.V.S.VASU	15U41A0421

Under the Esteemed Guidance of

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2020

CERTIFICATE

This is to certify that the Project work entitled "AUDIO COMPRESSION USING WAVELET TRANSFORMATION", being submitted by R.SAILAJA (16U41A0447), K.KRISHNAPRIYA (16U41A0417), S.MAHESH (16U41A0427), B.PRATHYUSHA (16U41A0449), K.V.S.VASU (15U41A0421) in partial fulfilment of the Requirements for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION during the academic year 2019-2020.


Mrs. P. AMRUTHA

(ASST. PROFESSOR)

(PROJECT GUIDE)


Dr. B. RAJARAO

(ASSOCIATE PROFESSOR)
Electronics & Communication Engg

(HEAD OF THE DEPARTMENT)
Anakapalle - 531 002

EXTERNAL EXAMINER

**IMPLEMENTATION OF SINGLE AXEL PARALLEL
HYBRID ELECTRIC VEHICLE USING
MATLAB/SIMULINK**

*A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted by

V.V.S.S.HARI HARAN	17U45A0248
G.REVATHI	17U45A0212
P.GANGADHAR	17U45A0254
G.SHEVA	17U45A0211
K.KIRAN	17U45A0222

Under the Esteemed Guidance of
Mrs. B. AISHWARYA
Assistant Professor, Department of EEE



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU, Kakinada)

NAAC ACCREDITED INSTITUTE

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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

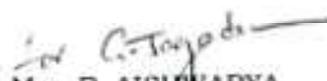
2020



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ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the project report entitled "**IMPLEMENTATION OF SINGLE AXEL PARALLEL HYBRID ELECTRIC VEHICLE USING MATLAB/SIMULINK.**" submitted by **V.V.S.S.HARIHARAN** (17U45A0248) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from **DADI INSTITUTE OF ENGINEERING & TECHNOLOGY** (approved by A.I.C.T.E., New Delhi & Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by him under my guidance and supervision.


Mrs. B. AISHWARYA
Assistant Professor
PROJECT GUIDE


Mr. B. T. Ramakrishna Rao
Associate professor
HEAD OF THE DEPARTMENT

SMART HELMET WITH INTELLIGENT BIKE SYSTEM

*A Project Report Submitted in partial fulfilment of the
Requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

R. Ramya	17U45A0258
P. Ravi Teja	17U45A0255
R. Dinesh Varma	16U41A0208
M. Nanaji	17U45A0230
K. Durga Babu	15U41A0215

Under the Esteemed Guidance of

Mr. CH. RAVI KUMAR, M.Tech

Asst. Professor, Department of EEE



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Institution

**NH-5, Anakapalle - 531002, Visakhapatnam, A.P
2020**



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the Project work entitled " SMART HELMET WITH INTELLIGENT BIKE SYSTEM " is being submitted by R RAMYA (17U45A0258), P RAVI TEJA (17U45A0255), R DINESH VARMA (16U41A0208), M NANAJI (17U45A0230), K DURGA RABU (16U41A0215) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-2020.


Mr. CH. RAVI KUMAR
(ASST. PROFESSOR)
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Mr. B.T. RAMA KRISHNA RAO
(ASSOCIATE PROFESSOR)
(HEAD OF THE DEPARTMENT)
Head of the Department
Electrical & Electronics Engg.
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Anakapalle - 531 002

EXTERNAL EXAMINER

**MODELING AND SIMULATION OF DYNAMIC
VOLTAGE RESTORER (DVR) FOR POWER QUALITY
PROBLEMS**

*A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

K.LALITHA	17U45A0223
S.HARSHA	17U45A0244
D.ATCHUTHA	17U45A0207
B.LOKESH	17U45A0204
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2020



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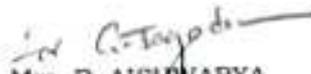
NAAC ACCREDITED INSTITUTE

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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the project report entitled "**IMPLEMENTATION OF SINGLE AXEL PARALLEL HYBRID ELECTRIC VEHICLE USING MATLAB/SIMULINK.**" submitted by V.V.S.S.HARIHARAN (17U45A0248) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi & Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by him under my guidance and supervision.


Mrs. B. AISHWARYA
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Mr. B. T. Ramakrishna Rao
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CERTIFICATE

This is to certify that the Project work entitled "MODELING AND SIMULATION OF DYNAMIC VOLTAGE RESTORER (DVR) FOR POWER QUALITY PROBLEMS" is being submitted by K LALITHA (17U45A0223), D ATCHUTHA (17U45A0207), S HARSHA (17U45A0244), B LOKESH (17U45A0204), P VINAY (17U45A0233) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2019-20.


Sri. K. VIJAY KUMAR, M.E.,(Ph.D)
(ASSOCIATE PROFESSOR)
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Sri B. T. RAMA KRISHNA,
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Head of the Department
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Anakapalle - 531 002

EXTERNAL EXAMINER

MATLAB/SIMULINK BASED INTELLIGENT POWER QUALITY CONDITIONER USING FUZZY LOGIC CONTROLLER

*A project report submitted in partial fulfillment of the requirement for the award of
the **BACHELOR OF TECHNOLOGY** in*

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

18

K.DURGA RAO

17U45A0224

R.GANGADHAR

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17U45A0203

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17U45A0240

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DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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National Highway-16, Anakapalle-531002, Visakhapatnam Dist., A.P.

2020



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(MAA) Accredited Institute)

An ISO 9001:2008 Certified Institution

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Highway-16, Anakapalle-531002, Visakhapatnam Dist., A.P.

CERTIFICATE

This is to certify that the project work entitled "MATLAB/SIMULINK BASED INTELLIGENT POWER QUALITY CONDITIONER USING FUZZY LOGIC CONTROLLER" has been carried out by K.DURGA RAO (17U45A0224), R.GANGADHAR(17U45A0259), B.PAVANKUMAR(17U45A0203), R.GANESWARA RAO (17U45A0240), A.V.AJAY (17U45A0202) Submitted in partial fulfillment of the requirement for the Award of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2019-2020.


Mr. B.T. RAMAKRISHNA RAO

(Associate Professor)

(Project guide)


Mr. B.T. RAMAKRISHNA RAO

(Associate Professor)

(Head of the Department)

Head of the Department
Electrical & Electronics Engg.
Dadi Institute of Engg. & Tech.
Anakapalle - 531 002

External Examiner

MONITORING AND FAULT DETECTION SYSTEM FOR POWER TRANSMISSION USING GSM TECHNOLOGY

A Project Report Submitted in partial fulfilment of the
requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY In ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted By

S.CHARAN	(16U41A0210)
V.MANIKANTA	(17U45A0261)
G.SWATHI	(17U45A0213)
D.M.D.D.PRASAD	(17U45A0208)
S.SURKENDRA RAO	(16U41A0209)

Under the Esteemed guidance of
Mr K.SRINIVASA RAO
Assistant Professor, Department of EES



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY
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MAAC Accredited Institute
ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P
2020

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU, Kakinada)

NAAC ACCREDITED INSTITUTE

ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "**MONITORING AND FAULT DETECTOR SYSTEM FOR POWER TRANSMISSION USING GSM TECHNOLOGY**" is a being submitted by S.CHARAN (16U41A0210), V.MANTIKANTA (17U45A0261), G.SWATHI (17U45A0213), D.M.D.D.PRASAD (17U45A0208), S.SURENDRA BABU (16U41A0209) in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL & ELECTRONICS ENGINEERING** during the academic year 2019-20.



Mr K.SRINIVASA RAO
Assistant Professor

PROJECT GUIDE



Mr.B.T.Rama Krishna Rao
Associate Professor

HEAD OF THE DEPARTMENT

Head of the Department
Electrical & Electronics E
Dadi Institute of Engg. & Tech,
Anakapalle - 531 002

EXTERNAL EXAMINER

**CASCADED H-BRIDGE MULTI LEVEL
INVERTER**

*A Project Report submitted in partial fulfillment of the
requirements for the award of the degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

V. VINAY	17U45A0260
S. LAVANYA	17U45A0246
CH. SAI KUMAR	17U45A0206
S. JANARDHAN	16U41A0204
A. AVINASH	17U45A0253

Under the Esteemed Guidance of

Mr G.JAGADEESH, M.Tech

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DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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NH-5, Anakapalle - 531002, Visakhapatnam, A.P.

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DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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NH-5, Anakapalle - 531002, Visakhapatnam, A.P.



CERTIFICATE

This is to certify that the Project work entitled "**CASCADED H BRIDGE MULTI-LEVEL INVERTER**" is being submitted by V. VINAY(17U45A0260), S.LAVANYA (17U45A0246), CH. SAI KUMAR (17U45A0206), S.JANARDHAN (16U41A0204), A.AVINASH (17U45A0253) in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-2020.


Mr. G. JAGADEESH

(ASST. PROFESSOR)

(PROJECT GUIDE)


Mr. B. T. RAMAKRISHNA RAO

(ASSOC. PROFESSOR)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

DUAL AXIS SOLAR POWER TRACKING USING ARDUINO

**A Project report submitted in partial Fulfilment of the
requirements for the award of Degree of**

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted by

M.MAHESH	17U45A0229
P.PRAVALLIKA	17U45A0234
P.SUDHARSHAN	17U45A0236
N.NAIDU	17U45A0251
K.SAMPATH KUMAR	17U45A0262

Under the Esteemed Guidance of

Mr.D.R.CH.NOOKESH, M.Tech

Assistant Professor, Department of EEE



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-5, Anakapalle-531002, Visakhapatnam, AP.

2020

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ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified
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NH-5, Anakapalle-531002, Visakhapatnam, A.P



CERTIFICATE

This is to certify that the project work entitled **"DUAL AXIS SOLAR POWER TRACKING USING ARDUINO"** is a being submitted by M MAHESH (17U45A0229), P PRAVALLIKA (17U45A0234), P SUDHARSHAN (17U45A0236), N NAIDU (17U45A0251), K SAMPATH KUMAR (17U45A0262) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, from DADI INSTITUTE OF ENGINEERING&TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.


Mr. D. E. CH. NOOKESH
(ASSISTANT PROFESSOR)
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Mr. B. T. RAMAKRISHNA RAO
(ASSISTANT PROFESSOR)
(HEAD OF THE DEPARTMENT)

Head of the Department
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Dadi Institute of Engg. & Tech.
Anakapalle - 531 002

**SIGN TO SPEECH CONVERSION USING ARDUINO FOR
DUMB PEOPLE**

*A Main project report Submitted in partial fulfillment of the requirement For
the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

K.GANGARAM	17U45A0220
K.SOWJANYA	17U45A0215
N.ANANTH KUMAR	17U45A0231
P.SRI HARI BABU	17U45A0239
K.PRASAD	17U45A0219

Under the esteemed guidance of
Mr.J.DELEEP KUMAR. M.Tech
Associate professor of EEE



Department of Electrical & Electronics Engineering

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E ,NAAC Accredited, New Delhi &Affiliated to
JNTU,Kakinada)

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institution

KH-5, APAKAPALLE-531002,Visakhapatnam,Andhra Pradesh
2020

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ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 certified
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SR S, ANAKAPALLE-531002,Visakhapatnam,Andhra Pradesh
5030



CERTIFICATE

This is to certify that the project was entitled SIGN TO SPEECH CONVERSION
USING ARMUINO FOR DUMB PEOPLE is the bonafied work by

K.GANGARAM	17U45A0220
K.SOWJANYA	17U45A0215
N.ANANTH KUMAR	17U45A0231
P.SRIHARI BABU	17U45A0239
K.PRASAD	17U45A0219

During the academic year 2019-2020 in partial fulfillment of the requirement
for the award Bachelor Of Technology in Electrical & Electronics
Engineering (2017-2020) of Jawaharlal Nehru Technological
University,Kakinada


Project Guide
Mr.J.DELEEP KUMAR,M.Tech
Associate professor of EEE


Head Of the Department
Mr.B.T.RamaKrishnaRao,
M.Tech,(PhD)
Associate Professor of EEE

Head of the Department
Electrical & Electronics Engg.
Dadi Institute of Engg. & Tech,
Anakapalle - 531 002

EXTERNAL EXAMINER

**HARMONY ASSESSMENT FOR 9-BUS POWER
SYSTEM UNDER NON LINEAR LOAD USING
STATIC SYNCHRONOUS SERIES COMPENSATOR**

A Project Report

**Submitted in partial fulfillment of the
requirements for the award of the Degree of**

BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

M.JOSHI	17U45A0226
K.KISHORE	17U45A0250
M.VARAPRASAD	17U45A0227
K.VENKATESH	17U45A0256
P.KISHORE	17U45A0237

Under the Esteemed Guidance of

Mr.K.Veda Prakash

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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

2020



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NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "HARMONY ASSESSMENT FOR 9-BUS POWER SYSTEM UNDER NON LINEAR LOAD USING STATIC SYNCHRONOUS SERIES COMPENSATOR" is a being submitted by M. JOSHI (17U45A0226), K.KISHORE (17U45A0250), M. VARAPRASAD (17U45A0227), K.VENKATESH (17U45A0256), P.KISHORE (17U45A0237) in the partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2019-2020


MR. K. VEDA PRAKASH,
Assistant Professor

PROJECT GUIDE


Mr. B.T. RAMA KRISHNA RAO,
Associate Professor

HEAD OF THE DEPARTMENT

Head of the Department
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Anakapalle - 531 002

**POWER QUALITY IMPROVEMENT OF APF FOR
LINEAR AND NON LINEAR LOADS**

*A Thesis
Submitted in partial fulfillment of the requirements
for the awarding of the Degree of*

**BACHELOR OF TECHNOLOGY
in
ELECTRICAL AND ELECTRONICS ENGINEERING**

Submitted by

VENKAT SUDHAR	17046A0040
J.L.RAJESHWAR	17046A0050
A.SURESH	17046A0061
J.SURESH KUMAR	17046A0074
S.VIJAY	18041A0006

Under the guidance of
Mr T. RAMSURI RAO M.Tech.,
Assistant Professor of EEE.



Department Of Electrical & Electronics Engineering
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An ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institute.

RR-5, Anakapalle - 531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the Project work entitled "POWER QUALITY IMPROVEMENT OF APF FOR LINEAR AND NON LINEAR LOADS " is being submitted by SHAIK SHARIF(17U45A0243), J.L.SAI KIRAN (17U45A0252), S.SURESH (17U45A0241), J.GIRI KUMAR (17U45A0214),B.VINAY (15U41A0206) in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-2020.



T.RAMESH BABU
(ASST. PROFESSOR)
(PROJECT GUIDE)



B.T.RAMA KRISHNA RAO
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Head of the Department
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EXTERNAL EXAMINER

SMART HOME USING PIR SENSOR

A Project Report submitted in partial fulfillment for the award of degree of

BACHELOR OF TECHNOLOGY IN ELECTRONICAL AND ELECTERICAL ENGINEERING

Submitted by

ANANDHARAJAN

17EEL00101

SRINIVAS RAO

17EEL00102

SRINIVAS RAO

17EEL00103

SRINIVAS RAO

17EEL00104

SRINIVAS RAO

17EEL00105

Under the Esteemed Guidance of
Mr. A.V.S. LAKSHMI
Assistant Professor, Department of EEE



JSS INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.S.T.E., Affiliated to JSSU, Mysore)
NAAC Accredited Institute
Annapalle/Channarayana - 571002, A.P.
2022



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NAAC Accredited Institute
ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institute
NH-5, Anakapalle, Visakhapatnam-531002, Andhra Pradesh

CERTIFICATE

This is to certify that the project report entitled "**SMART HOME USING FIR SENSOR**" submitted by KARRI SIVA (16U41A0203) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in **Electrical & Electronics Engineering**, from **DADI INSTITUTE OF ENGINEERING & TECHNOLOGY** is a record of bona fide work carried out by them under my guidance and supervision.

Project Guide
Ms. A. V. S. LAKSHMI, M. Tech
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Head of the Department
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Anakapalle - 531 002

IMPLEMENTATION OF ANDROID BASED

MULTIFUNCTIONAL SERVICE ROBOT

**A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY**

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

K. SAI KUMAR	(17U45A0221)
S. GANESH	(17U45A0242)
K. KAVYA	(17U45A0218)
V. MOUNIKA	(16U41A0206)
K. HARI RAMA KRISHNA	(17U45A0217)

Under the Esteemed Guidance of
Smt. A. LAKSHMI DURGA

Asst. Professor, Dept. of EEE



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7A-5, Azekapalle-531002, Visakhapatnam, A.P.

2020



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ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

HE-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "IMPLEMENTATION OF ANDROID BASED MULTIFUNCTIONAL SERVICE ROBOT" is a being submitted by K.SAI KUMAR (17U45A0221) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-20.


Mrs. A. Lakshmi Durga
Assistant Professor
(PROJECT GUIDE)


Mr. B. T. Rama Krishna Rao
Associate Professor
(HEAD OF THE DEPARTMENT)
Head of the Department
Electrical & Electronics Engg.
DADI Institute of Engg. & Tech.
Anakapalle - 531 002

EXTERNAL EXAMINER

GESTURE CONTROLLED ROBOT

*A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of*
BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

K.LAVANYA	(17045A0216)
P.M.TARAJA SWAROOP	(17045A0230)
V.JAYARAM	(17045A0247)
K.ASHWIN KUMAR	(16011A0362)
P.CHANDRA MOULI	(16011A0367)

Under the Esteemed Guidance of

Miss. P.JAGRUTHI

Asst. Professor, Department of EEE



SAAD INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

REG. NO:12008, ISO 14001:2015 & OHSAS 18001:2007 Certified by DITPA

52-E, Anakapalle-531001, "Sakshatparvata", A.P.

2023



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NAAC ACCREDITED INSTITUTE

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NR-5, Anakapalle-531003, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the project work entitled "GESTURE CONTROLLED ROBOT" has been carried out by K.LAVANYA (17U45A0216), P.V.TARAKASWAROUP (17U45A0235), V.JAYARAM (17U45A0247), KASHWIN KUMAR (16U41A0202), and P.CHANDRA MOULI (16U41A0207) Submitted in partial fulfilment of the requirement for the Award of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2019-2020.


MISS.P.JAGRUTHI
(ASST.PROFESSOR)
(PROJECT GUIDE)


Mr. B.T. RAMA KRISHNA RAO
(ASSOC. PROFESSOR)
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

**AN EXPERIMENTAL STUDY ON SELF-HEALING
CONCRETE USING BACILLUS SUBTILIS**

*A Report submitted in partial fulfilment of the requirements for the
award of the Degree of*

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

Submitted by

M.MADHURI -17U45A0127

P. NOOKARAJU - 17U45A0138

U. SONU KUMAR - 16U41A0111

S. JAGADEESH - 17U45A0142

J. YASWANTH - 17U45A0115

Under the Esteemed Guidance of

Mr. K. CHAITANYA *M.Tech.*

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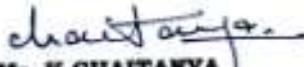
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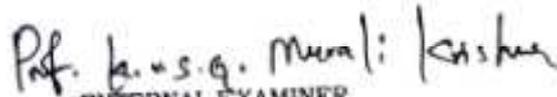


CERTIFICATE

This is to certify that the Project work entitled "**AN EXPERIMENTAL STUDY ON SELF-HEALING CONCRETE USING BACILLUS SUBTILIS**" is an authentic work submitted by M. MADHURI (17U45A0127), P. NOOKARAJU (17U45A0138), U.SONU KUMAR (16U41A0111), S.JAGADEESH (17U45A0142), J.YASWANTH (17U45A0115) in partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in Civil Engineering from Diet College of Engineering during the academic year 2019-2020.


Mr. K. CHAITANYA
(ASSISTANT PROFESSOR)
(PROJECT GUIDE)


Dr. CH. KANNAM NAIDU
(PROFESSOR)
(HEAD OF THE DEPARTMENT)


EXTERNAL EXAMINER

**AN EXPERIMENTAL STUDY ON BEHAVIOUR OF
WARM MIX ASPHALT BY USING ZYCOTHERM**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by

G. Ramya	17U45A0111
S. Gayathri	17U45A0143
G. Gayatri	17U45A0114
S. Jagadeesh	17U45A0146
T. Bhanu Sekhar	17U45A0148

Under the Esteemed Guidance of
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Assistant Professor,
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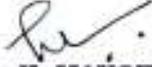
(2016-2020)



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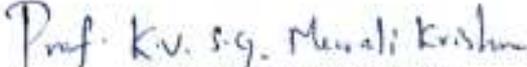
CERTIFICATE

This is to certify that the Project work entitled "**AN EXPERIMENTAL STUDY ON BEHAVIOUR OF WARM MIX ASPHALT BY USING ZYCOTHERM**" is a bonafied work done by G. RAMYA (17U45A0111), G. GAYATHRI (17U45A0143), G.GAYATRI (17U45A0114), S. JAGADEESH (17U45A0146), T. BHANUSEKHAR (17U45A0148) in partial fulfilment of the curriculum of **BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING** During the academic year 2019-2020.


Mrs. K. MANOHARINI, M. TECH,
(ASSISTANT PROFESSOR)

PROJECT GUIDE


Dr. CH. KANNAM NAIDU
(PROFESSOR)
HEAD OF THE DEPARTMENT


EXTERNAL EXAMINER

**STRENGTHENING AND COMPARATIVE STUDY OF RC
BEAMS USING GFRP WITH VARIOUS LAYERS**

*A Project Report submitted in partial fulfilment of the requirements
for the award of the Degree of*

**BACHELOR OF TECHNOLOGY
IN
CIVIL ENGINEERING**

Submitted by

J. S. N. D. BHAVANI	17U45A0116
M. VENKATA RAMANA	17U45A0131
M. KISHORE	17U45A0129
D. RAM CHANDU	17U45A0109
S. I. N. PHANEENDRA	16U41A0112

Under the Esteemed Guidance of

Mr B. SUDHEER KUMAR M.Tech, MISTE

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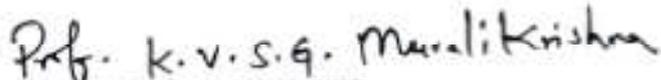


CERTIFICATE

This is to certify that the Project work entitled "**Strengthening and Comparative Study of RC Beams Using GFRP with Various Layers**" is a bonafide work done by J. S. N. D. BHAVANI (17U45A0116), M. VENKATA RAMANA (17U45A0131), M. KISHORE (17U45A0129), D. RAM CHANDU (17U45A0109), S. I. N. PHANEENDRA (16U41A0112) in partial fulfillment of the curriculum of **Bachelor of Technology In Civil Engineering** During the academic year 2019-2020.


Mr B. SUDHEER KUMAR
(Asst. Professor)
(PROJECT GUIDE)


Dr CH. KANNAM NAIDU
(Professor)
(HEAD OF THE DEPARTMENT)


EXTERNAL EXAMINER

**AN EXPERIMENTAL STUDY ON COST REDUCTION OF
BUILDING BY USING HOLLOW PANEL BOARDS**

*Report submitted in partial fulfillment of the requirements for the
award of the Degree of*

**BACHELOR OF TECHNOLOGY
in
CIVIL ENGINEERING**

18

Submitted by

K.ROHINI RENUKA	(17U45A0123)
P.PARAMESWARI	(16U41A0108)
B.RAVI CHINNA	(17U45A0102)
K.RAJESH	(17U45A0122)
K.ANIL KUMAR	(16U41A0106)

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CERTIFICATE

This is to certify that the Project work entitled "**EXPERIMENTAL STUDY ON COST REDUCTION OF BUILDINGS BY USING HOLLOW PANEL BOARDS**" is being submitted by K.ROHINI RENUKA (17U45A0123), P.PARAMESWARI (16U41A0108), B.RAVICHENNA (17U45A0102), K.RAJESH (17U45A0122), KANIL KUMAR (16U41A0106) in partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in civil Engineering from Diet College of Engineering during the academic year 2019-2020.

Mr. N. RAMU

(ASSISTANT PROFESSOR)

(PROJECT GUIDE)



Dr. CH. KANHAM NAIDU

(PROFESSOR)

(HEAD OF THE DEPARTMENT)

Prof. K. V. S. G. Murali Krishna
EXTERNAL EXAMINER

**IMPROVING THE PROPERTIES OF AUTOCLAVED
AERATED BLOCKS BY ADDITION OF GLASS
FIBER**

**A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of**

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

Submitted by

G. Nandini Priya	17U45A0113
S. SitaRam	17U45A0144
B.Tharun	17U45A0105
L.Anantha Babu	17U45A0124
A. Baba Ajay	17U45A0101

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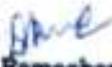
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the project work entitled "IMPROVING THE PROPERTIES OF AUTOCLAVED AERATED BLOCKS BY ADDITION OF GLASS FIBER" is being submitted by:

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S. SITARAM	(17U45A0144)
B. TARUN	(17U45A0105)
L. ANANTHA BABU	(17U45A0124)
A. BABA AJAY	(17U45A0101)

in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2019-20.


Mr. D.A. Ramacharyulu

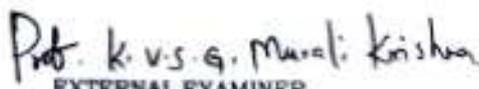
(Assistant Professor)

(PROJECT GUIDE)


Dr. Ch. Kannam Naidu

(Professor)

(HEAD OF THE DEPARTMENT)


Prof. K.V.S.G. Marali Krishna
EXTERNAL EXAMINER

**AN EXPERIMENTAL STUDY ON REPLACEMENT FOR
AGGREGATE WITH E-WASTE AND SLAG IN
CONCRETE**

*A Report submitted in partial fulfilment of the requirements for the
award of the Degree of*

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

Submitted by

M.GOVIND KRISHNA	17U45A0130
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J. VANI	17U45A0117
P.GEETHANJALI	16U41A0116

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Department of civil Engineering



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.
2016-2020

**DEVELOPMENT OF DESIGN CHARTS FOR THE
IRREGULAR SLABS PATTERN**

**A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY**

**IN
CIVIL ENGINEERING**

Submitted by

M. CHAKRAVARTHI	17U45A0126
B. HEMANTH KUMAR	17U45A0103
K. RAVI TEJA	17U45A0120
G. ASIRI NAIDU	17U45A0112
P.SURYA NARAYANA	17U45A0139

Under the Esteemed Guidance of
Mr. D.V.Shanmukesh M.E.,(Ph.D)
Assistant Professor, Department of civil engineering



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Institution

NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "DEVELOPMENT OF DESIGN CHARTS FOR THE IRREGULAR SLAB PATTERN" is a being submitted by **M.CHAKRAVARTHI** (17U45A0126), **B.HEMANTH KUMAR** (17U45A0103), **K.RAVI TEJA** (17U45A0120), **G.ASIRI NAIDU** (17U45A0112), **P.SURYA NARAYANA** (17U45A0139) in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for **CIVIL ENGINEERING** during the academic year 2016-2020.

Mr.D.V.Shanmukesh M.E.,(Ph.D)

(ASSISTANT PROFESSOR)

(PROJECT GUIDE)

Dr.Ch.Kannam Kaidu

(PROFESSOR)

(HEAD OF THE DEPARTMENT)

Prof. K. V. S. G. Murali Krishna
EXTERNAL EXAMINER

**STRENGTHENING OF CLAYEY SOILS BY USING
GEOGRIDS**

*A Project Report submitted in partial fulfillment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by

K. SANKAR SAI	17U45A0101
S. DURGA PRASAD	17U45A0141
S. JYOTHI	17U45A0147
K. SAMPATH KUMAR	17U45A0110
K. NARESH	16U41A0107

Under the Esteemed Guidance of

Mrs. P. LAVANYA

Assistant Professor, Department of Civil



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NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work "**AN EXPERIMENTAL STUDY ON STRENGTHENING OF CLAYEY SOILS BY USING GEOGRIDS**" is being submitted by K. SANKAR SAI (17U45A0121), S.DUGRA PRASAD (17U45A0141), S.JYOTHI (17U45A0147), K.SAMPATH KUMAR (17U45A0119), K.NARESH (16U41A0107) in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING** during the academic year 2019-2020.

Mrs. P. LAVANYA

(ASSISTANT PROFESSOR)

(PROJECT GUIDE)

Dr. CH.KANNAM NAIDU

(PROFESSOR)

(HEAD OF THE DEPARTMENT)

Prof. K. V. S. S. Marali Krishna

EXTERNAL EXAMINER

**EXPERIMENTAL STUDY ON LIGHT
TRANSMITTED CONCRETE**

*A project report submitted in partial fulfillment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by

P. HARIKA	17U45A0135
CH. JAGADISH LOVA SAI RAM	17U45A0108
K. KARTHIK	17U45A0118
P. SATEESH	17U45A0140
P. ARUN KUMAR	16U41A0109

Under the Esteemed Guidance of

Mr. M.R.V.S.G.GUPTHA

Assistant Professor, Department of CIVIL



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18001:2007 Certified Institution

NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the project report entitled,
**"EXPERIMENTAL STUDY ON LIGHT TRANSMITTED
CONCRETE"** is being Submitted by P. HARIKA, CH. JAGADISH
LOVA SAI RAM, K. KARTHIK, P. SATEESH, P. ARUN KUMAR. In
partial fulfilment of the requirement for the award of the degree
of **BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING**
during the academic year 2019-2020.

M. Guptha
Mr. M.R.V.S.G.GUPTHA
(Assistant Professor)
(PROJECT GUIDE)

Dr. Ch. Kannam Naidu
Dr. CH.KANNAM NAIDU
(Professor)
(HEAD OF CIVIL DEPARTMENT)

Prof. K.V.S.G. Murali Krishna
EXTERNAL EXAMINER

**STORM WATER RUNOFF MANAGEMENT BY
USING PERVIOUS PAVEMENT**

*A Project Report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by

M.ANURADHA LAKSHMI	17U45A0125
CH.AMUKTHA MALYADA	16U41A0102
P.YAMINI SWETHA	17U45A0137
T.GANESH	17U45A0149
B.SANKAR	16U41A0101

Under the Esteemed Guidance of

Mr. D.V. SHANMUKESH M.Tech, (Ph.D)

Assistant Professor, Department of CIVIL



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NH-16, Anakapalle-531002, Visakhapatnam, A.P.
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NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "**STORM WATER RUNOFF MANAGEMENT BY USING PERVIOUS PAVEMENT**" is being submitted by M.ANURADHA LAKSHMI (17U45A0125), CH. AMUKTHA MALYADA (16U41A0102), P. YAMINI SWETHA(17U45A0137), T. GANESH(17U45A0149), B. SANKAR(16U41A0101) in partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in Civil Engineering during the academic year 2019-20.

Mr. D. V. SHANMUKESH M.Tech, (Ph.D)
(ASSISTANT PROFESSOR)
(PROJECT GUIDE)

Dr. CH. KANNAM NAIDU
(PROFESSOR)
(HEAD OF THE DEPARTMENT)

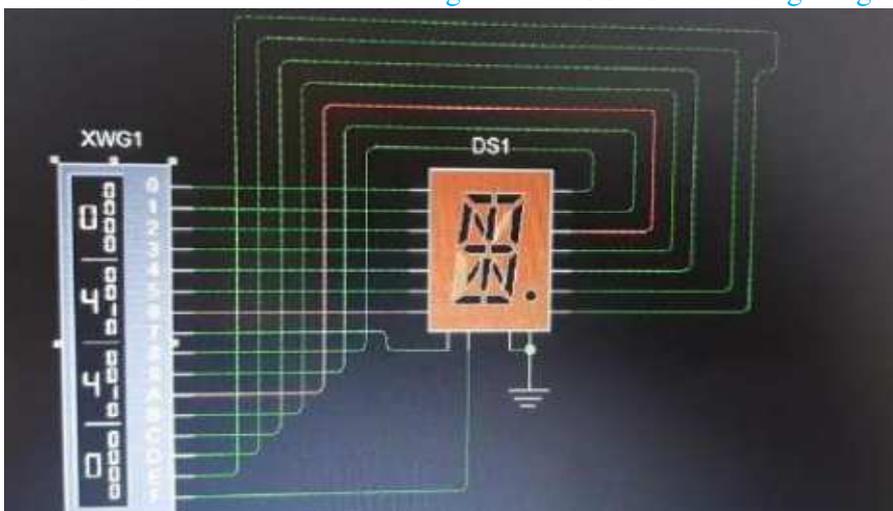
Prof. k.v.s.g. Murali Krishna
EXTERNAL EXAMINER

Six Day Workshop on PCB Design

The department of Electronics & Communication Engineering of DIET, in association with Andhra Pradesh State Skill Development Corporation (APSSDC) has organized a Six day workshop on “ PCB DESIGN ” for II B.Tech. ECE Students during 16-09-2019 to 21-09-2019. The main aim of workshop was to develop the practical knowledge of students in advanced PCB software’s and to design the multiple circuits .The workshop was aimed to provide knowledge about complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment. Mr.B.Suresh Kumar Electronics Engineer- APSSDC and Mr.Ch.Santhosh, Electronics Engineer-APSSDC who were the resource persons for the workshop have given detailed introduction for online simulation by using Easy EDA software and how to simulate and test the circuits and also about the design of 16 segment display by using Easy EDA software.



Mr.B.Suresh Kumar Electronics Engineer- APSSDC addressing the gathering



Student Designed 16 segment display by using Easy EDA Software

All the 93 participants effectively utilized the workshop and learned about PCB related software for designing different electronic circuits. They were able to design circuits by using live wire software, PCB wizard software and Easy EDA software.



Mr.Raja Rao HOD ECE dept addressing the students

Student Solar Ambassador Workshop

IEEE SB in association with IIT Bombay organized this workshop on 1st & 2nd October, 2019 to enlighten the students about solar energy and how it can be utilized in our day to day lives. A certified trainer for this global event, Mr. D. R. Ch. Nookesh, Asst. Prof., EEE explained steps to be followed during solar lamp assembly through a seminar presentation.



Mr.Ch. Nookesh explaining concepts to students

Later all students were given solar lamp kits which they have to assemble on their own. And next students were taken to the laboratory where they worked out and assembled their solar lamps. Once the assembling was done solar panels were kept under the sun for charging the solar lamp meanwhile Asst professor of DIET Mr. Ch. Nookesh explained to the students how the electricity is being generated from sun.



Students practicing on solar kits

After briefing session, hands on training was provided at EM Lab where soldering work was done for all lamps by each student & complete assembly was carried out.



SIX DAY Workshop on ASSOCIATE CLOUD ARCHITECT

In pursuit of excellence in technical education Dadi Institute of Engineering & Technology, Visakhapatnam in association with Andhra Pradesh State Skill Development Corporation organized a six day Workshop for the Third Year B.Tech. CSE Students on Associate Cloud Architect from 19th August to 26th August 2019. The Workshop aimed at enhancing and strengthening the skills among the students on Cloud Technologies and providing them hands on exposure on Cloud Fundamentals. As everyone knows that Cloud Technology is playing an important role in current World, Students have a wide scope of opportunities in the Cloud Technology.



Trainers from APSSDC Sri Ch.Gopiraju, V.Anil Kumar, J .Lova Babu, V.Rupesh kumar have trained the students and made them to master in cloud computing .Chairman Sri Dadi Ratnakar and Principal Dr.Ch.S.Naga Prasad who were present for the valedictory of the workshop have expressed that one needs to update oneself with the latest trends of technology for their survival.



A One Week Workshop On “REVIT STRUCTURE”

In its pursuit of excellence in technical education the Dept of Civil Engineering of Dadi Institute of Engineering & Technology, Visakhapatnam in association with Andhra Pradesh State Soft Skills Development organized One Week Workshop for the Third Year students of Department of Civil Engineering on Revit Architecture from 26th Aug to 31st Aug, 2019. The Workshop aims to enhance and strengthen the skills among the students in the Building Planning in the field of Civil Engineering. As the existing syllabus doesn't cater the present technologies on Civil Engineering stream, the Department organized the workshop to provide basic knowledge on Revit Architecture.



Heads of other Departments of the College, faculty members and Students participated in the Valedictory Session. APSSDC Trainers Ms. S.Kanya Kumari and S.N.V.S Prasanna Kumar explained the basics of Revit Architecture to the participants and also explained the advantages of using the software. They also demonstrated the practical applications in designing. The students could build many models by using the application during the workshop. The students were applauded for their active participation in the workshop on all the six days. Principal Dr.Ch.S Naga Prasad who was present as chief guest for the inaugural and valedictory has conveyed that adopting the new technologies will always help the technocrats to work on their assignments with much ease and at rapid pace. Mr.N.Ramu, HoD, Dept. of Civil Engineering, and Convener of the Workshop Trainers from APSSDC, All the Heads of other Departments of the College, faculty members and Students participated in the Valedictory Session.

Two day workshop on Internet of Things

DIET Innovation & Incubation, has organized two day IOT workshop in association with ISTE and INV Technologies, Visakhapatnam on 4th and 5th of March 2020. INV technologies holds a remarkable place in IT serves AR, VR and MR - Innovations and a leading organization in the field of Industrial Embedded Systems, Security Systems, Virtual Reality, Augmented Reality, Mixed Reality and Robotics currently focusses on virtual environmental protocols. Technologies team members Chandra Sekhar . L(C.E.O), Maheshwer. L, Vijay .S, Srinu.K, Kalyan.N graced the event and delivered content with live application demonstration. All the first year budding engineers participated in the workshop and could gain knowledge on fundamentals of Internet of Things. The students were able to develop minor projects included in the curriculum of first year B.Tech. The objective of workshop was to create and develop innovative thinking in the students and motivate them towards startups.



SIX DAY Workshop on PYTHON PROGRAMMING

In pursuit of excellence in technical education Dadi Institutemof engineering and technoloy Visakhapatnam in association with Andhra Pradesh State Skill Development Corporation organized a six day Workshop for the Second Year B.Tech. Students of Department Computer Science & Engineering on Python programming during 3rd February to 8th February, 2020. The Workshop aimed at enhancing and strengthening the skills among the students on Python. In order to give hands on based exposure on Python, these workshop About 110 student participants attended the workshop and were very much satisfied with the workshop. Principal Dr. Naga Prasad and HOD of CSE Dr. L. Prasanna Kumar graced the inaugural anf valedictory of the workshop and advised the students to update on the latest technologies. have organized for six days in Association with APSSDC. As everyone knows that python Programming plays an important role in present world, which is on full demand and there are lot of study, works and m project works going on this concept. Students have a wide scope of opportunities in the area. The Trainers From APSSDC, Mr. K.Chaitanya, Mr. K.Appa Rao Swamy, Miss. R.Sirisha, Miss. P.Lavanya were the resource persons. About 110 student participants attended the workshop and were very much satisfied with the workshop. Principal Dr. Naga Prasad and HOD of CSE Dr. L. Prasanna Kumar graced the inaugural and valedictory of the workshop and advised the students to update on the latest technologies.



Interactive session on "Digital Banking Reforms in India"

Sri RVG Kulkarni, Senior Vice President, HDFC BANK, delivered a talk on digital banking influence on customers, types of assets in banking sectors, types of loans provided to the customers, Rural banking facilities and also he guided the students on how to aspire for competitive exams, Civil services & Foreign education in Reputed Universities. Mr. Kulkarni briefed about various exams which student could write during their studies. Also explained about the career in the banking industry and the growth cycle.



Guest Lecture on “Recent Trends in Electronics and Communication Engineering”.

A Guest lecture was organized by the Department of ECE on 12th December by JBTU-VZM Professor Dr Ch. Srinivasa Rao. He emphasized the need to enhance and strengthen the skills in Biomedical signal processing. Further, students were briefed on Clocking and Signal Routing, system properties in terms of impulse response, step response in terms of impulse response, Multirate and Wavelet Signal Processing Fourier Representation of Periodic Signals, CTFS and DTFS, definition, properties (No derivation) and basic problems, Z-transform, properties of the Region of convergence during his lecture.



Faraday Memorial Lecture (FML) – 2k19

in association with DIET IEEE Student Branch organized a Guest lecture by Dr Abraham Varghese, Scientist G, NSTL, DRDO, Past Chair, IEEE Vizag Bay Sub Section on 21st September, 2019. More than 295 students participated in the event. Dr Abraham Varghese elucidated the students on how Interconnection Technology is the vital link between the varying electronic components in all the devices to encounter huge levels of stress for developing suitable technology solutions. Moreover, he emphasized the use of components which may not carry full MIL specification and its associated price tag, including COTS, CECC parts or AEC-Q200 parts with additional testing.



World Class Construction Practices of Indian Railways

Mr. Rajakumar Pinninti, QA/QC Civil Engineer of Ghana Railway line Project from AFCONS PVT LTD. has delivered a guest lecture on “world class construction practices of Indian railways” and career guidelines for students of IV & III year. He shared his experience while doing job at site works. He explained clearly about, the difference between theory, practical and reality in civil construction site. He explained the scope and importance of Infrastructure and conveyed the scope of Soil and Railway projects in entire world.



An Interactive Session by Canadian Professor on Machine Learning and Target Tracking Information Fusion

An interactive session on Machine learning and target tracking fusion was organized by the management of Dadi Institute of Engineering and Technology for its faculty. Chairman Dadi Ratnakar conveyed that DIET has initiated a series of interactive sessions both for students and faculty to help them to be in touch with the latest advancements in various areas of technology. He expressed that Prof. Kiruburajan has given insights on various topics where the international research is on and asked the faculty to work on those areas. The speaker Prof. T. Kirubarajan from McMaster University, Canada interacted with the faculty of Electronics and Computer science and has given insights on various subjects like Multisensor-multitarget tracking, estimation theory, information fusion, sensor resource management, radar/sonar/image/ signal processing, fault diagnosis/detection. He opined that the future of research would be in the above cited areas and advised the faculty to carry on quality research and help in developing new theories. Dr.P.Srihari ,Asst Prof NIT Suratkal who was present as guest had provided the faculty members the information on how to apply for quality research projects in the government sector.



Technical competition: DIET DAKSHAK -2020

Dadi Institute of Engineering and Technology in association with all the professional bodies in DIET (IEEE, CSI, IETE, IE(I), ISTE etc..) hosted a two day National level Technical fest on 3rd-4th January 2020 with over 400 registered and 200 non registered participants from around 8 Engineering and Diploma Colleges across Vizag. Chief Guest for Inaugural function on 3rd Jan 2020 was Sri K K Ghosh, Director (Projects) - RINL, Steel Plant and Vice Chair for CSI Vizag chapter who emphasized on the need for bridging the gap between academics and industry needs and Guest of honour, Sri Ashok Nath Biswal, DGM (IT & ERP) gave an insight on how to transform our raw engineering brains in to employable material with self sustainable technical excellence.



Later, the guests interacted with students of each stall upon inaugurating them and spent considerable time with students who presented exciting Models and posters with enthusiasm. Paper presentation competitions for all branches took place in 5 sessions in these two days along with IEEE spectrum talks, technical quiz, Tech Treasure hunt, circuit challenge, building plans with AutoCAD, supreme surveyor, component identification and many more fun events.



This Vibrant Tech Fest was concluded by prize distribution to all the winners of above mentioned events by Chief Guest of the th Valedictory function on 4 January, 2020. Captain S.Chandran, Principal Inspector of Naval Armament, NSTL, DRDO, Vizag who also gave an inspiring message to students to be choosy in every point of their lives in whatever path they take to build a career, that should not only benefit them but also contribute to the nation.

IEEE Xtreme 13.0

DIET IEEE Xtreme 13.0 Student Branch has participated in a twenty four hour Global Programming competition held worldwide on 19th and 20th October, 2019 with thirty seven teams (i.e) one hundred and three participants accompanied by five Proctors was recorded as the highest number of teams in the entire Student Branches of Vizag Bay Sub Section and Hyderabad Section. At this juncture, IEEE Headquarters, USA provided a common question paper for this marathon coding competition. Besides, for every hour, a challenging new question was released which was programmed by around 4000 registered teams (two or three members) across the globe.



Mobile App Development Contest MADC

DIET IEEE Student Branch conducted an Awareness session to registered IEEE Members by D.Venkatesh. The Ambassador of MDC (Mobile Application Development Contest), a global IEEE Event which is conducted worldwide to initiate innovative ideas from students to design and develop new mobile applications either individually or with a team of three members in categories like books business education, Entertainment, Finance, Food and drink, Games, Health and fitness, Lifestyle, Magazines and newspapers, Medical, Music, Navigation, News, Photos and videos, Productivity, Reference, Shopping, Social Networking, Sports, Stickers, Travel, Utilities, Weather, Game category, Action, Adventure, Arcade Board, Card ,Casino, Family, Music, Puzzle, Racing, Role playing, Simulation, Sports, Strategy, Trivia, Word etc., Participants will be given a time span to submit these ideas and those shortlisted will be allowed to develop the app in the next stage of contest for exciting IEEE prizes.



App development session

Awareness programme on HIV/Aids

A massive rally by NSS volunteers was taken up on 1st December, 2019. They created awareness among people about AIDS and HIV positive by raising slogans, carrying placards and banners from the college campus to Y Junction. Chairman Sri Dadi Ratnakar congratulated the volunteers for taking up rally to educate the public about the danger of HIV positive and he said that one needs to prevent the diseases by adhering to precautionary measures.



Students creating awareness on HIV virus

Human Rights awareness programme

NSS UNIT organized Human rights awareness session on 10 December, 2019 by inviting senior advocate of Anakapalli court Sri P.Srinivas Patnaik. He has clearly explained to the students present about the rights every human is entitled and about the laws that protect them. He said that no one has the right to ill treat the fellow humans.



Senior advocate of Anakapalli court Sri P.Srinivas Patnaik interacting with students

Essay Writing on Mahatama Gandhi

NSS unit conducted essay writing competition for both diploma and B.Tech. students on the topic Gandhi and his experiments with truth. About 300 students participated and have given vivid picture of relevance of truth in ones life by quoting the success story of Mahatama Gandhi.



Students participating in essay writing competition

Awareness programme on Indian constitution on 70th Constitution Day

On 26th November, 2020 NSS unit observed the 70th National Constitution Day, Sri J. V .V. Satyanaryana Murthy 2nd Additional Junior Judge cum 12th Metropolitan Magistrate, Anakapalli graced the event as Chief Guest .He has enlightened the students about the constitution and the provisions it has provided for the citizens for leading a peaceful and secured life.



J.V.V.Satyanaryana Murthy 2nd Additional Junior Judge addressing students

Rain Water harvesting Campaign and awareness programme

Rain water harvesting campaign was organized by NSS unit on 28th June,2019.Principal Dr. Ch. S. Naga Prasad addressed the students about the importance of rain water harvesting. Fresh water sources are becoming scarce with the passage of time. Reports of several global agencies, including United Nations, indicate that if the current situation of water does not change and preventive measures are not taken, then world will start to run out of fresh water by 2050.



Experiential learning:



Students learning concepts through machinery



Students learning through survey



programming sessions in computer lab



Students Improving their listening skills in English lab





Experiential learning

Participative learning



Student seminars conducted to improve their communication and technical skills



Student role play and peer discussion



Students role play peer discussion



Student role play: technical interviews by fellow students



Student group discussions



Student group discussions



Student technical interview


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