

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**  
**KADAPA – 516 003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the project work entitled, **“AXIAL COMPRESSION BEHAVIOR OF CFRP CONFINED CONCRETE”**, done by **Shaik Muhammad Aatif (199Y1A0156)**, **Shaik Imran (199Y1A0153)**, **Shaik Baba Vazeeru (199Y1A0151)**, **Shaik Aswak (199Y1A0150)**, **Syed Mohammed Noumaan (169Y1A0186)**, submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

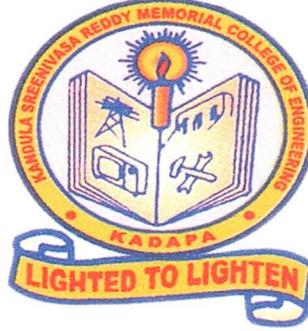
Signature of the Supervisor  
**K. Hemanth Kumar Reddy**, M.Tech,(Ph.D)  
Asst. professor.

Signature of the Head of the Department  
**Dr. N. Amaranatha Reddy**, M.E, Ph.D  
Assoc. Professor and Head.

Signature of External Examiner 20/8/2023

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Certified that this is a bonafide record of the dissertation work entitled, **“EXPERIMENTAL STUDY OF DURABLE PROPERTIES OF GEO POLYMER CONCRETE EXPOSING WITH MARINE WATER”**, done by **K.GURU VINOD (209Y5A0129), C.N. VENKATA THARUN KUMAR (209Y5A0113), J.VENKATA SAI PRASANNA (209Y5A0126), V. SREENIVASULU (199Y1A169)** bearing submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

**Signature of the Supervisor**  
Sri. G. Chennakeshava Reddy, M.Tech.,  
(Ph.D).  
Asst. Professor

**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

**Signature of the Examiner**

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**CERTIFICATE**

Certified that this is a bonafide record of the project work entitled, “**MECHANICAL PROPERTIES OF GEOPOLYMER CONCRETE WHEN EXPOSED TO MARINE WATER**”, done by **JANAPATI VENKATA SAI (199Y1A0116)**, **MORAM YAGNA PRIYA (199Y1A0127)**, **GAJULA MAHAMAD JAVID (199Y1A0110)**, **GIDDALURU SUNEEL (199Y1A0112)**, **CHITTIBOYINA CHANDRAKANTH (189Y5A0119)** submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

**Signature of the Supervisor**

G. Chenna Kesava Reddy, M.Tech., (Ph.D.)  
Assistant Professor

**Signature of Head of the Department**

Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

**Signature of the Examiner**

20/6/2023

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS),**

**KADAPA – 516003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, **“IMPLEMENTATION OF COMMUNITY DRIP IRRIGATION SYSTEM IN LIFT IRRIGATION PROJECT”**, done by **A. SUPRAJA (209Y5A0101), G.V. CHANDANA (209Y5A0123), A.MAHESH (209Y5A0102), B. SURENDRA (209Y5A0104)** submitted to the Department of Civil Engineering, inpartial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

**Signature of the Supervisor**  
Dr. T. Kiran kumar, M.Tech., Ph.D.  
Professor

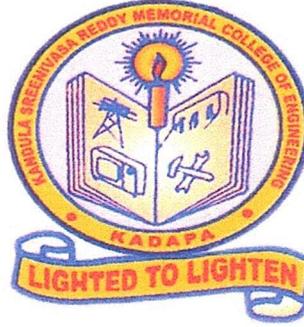
**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

**Signature of the Examiner**

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KADAPA**

**KADAPA - 516 003**

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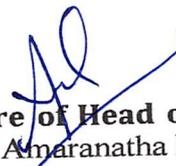


**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, "**STORM WATER DRAINAGE DESIGN SYSTEM IN KADAPA**", done by **S.NAGARJUNA, L.VEERA SAI KUMAR REDDY, N.SESHASAI, P.ALIABBAS** bearing Roll. No: **(199Y1A0149, 199Y1A0123, 199Y1A0132, 199Y1A0134)** submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

  
**Signature of the Supervisor**

Dr. T. Kiran kumar M.Tech.,  
Ph.D. Professor

  
**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

  
**Signature Of The External Examiner** 20/08/2023

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**KADAPA - 516003**

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**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, "**Quantity Estimation of G+5 Building using Autodesk REVIT Software**", done by **U.VENKATA TEJA (209Y5A0179)**, **Y.NAGA MAHENDRA (209Y5A0189)**, **G.SANTHOSH (209Y5A0122)** submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

**Signature of the Supervisor**  
Dr. B. Sudheer Kumar Reddy , M.Tech., Ph.D.  
Assoc. Professor

**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

**Signature of the Examiner**

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**CERTIFICATE**

Certified that this is a bonafide record of the project work entitled, “**MULTI SPECTRAL ANALYSIS OF BUILDING MATERIALS**”, done by **M. SNEHA (209Y5A0142)**, **V. SAI KUMAR (209Y5A0183)**, **P. OBULESU (209Y5A0166)** submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K.S.R.M College of Engineering (Autonomous), Kadapa.

Signature of the Supervisor  
**M.C Venkatasubbaiah, M. Tech (Ph. D)**  
Assistant Professor

Signature of the Head of the Department  
**Dr.N. Amaranatha Reddy, M.Tech. (Ph. D)**  
Associate Professor & Head

Signature of External Examiner

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS)  
KADAPA - 516 003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, "**STABILIZATION OF CLAY SOIL BY USING GROUNDNUT SHELL ASH**", done by **R. MABUJAN (209Y5A0168)**, **M. HARIKRISHNA (209Y5A0148)**, **L. DWARAKANATH REDDY (209Y5A0137)**, **R. DIVYASREE (209Y5A0167)**, submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from KSRM College of Engineering (Autonomous), Kadapa.

*V.Ven*  
**Signature of the Supervisor**  
Sri V. V Prasad, M. Tech  
Assistant Professor

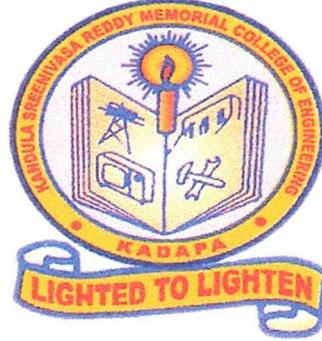
*NAR*  
**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D  
Assoc. Professor & HEAD

*MSS*  
**Signature of the Examiner**

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**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, “**PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH FRP WASTE IN COCNRETE**”, done by **M. GANESH (209Y5A0143), S. DEEPAK (209Y5A0169), U. VINOD KUMAR (209Y5A0180), V. VENKATARAMANA (209Y5A0182), V. SAI KRISHNA JAYANTH (209Y5A0185)** submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

*V. Ramesh Babu*  
Signature of the Supervisor

Dr. V. Ramesh babu, M.Tech., Ph.D.  
Associate Professor

*N. Amaranatha Reddy*  
Signature of Head of the Department

Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Associate Professor & HEAD

*M. S. S.*  
Signature of the Examiner

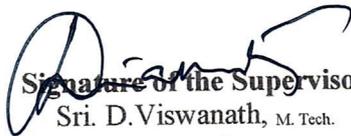
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Certified that this is a bonafide record of the project work entitled, “**RECYCLE OF E-WASTE IN CONCRETE BY PARTIAL REPLACEMENT OF COARSE AGGREGATE**”, done **S. SOHAIL** (209Y5A0174), **N. SUNEEL KUMAR** (209Y5A0150), **P. PAVAN** (209Y5A0163) submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from KSRM College of Engineering (Autonomous), Kadapa.

  
Signature of the Supervisor  
Sri. D. Viswanath, M. Tech.  
Asst. Professor

  
Signature of the Head of the Department  
Dr. N. Amarnatha Reddy, M. Tech, Ph.D.  
Assoc. Professor & Head

  
Signature of External Examiner

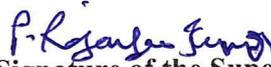
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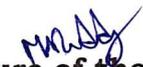


**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, "**PERVIOUS CONCRETE USING PARTIAL REPLACEMENT OF GGBS(GROUND GRANUALATED BLAST-FURNACE SLAG)**", done by **PASAM OBULA REDDY (209Y5A0158)**, **MAMILLA VENKATA SAI (209Y5A0140)**, **PESALA AJAY KUMAR (209Y5A0159)**, **SHAIK MOHAMMAD ABBAS (209Y5A0172)**, **THAMMIREDDY PARTHASARATHI REDDY (209Y5A0176)** submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

  
Signature of the Supervisor  
P. Rajendra Kumar, M.Tech,(Ph.D.)  
Asst. Professor

  
Signature of Head of the Department  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

  
Signature of the Examiner

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS),**

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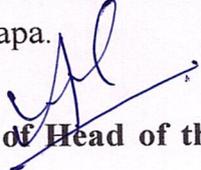


**CERTIFICATE**

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Signature of the Supervisor

Dr. P. Kishore Kumar Reddy, M.Tech., Ph.D  
Associate Professor

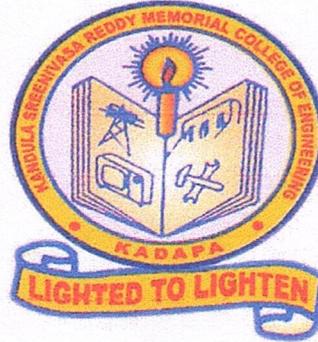
  
Signature of Head of the Department

Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

  
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Signature of the Supervisor  
**K. Hemanth Kumar Reddy**, M.Tech,(Ph.D)  
Asst. professor.

Signature of the Head of the Department  
**Dr. N. Amaranatha Reddy**, M.E, Ph.D  
Assoc. Professor and Head.

Signature of External Examiner

20/07/2023

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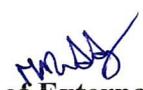


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**Signature of the Supervisor**  
Sri. Y. Dasthagir, M.Tech.  
Asst. Professor

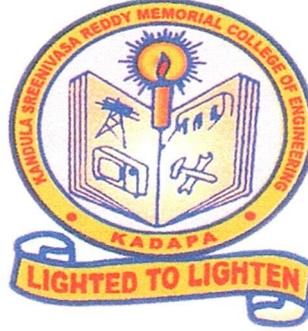
  
**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Associate Professor & HEAD

  
**Signature of External Examiner**

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**

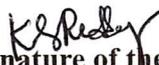
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**Signature of the Supervisor**  
K. Sudhakar Reddy, M.Tech., (Ph. D)  
Asst. Professor

  
**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

  
**Signature of the Examiner**

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**  
**KADAPA – 516 003**

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**CERTIFICATE**

Certified that this is a bonafide record of the project work entitled, “**EXPERIMENTAL INVESTIGATION ON CONCRETE BY PARTIAL REPLACEMENT OF GLASS POWDER WITH CEMENT**”, done by **M. JITHENDRA REDDY (209Y5A0147)**, **M. VENKATA SIVA (209Y5A0141)**, **V. JAGAN MOHAN REDDY (209Y5A0184)**, **Y. HEMADRI (209Y5A0187)**, & **P. SAI PALLAVI (209Y5A0165)** submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from KSRM College of Engineering (Autonomous), Kadapa.

  
**Signature of the Supervisor**  
Sri. P. Suresh Praveen Kumar, M. Tech, (Ph.D.)  
Asst. Professor

  
**Signature of the Head of the Department**  
Dr. N. Amarnatha Reddy, M. Tech, Ph.D.  
Assoc. Professor & Head

  
**Signature of External Examiner**

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**

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Certified that this is a bonafide record of the project work entitled, “**EXPERIMENTAL STUDY ON STABILIZATION OF LOW STRENGTH SOILS USING PHOSPHOGYPSUM**”, done by **P. RAMAKUMAR (209Y5A0157)**, **M. V. JAGADEESHWAR REDDY (209Y5A0145)**, **V. MADHAVA REDDY (209Y5A0186)**, **P. NARENDRA REDDY (209Y5A0162)**, **M. SUDHEER KUMAR (209Y5A0144)** submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

**Signature of the Supervisor**  
Sri. P. Pavan Kumar, M. Tech.,  
Asst. Professor

**Signature of the Head of the Department**  
Dr. N. Amarnatha Reddy, M. Tech, Ph.D.  
Assoc. Professor & Head

**Signature of External Examiner**

**K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS),  
KADAPA – 516 005**

**DEPARTMENT OF CIVIL ENGINEERING**

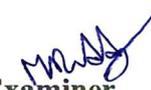


**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, “**EFFECT OF DAMPING ON DYNAMIC RESPONSE OF HOMOGENEOUS SOIL DEPOSIT**”, done by **S. JAYA SIMHA (209Y5A0170), P. MADHUSUDHANA (209Y5A0160), Y. VENUGOPAL (209Y5A0188), P. MOHAN BABU (209Y5A164), T. PAVAN KALYAN (209Y5A0177)** submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

  
Dr. M. V. Ravi Kishore Reddy  
Assoc. Professor  
Supervisor

  
Dr. N. Amaranatha Reddy  
Assoc. Professor & HEAD

  
Examiner

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**  
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**Signature of the Supervisor**

**K. Hemanth Kumar Reddy, M.Tech., (Ph.D.)**  
Assistant Professor

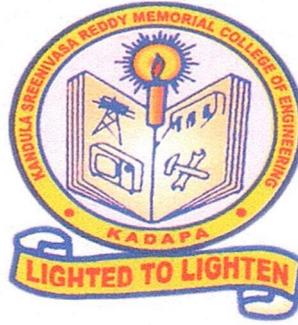
  
**Signature of Head of the Department**

**Dr. N. Amaranatha Reddy, M.Tech., Ph.D.**  
Assoc. Professor & HEAD

  
**Signature of the Examiner**

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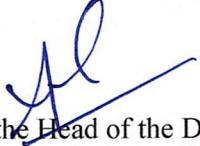
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Signature of the Supervisor  
Sri. M. C Venkatasubbaiah, M.Tech,(Ph.D).  
Asst. Professor

  
Signature of the Head of the Department  
Dr. N. Amaranatha Reddy, M. Tech., Ph.D.  
Assoc. Professor & HEAD

  
Signature of External Examiner

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**  
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**Signature of the Supervisor**  
Smt. K. Niveditha, M.Tech.  
Asst. Professor

**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

**Signature of the Examiner**

**K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS),**

**KADAPA-516003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled **“PARTIALLY REPLACEMENT OF COARSE AND FINE AGGREGATE WITH CERAMIC TILE WASTE AND NANO SILICA ”** done by **S.MAHAMMAD(199Y1A0146),S.PAVANKUMAR REDDY (199Y1A0145), B.AVINASH KUMAR (199Y1A0101), K.KONDA REDDY (199Y1A0121),** submitted to the faculty of civil engineering, in partially fulfillment of the requirements for the award of degree of **bachelor of technology** in **civil engineering** from K.S.R.M college of engineering (Autonomous) Kadapa.

**Signature of the supervisor**

Y. DASTHAGIR,

M.Tech.,

**signature of head of the department**

Dr.N. AMARANATH REDDY

M.Tech.,Ph.D.

Assoc.Professor &HEAD

**Signature Of The Examiner**

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**

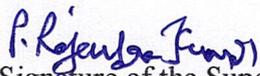
**KADAPA – 516 003**

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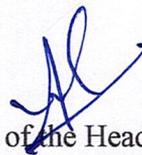
**CERTIFICATE**

Certified that this is a bonafide record of the project work entitled, “**DESIGN AND FEASIBILITY OF RAIN WATER HARVESTING SYSTEM FOR KANDULA HOSTEL, KSRMCE[A]**”, done by **P. ARFATHULLA KHAN (199Y1A0136)**, **P. MANJUNATH (199Y1A0139)**, **P. PRAVEEN KUMAR (199Y1A0137)**, **P. SURESH REDDY (199Y1A0135)**, **G. BHANU KARTHIK (199Y1A0113)** submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.



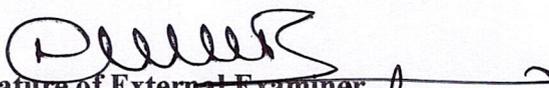
Signature of the Supervisor

**P. Rajendra Kumar**, M. Tech(Ph.D.)  
Asst. professor



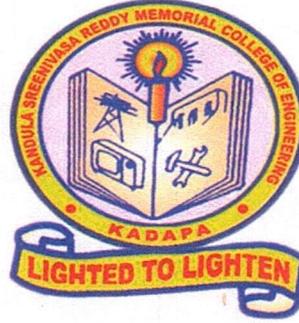
Signature of the Head of the Department

**Dr. N. Amaranatha Reddy**, M.E, Ph.D.  
Assoc. Professor & Head.

  
Signature of External Examiner  
20/5/2023

K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA  
KADAPA – 516 003

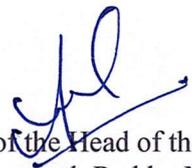
DEPARTMENT OF CIVIL ENGINEERING

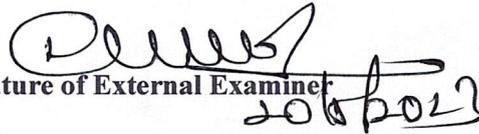


CERTIFICATE

Certified that this is a bonafide record of the project work with entitled, “**STRENGTH CHARACTERISTICS ON CEMENT CONCRETE ROBO SAND REPLACING NATURAL SAND**”, done by **PAGIDI VENKATA SIVA (199Y1A0133)**, **HACHHULUKATTE FAHEEM (199Y1A0115)**, **SANDBOINA SURENDRA (199Y1A0148)**, **MUNDLAPATI HARSHA VARDHAN (199Y1A0131)**, **MANJULA JAGADEESH (199Y1A0124)**, submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

  
Signature of the Supervisor  
Dr.G.Sreenivasa Reddy, ME,Ph.d  
Professor

  
Signature of the Head of the Department  
Dr.N.Amaranath Reddy, M.Tech,Ph.d  
Assoc.Professor & Head

  
Signature of External Examiner  
20/05/2023

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS)  
KADAPA- 516003**

**DEPARTMENT OF CIVIL ENGINEERING**

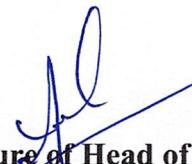


**CERTIFICATE**

This is to certify that U. G. Project Work Report entitled, “**EFFECT OF QUARRY DUST AS A PARTIAL REPLACEMENT OF FINE AGGREGATE IN CONCRETE**” submitted by **K. Nagarathna(199Y1A0122)**, **C. Haritha (199Y1A0106)**, **K. Chaitanya (199Y1A0118)**, **C. S. Sai Sreenivasa Reddy (199Y1A0105)** and **M. Suresh (199Y1A0125)** as the record of the work carried out by them, is accepted as the U.G. Project Work Report submission in partial fulfilment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

  
Signature of the Supervisor

Dr. I. Srinivasula Reddy, M.Tech, Ph.D  
Associate Professor

  
Signature of Head of the Department

Dr. N. Amaranatha Reddy, M.Tech, Ph.D  
Associate Professor & HEAD

  
Signature of the Examiner  
20/05/2023

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**  
**KADAPA – 516 003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the project work entitled, "**COMPARISON OF COMPRESSIVE STRENGTH OF CONCRETE WITH DESTRUCTIVE & NON-DESTRUCTIVE PROCEDURES USING DIGITAL IMAGE PROCESSING AS A TECHNIQUE**", done by **R. HIMA BINDU (199Y1A0143)**, **K. KEJIYA (199Y1A0120)**, **S. SADAMINI (199Y1A0144)**, **M. NAVEEN (199Y1A0128)**, **S.MANSOOR (189Y5A0165)** submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

Signature of the Supervisor  
Dr.V. Giridhar, M.Tech, Ph.D.  
Professor, Civil Engg. Dept.

Signature of the Head of the Department  
Dr.N. Amaranath Reddy, Ph.D.  
Head of the Dept. Civil Engineering

Signature of Internal Examiner

Signature of External Examiner

20/07/2023

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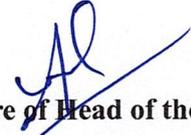
**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, "**Performance Comparison of Natural and Artificial Coagulants in Treating Wastewater**", done by **R.Divya(199Y1A0141),B.SampurnaRani(199Y1A0102),M.SaiTejeshReddy(199Y1A0129),B.Suryanarayana(199Y1A0103),M.JaganMohan(199Y1A0126)** submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

  
Signature of the Supervisor

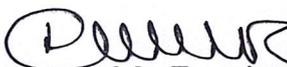
Dr. B.Sudheer Kumar Reddy, M.Tech, Ph.D.

Asst. Professor

  
Signature of Head of the Department

Dr. N. Amaranatha Reddy, M.Tech., Ph.D.

Assoc. Professor & HEAD

  
Signature of the Examiner

20/05/2023

# K S R M COLLEGE OF ENGINEERING - KADAPA

(UGC Autonomous)

## DEPARTMENT OF CIVIL ENGINEERING



### CERTIFICATE

This is to certify that the project report entitled, “**EXPERIMENTAL STUDY OF PARTIAL REPLACEMENT OF FINE AGGREGATE WITH STONE DUST IN CONCRETE**” is a bonafide work carried out by **B. CHINNA OBULESU (209Y5A0105), D. JAYADEV (209Y5A0117), B. SREEHARI (209Y5A0106), S. SURENDRA (199Y1A0161), S. MUSTAN (199Y1A0157)**, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING**, K S R M College of Engineering, is an authentic work carried out by them under my supervision and guidance

**Signature of the Supervisor**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

Date:

Place:

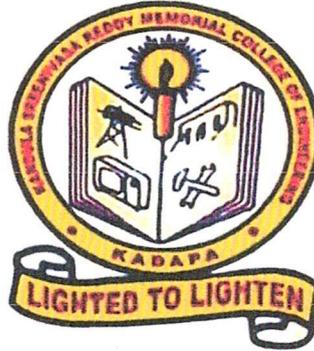
Internal Examiner

External Examiner

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS),**

**KADAPA - 516 003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the project work entitled, "ANALYSIS OF CONCRETE FOR REPLACEMENT OF SAND BY COCONUT SHELL CRUSH", done by **D.CHENNAKESHAVA** (199Y1A0109), **D.ANUSHIA**(199Y1A0108), **D.ARUNKUMAR**(199Y1A0107), **J.V.SURENDRA** (199Y1A0117), **S.M.AFRIDI** (189Y5A0164), submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

Signature of the Supervisor  
Smt. K. Niveditha Assistant professor,  
M.TECH

Signature of the Head of the Department  
Dr.N.Amaranatha Reddy M.Tech,phd  
Assoc. Professor & HEAD

Signature of External Examiner

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS),**

**KADAPA – 516003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, “**SEISMIC ANALYSIS AND SHAKE TABLE MODEL**”, done by **G. GEETHA NANDINI (209Y5A0124), B.V. HARSHA VARDHINI (209Y5A0110), G. HARINI (209Y5A0120), S. RAJESH REDDY (199Y1A0160), V. CHANDRASEKHAR (199Y1A0167)** submitted to the Department of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

  
**Signature of the Supervisor**  
Sri. P. Suresh Praveen Kumar, M.Tech., (Ph.D)  
Assistant Professor

  
**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

  
**Signature of the Examiner**

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**  
**KADAPA – 516 003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the project work entitled, "**PERFORMANCE AND EVALUATION OF GANDIKOTA RESERVIOR**", done by **K.J. SUJATHA (209Y5A0132)**, **B. PAVANTEJ (209Y5A0103)**, **Y. BRAMHINI (199Y1A0172)**, **Y. MOUNIKA (199Y1A0174)**, submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

*V.Ven*  
Signature of the Supervisor  
Sri. V.V. Prasad, M. Tech  
Asst. Professor

*NAR*  
Signature of the Head of the Department  
Dr. N. Amarnatha Reddy, M. Tech, Ph.D.  
Assoc Professor & Head

*[Signature]* 20/05/23  
Signature of External Examiner

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**KADAPA – 516 003**

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**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, “**PLANNING, ANALYSIS AND DESIGN OF A RESIDENTIAL BUILDING**”, done by **C. RUPESH (209Y5A0111)**, **K. BHANU PRASAD (209Y5A0133)**, **I. CHINNA PRASAD (209Y5A0125)**, **T. SUNIL KUMAR (199Y1A0165)** submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

**Signature of the Supervisor**  
Dr. I. Srinivasula Reddy, M.Tech., Ph.D.  
Associate Professor

**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Associate Professor & HoD

**Signature of the Examiner**

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**

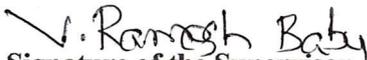
**KADAPA – 516003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, **“experimental investigation on partially replacement of coconut shells and groundnut shells in a fine aggregate”**, done by **J. BOYA KONDAIAH (209Y5A0127)** , **K. PUSHPA LATHA (209Y5A0136)**, **K. DHARMA TEJA (209Y5A0131)**, **D. SIVA NITYAM (209Y5A0116)** submitted to the Department of Civil Engineering, in partial fulfilment of there requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

  
**Signature of the Supervisor**

Dr. V. Ramesh babu , M.Tech. Ph.D  
Associate. Professor

  
**Signature of Head of the Department**

Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Associate. Professor & HEAD

  
**Signature of the Examiner**

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**  
**KADAPA - 516003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, "**EXPERIMENTAL STUDY ON STRENGTH OF CONCRETE INCORPORATING ULTRAFINE SLAG AND STEEL FIBERS**", done by **S. KAVITHA (199Y1A0158), E. SANDHYA (209Y5A0119), V.S. FAYAZ HUSSAIN (199Y1A0168)** submitted to the Department of Civil Engineering, in partial fulfillment of there requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

**Signature of the Supervisor**

Sri. P. Pavan Kumar, M.Tech.  
Assistant. Professor

**Signature of Head of the Department**

Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Assoc. Professor & HEAD

**Signature of the Examiner**

**K S R M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA**

**KADAPA – 516 003**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

Certified that this is a bonafide record of the dissertation work entitled, “**A STUDY ON THE INFLUENCE OF REPLACEMENT OF COARSE AGGREGATE WITH HIPS PLASTIC IN CONCRETE**”, done by **K. KESAVA RAO (209Y5A0130)**, **K. MALLIKARJUNA (209Y5A0135)**, **T. ANIL KUMAR REDDY (199Y1A0164)**, **S. MOHAMMED JUNAID (199Y1A0162)**, **S. ZAREENA TASNEEM (199Y1A0163)**, submitted to the faculty of Civil Engineering, in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** from K S R M College of Engineering (Autonomous), Kadapa.

**Signature of the Supervisor**  
Dr. V. Giridhar, M.Tech., Ph.D.  
Professor

**Signature of Head of the Department**  
Dr. N. Amaranatha Reddy, M.Tech., Ph.D.  
Associate Professor & HEAD

**Signature of the Internal Examiner**

**Signature of the External Examiner**

# K.S.R.M College of Engineering (AUTONOMOUS)

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Kadapa-516003(A.P)

2022-23

Department of Electrical and Electronics Engineering



## CERTIFICATE

*This is to certify that the project report entitled "DETECTION OF FAULTS IN THE TRANSMISSION LINES BY USING ARDUINO is bonafied work carried out by*

K.Pavithra (199Y1A0220)

N.Indu (199Y1A0236)

T.Jyothi Bhargavi (199Y1A0251)

T.Prudhula (199Y1A0252)

V.Divya Teja (199Y1A0253)

*Department of Electrical and Engineering K.S.R.M College of*

*Engineering(Autonomous),Kadapa and is submitted J.N.T.University,Ananthapuramu in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in*

*Electrical and Electronics Engineering*

*M. Bhaskara Reddy*  
Project Guide  
Sri M.Bhaskara Reddy 18/5/23  
Associate Professor,  
Department of E.E.E.,  
K.S.R.M.C.E.,kadapa.

*Dr. S. Prasad Reddy*  
Head of the Department 18.5.23  
Dr.M.S.Priyadarshini,  
Associate Professor and HOD,  
Department of E.E.E.,  
K.S.R.M.C.E.,kadapa

*M. Bhaskara Reddy*  
Internal Examiner  
18/5/23

*Y. S. Reddy*  
External Examiner  
19/5/23.

# K.S.R.M College of Engineering

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2022-23

Department of Electrical and Electronics Engineering



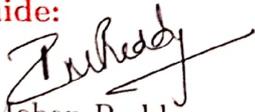
## CERTIFICATE

*This is to certify that the project report entitled "POWER GENERATION BY WASTE MATERIALS" is bonafied work carried out by*

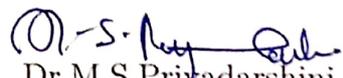
D.Karishma(199Y1A0211), DR.Gayathri(199Y1A0212), S.Lokendra Reddy (199Y1A0245)  
K.Sakesh Reddy (199Y1A0226), R.Sudharani(199Y1A0243)

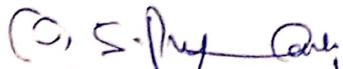
*Department of Electrical and Engineering K.S.R.M College of Engineering (Autonomous), Kadapa and is submitted to J.N.T.University, Anan-thapur in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering.*

**Project Guide:**

  
Sri K.Rama Mohan Reddy,  
Associate Professor, M.Tech, (Ph.D),  
Department of E.E.E,  
K.S.R.M.C.E, Kadapa.

**Head of the Department**

  
Dr. M.S. Priyadarshini,  
M.Tech, Ph.D, Professor and HOD,  
Department of E.E.E,  
K.S.R.M.C.E, Kadapa.

  
Internal Examiner 19.5.23

  
External Examiner 19/5/23



# K.S.R.M College of Engineering

(AUTONOMOUS)

Approved by AICTE, New Delhi and Affiliated to JNTU, Ananthapuramu  
Accredited by NAAC, Bangalore, An ISO and 9001:2015 Certified Institution

KADAPA-516003(A.P)

2022-2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## CERTIFICATE

*This is to certify the project report entitled "DESIGN AND DEVELOPMENT OF NEW BATTERY CHARGER BASED ON MPPT FOR SOLAR PV SYSTEM" is bonafide work carried out by*

K.MOHAMMAD ALI(209Y5A0203)

S.MAHESH(209Y5A0205)

C.PRAMOD JOSHI(199Y1A0206)

M.KIRAN BABU(199Y1A0228)

M.RAM MOHAN(199Y1A0227)

*Department of Electrical & Electronics Engineering, K.S.R.M College of Engineering, Kadapa and is submitted to J.N.T. University in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical & Electronics Engineering.*

Project Guide:

*T.M.M. 19/5/23*

Dr.T.Mariprasath M.E.,Ph.D

Associate Professor

Department of E.E.E,

K.S.R.M.C.E.,Kadapa.

Head of the Department:

*D.S. Priyadarshini 17.5.23*  
Dr.M.S.Priyadarshini, M.Tech,Ph.D

Professor,HOD,

Department of E.E.E,

K.S.R.M.C.E.,Kadapa.

*M.H. 19/5/23*  
Internal Examiner

*19/5/23*  
External Examiner

# K.S.R.M College of Engineering

(AUTONOMOUS)

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(Accredited by NAAC, Bangalore, An ISO 9001:2015 Certified Institution)

KADAPA-516003(A.P)

2022-23

Department of Electrical and Electronics Engineering



## CERTIFICATE

*This is to certify that the project report entitled "ENERGY METER AUTOMATION TESTING THROUGH SERIAL COMMUNICATION"*

*is bonafied work carried out by*

M.Supraja (199Y1A0233), P.Bujji (199Y1A0237), P.Sumanth Kumar(199Y1A0240)

S.Hari krishna Reddy (199Y1A0246), Y.Yeshaswini (199Y1A0256)

*Department of Electrical and electronics Engineering, K.S.R.M College of Engineering, Kadapa and is submitted to J.N.T.U.A. Ananthapuramu to partial fulfillment of the requirements for the award of the degree of bachelor of technology in Electrical and Electronics Engineering.*

Project Guide:

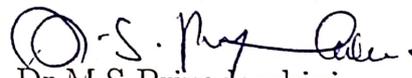
  
Dr.M.S Priyadarshini,

Professor and HoD,

Department of E.E.E,

K.S.R.M.C.E Kadapa.

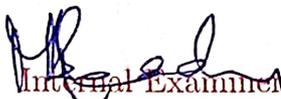
Head of the Department:

  
Dr.M.S Priyadarshini,

Professor and HoD,

Department of E.E.E,

K.S.R.M.C.E Kadapa.

  
Internal Examiner

19/5/23

  
External Examiner

19/5/23.



K.S.R.M COLLEGE OF ENGINEERING  
(UGC-AUTONOMOUS)  
Approval by A.I.C.T.E, New Delhi & Affiliated to  
JNTUA, Ananthapuram  
Accredited by NAAC, An ISO 9001:2015 Certified Institution  
KADAPA-516003(A.P)  
2022-2023



CERTIFICATE

*This is to certify that the project report entitled "Power quality improvement by mitigating current harmonics using shunt active power filter MATLAB/SIMULINK" is bonafied work carried out by*

Y.Chandrakala(199Y1A0257)

M.Chandrakala (209Y5A0204)

B.Charitha(199Y1A0202)

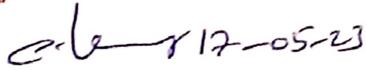
G.Nithya Chandana(199Y1A0213)

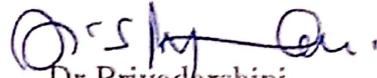
B.Saisree(199Y1A0201)

*Department of Electrical and electronics Engineering, K.S.R.M College of Engineering, Kadapa and is submitted to J.N.T.U.A, Ananthapuramu to partial fulfillment of the requirements for the award of the degree of bachelor of technology in Electrical and Electronics Engineering.*

Project Guide:

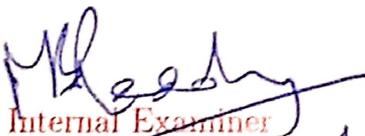
Head of the Department:

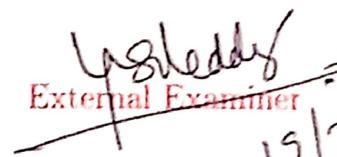




DR.C.KumarReddy, Ph.D  
Associate Professor,  
Department of E.E.E,  
K.S.R.M.C.E, Kadapa.

Dr.Priyadarshini  
Associate Professor, HOD,  
Department of E.E.E,  
K.S.R.M.C.E, Kadapa.

  
Internal Examiner  
19/5/23

  
External Examiner  
19/5/23

# K.S.R.M College of Engineering

(AUTONOMOUS)

Approved by AICTE, Bangalore and Affiliated to JNTUA, Ananthapuramu  
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KADAPA-516003(A.P)

2022-2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## CERTIFICATE

*This is to certify the project report entitled "IOT BASED POWER MONITORING SYSTEM IN SMART GRID" is bonafiedwork carried out by*

D. NAVEEN SAI(199Y1A0209)

D. BOJEGOWD(199Y1A0210)

G. SAI PUNEETH KUMAR(199Y1A0217) M. SREENATH REDDY(199Y1A0230)

S. SAMEER BASHA(199Y1A0244)

*Department of Electrical & Electronics Engineering. K.S.R.M College of Engineering, Kadapa and is submitted to J.N.T. University in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical & Electronics Engineering.*

Project Guide:

Smt. Saleha Tabassum, M.Tech, (Ph.D)

Assistant Professor

Department of E.E.E,

K.S.R.M.C.E., Kadapa.

*Internal Examiner*

19/5/23

Head of the Department:

*Dr. M.S. Priyadarshini, M.Tech, Ph.D*

Professor, HOD,

Department of E.E.E,

K.S.R.M.C.E., Kadapa.

*External Examiner*

15/5/23

# K.S.R.M. College of Engineering

(AUTONOMOUS)

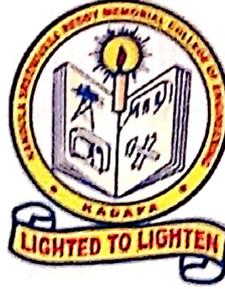
(Approved by AICTE, New Delhi and Affiliated to JNTUA, Ananthapuramu)

(Accredited by NAAC, Bangalore, An ISO 9001:2015 Certified Institution)

KADAPA-516005(A.P)

2022-2023

Department of Electrical & Electronics Engineering



## CERTIFICATE

*This is to certify that the project report entitled "ANALYSIS OF ELECTRIC VEHICLE DESIGN USING MATLAB/SIMULINK" is bonafied work carried out by*

S.Sravana Sandhya (209Y5A0206)

B.Chandra Sekhar Naik (199Y1A0203)

C.Malleswari(199Y1A0205)

K.Venkata Ramana(199Y1A0225)

V.Kranthi Kumar Reddy(199Y1A0254)

*Department of Electrical and Electronics Engineering, K.S.R.M. College of Engineering(A), Kadapa and is submitted to J.N.T.U.A., Ananthapuramu to partial fulfillment of the requirements for the award of the degree of bachelor of technology in Electrical and Electronics Engineering.*

**Project Guide:**

*K. Kalyan Kumar*  
Sri K.Kalyan Kumar, M.Tech, (Ph.D),

Assistant Professor,

Department of E.E.E,

K.S.R.M.C.E(A), Kadapa.

**Head of the Department**

*M.S. Priyadarshini*  
Dr.M.S.Priyadarshini, M. Tech, Ph.D,

Professor & HOD,

Department of E.E.E,

K.S.R.M.C.E(A), Kadapa.

*M.R. Reddy*  
Internal Examiner

19/5/23

*Y. Reddy*  
External Examiner

19/5/23



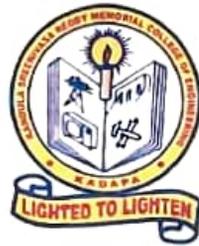
# K.S.R.M College of Engineering

(AUTONOMOUS)

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KADAPA - 516005(A.P)

2022 - 2023



## CERTIFICATE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

*This is to certify the project report entitled "HOME AUTOMATION WITH LABVIEW-MYDAQ" is bonafidework carried out by*

T.Shahansha Khan(209Y5A0207)

C.Rakesh(209Y5A0202)

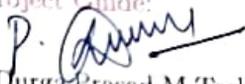
U S Md.Ashwaaq(209Y5A0208)

S.Yeswanth Reddy(199Y1A0247)

M.Guru Teja(199Y1A0231)

*Department of Electrical & Electronics Engineering, K.S.R.M College of Engineering, Kadapa and is submitted to J.N.T. University in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical & Electronics Engineering.*

Project Guide:

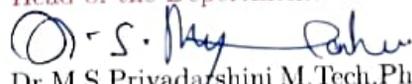
  
P Durga Prasad, M.Tech, (Ph.D)

Associate professor

Department of E.E.E,

K.S.R.M.C.E., Kadapa.

Head of the Department:

  
Dr.M.S.Priyadarshini M.Tech, Ph.D,

Professor, HOD,

Department of E.E.E,

K.S.R.M.C.E., Kadapa.

  
Internal Examiner

  
External Examiner

19/5/23

19/5/23

# K.S.R.M College of Engineering

(AUTONOMOUS)

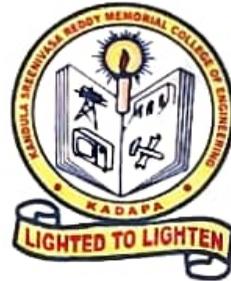
(Approved by AICTE, New Delhi and Affiliated to JNTUA, Ananthapuramu)

(Accredited by NAAC, Bangalore, An ISO 9001:2015 Certified Institution)

KADAPA-516003(A.P)

2022-23

**Department of Electrical and Electronics Engineering**



## CERTIFICATE

*This is to certify that the project report entitled "POWER GENERATION THROUGH SPEED BREAKER" is bonafied work carried out by K.Naveen(199Y1A0219), K.Nithish Kumar(199Y1A0221), N.Manikanta Reddy(199Y1A0234), N.Sai Jyothi(199Y1A0235), T.Sowmya (199Y1A0250), B.Swathi(209Y5A0201) Department of Electrical and electronics Engineering, K.S.R.M College of Engineering, Kadapa and is submitted to J.N.T.U.A. Ananthapuramu to partial fulfillment of the requirements for the award of the degree of bachelor of technology in Electrical and Electronics Engineering.*

**Project Guide:**

Sri T.Kishore Kumar,  
Associate Professor, M.Tech, (Ph.D),  
Department of E.E.E,  
K.S.R.M.C.E, Kadapa.

**Head of the Department**

Dr.M.S.Priyadarshini,  
M.Tech, Ph.D, Professor and HOD,  
Department of E.E.E,  
K.S.R.M.C.E, Kadapa.

Internal Examiner  
AKP23

External Examiner  
19/5/23

# K.S.R.M COLLEGE OF ENGINEERING

(UGC-AUTONOMOUS)

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(Accredited by NACC, Bangalore An ISO 14001:2004 & 9001:2015 Certified Institution)

Kadapa- 516003(A.P)

2022-2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## Certificate

*This is to certify that the project report entitled "SOLAR INSECT TRAP" is bonafied work carried out by*

G.UMA MAHESHWAR REDDY (199Y1A0214)

J.PRAVEEN KUMAR (199Y1A0218)

K.SAMARA SIMHA REDDY (199Y1A0222)

S.KHAMAR HUSSAIN (199Y1A0249)

*Department of Electrical & Electronics Engineering, K.S.R.M College of Engineering (Autonomous), Kadapa and is submitted to J.N.T.U., Anantapur in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical & electronics Engineering*

Sri N.Siddhik M.Tech

Assistant Professor

Department of E.E.E

K.S.R.M.C.E, Kadapa

Head of the Department

Dr.M.S.Priyadarshani M.Tech.,Ph.D

Professor and HOD,

Department of E.E.E

K.S.R.M.C.E, Kadapa

Internal Examiner

19/5/23

External Examiner

19/5/23

# K.S.R.M College of Engineering

(AUTONOMOUS)

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KADAPA - 516005(A.P)

2022 - 2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## CERTIFICATE

*This is to certify that the project report entitled "LPG GAS LEAKAGE DETECTION AND GAS VALVE CONTROLLING USING SERVO MOTOR" is bonafied work carried out by*

G.ANAND (199Y1A0216)

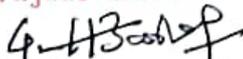
P.CHINNA PEDDI REDDY (199Y1A0238)

P.GIRIDHAR (199Y1A0242)

M.RUTHESH KUMAR (199Y1A0232)

*Department of Electrical & Electronics Engineering, K.S.R.M College of Engineering, Kadapa and is submitted to J.N.T. University in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical & Electronics Engineering.*

**Project Guide:**

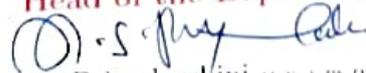
  
Sri G. Hussain Basha, M.Tech.

Assistant Professor

Department of E.E.E.,

K.S.R.M.C.E., Kadapa.

**Head of the Department:**

  
Dr. Priyadarshini, M.Tech, Ph.D.

Professor & HOD,

Department of E.E.E.,

K.S.R.M.C.E., Kadapa.

  
Internal Examiner

19/5/23

  
External Examiner

15/5/23

# K.S.R.M. College of Engineering (AUTONOMOUS)

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(Accredited by NAAC, Bangalore, An ISO 9001:2015 Certified Institution)

KADAPA-516003(A.P)

2022-23

**Department of Electrical and Electronics Engineering**



## CERTIFICATE

*This is to certify that the project report entitled "SOLAR PANEL CLEANING SYSTEM" is bonafied work carried out by*

B.P.Ekshitha(199Y1A0204)

K.Nikhat Sulthana(199Y1A0223)

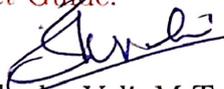
M.Sathwika(199Y1A0229)

S.Asma Farheen(199Y1A0248)

Y.Chandrika(199Y1A0255)

*Department of Electrical and Electronics Engineering, K.S.R.M College of Engineering Autonomous, Kadapa and is submitted to J.N.T.U.A, Ananthapuramu to partial fulfillment of the requirements for the award of the degree of bachelor of technology in Electrical and Electronics Engineering.*

Project Guide:

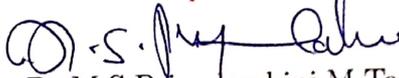
  
Sri S. Khadar Vali, M. Tech,

Assistant Professor,

Department of E.E.E,

K.S.R.M.C.E, Kadapa.

Head of the Department:



Dr. M.S. Priyadarshini, M. Tech, Ph.D

Professor, HOD,

Department of E.E.E,

K.S.R.M.C.E, Kadapa.

  
Internal Examiner  
19/5/23

  
External Examiner  
19/5/23



# K.S.R.M College of Engineering

(AUTONOMOUS)

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Accredited by NAAC, Bangalore, An ISO & 9001:2015 Certified Institution

KADAPA-516005(A.P)

2022-2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## CERTIFICATE

*This is to certify that the project report entitled " SOLAR POWER GENERATION SYSTEM WITH POWER SMOOTHING FUNCTION" is bonafied work carried out by*

C.Hariprasad (199Y1A0207)

G.Ashok (199Y1A0215)

P.Tharaka ramudu (199Y1A0241)

*Department of Electrical & Electronics Engineering K.S.R.M College of Engineering, Kadapa and is submitted to J.N.T. University in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical & Electronics Engineering.*

**Project Guide:**

*V. Ramya Keerthi*  
Smt. V. Ramya Keerthi, M. Tech

Assistant Professor

Department of E.E.E,

K.S.R.M.C.E., Kadapa.

*[Signature]*  
Internal Examiner  
19/5/23

**Head of the Department:**

*[Signature]*  
Dr. M.S. Priyadarshini, M. Tech, Ph.d

Professor & HOD,

Department of E.E.E,

K.S.R.M.C.E., Kadapa.

*[Signature]*  
External Examiner  
19/5/23



# DEPARTMENT OF MECHANICAL ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

KADAPA



## CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF VOICE CONTROL WHEELCHAIR" is being submitted by M.SIVA SAI REDDY(199Y1A0324),K. NAVEEN KUMAR REDDY (199Y1A0316),B. SRI NIDHI SAI(199Y1A0302),L. M. VINAY KUMAR (199Y1A0322),G. SUBHAN(199Y1A0313) in K.S.R.M College of Engineering (AUTONOMOUS) Kadapa, in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the major project work under our Supervision during the period 2022-2023.

**Project Guide:**

*K. Suresh Kumar*  
Sri. K. SURESH KUMAR, M. Tech,  
Associate Professor,  
Department of Mechanical Engg  
K.S.R.M. College of Engg. Kadapa

**Head of the Department:**

*Dr. D. Ravikanth*  
Dr. D. RAVIKANTH, M. Tech, Ph.D.  
Professor & HOD,  
Department of Mechanical Engg  
K.S.R.M. College of Engg. Kadapa

DATE: 20/05/2023

INTERNAL EXAMINER

EXTERNAL EXAMINER

*Dr. D. Ravikanth*

*Dr. D. Ravikanth*  
20/05/2023

**DEPARTMENT OF MECHANICAL ENGINEERING**

**K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)**

**KADAPA**



**CERTIFICATE**

This is to certify that the Final Project report entitled "**MEMS ACCELEROMETER CONTROLLED ROBOT**" is being submitted by **R.VEERATEJASWAR REDDY(199Y1A03338)**, **M.JOSHUA(199Y5A0323)**, **K.SAI KARTHIK(199Y1A0318)**, **S.ZABIULLA (199Y1A0350)**, in **K.S.R.M College of Engineering(AUTONOMOUS) Kadapa**, in partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY**" in "**MECHANICAL ENGINEERING**" is a bonafide record of the final project work carried by them under our Supervision during the period 2022-2023.

**Project Guide:**

*P. Sreenivas*

**DR.P.SREENIVAS, M.Tech,ph.D.**

**Associate Professor,**

**Department of Mechanical Engg**

**K.S.R.M. College of Engg.Kadapa**

**Head of the Department:**

*Dr. D. Ravikanth*

**Dr. D. RAVIKANTH, M. Tech, Ph.D.**

**Professor & HOD,**

**Department of Mechanical Engg**

**K.S.R.M. College of Engg.Kadapa**

**DATE:**

*Dr. D. Ravikanth*  
**INTERNAL EXAMINER**

*Dr. D. Ravikanth*  
**EXTERNAL EXAMINER**

# **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)**

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

(Accredited by NAAC, New Delhi)

(An ISO 9001:2018, 14001:2004 Certified Institution)

KADAPA – 516005 (A.P.)

## **DEPARTMENT OF MACHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that project report entitled **FOUR WHEEL STEERING SYSTEM FOR SMOOTH PARKING OF AN ELECTRIC VEHICLE** submitted by **S.GHOUSE BASHA(199Y1A0343), S.BABASAB(199Y1A0353),S.MOHAMMEDSHOIAB(199Y1A0348),D.BHARATH(199Y1A0307),C.AMATHYA(199Y1A0305)** TO **KSRM COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** IN Partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Mechanical Engineering is a Bona fide record of the project work carried out by them under out supervision during the period of 2022-2023.

**PROJECT GUIDE:**

**Sri B.SRI HARI, M.Tech**

**Assistant Professor,**

**Department of ME**

**INTERNAL EXAMINER**

**HEAD OF THE DEPARTMENT:**

**Dr.D RAVIKANTH**

**Professor & HOD,**

**Department of ME**

**EXTERNAL EXAMINER**

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

This is to certify that the Final project report entitled "FABRICATON OF PICKUP AND PLACE ROBOTIC ARM", is being submitted by G.MANISAGAR(199Y5A0311), G.ASHOK KUMAR(199Y1A0312), C.ABDUL SUBAHAN(199Y1A0306)K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the Final project work carried out by them under our supervision during the period 2022-2023.

*Suresh*  
Project guide:

Sri.J.SURESH BABU, M.Tech  
Assistant Professor,  
MED.

*Suresh*  
INTERNAL EXAMINER.

Head of the Department:

*Dr.D.Ravikanth*  
Dr.D.RAVIKANTH,  
Professor & HOD,  
MED.

*Dr.D.Ravikanth*  
EXTERNAL EXAMINER

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

**This is to certify that the Final project report entitled “ECO-FRIENDLY DUST CLEANING MACHINE”, is being submitted by K.VAMSIDHAR REDDY(199Y1A0319), C.SUNIL KUMAR REDDY(199Y1A0304), S.ABDUL RASHEED(199Y1A0341), M.MYSORA REDDY(199Y1A0326), P.VAMSIDHAR REDDY(199Y1A0334)K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the Final project work carried out by them under our supervision during the period 2022-2023.**

**Project guide:**

*Suresh*  
Sri.J.SURESH BABU,  
M.Tech,  
Assistant Professor,  
MED.

**Head of the Department:**

*Dr. D. Ravikanth*  
Dr.D.RAVIKANTH,  
M.Tech.,Ph.D,  
Professor & HOD,  
MED.

Date

*[Signature]*  
Internal Examiner

*[Signature]*  
External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

THIS IS TO CERTIFY THAT THE FINAL PROJECT REPORT ENTITLED "DESIGN AND FABRICATION OF MULTI – PURPOSE MOTORIZED WHEEL CHAIR" IS SUBMITTED BY , K.VAM SINATH REDDY(199Y1A0315), M.SREEKANTH REDDY(199Y1A0329), N.NAVANEETH KUMAR(199Y1A0331) TO KSRM COLLEGE OF ENGINEERING (AUTONOMOUS),KADAPA IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF "BACHELOR OF TECHNOLOGY" IN "MECHANICAL ENGINEERING" IS A BONAFIED RECORD THE FINAL PROJECT WORK CARRIED OUT BY OUR SUPERVISION DURING THE PERIOD OF 2022 -2023.

Project guide:

SRI. P. SIVASESHU

M. Tech,

ASSISTANT PROFESSOR,

DEPARTMENT OF ME.

Head of the Department:

Dr. D. RAVIKANTH

M. Tech., Ph. D,

PROFESSOR & HOD,

DEPARTMENT OF ME.

DATE :

Internal examiner

External examiner

**K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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

(Accredited by NAAC, New Delhi)

(An ISO 9001:2018, 14001:2004 Certified Institution)

KADAPA – 516003 (A.P.)

2022- 2023

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the major project report entitled “**FABRICATION OF POWER GENERATING DEVICE USING A SHOCK ABSORBER**” is being submitted by **M.JUNAID BAIG (199Y1A0328), K.SUBBANNA (199Y1A0317), K.MANJUNATH (199Y1A0320), P.RAVI KUMAR (199Y1A0335), S.K.RAJESH (199Y1A0339), S.NAYEEMUR REHMAN (199Y1A0349)** in **K.S.R.M College of Engineering (AUTONOMOUS) Kadapa**, in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the major project under our Supervision during the period 2022-2023.

**Project Guide:**



**SRI P.SAI TEJA M.Tech .**

**Assistant Professor,**

**Department of Mechanical Engineering**

**K.S.R.M college of Engg. Kadapa**

**Head of the Department:**



**Dr. D RAVIKANTH, M.Tech.Ph.D.**

**Professor & HOD,**

**Department of Mechanical Engineering**

**K.S.RM.college of Engg. kadapa**

**Date:**

  
**Internal Examiner**

  
**External Examiner**

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

**This is to certify that the mini project report entitled "ELECTRICAL POWER GENERATION FROM FOOT STEP AND STORAGE", is being submitted by K.SAI KUMAR REDDY (199Y1A0321)S.KDADA(199Y1A0344),S.MOHAMMED SAJID (199Y1A0347),D.M.SAISRUJAN KUMAR (199Y1A0308),G.BHARATH(199Y1A0311)K.S.R.MCollege of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the mini project work carried out by them under our supervision during the period 2022-2023.**

Project guide:

  
Sri.B.RAVI CHANDRA,

M.Tech ,Assistant Professor

Department of Mechanical Engineering

  
Head of the Department:

Dr.D.RAVIKANTH,

M.Tech.,Ph.D Professor.

Department of Mechanical Engineering

Date:

  
Internal Examiner

  
External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU

ANANTHAPURAMU)(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified

Institution)KADAPA – 516003 (A.P)

2022-2023

DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

THIS IS TO CERTIFY THAT THE FINAL PROJECT REPORT ENTITLED "COMPUTER NUMERICAL CONTROL PLOTTER MACHINE" IS SUBMITTED BY , M.KIRAN KUMAR(199Y1A0327), P.BHEEMAIAH(199Y1A0337),G.VENKATAPRATAP(199Y1A0310),P.KHALEELULAKHAN(199Y1A0336),G.MANSOOR(199Y1A0345) TO KSRM COLLEGE OF ENGINEERING (AUTONOMOUS),KADAPA IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF "BACHELOR OF TECHNOLOGY" IN "MECHANICAL ENGINEERING" IS A BONAFIED RECORD THE FINAL PROJECT WORK CARRIED OUT BY OUR SUPERVISION DURING THE PERIOD OF 2022 -2023.

Project guide:

SRI. G. VENKATA SUBBAIAH,M.TECH  
ASSISTANT PROFESSOR,  
DEPARTMENT OF ME.

Head of the Department:

Dr. D. RAVIKANTH M. Tech., Ph. D  
PROFESSOR & HOD,  
DEPARTMENT OF ME.

DATE :

Internal examiner

External examiner

# K.S.R.M. COLLEGE OF ENGINEERING

## (AUTONOMOUS)

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(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

### DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the Final project report entitled "FABRICATION OF AUTOMATIC BREAKING SYSTEM", is being submitted by B.SHIVA REDDY(199Y1A0303),S.ABHILASH KUMAR REDDY(199Y1A0352), S.ASLAM(199Y1A0354),K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the Final project work carried out by them under our supervision during the period 2022-2023.

**Project guide:**

  
Sri.K.PULLAYAH  
M.Tech,  
Assistant Professor,  
MED.

**Head of the Department:**

  
Dr.D.RAVIKANTH,  
M.Tech ,Ph.D,  
Professor & HOD,  
MED.

**DATE:**

  
INTERNAAL EXAMINER

  
EXTERNAL EXAMINER

**K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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(Accredited by NAAC of UGC) (An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the major project report entitled “**DESIGN AND FABRICATION OF TRACK GUIDED MECHANICAL SCREW JACK**”, is being submitted by

**S.VENKATA SUDHEER REDDY (209Y5A0333)**

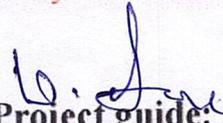
**J.SATISH (209Y5A0315)**

**V.BHARGAV (199Y1A0357)**

**G.GIRISH KUMAR REDDY (209Y5A0313)**

**C.GURU PRASAD (209Y5A0305)**

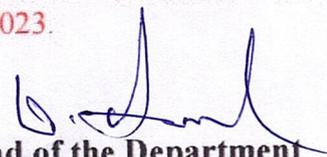
in **K.S.R.M. College of Engineering (AUTONOMOUS)**, Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the major project work carried out by them under our supervision during the period 2022-2023.

  
**Project guide:**

Dr.D.RAVIKANTH,M.tech.,ph.D.

Professor & HOD

DEPARTMENT OF ME

  
**Head of the Department**

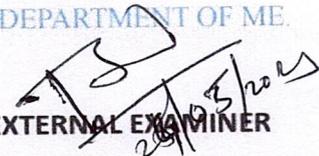
Dr. D. RAVIKANTH, M.Tech., Ph.D.,

Professor & HOD,

DEPARTMENT OF ME.

DATE: 24/05/23

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

**K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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

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(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the Major project report entitled “AUTOMATIC SIDE STAND RETRIEVING SYSTEM FOR TWO WHEELERS”, is being submitted by P.MADHU SUDHAN (209Y5A0330), A.NUMAIR (209Y5A0301), V.SRAVAN KUMAR(209Y5A0342), K.AJAY KUMAR (209Y5A0318), in K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a Bonafide record of the Major project work carried out by them under our supervision during the period 2022-2023.

**Project guide:**

Sri Dr.S.KHAJA PEER SAHEB, M.Tech.,Ph.D.,

Professor,

DEPARTMENT OF ME.

INTERNAL EXAMINER

**Head of the Department**

Dr. D. RAVIKANTH, M.Tech., Ph.D.,

Professor & HOD,

DEPARTMENT OF ME.

EXTERNAL EXAMINER

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

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

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(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

**This is to certify that the major project report entitled “FABRICATION OF BATTERY-OPERATED WEEDER MACHINE” is being submitted by S. MAZ AHAMED (209Y5A0336), M. VEERABHADRA (209Y5A0324), Y. HEMANTH KUMAR (209Y5A0343), G. DILIP KUMAR (209Y5A0312), E. RAVI NAIK (209Y5A0310) K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirement for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the major project work carried out by them under our supervision during the period 2022-2023.**

**Project guide:**

Sri R. RAMAKRISHNA REDDY, M.E

Associate Professor

Department of Mechanical Engineering.

**Head of the Department:**

Dr. D. RAVIKANTH, ME, Ph.D.

Professor & HOD

Department of Mechanical Engineering.

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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KADAPA – 516003 (A.P)

2022-2023

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the major project report entitled "SOLAR POWER LIGHTING BY USING LDR", is being submitted by P.NARASIMHA REDDY (209Y5A0328),

K.SIVABABJI (209Y5A0317),

L.BHUSHAN (209Y5A0321),

L.SUDHARSHAN (209Y5A0319),

D. SUNIL KUMAR (209Y5A0309),

M. BHARATH REDDY (209Y5A0323),

in K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a Bonafide record of the major project work carried out by them under our supervision during the period 2022-2023.

Project guide:

Dr. SHAIK SHAKEEL AHMED, M.Tech P.hd

Associate Professor,

DEPARTMENT OF ME.

INTERNAL EXAMINER:

Head of the Department:

Dr. D. RAVIKANTH, M.Tech, Ph.d.

Professor & HOD,

DEPARTMENT OF ME.

EXTERNAL EXAMINER:

24/05/2023

**K.S.R.M. COLLEGE OF ENGINEERING**  
**(AUTONOMOUS)**

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KADAPA – 516003 (A.P)

**DEPARTMENT OF MECHANICAL ENGINEERING**

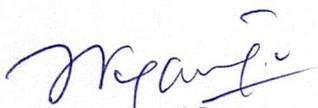


**CERTIFICATE**

This is to certify that the major project report entitled “FABRICATION OF AN OBSTACLE AVOIDANCE, BLUETOOTH CONTROLLED AND VOICE COMMAND ROBOT”, is being submitted by

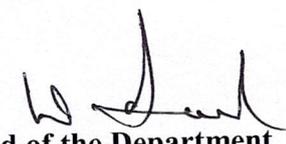
N. PAVAN KUMAR	(209Y5A0326)
K. UPENDRA REDDY	(209Y5A0316)
M. CHENNA KESAVA REDDY	(209Y5A0325)
J. OBULESU	(209Y5A0314)

in **K.S.R.M. College of Engineering (AUTONOMOUS)**, Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the major project work carried out by them under our supervision during the period 2022-2023.

  
**Project guide:**

SRI.C. NAGARAJA.  
Asst Professor  
DEPARTMENT OF ME

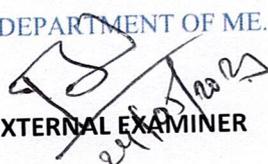
DATE:

  
**Head of the Department**

Dr. D. RAVIKANTH, M.Tech., Ph.D.,  
Professor & HOD,

DEPARTMENT OF ME.

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**

**K.S.R.M. COLLEGE OF ENGINEERING  
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KADAPA – 516005 (A.P.)

2022- 2023

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the Major project report entitled “**Regenerative Braking System**” Is being submitted by S. MAHAMMAD ALI (209Y5A0334),L.VENKATA LOKESH(209Y5A0320),SYED FAROOQ (209Y5A0338),D.SRINIVASULU(209Y5A0308),Y.SHASHI KIRAN REDDY(209Y5A0345),in **K.S.R.M College of Engineering (AUTONOMOUS) Kadapa**, in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the Technical Seminar under our Supervision during the period 2022-2023.

*Project Guide:*

Mr. S. VIJAYA KUMAR M.Tech  
Assistant Professor  
DEPARTMENT OF ME.

*Head of the department*

Dr. D. RAVIKANTH, M.Tech., Ph.D.,  
Professor & HOD  
DEPARTMENT OF ME.

INTERNAL EXAMINER:

EXTERNAL EXAMINER:

# K.S.R.M. COLLEGE OF ENGINEERING

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KADAPA – 516003 (A.P)

2022-2023

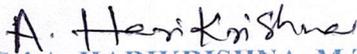
## DEPARTMENT OF MECHANICAL ENGINEERING

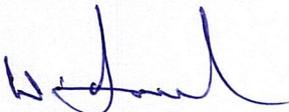


### CERTIFICATE

This is to certify that the Major project report entitled “SMART SOLAR GRASS CUTTER”, is being submitted by B NAGASIVA (209Y5A0302), B.PURUSHOTHAM (209Y5A0303), B SIVA PRASAD REDDY(209Y5A0304), P NAZEER BASHA(209Y5A0332), S UDAY KIRAN (209Y5A0337) in K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a Bonafide record of the Major project work carried out by them under our supervision during the period 2022-2023.

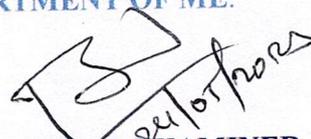
**Project Guide:**

  
Sri A. HARIKRISHNA, M.Tech.,(Ph.D)  
Assistant Professor,  
DEPARTMENT OF ME.

  
INTERNAL EXAMINER

**Head of the Department:**

  
Dr. D. RAVIKANTH, M.Tech., Ph.D.,  
Professor & HOD,  
DEPARTMENT OF ME.

  
EXTERNAL EXAMINER

**K.S.R.M. COLLEGE OF ENGINEERING  
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(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the Major project report entitled “**FABRICATION OF DOUBLE ACTING SAW USING SCOTCH YOKE MECHANISM**”, is being submitted by **SYED SAMI UDDIN (209Y5A0339), C VENKATA SWAMY SETTY (209Y5A0307), T LAKSHMANNA (209Y5A0340), V BHARGAVA KUMAR REDDY (199Y1A0356), Y HARSHAVARDHAN REDDY (199Y1A0360)** in **K.S.R.M. College of Engineering (AUTONOMOUS)**, Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a Bonafide record of the Major project work carried out by them under our supervision during the period 2022-2023.

**Project guide:**

**Sri D. MERWIN RAJESH, M.Tech**

Assistant Professor,

DEPARTMENT OF ME.

**INTERNAL EXAMINER**

**Head of the Department:**

**Dr. D. RAVIKANTH, M.Tech., Ph.D.,**

Professor & HOD,

DEPARTMENT OF ME.

**EXTERNAL EXAMINER**

**K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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(An ISO 9001:2018, 14001:2004 Certified Institution)

KADAPA – 516003 (A.P.)

2022- 2023

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the major project report entitled **FABRICATION OF AUTOMATIC SEED SOWER MACHINE** is being submitted by **G.CHARAN KUMAR REDDY (209Y5A0311), M.GOWTHAM SAI (209Y5A0322), P.HARI VARDHAN REDDY(209Y5A0331), Y.ASHOK(209Y5A0344), HITHESH REDDY(199Y1A0358)** in **K.S.R.M College of Engineering (AUTONOMOUS) Kadapa**, in partial fulfilment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY”** in **“MECHANICAL ENGINEERING”** is a bonafide record of the major project under our Supervision during the period 2022-2023.

**Project guide:**

  
**SRI P.SAI TEJA m.tech .**

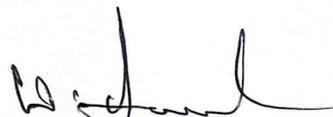
**Assistant Professor,  
Department of mechanical engineering  
K.S.R.M college of Engg. Kadapa**

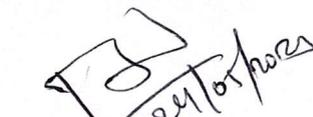
**Head of the Department**

  
**Dr. D RAVIKANTH, M.Tech.Ph.D.**

**professor & hod,  
Department of mechanical engineering  
K.S.RM.college of Engg. kadapa**

**Date:**

  
**Internal Examiner**

  
**External Examiner**

**K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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

(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2022-2023

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the Major project report entitled “VEHICLE TRACKING SYSTEM”, is being submitted by P.MONESH (209Y5A0327), P.ADI NARAYANA (209Y5A0329), Y VENU(209Y5A0346), T.SATISHREDDY(209Y5A0341), C.V.SUBBARAYUDU(209Y5A 0306) in K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a Bonafide record of the mini project work carried out by them under our supervision during the period 2022-2023.

**Project guide:**

**Sri.B.LAKSHUMAIAH M.Tech**

Assistant Professor,

DEPARTMENT OF ME.

**Head of the Department:**

**Dr. D. RAVIKANTH, M.Tech., Ph.D.,**

Professor & HOD,

DEPARTMENT OF ME.

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**



# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

KADAPA – 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



## CERTIFICATE

This is to certified that the project report entitled "ARDUINO BASED ROBOTIC TRASH BOAT TO DRIVE AND HARVEST FLOATING TRASH FROM URBAN DRAIN", is being submitted by B. SREENATH (199Y1A0412), C. VEERASHIVA (199Y1A0430), C. SAI DHEERAJ (199Y1A0427), C. RAJESH (199Y1A0420) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONICS AND COMMUNICATION ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

Project guide:

Dr. G. HEMALATHA, M.Tech., Ph.D.

Professor & HOD,

Dept. of E.C.E.

Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.

Professor & HOD,

Dept. of E.C.E.

Date:

18/05/2023

Internal Examiner

External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

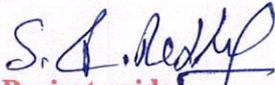
KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

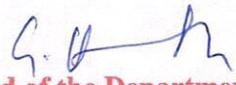


**CERTIFICATE**

**This is to certified that the project report entitled “ A IOT SYSTEM TOWARDS GAIT DETECTION IN STOKE PATIENTS ”, is being submitted by G. ANUSHKA (199Y1A0441), K. SRAVANI (199Y1A0465), E. SWETHA (199Y1A0438),K. VINAY (199Y1A0468), G. YESWANTH(199Y1A0450) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

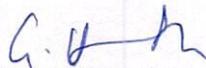
  
**Project guide:**

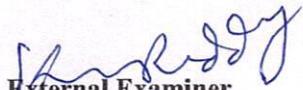
**Dr.S.L.PRATHAPA REDDY., M.Tech.Ph.D.,  
Associate Professor,  
Dept. Of. E.C.E**

  
**Head of the Department:**

**Dr. G. HEMALATHA., M.Tech.,Ph.D  
Professor & HOD,  
Dept. Of. E.C.E**

**Date:** 18/05/2023

  
**Internal Examiner**

  
**External Examiner**

**K.S.R.M.COLLEGE OF ENGINEERING  
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(An ISO 14001:2015 Certified Institution)  
KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “DIAGNOSIS OF SKIN DISEASE USING CONVOLUTIONAL NEURAL NETWORK”, is being submitted by K. MANOJKUMAR (199Y1A0464), K.SAGAR (199Y1A0460), D.VIKAS BARADWAJ REDDY(199Y1A0437), C.JASWANTH VARMA (199Y1A017) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2019-2023.**

**Project guide:**

**Sri. Md. Mahaboob Pasha, M.Tech., Ph.D.,  
Assistant Professor,  
Dept. of E.C.E.**

**Head of the Department:**

**Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.**

**Date: 18-05-2023**

  
**Internal Examiner**  
**External Examiner**

**K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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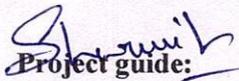
KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

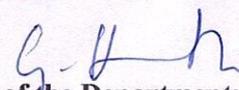
**This is to certified that the project report entitled “FACIAL AND VOICE RECOGNITION BASED SECURITY AND SAFETY SYSTEM IN CAR” , is being Submitted by A.KAVYA SREE (199Y1A0403), G.SIVA KUMAR (199Y1A0443), A.MOUNIKA (199Y1A0405), A.MOULEESWARA REDDY (199Y1A0402), C.STEPHEN KUMAR (199Y1A0419) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

  
Project guide:

Smt.S. SHARMILA BANU, M. Tech.,

Assistant Professor,

Dept. of E.C.E.

  
Head of the Department:

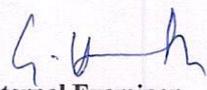
Dr. G. HEMALATHA, M.Tech., Ph.D.

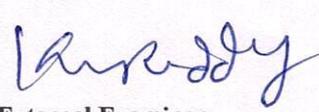
Professor & HOD,

Dept. of E.C.E.

Date:

18/05/2023

  
Internal Examiner

  
External Examiner

**K.S.R.M COLLEGE OF ENGINEERING  
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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**CERTIFICATE**



**This is to certify that the Project Report entitled “RECONFIGURABLE ANTENNA FOR 5G TECHNOLOGY USING HFSS SOFTWARE”, is being submitted by G. KAVEETHA (199Y1A0447), G. UPENDRA (199Y1A0440), B.SANGEETHA (199Y1A0410), B. AJAY KUMAR (199Y1A0408), B. UDAY KUMAR (199Y1A0411) to K.S.R.M College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the year 2022-2023.**

Project guide:

**MISS SHAIK JABEEN, M.Tech. (Ph.D)**

**Assistant Professor,**

**Dept. of E.C.E.**

Head of the Department:

**Dr . G. HEMALATHA, M.Tech., Ph.D.**

**Professor & HOD,**

**Dept. of E.C.E.**

Date: 18/05/2023

Internal Examiner

External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING**

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**(An ISO 14001:2015 Certified Institution)**

**KADAPA – 516003 (A.P.)**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “DESIGN AND IMPLEMENTATION OF MULTIPLE MASTER, MULTIPLE SLAVE INTERFACE IN AMBA AHB PROTOCOL”, is being submitted by C. NEETHA (199Y1A0429), D. VARSHINI (199Y1A0434), K. SAI BHARATH (199Y1A0461), K. SUNANDA (199Y1A0466) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

**Project guide:**

*P. Swetha*

**Miss. P. Swetha, M.Tech.,**

**Assistant Professor,**

**Dept. of E.C.E.**

**Head of the Department:**

*G. Hemalatha*

**Dr. G. HEMALATHA, M.Tech., Ph.D.**

**Professor & HOD,**

**Dept. of E.C.E.**

**Date:** 18/5/2023

*G. Hemalatha*  
**Internal Examiner**

*[Signature]*  
**External Examiner**

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**KADAPA – 516003 (A.P.)**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



## **CERTIFICATE**

This is to certify that the Project Report entitled “HEART SOUND CLASSIFICATION USING DEEP LEARNING” is being submitted by the **AKULA VENKATESH (199Y1A0401), BOOSI VENKATA SAINATH REDDY (199Y1A0415), GANGIREDDY SAI PRAVALLIKA (199Y1A0446), GUNDLURU SHAIK MOHAMMED SAIF ALI (199Y1A0454), GOPANA VISHNUVARDHAN NAIDU (199Y1A0449),** to **K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa** in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

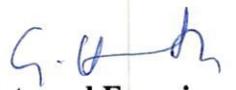
  
**Project guide:**

**Smt.R. ARUNA, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.**

  
**Head of the Department:**

**Dr. G. HEMALATHA, M.Tech., Ph.D.,  
Professor & HOD,  
Dept. of E.C.E.**

**Date: 18/05/23**

  
**Internal Examiner**

  
**External Examiner**

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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to be certified that the project report entitled “BREAST CANCER DETECTION THROUGH 3D MAMMOGRAM”, is being submitted by K. ANUSHA (199Y1A0457), C. GEETHA PRIYA (199Y1A026), C. VARA PRASAD (199Y1A0422), CH. SANDEEP REDDY (199Y1A0428) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

Project guide:

Smt.T. Uma Maheshwari., MTech., (Ph.D.)

Assistant Professor

Dept. of E.C.E.

Head of the Department:

Dr. G. HEMALATHA, MTech., Ph.D.

Professor & HOD,

Dept. of E.C.E.

Date: 18-05-23

  
Internal Examiner  
External Examiner

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(An ISO 14001:2015 Certified Institution)

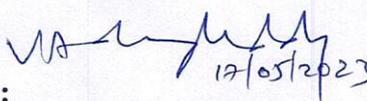
KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



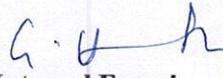
**CERTIFICATE**

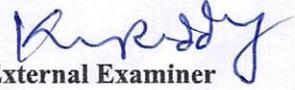
This is to certified that the project report entitled “A LOW-POWER TIMING-ERROR-TOLERANT CIRCUIT BY CONTROLLING A CLOCK”, is being submitted by A. VANAJA (199Y1A0406), D. ANUSHA (199Y1A0435), G. SAI SUMANTH (199Y1A0453), J. VINOD (199Y1A0456) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfillment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

  
Project guide:  
Dr. V. ADINARAYANA REDDY, M.Tech., Ph.D.,  
Professor & Dean Academics  
Dept. of E.C.E.

  
Head of the Department:  
Dr. G. HEMALATHA, M.Tech., Ph.D.,  
Professor & HOD,  
Dept. of E.C.E.

Date: 18/05/2023

  
Internal Examiner

  
External Examiner

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(An ISO 14001:2015 Certified Institution) KADAPA

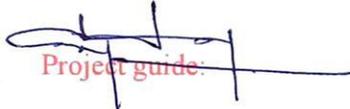
- 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



## CERTIFICATE

This is to certified that the project report entitled "TRAJECTORY OF THE CYCLONE IN SATELLITE VIDEO USING ADVANCED MACHINE LEARNING TECHNIQUES" is being submitted by K.S. GOWTHAMI (199Y1A0458), KAYALA JANARDHANA (199Y1A0467), GOLLA PRASANNA KUMAR (199Y1A0448), KALLURI KHAJABEE (199Y1A0462) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONICS AND COMMUNICATION ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

  
Project guide:

Dr. D. ARUN KUMAR

M. Tech, Ph.D.,

Associate Professor & Dept. of E.C.E

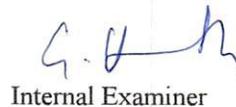
  
Head of the Department:

Dr. G. HEMALATHA

M. Tech, Ph.D., Professor

HOD & Dept. of E.C.E

Date: 18-05-2023

  
Internal Examiner

  
External Examiner

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KADAPA – 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



## CERTIFICATE

This is to certified that the project report entitled “**CRACK DETECTION IN RAILWAY TRACK**”, is being submitted by **C. SAI PRAKASH REDDY (199Y1A0425), A. V. PAVAN KUMAR REDDY (199Y1A0407), G. SHARATH (199Y1A0452), K.SREE VIDYA (199Y1A0463)**, to **K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa** in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

*A.V. Basha*  
18/5/23

Project guide:

**Dr. VALLI BASHA**, M.Tech., Ph.D.  
Assistant Professor,  
Dept. of E.C.E.

*G. Hemalatha*

Head of the Department:

**Dr. G. HEMALATHA**, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.

Date: 18/05/23

*G. Hemalatha*  
Internal Examiner

*K. Sree Vidya*  
External Examiner

# **VOICE CONTROLLED ROBOTIC VEHICLE BY USING ARDUINO**

## **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)**

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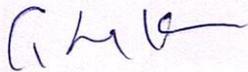
KADAPA – 516003 (A.P.)

### **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



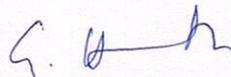
### **CERTIFICATE**

**This is to certified that the project report entitled “VOICE CONTROLLED ROBOTIC VEHICLE BY USING ARDUINO, is being Submitted by A. LAVANYA(199Y1A0404),, J. ANJALI(199Y1A0455),,B. MALATHI(199Y1A0416),,C.ANKAIHAH(199Y1A0424),, to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**



**Project guide:**

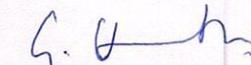
**Sri.G.Suneel Kumar, M. Tech.,  
Assistant Professor,  
Dept. of E.C.E.**



**Head of the Department:**

**Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.**

**Date: 18/05/2023**



**Internal Examiner**



**External Examiner**

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(AUTONOMOUS)

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

(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

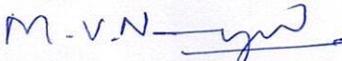
KADAPA – 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



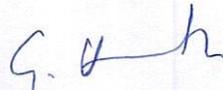
## CERTIFICATE

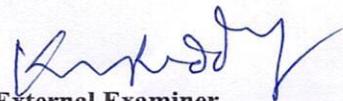
This is to certified that the project report entitled “SMART EYE – IMAGE TEXT TO MULTILINGUAL LANGUAGES USING RASPI PP”, is being submitted by G.SWARNALATHA(199Y1A0444),G.NAVYATEJASREE(199Y1A0442),C.MADHURIM A(199Y1A0431)to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

Project guide:   
Dr. M. Venkatanarayana, M.Tech., Ph.D.,  
Professor, Dean, R&D Cell  
Dept. of E.C.E.

  
Head of the Department:  
Dr. G. HEMALATHA, M.Tech., Ph.D  
Professor & HOD,  
Dept. of E.C.E.

Date: 18/05/2023

  
Internal Examiner

  
External Examiner

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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “SMART UMBRELLA”, is being submitted by K. SOWMYA PRIYA (199Y1A0459), C. SAI SUSMITHA (199Y1A0421) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfillment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

**PROJECT GUIDE:**   
**Sri R.V. SREEHARI, M.E.,**  
Associate Professor,  
Dept. of E.C.E.

  
**HEAD OF THE DEPARTMENT:**  
**Dr.G. HEMALATHA, M.Tech., Ph.D.**  
Prof., & HOD,  
Dept. of E.C.E.

**Date:** 18/05/2023

  
**Internal Examiner**

  
**External Examiner**

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**CERTIFICATE**

This is to certified that the project report entitled “WATER LEVEL MONITORING AND CONTROLLING SYSTEM USING IOT”, is being submitted by D. MOUNIKA (199Y1A0432) and G.K.S.SREEDHANYA (199Y1A0451) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

Project guide:

Dr. G. HEMALATHA, M. Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Head of the Department:

Dr. G. HEMALATHA, M. Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Date:

18/05/2023

Internal Examiner

External Examiner

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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “SMART LOCK”, is being submitted by BINGIMALLA VENKATA THARUN KUMAR (199Y1A0413), GANDOLLA VENKATA SIVA SAI MANI MADHAVAN(199Y1A0445), to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

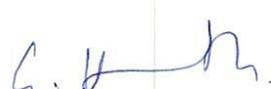
Project guide:

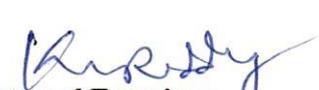
  
Sri. R.V. SREEHARI, M.E.,  
Associate Professor,  
Dept. of E.C.E.

  
Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Date: 18-05-2023

  
Internal Examiner

  
External Examiner

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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

This is to certified that the project report entitled “**VEHICLE TRACKING SYSTEM**”, is being submitted by **C. TEJESH KUMAR REDDY (199Y1A0418)** to **K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa** in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period **2022-2023**.

Project guide:   
Sri. R.V. SREEHARI, M.E.,  
Associate Professor,  
Dept. of E.C.E.

  
Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Date: 18/05/2023

  
Internal Examiner

  
External Examiner

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(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

**KADAPA – 516003 (A.P.)**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

This is to certify that the project report entitled “**IoT based Road traffic Prediction in the framework of Machine Learning**”, being submitted by **KONDURU SUMITHRA (199Y1A0474), MURARI PRANITHA (199Y1A04A5), NALLABOTHULA POORNIMA (199Y1A04A9), K.EESHITHA RACHANA (199Y1A0473), PADMA VAMSI (199Y1A04B5)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

Project guide:

**Dr. V. Adinarayana Reddy**, M. Tech., Ph.D.  
Dean Academics,  
Dept. of E.C.E.

Head of the Department:

**Dr. G. HEMALATHA**, M. Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Date: 19/05/2023  
Examiner

  
Internal Examiner  
External

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(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

This is to certified that the project report entitled **DOMAIN ADAPTAION AND  
IMAGE SCENE CLASSIFICATION USING ML TECHNIQUES**

,is being submitted by **MURARI SRAVANTHI(199Y1A04A6), MUTHYALA.VENKATA.  
SUBRAMANYAM(199Y1A04A7), MUMMADI GNANESWAR REDDY(199Y1A04A2),  
NETTEM SAINATH(199Y1A04B2), MALISETTY GIRI BABU(199Y1A0491)** to K.S.R.M.  
College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements  
for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND  
COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by  
them under our supervision during the period 2022-2023.

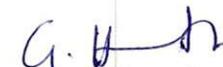
  
Project guide:

**Dr. D. ARUN KUMAR**, M. tech, Ph.D.  
Associate Professor,  
Dept. of E.C.E.

  
Head of the Department:

**Dr. G. HEMALATHA**, M. Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Date: 19/05/23

  
Internal Examiner

  
External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING  
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(An ISO 14001:2015 Certified Institution)  
KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled "DESIGN AND IMPLEMENTATION OF VEHICLE DATA TRANSMISSION PROTOCOL USING PRESENT ALGORITHM", is being submitted by P.GEETHA REDDY(199Y1A04C5),K.B. YERRISWAMY (199Y1A0480), SHAIK FIROZ (199Y1A04D7), K.SAI KRISHNA (199Y1A04D2), M. CHANDRA SHEKAR(199Y1A0495) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONICS AND COMMUNICATION ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

Project guide:

**Sri. K. Pavan Kumar, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.**

Head of the Department:

**Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.**

Date: 19/05/2023

**Internal Examiner**

**External Examiner**

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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “Lossless EEG Compression Algorithm Based on Semi-Supervised Learning for VLSI Implementation”, is being submitted by M.SREEVANI(199Y1A0489),K.PRATYUSHA(199Y1A0472),M.NAVANEETHA (199Y1A0499),K.ANJI(199Y1A0482),K.SAIPRAKASH(199Y1A0484) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2018-2019.**

  
**Project guide:**

**Sri. M. PRABHAKAR, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.**

  
**Head of the Department:**

**Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.**

**Date:** 19/05/2023

  
**Internal Examiner:**

  
**External:**

**K.S.R.M.COLLEGE OF ENGINEERING  
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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

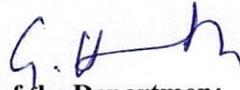


**CERTIFICATE**

This is to certified that the project report entitled “VLSI Implementation of ErrorDetection and Correction Codes for Space Engineering”,is being submitted by M.PAVANI (199Y1A04A0) , M.SUDHARANI(199Y1A0493),M.RUCHITHA(199Y1A04A3), P.OBULAI AH(199Y1A04B7), S.JAVEED (199Y1A04D9) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

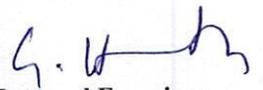
Project guide:   
Smt.K.Divya Lakshmi M.Tech.,

Assistant Professor,  
Dept. of E.C.E.

  
Head of the Department:  
Dr. G. HEMALATHA, M.Tech., Ph.D

Professor & HOD,  
Dept. of E.C.E.

Date: 19/05/2023

  
Internal Examiner

  
External Examiner

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(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “DESIGN AND IMPLEMENTATION OF 32-BIT ADDERS USING DIFFERENT ADDERS”, is being submitted by S.Lakshmi prasanna (199Y1A04D1), K.Neha (199Y1A0475), R.Niharika (199Y1A04C8), R.Madhu sudhan(199Y1A04C9), K.Lakshmi Narayana (199Y1A0470) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

**Project guide:**

**Sri. P. SUBBARAYUDU, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.**

**Head of the Department:**

**Dr. G. HEMALATHA, M.Tech.,Ph.D.  
Professor & HOD,  
Dept. of E.C.E.**

**Date: 19-5-2023**

**Internal Examiner**

**External Examiner**

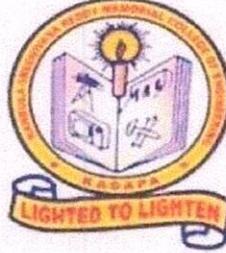
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KADAPA – 516003 (A.P.)

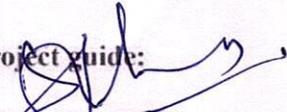
## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



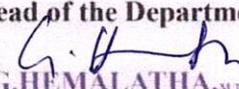
### CERTIFICATE

This is to certified that the project report entitled “**RADAR SIGNALS CLASSIFICATION UNDER NOISSY ENVIRONMENT USING 1D CONVOLUTION**”, is being submitted by **P. SAI PRAJWAL (199Y1A04C2) K. VENKATESH (199Y1A0479) S. CHARITHA (199Y1A04D3) S K SIVA CHARAN REDDY (199Y1A04D0) L. RUPESH BABU (199Y1A0486)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

Project guide:

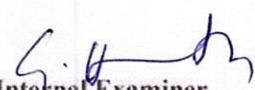
  
Miss. S. JABEEN, M.Tech., (Ph.D.),  
Assistant Professor,  
of E.C.E.

Head of the Department:

  
Dr. G. HEMALATHA, M.Tech., Ph.D.,  
Professor & HOD, Dept.  
Dept. of E.C.E.

Date:

19/05/2023

  
Internal Examiner

  
External Examiner

**K.S.R.M COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

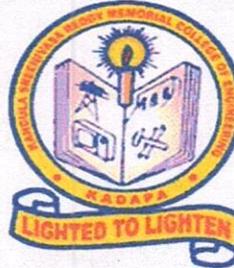
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(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

KADAPA – 516005 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

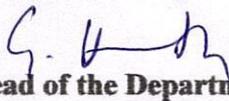
This is to certified that the project report entitled “A NOVEL DESIGN OF HIGH-SPEED 1-BIT ADDER USING CMOS LOGIC STRUCTURES”, is being submitted by PESALA SUDHA KOUSHIK (199Y1A04C4), KETHIREDDY PRASANTHI (199Y1A0469), SHAIK JEELAN (199Y1A04E0), PALLAM SUMATHI (199Y1A04B8), MOPURI GOUTHAM (199Y1A0498) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

  
Project guide:

**Dr. M. MADHUSUDHAN REDDY, M.Tech., Ph.D.,**

**Associate Professor,**

**Dept. of E.C.E.**

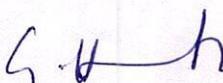
  
Head of the Department:

**Dr. G. HEMALATHA, M.Tech., Ph.D.**

**Professor & HOD,**

**Dept. of E.C.E.**

**Date: 19/05/2023**

  
**Internal Examiner**

  
**External Examiner**

**K.S.R.M. COLLEGE OF ENGINEERING, KADAPA**  
**(UGC-AUTONOMOUS)**

Kadapa, Andhra Pradesh, India– 516005

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001: 2015 Certified Institution

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



**CERTIFICATE**

**This is to certified that the project report entitled “BOOK READER FOR VISUALLY IMPAIRED”, being submitted by**

**P. BHUMIKA (199Y1A04B3)**

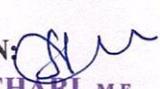
**N. JYOTHIKA (199Y1A04B0)**

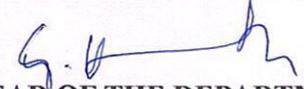
**R. KEERTHANA (199Y1A04C8)**

**S. JAFRULLAH (199Y1A04D8)**

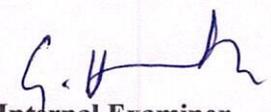
**S. SUDHEER REDDY (199Y1A04D5)**

**to K.S.R.M. College of Engineering (UGC-AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

**SUPERVISION:**   
**Sri R. V. SREEHARI, M.E.,**  
Associate Professor,  
Dept. of E.C.E.

  
**HEAD OF THE DEPARTMENT:**  
**Dr. G. HEMALATHA, M.Tech., Ph.D.**  
Professor & HOD,  
Dept. of E.C.E.

Date: 19/05/23

  
Internal Examiner

  
External Examiner

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(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

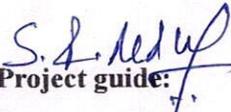
KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “IMAGE COMPRESSION BASED ON NON-UNIFORM PARTITION”, is being submitted by P.NAVEENA REDDY (199Y1A04C6), S. SAI KUMAR REDDY (199Y1A04D8), M.SAI VARDHAN NAIDU (199Y1A0487), M.PRAKASH REDDY (199Y1A0490), K.LAKSHMANNA(199Y1A0483) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

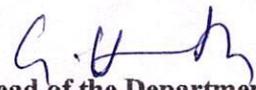
  
Project guide:

**Dr.S.L. Prathapa Reddy, M.Tech., Ph.D.**

Associate Professor,

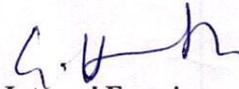
Dept. of E.C.E.

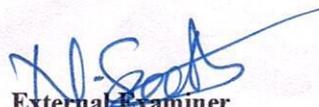
Date: 19/05/2023

  
Head of the Department:

**Dr. G. HEMALATHA, M.Tech., Ph.D.**

Professor & HOD, Dept.E.C.E.

  
Internal Examiner

  
External Examiner

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KADAPA – 516003 (A.P.)

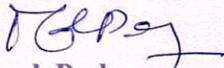
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

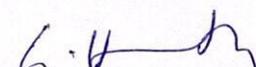


**CERTIFICATE**

**This is to certified that the project report entitled “DESIGN OF HIGH SPEED, LOW POWER 16X16 VEDIC MULTIPLIER”, is being submitted by M.V SAINATH REDDY (199Y1A0488), N.MANEESHA(199Y1A04B1), K.CHANDRA SHEKAR REDDY (199Y1A0476), M.GANGADHAR REDDY(199Y1A0497), P.VENKATA ANJANEYALU (199Y1A04B4), N.BRAHMAM(199Y1A04A8) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

Project guide:

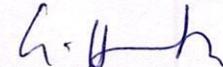
  
Dr. Md. Mahaboob Pasha, M. Tech., Ph.D.,  
Associate Professor,  
Dept. of E.C.E.

  
Head of the Department:

Dr. G. HEMALATHA, M. Tech., Ph.D.,  
Professor & HOD,  
Dept. of E.C.E.

Date:

19/05/23

  
Internal Examiner

  
External Examiner

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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “INDUSTRIAL MONITORING SYSTEM USING NI-DAQ”, is being submitted by K. ARCHANA (199Y1A0477), D. HARIPRIYA (199Y1A0436), P. LINGESWARAMMA (199Y1A04C0), M.HARIKA (199Y1A0492), K. SAI CHARAN (199Y1A0471) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

**Project guide:**

**Dr. M. VENKATANARAYANA, M.Tech., Ph.D.**  
Professor,  
Dept. of E.C.E.

**Head of the Department:**

**Dr. G. HEMALATHA, M.Tech., Ph.D.**  
Professor & HOD,  
Dept. of E.C.E.

**Date:**

19/05/2023

**Internal Examiner**

**External Examine**

**K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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(An ISO 14001:2015 Certified Institution)

KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “CAMPUS RADIO”, is being submitted by M.V. MANISHA (199Y1A0496), P. THULASI SREE (199Y1A04C1), S. SUJITA (199Y1A04D4) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

Project guide:

Dr. SYED ZAHIRUDDIN, M.Tech., Ph.D.

Associate Professor,

Dept. of E.C.E.

Head of the Department:

Dr. G. HEMALATHA, M. Tech., Ph.D.

Professor & HOD,

Dept. of E.C.E.

Date:

19/05/2023

Internal Examiner

External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING  
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(An ISO 14001:2015 Certified Institution)

KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

This is to certify that the project report entitled “A remote sensing approach for monitoring and analysis of Land Use and Land cover (LULC) classification over an area using high resolution satellite data,” is being submitted by V. YUVARAJU (199Y1A04H4), Y. VINAY KUMAR (199Y1A04H8), N. NARASIMHA REDDY (209Y5A0415), S. SAMEER AHAMMAD (199Y1A04F1), U. ANUHYA BHAI (W) (199Y1A04G8) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

Project Guide:

**Sri R.V. SREEHARI, M.E.,**  
Associate Professor  
Dept. of E.C.E.

Head of the Department:

**Dr. G. HEMALATHA, M.Tech.,**  
Ph.D.,  
Professor & HOD  
Dept. of E.C.E.

Date: 17/5/23

  
Internal Examiner  
External Examiner

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(Accredited by NAAC, New Delhi)

(An ISO 14001: 2015 Certified Institution)

Kadapa – 516003 (A.P.)

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



### CERTIFICATE

This is to certified that the project report entitled “**BLOOD CELL IDENTIFICATION USING IMAGE PROCESSING TECHNIQUES**”, is being submitted by Y.SUNANDAMMA(199Y1A04H1),Y.SOWMYALATHA(199Y1A04H9),M.SHARANYA (209Y5A04H1), S.RUMMESA KOUSAR(199Y1A04E7), TAKASH REDDY (199Y1A04G5), T.SIVAJI(199Y1A04G7) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

A. V. Bhasha 16/03/23

**Project Guide:**

Dr. A.VALLI BHASHA, M.Tech., Ph.D.,  
Assistant Professor,  
Dept. of E.C.E.

**Head of the Department:**

Dr. G. HEMALATHA, M.Tech., Ph.D.,  
Professor & HOD,  
Dept. of E.C.E.

Date: 18/5/23

  
Internal Examiner  
External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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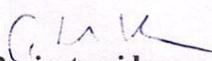
KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

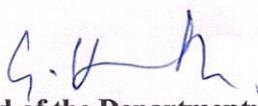


**CERTIFICATE**

**This is to certified that the project report entitled “SMART MONITORING SYSTEM USING ESP32 CAM BY DEEP LEARNING”, is being submitted by Y.SWESHITHA (199Y1A04I4), G.NISHMAJA PRAVALLIKA (209Y5A0406), S.MUNAZZAH FATIMA (199Y1A04E5), T.SIVA THULASIDHAR (199Y1A04G2), V.NARESH (199Y1A04H6) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

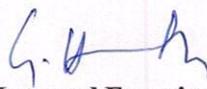
  
Project guide:

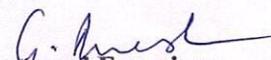
**Sri. G. SUNEEL KUMAR, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.**

  
Head of the Department:

**Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.**

Date: 17/5/23

  
Internal Examiner

  
External Examiner

# K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

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

(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

KADAPA – 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



## CERTIFICATE

This is to certified that the project report entitled “**BRAIN TUMOR DETECTION USING CONVOLUTIONAL NEURAL NETWORKS**”, is being submitted by M.VENKATA HARIKA (209Y5A0413), S.BALA SIDDARATHA (209Y5A0418), G.VIJAY KUMAR YADAV (209Y5A0405), V.HEMANTH SAI REDDY (199Y1A04H3), V.RAMA VARUN REDDY (199Y1A04H1) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

Project guide:

Sri. Y. VENKATESWARA RAJU, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.

Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Date: 17/05/2023

  
Internal Examiner  
External Examiner

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Institution)KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING**



**CERTIFICATE**

**This is to certified that the project report entitled “IOT BASED SMART WATER QUALITY MONITORING SYSTEM”, is being submitted by L. NIHARIKA (209Y5A0410), T. NAVEEN KUMAR (199Y1A04G6),Y. OBUL REDDY (199Y1A04I3),K. MOHAN VAMSI (209Y5A0408) ,S. VENKATA NAGA SAI (199Y1A04F3) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022- 2023.**

**Project guide:**

**Sri. P. KRISHNA TEJA YADAV, M.Tech,  
Assistant Professor,  
Dept. of E.C.E.**

**Head of the Department:**

**Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.**

**Date: 17-05-2023**

**Internal Examiner**

**External Examiner**

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KADAPA – 516003 (A.P.)

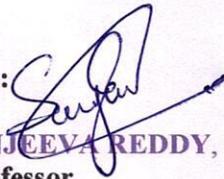
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



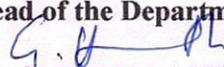
## CERTIFICATE

This is to certified that the project report entitled “ WEED IDENTIFICATION USING DEEPLARNING & IMAGE PROCESSING IN VEGETABLE PLANTATION”, is being submitted by Y.PAVANI(199Y1A04I2),E.VENKATA RAMANA(209Y5A0403) K.MANJUNATHA(209Y5A0407),S.MAHAMMAD RIYAZ (199Y1A04E1), V.SARATH KUMAR YADAV (199Y1A04H0)to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OFTECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

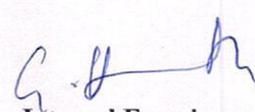
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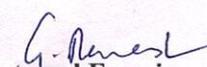
  
Sri. G.A.SANJEEVA REDDY, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.

Head of the Department:

  
Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Date: 17/05/2023

  
Internal Examiner

  
External Examiner

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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

This is to certified that the project report entitled “MEDICAL IMAGE FUSION BASED ON DEEP LEARNING”, is being submitted by V.SWETHA (199Y1A04G9), T.RAMANJANEYULU (199Y1A04G1), Y.BHARATHI (199Y1A04I9), S.SADAK ALI (199Y1A04E8), T.SAI AKHILA (199Y1A04G3) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2020-2021.

Project guide: 

Smt. Y. Sravanthi, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.

  
Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.

Date: 17-5-2023

  
Internal Examiner

  
External Examiner

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KADAPA – 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



## CERTIFICATE

This is to certified that the project report entitled “SMART VEHICULAR COMMUNICATION SYSTEM USING LIFI TECHNOLOGY”, is being submitted by TELLADARLA MANASA(209Y5A0419),PALLA VENKATA LAKSHMI (209Y5A0416), SURABHI LAKSHMI PRIYA (199Y1A04F6),SHAIK MUSAB AHMED(199Y1A04E6), SREERAMULU GARI SANTHOSH(199Y1A04F4) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

Project guide:

Smt.U. Nagamani, M.Tech.,  
Assistant Professor

Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D  
Professor & HOD, Dept. of E.C.E .

date: 17/05/23

Internal Examiner

External Examiner

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KADAPA – 516003 (A.P.)

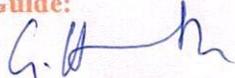
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



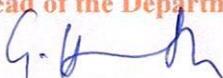
**CERTIFICATE**

This is to certify that the project report entitled “**CROP CLASSIFICATION USING REMOTE SENSING**” is being submitted by **S. SUDHARSHAN (199Y1A04F0), D. MANEESHA (209Y5A0401), Y. THARUN KUMAR REDDY (199Y1A04I8), V. VISHNU NAGA VARDHAN REDDY (199Y1A04H2), S.SARVESWAR REDDY (199Y1A04F2)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

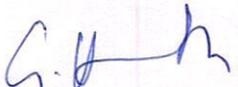
**Project Guide:**

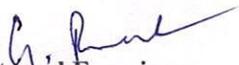
  
**Dr. G. HEMALATHA, M. Tech., Ph.D.,  
Professor & HOD  
Dept. of E.C.E.**

**Head of the Department:**

  
**Dr. G. HEMALATHA, M. Tech., Ph.D.,  
Professor & HOD  
Dept. of E.C.E.**

Date: 17/05/2023

  
Internal Examiner

  
External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING

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(An ISO 9001:2018, 14001:2004 Certified Institutions)

KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



## CERTIFICATE

This is to certify that the “**Project report**” entitled “**ELECTRONIC VOTING SYSTEM WITH RASPBERRY PI**”, is being submitted by **E. NEELAVATHI (209Y5A0402)**, **G.MANICHANDANA (209Y5A0404)**, **V. VENKATARAMANA (199Y1A04H5)**, **S.VISHNU VARDHAN REDDY (199Y1A04F5)**, **Y.RAJINIKANTH (199Y1A04I7)** To **K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa** in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a Bonafide record of the Project work carried out by them under our supervision during the period 2022-2023.

Project guide:

*S. Zahiruddin*  
FHS/23

**Dr. S. ZAHIRUDDIN** M.Tech., Ph.D.

Associate Professor

Dept. Of E.C.E.

Head of the Department:

*G. Hemalatha*  
**Dr. G. HEMALATHA** M. Tech., Ph.D.

Professor and HOD,

Dept. Of E.C.E.

Date: 17/05/2023

*G. Hemalatha*  
Internal Examiner

*G. Hemalatha*  
External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING, KADAPA

(AUTONOMOUS)

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(Accredited by NAAC, New Delhi)

(An ISO 14001: 2015 Certified Institution)

Kadapa, - 516003(A.P)

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



### CERTIFICATE

This is to certify that the Project Report entitled “LUNG CANCER DETECTION BY USING FUZZY CLUSTERING METHOD”, is begin submitted by S.NANDINI (199Y1A04F8), M.VENKATA RAMANA (209Y5A0412), M. REDDI SEKHAR NAIDU (209Y5A0414), S. MOHAMMED GHOUSE (199Y1A04E3), M. BHARATH REDDY (199Y1A04J0), S.VENKATESWARLU (199Y1A04F7), to K.S.R.M College of Engineering (AUTONOMOUS), Kadapa in partial fulfillment of the requirement for the Award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS & COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them our supervision during the period 2022-2023.

Project Guide:

Sri. K. PAVAN KUMAR, M.Tech.,  
Assistant professor,  
Dept. of E.C.E.

Date: 17-05-2023

Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.,  
Professor & HOD,  
Dept. of E.C.E

Internal Examiner

External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

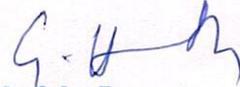


**CERTIFICATE**

**This is to certified that the project report entitled “SELF DEFENCE SYSTEM FOR WOMEN WITH SMART WATCH” is being submitted by T.DEEPTHI(199Y1A04G4),Y.APARNA(199Y1A04I5),YC.PUNITH (199Y1A04I6), K.ARAVIND KUMAR (209Y5A0409),S.MOHAMMAD YASEEN(199Y1A04E4) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.**

  
Subject guide:

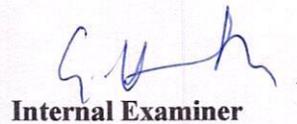
**Smt.S.SHARMILA BANU, M.Tech.,  
Assistant Professor,  
Dept. of E.C.E.**

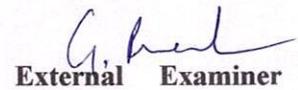


**Head of the Department:**

**Dr. G. HEMALATHA, M.Tech., Ph.D.  
Professor & HOD,  
Dept. of E.C.E.**

**Date: 17-05-2023**

  
**Internal Examiner**

  
**External Examiner**

# K.S.R.M. COLLEGE OF ENGINEERING

**(AUTONOMOUS)**

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(Accredited by NAAC, New Delhi)

(An ISO 14001:2015 Certified Institution)

KADAPA – 516003 (A.P.)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



## CERTIFICATE

This is to certify that the project report entitled “**MACHINE LEARNING TECHNIQUES FOR CYBER ATTACK DETECTION**” is being submitted by **P. SUBHASH REDDY(209Y5A0417), T. MOUNIKA(199Y1A04F9), S. MEHA TAJ(199Y1A04E2), T. V. SUBBA REDDY(199Y1A04G0), S. YUNOOSH HUSSAIN(199Y1A04E9), Y. VAMSI KRISHNA (199Y1A04I0)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2022-2023.

**Project Guide:**

**Sri M. PRABHAKAR, M. Tech.,  
Assistant Professor  
Dept. of E.C.E.**

**Head of the Department:**

**Dr. G. HEMALATHA, M. Tech.,  
Ph.D.,  
Professor & HOD  
Dept. of E.C.E.**

Date: 17-05-2023

**Internal Examiner**

**External Examiner**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516005 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled “HIDING ALL MEDIA DATA USING COMBINATION OF CRYPTOGRAPHY, COMPRESSION AND STEGANOGRAPHY TECHNIQUES”, is a bonafide project record work done and submitted by P. NAGA PRASHANTHI (199Y1A05C3), K. RAM ANUSHA (199Y1A0569), K. YOJITHA (199Y1A0582), P. INDU (199Y1A05B7) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

**GUIDE:**

**Smt. K. Sujana Kumari**, M.Tech.,

Assistant Professor,  
Dept. of CSE.

**HEAD OF THE DEPARTMENT**  
**Dr. V. Lokeswara Reddy**, M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE,  
KADAPA - 516 005.

Date: 24-05-23

Internal Examiner

External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
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Ananthapuramu)(Accredited by NAAC, Bangalore)  
(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P.)

2022-2023



CERTIFICATE

This is to certify that the project report entitled “A NOVEL WEB ATTACK  
DETECTION SYSTEM FOR INTERNET OF THINGS VIA ENSEMBLE  
CLASSIFICATION” done by D.GOWTHAMI(199Y1A0539),C.ARUNA (199Y1A0533),  
C.RENUKA (199Y1A0527), B.PRAVALLIKA(199Y1A0524) Submitted by to the  
department of Computer Science and Engineering, in partial fulfillment of the requirements  
for the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE AND  
ENGINEERING** from J.N.T.U.A., ANANTAPURAMU during the year of 2022-2023.

**GUIDE:**

*ZS*  
Miss Z.Shobha rani , M.Tech  
Assistant Professor,  
Dept. of CSE.

*V. Lokeswara Reddy*  
**HEAD OF THE DEPARTMENT:**  
**Dr. V. LOKESWARA REDDY**  
Dr.V. Lokeswara Reddy, M.Tech., Ph.D.,  
Professor & HoD  
Professor & HOD CSE  
Dept. of CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/05/23

*V. Lokeswara Reddy*  
Internal Examiner

*24/5/23*  
External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)  
(Accredited by NAAC, Bangalore)  
(An ISO 9001:2015 Certified Institution)  
KADAPA – 516 003 (A.P.)  
2019-2023



CERTIFICATE

This is to certify that the project report entitled “**AIR QUALITY MONITORING SYSTEM USING IOT**” is a bonafide project record work done and submitted by M.L.N.REDDY REG.NO.199Y1A0598, M. BHAVANA REG.NO. 199Y1A0591, P. SULEMAN KHAN REG.NO.199Y1A05C5, J.NAVYA CHARITHA REG.NO. 199Y1A0564, T.NAZMA HEPHULLA REG.NO.199Y1A05H0 in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year 2019-2020.

*Sept*  
GUIDE:

Sri. A. RAMPRAKASH REDDY M.Tech.,  
Assistant Professor,  
Dept. of CSE.

*Reddy*  
HEAD OF DEPARTMENT:  
DR. V. LOKESWARA REDDY  
M.Tech., Ph.D.,  
Professor & HOD,  
Dept. of Prof. & HOD CSE  
K.S.R.M. College of Engineering (Autonomous),  
KADAPA - 516 005.

Date: 24/05/2023

*Reddy*  
Internal Examiner

*Yes*  
External Examiner

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)(Accredited  
by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA-516005(A.P.)

2022-2023



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "**MULTIPLE FACE MASK DETECTION USING DEEP LEARNING**", done by D.DEEPIKA (199Y1A0538), C.BHARGAVI (199Y1A0531), B.SNEHALATHA (199Y1A0519) in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

*Anitha*  
Project Guide:

**Miss. T. ANITHA**, M.Tech.,  
Assistant Professor,  
Dept. of CSE.

*Dr. V. Lokeswara Reddy*  
Dr. V. LOKESWARA REDDY  
M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Head of the department

**Dr.V. Lokeswara Reddy**, M.Tech., Ph.D.,  
Professor & HoD,  
Dept. of CSE.

DATE: 24/05/23

*Dr. V. Lokeswara Reddy*  
INTERNAL EXAMINER

*Dr. V. Lokeswara Reddy*  
EXTERNAL EXAMINER

24/5/23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING

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KADAPA – 516005 (A.P.)

2022-2023



### BONAFIDE CERTIFICATE

This is to certify that the project report entitled, “**IMPROVED DRIVER DROWSINESS DETECTION BASED ON EYE MOVEMENTS USING THE K-NN ALGORITHM**” done by A. LALITHA 199Y1A0504, E. PRASANNA 199Y1A0547, B. CHAITHANYA 199Y1A0526, B. SUMITHRA 199Y1A0517 Submitted to the department of Computer Science and Engineering, in partial fulfilment of the requirements for the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE AND ENGINEERING** from J.N.T.U.A., ANANTHAPURAMU during the year of 2022-2023.

Project Guide:

  
**Smt. B. SWETHA** M.Tech.,(Ph.D.,)  
Assistant Professor,  
Dept. of CSE.

Head of the department:

  
**Dr. V. Lokeswara Reddy** M.Tech., Ph.D.,  
Professor and HoD,

**DR. V. LOKESWARA REDDY**  
M.Tech., Ph.D.  
Professor & HOD CSE

K.S.R.M. College of Engineering  
KADAPA - 516 005,

  
EXTERNAL EXAMINER

  
INTERNAL EXAMINER

DATE: 24-5-23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005(A.P.)

2022-2023



CERTIFICATE

This is to certify that the project report entitled “**VEHICLE SPEED DETECTION**”, done by A.LIKHITHA 199Y1A0510, B.ANUSHA 199Y1A0522, I.NAGAMANI 199Y1A0562 , V.SANDYA RANI 189Y1A05F1, A.RUKMINI 199Y1A0507 in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

*V. Sudha*  
GUIDE:

Smt. V. SUDHA, M.Tech., (Ph.D.)  
Assistant Professor,  
Dept. of CSE.

*Dr. V. Lokeswara Reddy*

HEAD OF THE DEPARTMENT:  
Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,  
Professor & HOD CSE  
Dept. of CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/05/2023

*Dr. V. Lokeswara Reddy*  
Internal Examiner

*Chagga*  
External Examiner

24/5/23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by National Board of Accreditation (NBA), NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 003 (A.P.)

2022-2023



CERTIFICATE

This is to certify that the project report entitled **FACIAL RECOGNITION FOR CRIMINAL IDENTIFICATION** done by A. LAKSHMI NARASIMHA GANAPATHI (199Y1A0503), A. HARI KRISHNA (199Y1A0501), A. PAVAN KALYAN (199Y1A0505), G. JAYA BHARATH (199Y1A0558) in partial fulfillment of the requirements for the award of **BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAM** during the year 2022-2023.

*[Handwritten Signature]*  
23/5/23

**PROJECT GUIDE:**

**Dr.S. Nageswara Rao**, M.Tech., Ph.D.,  
Associate Professor,  
Dept. of CSE.

*[Handwritten Signature]*

**HEAD OF THE DEPARTMENT:**

**Dr. V. LOKESWARA REDDY**  
Dr. V. Lokeshwara Reddy, M.Tech., Ph.D.,  
Professor & HOD  
Dept. of CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/05/23

*[Handwritten Signature]*  
Internal Examiner

*[Handwritten Signature]*  
External Examiner

24/5/23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

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(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



## BONAFIDE CERTIFICATE

This is to certify that the project report entitled “**Finding Psychological Instability Using Machine Learning**”, done by D. VENKATA HANUMA TEJA 199Y1A0537, D. KASIM HUSSAIN 199Y1A0545 ,B.DINESHWAR REDDY 199Y1A0516 ,G.MALLIKARJUNA 199Y1A0554 in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

SIGNATURE OF PROJECT GUIDE:

**Dr. N. Ramanjaneya Reddy Ph.D.,**  
Associate Professor,  
Dept. of CSE.

SIGNATURE OF THE HEAD OF THE DEPARTMENT:

**Dr. V. Lokeshwara Reddy M.Tech., Ph.D.,**  
Professor & HOD CSE,  
Dept. of Computer Science and Engineering (Autonomous)  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24-05-2023

Internal Examiner

External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

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(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA - 516005(A.P.)

2022-2023

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



### CERTIFICATE

This is to certify that the project report entitled "**CORONARY ARTERY DISEASE PREDICTION SYSTEM USING MACHINE LEARNING**", is a bonafide project work done and submitted by **G. DILEEP KUMAR 199Y1A0559, D. SANJEEV KUMAR 199Y1A0546, B. ADARSH 199Y1A0514** in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANATHAPURAMU** during the year **2022-2023**.

GUIDE:

  
Dr. V. LOKESWARA REDDY,  
M.Tech, Ph.D.

Professor & HoD,  
Dept. of CSE.

HEAD OF THE DEPARTMENT:

  
Dr. V. LOKESWARA REDDY,  
M.Tech, Ph.D.

Professor & HoD,  
Dept. of CSE.

DATE:

24/5/23

  
Internal Examiner

  
External Examiner

24/5/23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled “**TIRE TEXT DETECTION USING DEEP LEARNING TECHNIQUES**”, done by B. HEMASAI 199Y1A0525, B. SAI SURYA TEJA REDDY 199Y1A0521, C. SUNIL KUMAR 199Y1A0532, A. JANARDHAN REDDY 199Y1A0508 in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

GUIDE:

**Dr. M. Sreenivasulu, ME., Ph.D.,**

Professor,  
Dept. of CSE.

HEAD OF THE DEPARTMENT:

**Dr. V. LOKESWARA REDDY**  
M.Tech., Ph.D.,

Professor & HOD  
Dept. of CSE  
**Professor & HOD CSE**  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24-05-2023

Internal Examiner

External Examiner

24/5/23

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

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(An ISO 9001:2015 Certified Institution)

KADAPA-516005(A.P.)

2022-2023



**BONAFIDE CERTIFICATE**

This is Certified that the project work entitled, " **DETECTION OF AUTISM SPECTRUM DISORDER AT AN EARLY STAGE USING MACHINE LEARNING**" done by **D. TEJONATH (199Y1A0542), D. LINGAIAH (199Y1A0543), G. SIVA KUMAR (199Y1A0553), B. SATHISH (199Y1A0515)** Submitted to the department of Computer Science and Engineering, in partial fulfilment of the requirements for the Degree of **BACHELOR OF TECHNOLOGY** in **Computer Science and Engineering** from J.N.T.U.A., Anantapuramu during the year of 2022-2023.

Project Guide:

**Dr. K. Srinivasa Rao, M.Tech., Ph.D.,**  
Professor,  
Dept. of CSE.

Head of the department :

**Dr. V. Lakshmana Rao, M.Tech., Ph.D.,**  
Professor and HoD, **M.Tech., Ph.D.,**  
Dept. of CSE **Professor & HOD CSE**

**K.S.R.M. College of Engineering (Autonomous)**  
**KADAPA - 516 005.**

DATE: 24/05/23

  
INTERNAL EXAMINER  
EXTERNAL EXAMINER

25/5/23

**K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)**

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(An ISO 9001:2015 Certified Institution)

KADAPA – 516 003 (A.P.)

2022-2023



**CERTIFICATE**

This is to certify that the project report entitled **“EXPLORATORY DATA ANALYSIS ON GEO-LOCATION USING ML”**, done by A. MAHESH KUMAR 199Y1A0511, A. PRAVEEN KUMAR 199Y1A0502, C. SUDHEER BABU 199Y1A0535, G. IMRAN 199Y1A0556 in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

*K. Shabana*  
**GUIDE:** 23/5/23

**Smt K. Shabana M.Tech**  
Assistant Professor,  
Dept. of CSE.

*[Signature]*  
**HOD OF DEPARTMENT**  
**Dr. V. Lokeswara Reddy** M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE  
KADAPA - 516 005.

**Date:** 24/5/23

*[Signature]*  
**Internal Examiner**

*[Signature]*  
**External Examiner**  
24/5/23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
**K.S.R.M. COLLEGE OF ENGINEERING**

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Anantapuramu)

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(An ISO 9001:2015 Certified Institution)

Kadapa-516001(A.P)

2022-2023



**CERTIFICATE**

This is to certify that project report entitled, "**FOREST FIRE DETECTION USING MACHINE LEARNING**", done by Dharmapuri Hari Kishan (199Y1A0541), Guntika Sudheer (199Y1A0557), Dasari Sudharshan (199Y1A0540), Avulaseshagalla Jiteswar Reddy (199Y1A0512) in partial fulfilment of the requirements for the award degree of **BACHELOR OF TECHNOLOGY** in **Computer Science and Engineering** from J.N.T.U.A, Anantapuramu during the year of 2022-2023.

Project Guide

**Dr. V Venkata Ramana**

**M.Tech., Ph.D.**

Associate Professor.

Head of the department

**Dr. V. Lokeswara Reddy**

**M.Tech., Ph.D.**

Professor and HOD.

INTERNAL EXAMINER

EXTERNAL EXAMINER

DATE: 24/05/2023

**K.S.R.M. COLLEGE OF ENGINEERING**  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Anantapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)



**CERTIFICATE**

Certified that this is a Bonafide record of the Preliminary project report entitled, "**FAST AND ACCURATE SKIN CANCER DIAGNOSIS USING ADVANCED ANALYTICS**", done by C.Rahul Vardhan Naidu(199Y1A0528),G.V Tharun(199Y1A0551), G.N Kishor(199Y1A0548). Submitted to the department of Computer Science and Engineering, in partial fulfilment of the requirements for the Degree of **BACHELOR OF TECHNOLOGY** in **Computer Science and Engineering** from J.N.T.U.A, Anantapuramu during the year of 2022-2023.

  
Project Guide  
**M.Suresh Bahu**, B.Tech., M.Tech.,  
Assistant Professor,  
Dept. Of CSE.

  
Head of the department  
**Dr. V. Lokeshwara Reddy**, M.Tech., Ph.D.,  
M.Tech., Ph.D.,  
Professor and HoD  
Professor & HOD CSE  
Dept. Of CSE  
K.S.R.M. College of Engineering (Autonomous),  
KADAPA - 516 005.

DATE: 24/05/23 INTERNAL EXAMINAR

  
EXTERNAL EXAMINER

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)



CERTIFICATE

This is Certified that the project work entitled, “**DIEASE PREDICTOR USING MACHINE LEARNING**” done by **G.YASHODA(199Y1A0560), C.THULASI(199Y1A0529), B.KAVYA(199Y1A0518), C.JAYASREE(199Y1A0530), G.TEJASWINI(199Y1A0552)** Submitted to the department of Computer Science and Engineering, in partial fulfilment of the requirements for the Degree of **BACHELOR OF TECHNOLOGY** in Computer Science and Engineering from J.N.T.U.A., Anantapuramu during the year of 2022-2023.

Project Guide:

  
Smt. **O. Divya**, M.tech.,

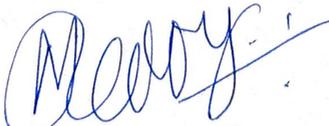
Assistant Professor,  
Dept. of CSE.

Dr. V. LOKESWARA REDDY

M.Tech., Ph.D.  
Head of the department  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 515 005  
  
Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,

Professor and HoD,  
Dept. of CSE.

DATE: 24/5/2023

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A.,  
Ananthapuramu)(Accredited by NAAC,Bangalore )

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 003 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled **RANDOMIZED SECURITY FOR CREDIT CARDS ON CUSTOMER ONLINE TRANSACTIONS** done by **G.MOUNIKA (199Y1A0550), B.SIVA CHANDRIKA (199Y1A0513), B.SRI NIKHILA(199Y1A0523), B.LAKSHMI PRIYA (199Y1A0520)** in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

GUIDE: *Riyaz Banu*

Smt. S.Riyaz Banu, M.Tech  
Assistant Professor,  
Dept. of CSE.

*[Signature]*  
HEAD OF DEPARTMENT:  
Dr. V. LOKESWARA REDDY  
M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE  
KADAPA - 516 005.

Date: 24/05/2023

*[Signature]*  
Internal Examiner

*[Signature]*  
External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516005 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled “**DEPRESSION RATE CALCULATION USING MACHINE LEARNING**” done by D. EKSHITHA REKHA (199Y1A0544), C. DHARANI (199Y1A0536), G.ARUNA (199Y1A0555) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

GUIDE:

Miss. S. Nadiya, M. Tech.

Assistant Professor,

Dept. of CSE.

HEAD OF THE DEPARTMENT:

Dr. DV. LOKESWARA REDDY, M. Tech., Ph.D.,  
M.Tech., Ph.D.,

Professor & HOD

Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE.  
KADAPA - 516 005.

Date: 24/05/2023

Internal Examiner

External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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(Accredited by National Board of Accreditation (NBA), NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516005(A.P.)

2022 - 2023

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



## CERTIFICATE

This is to certify to the preliminary project report entitled "FAKE NEWS DETECTION USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING", is work done by "K. Chandana(209Y5A0503), Y. Nandini(199Y1A05I1), R. Pavithra Kumari (199Y1A05D3), S. Vijaya Kumari (199Y1A05D7)".being submitted to Jawaharlal Nehru Technological University Anantapur, ANANTAPURAMU in partial fulfilment of the requirements for the award of Degree of BACHELOR OF TECHNOLOGY in "COMPUTER SCIENCE AND ENGINEERING" during the year of 2022-2023.

Project Guide:

Smt.O.V.SOWMYA M.Tech(Ph.D).

Assistant Professor,  
Department of CSE.

Date: 24-05-23

Head of the Department:

Dr. V. LOKESWARA REDDY  
Dr. V. LOKESWARA REDDY M.Tech., Ph.D.,  
M.Tech., Ph.D.,

Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Department of CSE  
KADAPA - 516 005.

Internal Examiner

External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA - 516 003 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled "Plant Disease Detection Using Machine Learning" is a bonafide project record work done and submitted by K.Pavani REG.NO. 199Y1A0583, K. Keerthi REG.NO. 199Y1A0570, K. Amrutha REG.NO. 199Y1A0576, in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

GUIDE:

Smt. O.V. Sowmya M.Tech.,(Ph.D)

Assistant Professor

Dept. of CSE.

HEAD OF THE DEPARTMENT:

Dr. V. LOKESWARA REDDY

Dr. V. Lokeswara Reddy M. Tech., Ph.D.,

Professor and HOD M.Tech., Ph.D.,

Professor & HOD CSE

Dept. of CSE

K.S.R.M. College of Engineering (Autonomous)

KADAPA - 516 005.

Date: 24/5/23

Internal Examiner

External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)**  
(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)  
(Accredited by NAAC, Bangalore)  
(An ISO 9001:2015 Certified Institution)  
KADAPA – 516005 (A.P.)  
2022-2023

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



## **CERTIFICATE**

This is to certify that the project report entitled “**PASSWORD AUTHENTICATION SECURITY FOR MOBILE DEVICES USING SMOOTH PROJECTIVE HASH FUNCTION**”, is a bonafide project work done and submitted by N.S. MANOGNA (199Y1A05B3), P. SREE VAISHNAVI (199Y1A05C4), N.SAI MADHU SRI (199Y1A05B4), N.VANDANA (199Y1A05B2) in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

**GUIDE:** *Riyaz Banu*  
**Smt. S. RIYAZ BANU**, M. Tech,  
Assistant Professor,  
Dept. of CSE.

**Date:** 24-05-2023

*Mary*  
Internal Examiner

*Dr. V. Lokeswara Reddy*  
**HEAD OF THE DEPARTMENT:**  
**Dr. V. LOKESWARA REDDY**,  
M. Tech., M.Ph.D., Ph.D.,  
Professor & HOD, HOD CSE  
Dept. of CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

*Dr. V. Lokeswara Reddy*  
External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



CERTIFICATE

This is to certify that the project report entitled “**DETECTING HATE SPEECH CATEGORIZATION WITH SOCIAL MEDIA FILTERS**”, done by M.KEERTHANA 199Y1A05A1, M.MADHURI 199Y1A05A2, M.SUSHMA 199Y1A05A9, K.RAJAMMA 199Y1A0566, K.HARISHA LAKSHMI 199Y1A0568 in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

GUIDE:

Smt. B. GOURI, M.Tech.,  
Assistant Professor,  
Dept. of CSE.

Dr. V. Lokeshwara Reddy  
M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE  
KADAPA - 516 005.

Date: 24-05-23

  
Internal Examiner  
External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified  
Institution)



**BONAFIDE CERTIFICATE**

This is Certified that the project work entitled, **“ALZHEIMER’S DISEASE DETECTION AT AN EARLY STAGE USING MACHINE LEARNING ALGORITHMS”** done by **M. POOJITHA (199Y1A05A0), K. KUSUMA (199Y1A0578), K. JAHNAVI (199Y1A0567), P. BHAGYALAKSHMI (199Y1A05C0), K. SRAVANI (199Y1A0572)** in partial fulfilment of the requirements for the Degree of **BACHELOR OF TECHNOLOGY** in Computer Science and Engineering from J.N.T.U.A., Ananthapuramu during the year of 2022-2023.

*23/5/23*  
Project Guide:  
**Smt. B. Manorama Devi, M.tech., (Ph.D),**  
Assistant Professor,  
Dept. of CSE.

*[Signature]*  
Head of the department:  
**Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,**  
Professor and HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

DATE: *24-05-2023* INTERNAL EXAMINER

*[Signature]*  
EXTERNAL EXAMINER

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

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(An ISO 14001:2015 Certified Institution)

KADAPA – 516005 (A.P.)

2022 – 2023

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## BONAFIED CERTIFICATE

This is to Certified that the Project work entitled “ **IDENTIFYING HEALTH INSURANCE CLAIM FRAUDS USING MIXTURES OF CLINICAL CONCEPTS**”, is work done by “**K. VISHNU VARDHAN REDDY (199Y1A0573), K. MAHABOOB (199Y1A0574), O. OMSAI REDDY (199Y1A05B6)**”, being submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTHAPURAMU in partial fulfilment of the requirements for the award of Degree of BACHELOR OF TECHNOLOGY in “**COMPUTER SCIENCE AND ENGINEERING**” during the year of 2022-2023.

  
**Project Guide:**

Sri. Md. Rahmathulla M. Tech.,

Assistant Professor,

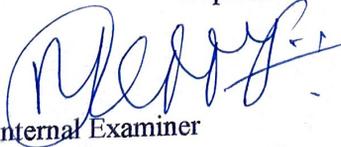
Department of CSE.

  
**Head of the Department:**

Dr. V. Lokeshwara Reddy M. Tech., Ph.D.,  
M.Tech., Ph.D.,

Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Department of CSE.

Date: 24/05/2023  Internal Examiner

 External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015, 14001:2004 Certified Institution)

KADAPA – 516003 (A.P.)

2022 - 2023

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## CERTIFICATE

This is to Certify that the Project work entitled “**ONLINE NURSERY PLANTS**”, is work done by “**M.Venkata Manohar (199Y1A0595), P.Aravind Reddy (199Y1A05C6), K.Kalyan Harsha (199Y1A0581), K.Vema Krishna (199Y1A0587)**” being submitted to Jawaharlal Nehru Technological University Anantapur, ANANTAPURAMU in partial fulfilment of the requirements for the award of Degree of BACHELOR OF TECHNOLOGY in “**COMPUTER SCIENCE AND ENGINEERING**” during the year of 2022-2023.

### Project Guide:

Sri.S.KHAJA KHIZAR M.Tech.,

Assistant Professor,

Department of CSE.

### Head of the Department:

Dr. V. LOKESWARA REDDY

M.Tech., Ph.D.

K.S.R.M. College of Engineering (Autonomous)

KADAPA - 516 005.

Professor and HOD, CSE.

Department of CSE.

Date : 24-05-23

Internal Examiner

External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
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(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



CERTIFICATE

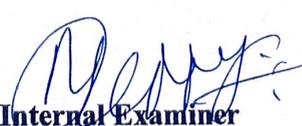
This is to certify that the project report entitled “**CRYPTOCURRENCY PRICE ANALYSIS WITH ARTIFICIAL INTELLIGENCE**”, done by P. PAVAN KALYAN(199Y1A05C8),P.RAKESH KUMAR REDDY (199Y1A05C7), M. KARUNAKAR REDDY (199Y1A05A5),O.RAHUL YADAV (199Y1A05B5) in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year 2022-2023.

GUIDE:

  
Sri. Y. Prasada Reddy, M.Tech.,  
Assistant Professor,  
Dept. of CSE.

  
HEAD OF THE DEPARTMENT:  
Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/05/2023

  
Internal Examiner

  
External Examiner

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**K.S.R.M. COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Anantapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005(A.P.)

2022 – 2023



**CERTIFICATE**

This is to certify that the project report entitled “ SECURED THREE LAYER CLOUD STORAGE SCHEME WITH FOG INTERFACE” is a bonafide project record work done and submitted **K. SAI ESWAR REDDY 199Y1A0580, P. PREM KUMAR 199Y1A05C9, M. MANIDEEP 199Y1A05A3, M. SAI MANJUNATH 199Y1A0597** in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year 2022-2023.

**GUIDE:**

**Dr. V. VENKATA RAMANA, M.Tech., Ph.D.**

Associate Professor,  
Dept. Of CSE.

**HEAD OF DEPARTMENT**  
**Dr. V. LOKESEWARA REDDY**

M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. Of CSE,  
KADAPA - 516 005.

Date: 24/05/23

Internal Examiner

External Examiner

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuram)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015, 14001:2004 Certified Institution)

KADAPA-516005(A.P)

DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to Certify that the Project work entitled, "VOICE BASED EMAIL FOR BLIND USING PYTHON", is work done by "M. YASWANTH (199Y1A0599), K. SUDHARSAN (199Y1A0571), M. MANESWAR (199Y1A05A7), P. NAVEEN (199Y1A05B9)" being Submitted to Jawaharlal Nehru Technological University Anantapur, ANANTAPURAMU in partial fulfilment of the requirements for the Degree of BACHELOR OF TECHNOLOGY in Computer Science and Engineering during the year of 2022-2023.

Project Guide:

Dr.S. Nageswara Rao M.Tech., Ph.D.,  
Associate Professor,  
Dept. Of CSE.

Head of the Department:

**Dr. V. LOKESWARA REDDY**  
Dr. V. Lokeswara Reddy M.Tech., Ph.D.,  
Professor & HOD, HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. Of CSE  
KADAPA - 516 005.

DATE: 20/05/23 INTERNAL EXAMINER

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled “**HOSPITAL EXIGENCY FORECAST**”, done by K.SAIKUMAR 199Y1A0586, P.VISWATEJA 199Y1A05C2, N.JASWANTH REDDY 199Y1A05B0, M.CHANDHU KUMAR NAIDU 199Y1A05B0. in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year 2022-2023.

**GUIDE:**

**Sri.,S. JAFFER HUSSAIN.** M.Tech  
Assistant Professor,  
Dept. of CSE.

**HEAD OF THE DEPARTMENT:**  
**Dr. V. LOKESWARA REDDY**  
Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,  
Professor & HoD,  
Professor & HOD CSE  
Dept. of CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24-05-2023

Internal Examiner

External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Banglore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



## BONAFIDE CERTIFICATE

This is to certify that the project report entitled “**CLASSIFICATION AND PREDICTION TECHNIQUES FOR DDOS ATTACKS USING MACHINE LEARNING**”, done by M.SURENDRA 199Y1A0594, K.SANTOSH KUMAR REDDY 199Y1A0577, J.USHA KIRAN REDDY 199Y1A0565, K.RAJESH 199Y1A0590 in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

SIGNATURE OF PROJECT GUIDE:

**Dr. N. Ramanjaneya Reddy** Ph.D.,  
Associate Professor,  
Dept. of CSE.

SIGNATURE OF HEAD OF DEPARTMENT:

**Dr. V. Lokeswara Reddy** M.Tech., Ph.D.,  
Professor & HOD CSE,  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.  
Dept. of CSE.

Date: 21/05/23

  
Internal Examiner  
External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 003 (A.P.)

2022-2023



CERTIFICATE

This is to certify that the project report entitled “**CROP YIELD PREDICTION BASED ON INDIAN AGRICULTURE USING MACHINE LEARNING**”, done by M. LOKESH REDDY 199Y1A0596, K. SAINATH REDDY 199Y1A0589, M. LOKESH 199Y1A0593, K. ANIL KUMAR 199Y1A0588 in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING** J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.



GUIDE:

Dr. K. SRINIVASA RAO, M.Tech., Ph.D.,  
Professor,  
Dept. of CSE.



HEAD OF THE DEPARTMENT:

Dr. V. LOKESWARA REDDY  
Professor & HOD, M.Tech., Ph.D.,  
Dept. of CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/5/2023



Internal Examiner



External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

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(An ISO 9001:2015 Certified Institution)

KADAPA – 516 003 (A.P.)

2021-2022



## CERTIFICATE

This is to certify that the project report entitled “**PRODUCT BASED RECOMMENDATION USING MACHINE LEARNING TECHNIQUES**”, done by P.VIVEKANANDA 199Y1A05B8, M.KIRAN KUMAR 199Y1A05A6, K.NAVEEN KUMAR 199Y1A0579, in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

GUIDE:



Dr.M.SREENIVASULU, M.E., Ph.D

Professor,  
Dept. of CSE.



Dr. V. LOKESWARA REDDY:  
M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE  
KADAPA - 516 005.

Date: 24/05/2023



Internal Examiner



External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled “Real Time Moving object Segmentation and Classification from HEVC Surveillance Video”, done by M.HARISHWAR REDDY (199Y1A0592), P.SREENIVASULU (199Y1A05C1), K.RAKESH KUMAR (199Y1A0585) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

GUIDE:

Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,

Professor & HoD,

Dept. of CSE.

HEAD OF THE DEPARTMENT  
Dr. V. LOKESWARA REDDY

M.Tech., Ph.D.,  
Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,  
Professor & HOD CSE

K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Dept. of CSE.

Date: 24.05.23

Internal Examiner

External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled “Real Time Moving object Segmentation and Classification from HEVC Surveillance Video”, done by M.HARISHWAR REDDY (199Y1A0592), P.SREENIVASULU (199Y1A05C1), K.RAKESH KUMAR (199Y1A0585) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

GUIDE:

Dr.V. Lokeswara Reddy, M.Tech., Ph.D.,

Professor & HoD,

Dept. of CSE.

HEAD OF THE DEPARTMENT:

Dr. V. LOKESWARA REDDY

Dr.V. Lokeswara Reddy, M.Tech., Ph.D.,

Professor & HOD CSE

Professor & HoD  
K.S.R.M. College of Engineering (Autonomous)

Dept. of CSE. KADAPA - 516 005.

Date: 24.05.23

Internal Examiner

External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)**  
(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)  
(Accredited by NAAC, Bangalore )  
(An ISO 9001:2015 Certified Institution)  
KADAPA – 516 003 (A.P.)  
2022-2023

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



## CERTIFICATE

This is to certify that the project report entitled “**Emotion Detection Music Player Using CNN**”, is a bonafied project record work done and submitted by S. GEETIKA REDDY (199Y1A05G3), Y.NANDHINI (199Y1A05I6), Y.LAXMI CHAITANYA (199Y1A05I2) in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

**GUIDE:**

*V. Sudha*

**Miss. V. SUDHA, M.Tech., (Ph.D.)**  
Assistant Professor,  
Dept. of CSE.

**HEAD OF THE DEPARTMENT:**

*V. Lokeswara Reddy*

**Dr. V. LOKESWARA REDDY,**  
Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,  
Professor & HoD,  
Professor & HOD CSE  
Dept. of CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/05/23

*V. Lokeswara Reddy*  
Internal Examiner

*V. Lokeswara Reddy*  
External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
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(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



**CERTIFICATE**

This is to certify that the project report entitled “ **Prognosticating of Rock Over Mine Using Different Machine Learning Algorithms**”, done by V.LAKSHMI DHARANI(199Y1A05H7), V.SUMIYA(199Y1A05H8), S.LATHA(199Y1A05G1), P.RUCHITHA(199Y1A05D0) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

*Anitha*

**GUIDE:**

**Miss.T.Anitha**, M.Tech  
Assistant Professor,  
Dept. of CSE.

*Reddy*  
**HEAD OF THE DEPARTMENT:**  
**Dr. V. LOKESWARA REDDY**  
Dr. V. Lokeswara Reddy, M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/05/23

*Reddy*  
**Internal Examiner**

*[Signature]*  
**External Examiner**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

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(Accredited by National Board of Accreditation (NBA), NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



CERTIFICATE

This is to certify that the project report entitled “ **An Efficient Spam Detection Technique for IoT Devices using Machine Learning**”, done by SHAIK TASLEEM 199Y1A05F6 , SHAIK SALMA 199Y1A05F4, SHAIK ARSHIYA 199Y1A05E6,T. TEJASWINI 199Y1A05H2 in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year 2022-2023.

*zsh*  
**GUIDE:**  
**Miss. Z. SHOBHA RANI**, M.Tech  
Assistant Professor,  
Dept. of CSE.

*[Signature]*  
**HEAD OF DEPARTMENT**  
**Dr. V. LOKESWARA REDDY**, M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE  
KADAPA - 516 005.

Date: 24/5/23

*[Signature]*  
Internal Examiner

*[Signature]*  
External Examiner

K.S.R.M. COLLEGE OF ENGINEERING;  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by National Board of Accreditation (NBA), NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



**CERTIFICATE**

This is to certify that the project report entitled **A FOG BASED SECURITY FOR CLOUD STORAGE** done by S. RAIESA 199Y1A05F3, T. ROJA RAMANI 199Y1A05G9, P.NAGESWARI 199Y1A05D1, S.MANASA 199Y1A05F9 in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

GUIDE:

  
Smt. B. SWETHA, M.Tech.,  
Assistant Professor,  
Dept. of CSE.

HEAD OF THE DEPARTMENT:

  
Dr. V. LOKESWARA REDDY  
M.Tech., Ph.D.,  
Professor & HoD,  
Professor & HOD CSE  
Dept. of CSE,  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/05/2023  Internal Examiner

 External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING**  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A.,  
Anantapuramu) (Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)



**BONAFIDE CERTIFICATE**

Certified that this is a Bonafide record of a Preliminary Project Report entitled, **"CONCRETE STRENGTH PREDICTION USING MACHINE LEARNING ALGORITHMS"**, Submitted by R.SAI LOCHANA (199Y1A05D5), C.ANIL KUMAR REDDY (199Y1A0534), U.NEELA KANTA REDDY (199Y1A05H4). K.S.R.M COLLEGE OF ENGINEERING in department of Computer Science and Engineering, in partial fulfillment of the requirements for the Degree of **BACHELOR OF TECHNOLOGY** in **Computer Science and Engineering** from Jawaharlal Nehru Technological University-A, Anantapur during the year of 2022-2023.

*V. Sudha*  
Project Guide:  
**Mrs. V.SUDHA**, M.Tech,(PhD).,  
Associate Professor,  
Dept. Of CSE.

*V. Lokeshwara Reddy*  
Head of the Department :  
**Mr.Dr.V.LOKESHWARA REDDY**, M.Tech, Ph.D.,  
Professor and HOD

**Dr. V. LOKESHWARA REDDY**, M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

*V. Lokeshwara Reddy*  
DATE: 24/5/23 INTERNAL EXAMINER :

*V. Lokeshwara Reddy*  
EXTERNAL EXAMINER:

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



### CERTIFICATE

This is to certify that the project report entitled “A BLOCK CHAIN-BASED APPROACH FOR DRUG TRACEABILITY IN HEALTHCARE SUPPLY CHAIN” project record work is done and submitted by “S.THARUN SAI (199Y1A05D9), S.ABDUR RAHMAN (199Y1A05E4), K.MAHESWAR REDDY (209Y5A0502), S.RIYAZ (199Y1A05E1),”, in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

#### GUIDE:

  
Smt. NAGA LAKSHMI., M.Tech.

Assistant Professor,

Dept. of CSE.

#### HEAD OF THE DEPARTMENT:

  
Dr. V. LOKESWARA REDDY, M.Tech., Ph.D.

Professor & HoD,

Dept. of CSE.

Professor & HOD CSE

K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

DATE: 24-5-23 INTERNAL EXAMINER

  
EXTERNAL EXAMINER

# K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516005 (A.P.)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## CERTIFICATE

This is to Certify that the Project work entitled “**MULTI-CLOUD STORAGE WITH IDENTITY-BASED PROVABLE MULTI-COPY DATA POSSESSION**”, is work done by “**V. NITHISH REDDY (199Y1A05H5), A. MALLIKARJUN (209Y5A0504), S. MD. SAMEER (199Y1A05E8), T. UDAY KUMAR (199Y1A05H1)**” being submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU in partial fulfilment of the requirements for the award of Degree of BACHELOR OF TECHNOLOGY in “**COMPUTER SCIENCE AND ENGINEERING**” during the year of 2022-2023.

  
**Project Guide:**

**Dr. A. Chandra Obula Reddy** M.Tech., Ph.D.  
Assistant Professor,  
Department of CSE.

**Head of the Department:**

  
**Dr. V. LOKESWARA REDDY** M.Tech., Ph.D.,  
Professor and HoD,  
**Professor & HOD CSE**  
Department of CSE  
**K.S.R.M. College of Engineering (Autonomous)**  
**KADAPA - 516 005.**

Date: 24-05-2023

  
Internal Examiner

  
External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by National Board of Accreditation (NBA), NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516 005 (A.P.)

2022-2023



## CERTIFICATE

This is to certify that the project report entitled “ **Comparison Of Diabetes Prediction using Different Machine Learning Algorithms**”, done by S.AMRUTHA REDDY(199Y1A05G4), R.SUDHA(199Y1A05D6), S.JAHNAVI (199Y1A05G2) , Y.KALA (199Y1A05I4) in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year **2022-2023**.

*Priya Darshan*  
**GUIDE:**

**Mr.D.Priyadarshan Reddy, M.Tech**  
Assistant Professor,  
Dept. of CSE.

*Dr. V. Lokeswara Reddy*  
**HEAD OF THE DEPARTMENT:**

**Dr.V. Lokeswara Reddy, M.Tech., Ph.D.,**  
Professor & HOD  
Dept. of CSE.  
**Dr. V. LOKESWARA REDDY**  
M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/5/23 *Reddy*  
Internal Examiner

*Reddy*  
External Examiner

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KADAPA – 516 005 (A.P.)

2022-2023

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



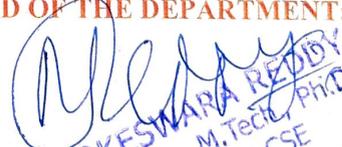
**CERTIFICATE**

This is to certify that the project report entitled “ USE OF ARTIFICIAL NEURAL NETWORKS TO IDENTIFY FAKE PROFILES” done by SYED RIYAZUDDIN (199Y1A05G8), D.CHAITANYA KUMAR REDDY (209Y5A0501), Y.MAHESH (199Y1A05I8), in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.

**PROJECT GUIDE:**

  
**Mr. B. MAHESH REDDY** M.Tech.  
Assistant Professor,  
Department of CSE.

**HEAD OF THE DEPARTMENT:**

  
**Dr. V. LOKESWARA REDDY** M.Tech., Ph.D.  
Professor & HoD,  
Department of CSE,  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

Date: 24/05/23

  
Internal Examiner

  
External Examiner

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
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- 516 005 (A.P.)

2021-2022



## CERTIFICATE

This is to certify that the project report entitled "BLOCKCHAIN-BASED MANAGEMENT OF BLOOD DONATION" done by S.MD.SULEMAN(199Y1A05F0),T.SREENIVAS(199Y1A05H3),S.DINESH (199Y1A05G0),Y.SAITEJA(199Y1A05I9) in partial fulfillment of the requirements for the award of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU** during the year 2022-2023.

**GUIDE:**

**Mr. A. RAM PRAKASH REDDY**, M.Tech  
Assistant Professor,  
Dept. of CSE.

**HEAD OF THE DEPARTMENT:**

**Dr. V. LOKESWARA REDDY**  
Dr. V. Lokeswara Reddy, M.Tech, Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE  
KADAPA - 516 005.

Date: 24-08-23 Internal Examiner

External Examiner

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KADAPA – 516005 (A.P.)

2022-2023

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**CERTIFICATE**

**This is to certify that the project report entitled “BLOCKCHAIN AS A CYBER DEFENSE : OPPORTUNITIES, APPLICATIONS, AND CHALLENGES” done by SHAIK ABDULLAH (199Y1A05E3), SHAIK RAHMATHULLAH (199Y1A05F2), SHAIK SHAHEER (199Y1A05F5), V. UDAY KIRAN REDDY (199Y1A05H6) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2022-2023.**

**PROJECT GUIDE:**

  
**Mr. N.J. PRAMOD DHINAKAR** M.Tech.  
Assistant Professor,  
Department of CSE.

**HEAD OF THE DEPARTMENT:**

  
**Dr. V. LOKESWARA REDDY** M.Tech., Ph.D.  
Professor & HoD  
Department of CSE  
K.S.R.M. College of Engineering (Autonomous)  
KADAPA - 516 005.

  
Date: 24/05/2023 Internal Examiner

  
External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING

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(An ISO 9001:2015 Certified Institution)

KADAPA – 516005 (A.P.)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## CERTIFICATE

This is to Certified that the Project work entitled “**CLOUD DATA DEDUPLICATION CONTROLLING USING DETERMINED DUPLICATION CHECK PROTOCOL**”, is work done by “**S. JAGANNADHA REDDY (199Y1A05F7), R. RAKESH KUMAR REDDY (199Y1A05D4), S. FAYAZ (199Y1A05E0), S. RAMU (199Y1A05E2)**”, being submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTHAPURAMU in partial fulfilment of the requirements for the award of Degree of BACHELOR OF TECHNOLOGY in “**COMPUTER SCIENCE AND ENGINEERING**” during the year of 2022-2023.

  
**Project Guide:**

Sri. Md. Rahmathulla M. Tech.,  
Assistant Professor,  
Department of CSE.

  
**Dr. V. LOKESWARA REDDY**  
Head of the Department,  
M.Tech., Ph.D.,  
Professor & HOD CSE,  
Dr. V. Lokeshwara Reddy M. Tech., Ph.D.,  
K.S.R.M. College of Engineering (Autonomous),  
KADAPA - 516 005.  
Department of CSE.

Date: 24/05/2023

  
Internal Examiner

  
External Examiner

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KADAPA - 516003 (A.P.)

2022 - 2023

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



## CERTIFICATE

This is to certify to the project report entitled "HELMET DETECTION AND LICENSE PLATE NUMBER EXTRACTION USING YOLOV3 AND OPTICAL CHARACTER TECHNIQUE", is work done by "S. Reddy Sai Nitish (199Y1A05D8), V. Hanok Reddy (199Y1A05H9), Y. Jagadeeswar Reddy (199Y1A05I5), V. Pavan (199Y1A05I0), S. Nizar Basha (199Y1A05F1)". being submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU in partial fulfilment of the requirements for the award of Degree of BACHELOR OF TECHNOLOGY in "COMPUTER SCIENCE AND ENGINEERING" during the year of 2022-2023.

**Project Guide:**

Sri.S.KHAJA KHIZAR M.Tech.

Assistant Professor,

Department of CSE.

**Head of the Department:**

Dr. V. LOKESWARA REDDY M.Tech., Ph.D.  
M.Tech., Ph.D.,

Professor and HOD, HOD CSE

K.S.R.M. College of Engineering (Autonomous)  
Department of CSE,  
KADAPA - 516 005.

Date: 24-05-23

Internal Examiner

External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING

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KADAPA – 516003 (A.P.)

2022 - 2023

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## CERTIFICATE

This is to Certify that the Project report entitled “LOAD RESOURCE SCHEDLING IN CLOUD FOGS BASED ON LOAD EFFICIENT SCHEDULING”, is work done by “S. CHARAN SAI ( 199Y1A05G5 ), S. ASHOK KUMAR REDDY ( 199Y1A05G7 ), S. MOHAMMED SUHAIL ( 199Y5A05E9 ), P. SANDEEP ( 199Y1A05D2 )”, being submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU in partial fulfilment of the requirements for the award of Degree of BACHELOR OF TECHNOLOGY in “COMPUTER SCIENCE AND ENGINEERING” during the year of 2022-2023.

Project Guide:

Sri. Y. PRASADA REDDY M. Tech.

Assistant Professor,

Dept. of CSE.

Head of the Department:

Dr. V. LOKESWARA REDDY M. Tech., Ph.D.

Professor and HOD,

M.Tech., Ph.D.,

Dept. of CSE Professor & HOD CSE

K.S.R.M. College of Engineering (Autonomous)

KADAPA - 516 005.

Date: 24-05-2023

Internal Examiner

External Examiner

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

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KADAPA – 516005 (A.P.)

2022-2023

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



### CERTIFICATE

This is to certify that the project report entitled “BLOCKCHAIN-BASED ELECTRONIC HEALTH RECORDS MANAGEMENT” is work done by S.MD. ARSHAD ALI 199Y1A05E7, SHAIK AKRAM 199Y1A05E5, S. SUJITH KUMAR REDDY 199Y1A05F8, Y. VIKESH KUMAR REDDY 199Y1A05I3, S. NEERAJ 199Y1A05G6 being submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTHAPURAMU in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in “COMPUTER SCIENCE AND ENGINEERING” during the year 2022-2023.

*Mr. N. Venkata Siva Reddy*

GUIDE:

**Mr. N. VENKATA SIVA REDDY** M.Tech.  
Assistant Professor,  
Dept. of CSE.

*Mr. N. Venkata Siva Reddy*  
Internal Examiner

HEAD OF THE DEPARTMENT:

*Dr. V. Lokeshwara Reddy*  
**Dr. V. Lokeshwara Reddy** M.Tech., Ph.D.,  
Professor & HOD CSE  
K.S.R.M. College of Engineering (Autonomous)  
Dept. of CSE  
KADAPA - 516 005.

*Dr. V. Lokeshwara Reddy*  
External Examiner

Date: 24-05-23