

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, Permanently Affiliated to JNTUK, KAKINADA, Accredited by NBA)

1-378, ADB Road, Surampalem, Near Peddapuram-533437

CERTIFICATE

DEPARTMENT OF CIVIL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “ **DESIGN AND ANALYSIS OF IRREGULAR SHAPE BUILDING IN STAAD.Pro** ” is being submitted by **V. MOUNIKA MAHALAKSHMI (18A31A0168), A. GANGA BHAVANI (18A31A0153), M. MANIDEEP (18A31A0184), R.V.S.K. VAMSI (18A31A0196), N. MADHU KALYAN (18A31A0189), V. APPARAO (19A35A0123)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Ms. A. KAVYA, M.Tech.,
Assistant Professor
Department of CE



Mr. A. SURAMPALLEJA, M.Tech.,
Assistant Professor
Department of CE

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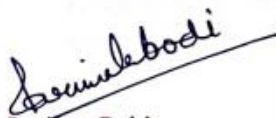
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This is to certify that the project report entitled "**A LABORATORY STUDY ON THE INFLUENCE OF STEEL SLAG ON IMPROVING THE PROPERTIES OF MARINE CLAY AS SUBGRADE FOR FLEXIBLE PAVEMENTS**" is being submitted by **K. Jaya Ram (18A31A0134), G. Bhavani Nagesh (18A31A0129), B. Lakshmi Tulasi (18A31A0104), Ch. Uma Devi (18A31A0105), V. Taraka Rama Siva Sai (18A31A0149)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Ms. B. Indrani Parimala M.Tech.,

Assistant Professor

Department of CE


Head of the Department:

Mr. A. Ravi Teja M.Tech.,

Assistant Professor

Department of CE


8/6/22

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This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF MULTI STOREY BUILDING UNDER STATIC AND DYNAMIC LOADING CONDITIONS**” is being submitted by N. LAVANYA (18A31A0165), B. SRI DIVYA (18A31A0154), S. VIJAY SRI RAM (18A31A0198), P. SRI AASHISH (18A31A0194), V. Pradeep (18A31A0171) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


PROJECT GUIDE:

Mr. G. ANJANEYULU, M.Tech.,

Assistant Professor

Department of CE



LEADER OF DEPARTMENT:

Mr. S. RAJESH TEJA, M.Tech.,

Assistant Professor

Department of CE



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This is to certify that the project report entitled “EFFECT ON STRENGTH PROPERTIES OF CONCRETE USING GRANITE POWDER AS PARTIAL REPLACEMENT OF FINE AGGREGATE” is being submitted by M.Uma Sasi Priya (18A31A0110), Ch. Suresh (18A31A0124), K. Srimannarayana (18A31A0132), A.R.N. Prasanna (18A31A0101), V.S.V. Santhosh Raja (18A31A0150) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Ms. A. KAVYA M.Tech.,

Assistant Professor

Department of CE

[Signature]
8/6/22



Head of the Department:

Mr. A. RAM TEJA M.Tech.,

Assistant Professor

Department of CE

External examiner

[Signature]
8/6/22

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This is to certify that the project report entitled “**COMPRESSIVE STRENGTH ANALYSIS BY USING RECYCLED AGGREGATE**” is being submitted by **K.S.S. Deepthi Praveena (18A31A0108), K.P.V. Rama Prasad Varma (18A31A0136), P. Laalasa (18A31A0113), K. Aparna (19A35A0102), Md. Afzal Ali (18A31A0140)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. A. RAVITEJA, M.Tech.,

Assistant Professor

Department of CE

Head of the Department:

Mr. A. RAVITEJA, M.Tech.,

Assistant Professor

Department of CE

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This is to certify that the project report entitled “**DESIGN OF FOUNDATION FOR A G+5 STRUCTURE**” is being submitted by **V. Lakshmi Durga** (18A31A0169), **V. Sai Sowjanya** (18A31A0167), **P. Victor Spenner** (19A35A0128), **V. Shyam** (19A35A0121), **K. Surya Kiran** (18A31A0182) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. P. JAGADISH BABU M.Tech,
Assistant Professor
Department of CE




Head of the Department:

Mr. RAVITEJA ALUGOLU M. Tech, PhD
Assistant Professor
Department of CE
HOD-CIVIL

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DEPARTMENT OF CIVIL ENGINEERING



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This is to certify that the project report entitled “**IMPROVEMENT OF COMPRESSIVE STRENGTH OF PERVIOUS CONCRETE**” is being submitted by **Y. Jyothi Mahalakshmi** (19A35A0105), **Ch.Aakash** (19A35A0106), **A. Krishna Shankar** (18A31A0118), **Ch. Krishna Manikanta** (19A35A0107), **V. Likith Pranay** (18A31A0151) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Ms. K. RESHMA MLTech,

Assistant Professor

Department of CE



Mr. A. RAVITEJA MLTech,

Assistant Professor

Department of CE

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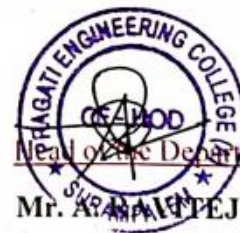
This is to certify that the project report entitled “A STUDY ON AEROBIC COMPOSTING OF DRY LEAVES BY USING HEAP COMPOSTING” is being submitted by S.K.B. Nawaz (18A31A0148), K. Kumar Raja (18A31A0137), D. Tripura Sravya (18A31A0106), D. Sridhar (18A31A0127), V. Manoj Kumar (19A35A0114), S. Aditya Teja (18A31A0147) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Ms. A. KAVYA M.Tech.,

Assistant Professor

Department of CE



Head of the Department:

Mr. A. RAJTEJA M.Tech.,

Assistant Professor

Department of CE



PRAGATI ENGINEERING COLLEGE

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Surampalem, Near Peddapuram-533437, E.G.Dt, ANDHRA PRADESH

CERTIFICATE

DEPARTMENT OF CIVIL ENGINEERING

This is to certify that the Main-Project work entitled “ **STABILIZATION OF MARINE CLAY USING BANANA FIBRE** ” that is being submitted by **A. YAMINI (18A31A0103)**, in the partial fulfillment of my IV Year II Semester of Bachelor of Technology in Civil Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


PROJECT GUIDE

Mr. A. RAVITEJA, M.Tech.

Assistant Professor

Department of CE


HEAD OF THE DEPARTMENT
Mr. A. RAVITEJA, M.Tech.

Assistant Professor

Department of CE



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DEPARTMENT OF CIVIL ENGINEERING



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This is to certify that the project report entitled “**WATERSHED DELINEATION AND RUNOFF ESTIMATION OF RAJAHMUNDY CATCHMENT AREA BY USING ArcGIS**” is being submitted by **G. Naga Padma Nikhitha(18A31A0160), M. Prasad (19A35A0119), V. Mukesh (19A35A0122), M. B.S.V.Siva Teja (17A31A0193), M. Rohit Mani Satish (18A31A0185)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.



Project Guide:

Ms. K. RESHMA M.Tech.,

Assistant Professor

Department of CE



Mr. A. RAVI TEJA M.Tech.,

Assistant Professor

Department of CE



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This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF COMMERCIAL BUILDING USING ETABS**” is being submitted by **P. HADASSA EVANGELIN (18A31A0166), CH. NANI (19A35A0118), P. DILEEP SATYA KUMAR (18A31A0195), K. SAMPATH KUMAR (19A35A0127), K. SIVARAM (18A31A0180)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Ms. A. KAVYA, M.Tech.,

Assistant Professor

Department of CE



MR. A. RAM TEJA, M.Tech.,

Assistant Professor

Department of CE

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This is to certify that the project report entitled “ASSESSMENT OF GODAVARI RIVER WATER QUALITY FOR DRINKING AND IRRIGATION STANDARDS” is being submitted by Y.D.RATNA LALITHA (18A31A0152), SYED GHOUSE (18A31A01A1), B.V.SURENDRA SWAMY (18A31A0174), T.LENIN (18A31A0170), B.TEJESH (19A35A0117), P.VENKATA TEJA (18A31A0193) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Ms. A. Kavya, M.Tech.,

Assistant Professor

Department of CE



Head of the Department:

Mr. M. P. Venkatesh, M.Tech.,

Assistant Professor

Department of CE

PRAGATI ENGINEERING COLLEGE

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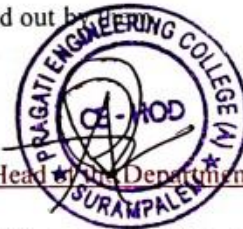
This is to certify that the project report entitled “**LOW COST AND ECO FRIENDLY CONCRETE USING FLY ASH AND QUARRY DUST**” is being submitted by **G. V V S L PRASANNA (18A31A0158), S. SIVA MANIKANTA (18A31A01A0), N. SURAJ (18A31A0188), V. SAI SRIRAM (18A31A01A2), G. J V DURGA PRASAD (18A31A0178)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Civil Engineering of Pragati Engineering College, for the record of a bonafide workcarried out by

Project Guide:

Ms. K. RESHMA , M.Tech.,

Assistant Professor

Department of CE



Head of the Department:

Mr. A. RAVITEJA, M.Tech.,

Assistant Professor

Department of CE

PRAGATI ENGINEERING COLLEGE

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DEPARTMENT OF CIVIL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled "**DESIGN OF RIGID PAVEMENT FOR A LOW VOLUME ROAD USING RECRON FIBERS**" is being submitted by K. Siva Sai (19A35A0110), A. Anu Varshitha (18A31A0102), K. Pavan Sai (18A31A0131), Ch. Sri Sai Ramakrishna Nithish (18A31A0122), K. Ram Deepak (18A31A0133) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Civil Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Parimala M.Tech.

Project Guide :

Ms. B. Indrani Parimala M.Tech.,

Assistant Professor

Department of CE



Head of the Department:

Mr. A. Ravi Teja M.Tech.,

Assistant Professor

Department of CE

8/6/22

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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**DETERMINATION OF OPTIMUM SCANNING SPEED TO REGULATE PERFORMANCE CHARACTERISTICS OF SPUR GEAR THROUGH SIMULATION OF 3D PRINTING**” is being submitted by **Nakka Chakravarthi (18A31A03I6)**, **Dusarlapudi Venkata Manohar (18A31A03G7)**, **Vullamparthi Marcus Paul (18A31A03K4)**, **Chandramalla Bhagath (18A31A03G3)**, **Ravipati Venkata Bhanu Prakash (18A31A03J3)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr. S. SAMBHU PRASAD B.E., M.E., Ph.D (Engg), MBA.,
Professor & Director

Head of the Department:

Dr. B.S.V. Ramarao B.E., M.E., MBA, PhD.

Professor
Department of ME



PRAGATI ENGINEERING COLLEGE

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1-378, ADB Road, Surampalem, Near Peddapuram-533437

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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “ **DESIGN, MODELLING AND SIMULATION OF A THERMOELECTRIC COOLING SYSTEM** ” is being submitted by **Ch.ThiruVenkatesh (18A31A0315), B.Keshav (18A31A0313), M.M.S.S.Venkat (18A31A0335), E.Poornasai (18A31A0320), G.NandaBabu (18A31A0321)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2021-2022** in Mechanical Engineering of Pragati Engineering College for the record of a bonafide work carried out by them.

Project Guide:

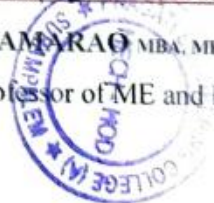
Dr. S. SAMBHU PRASAD BE, ME, Ph.D(Engg.), MBA

Professor of ME & Director

Head of the Department:

Dr. B.S.V. RAMARAO MBA, ME, Ph.D

Professor of ME and HOD



PRAGATI ENGINEERING COLLEGE

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1-378, ADB Road, Surampalem, Near Peddapuram-533437

CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DESIGN AND TOPOLOGY OPTIMISATION OF TRUCK CHASIS FOR MAXIMUM STIFFNESS TO REDUCE THE WEIGHT USING ALTAIR INSPIRE**” is being submitted by **G. Williams Babu (19A35A0320), P. Satish Kumar (19A35A0326), P. D M Satya Sai Vara Prasad (18A31A0386), S. Mani Kiran (18A31A0392), G. Sri Satya Sai Narasimha Raju (18A31A0364)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2019-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

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

Associate Professor

Department of ME

Head of the Department:

Dr. B.S.V.RAMA RAO M.E., Ph.D

Professor

Department of ME



PRAGATI ENGINEERING COLLEGE

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1-378, ADB Road, Surampalem, Near Peddapuram-533437

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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**MODELLING AND MATERIAL OPTIMIZATION OF PISTON HEAD TO SUSTAIN THE HIGHER LOAD WITHOUT FAILURE**” is being submitted by **M. Devi vara prasad(19A35A0351)**, **M. Divakar setty (18A31A03I1)**, **A. Ajay kumar (18A31A03H7)**, **T. Surya kumar (18A31A0355)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2019-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr. G. Satish, Ph.D.

Assistant Professor

Department of ME

Head of the Department:

Dr.B.S.V. Rama Rao B.E., M.E., M.B.A., Ph.D.,

Professor

Department of ME



PRAGATI ENGINEERING COLLEGE

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1-378, ADB Road, Surampalem, Near Peddapuram-533437

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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**FORCED CONVECTION STUDIES WITH DIFFERENT GEOMETRIES IN TUBE BANK ARRANGEMENT USING CFD TECHNIQUE**” is being submitted by M. Naga Krishna (19A35A0336), P. Karthik (18A31A03D9), B. Ajay Kumar (18A31A03A6), G. D. V. Manoj (18A31A03B3), N. Chaitanya Teja (18A31A03D1) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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

Associate Professor

Department of ME


Head of the Department:

Dr. B. S. V. RAMARAO MBA, ME, Ph.D.

Professor

Department of ME



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1-378, ADB Road, Surampalem, Near Peddapuram-533437

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DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the project report entitled **“RECONSTRUCTION AND SEGMENTATION OF CANCER AFFECTED PATIENT’S LOWER JAW, DEVELOPING CAD MODEL OF CANCER PART AND RAPID PROTOTYPING”** is being submitted by Sai Aditya Vardhan Sanku (19A35A0312), Naveen Gorsipudi (19A35A0308), Aravind Gollapalli (18A31A0324), Sashendra Srinivas Baswanth Pappula (18A31A0344), Pavan Sai Mattapalli (18A31A0333) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2021-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr. Avinash Gudimetla M.Tech., Ph.D.
Associate Professor
Department of ME

Head of the Department:

Dr.B.S.V.Ram Rao M.Tech., Ph.D.
Professor
Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled "DESIGN AND ANALYSIS OF CAMSHAFT & DEVELOPMENT OF CAM CODE FOR DIE MANUFACTURING" is being submitted by Ch. Venkata Ramana (19A35A0306), V. Pavan Kumar (18A31A0351), P. Sanjay Joshi (18A31A0346), G. Ganesh Swamy (18A31A0323), SD. Danish Hameed (18A31A0350) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr. R DHARMALINGAM M.E., Ph.D.

Associate Professor

Department of ME

Head of the Department:

Dr. B.S.V. RAMARAO MBA, M.E., Ph.D.

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF SCREW OPERATED GRIPPER AND RPT ESTIMATION**” is being submitted by **G.Vishnu Vardhan Sri Raj** (18A31A03B2), **P.ArunKumar** (18A31A03D3), **P.Jagadeesh varma** (18A31A03D6), **G.Rajkumar** (19A35A0333), **G.Akhil** (18A31A03B5) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr.R.Dharmalingam, M.E, Ph.D.

Associate Professor

Department of ME

Head of the Department:

Dr.B S V Ramarao, MBA, M.E, Ph.D.

Professor

Department of ME



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This is to certify that the project report entitled “**Effect of layer height on final dimensional accuracy of SLM printing machine**” is being submitted by **P.Shalem Kumar**(18A31A03D4), **D.Padma dora**(18A31A03A8), **M.Satish** (18A31A03C8), **Sk.Imran** (18A31A03E4), **S.Champak Sai Sri** (18A31A03E6) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Dr.B.S.V.Rama Rao ME, MBA, PhD

Head of Department

Department Of ME


Head of the Department:

Dr.B.S.V.Rama Rao ME, MBA, PhD

Head of Department

Department Of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “A COMPUTATIONAL FLUID DYNAMICS AND HEAT TRANSFER IN A MICRO CHANNEL’” is being submitted by **M. Kiran Kumar** (19A35A0323), **P.Hemanth Kumar** (18A31A0384), **M.Sai Srinivas** (18A31A0372), **I.Sanjay Abhinav** (19A35A0321), **S.Nookesh Kumar** (19A35A0327) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr. B.S.V. Rama Rao MBA,ME,PhD

Professor

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Head of the Department:

Dr.B.S.V.Rama Rao MBA,ME,PhD

Professor

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External Examiner

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This is to certify that the project report entitled “OPTIMIZATION OF LASER POWER TO AVOID THE THERMAL STRESS IN THE METAL AM PROCESS TO AVOID LIFT OFF OF THE BUILD PART” is being submitted by K. Sai Vinay (18A31A03C3), D. R. Subrahmanyam (19A35A0330), V. Tarun Kumar (18A31A03F3), K. Meher Venkat (18A31A0C31), D. V. V. U. B. Dvijesh (18A31A03A9) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs. A. Sree Vineesha, M. Tech

Assistant Professor

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M.V.V. Krishna

Project Guide:

Mr. M.V.V. Siva Krishna M.Tech.

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This is to certify that the project report entitled "MODELING AND 3DPRINTING SIMULATION OF JET ENGINE PROPELLER WITH MINIMUM PRINTING TIME ORIENTATION OPTIMISATION" is being submitted by P. Vara prasad (18A31A03J0), B.VenkataAbhinav(18A31A03G2), M.Sanjaykumar(19A35A0350), S.Vamsi(19A35A0354), U.Tarun(18A31A03J9) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2019-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mrs. B. Siva Naga Ramya, M.Tech.,

Assistant Professor of ME

Department of ME

Head of the Department:

Dr.B.S.V. Rama Rao B.E., M.E., M.B.A., Ph.D.,

Professor

Department of ME



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This is to certify that the project report entitled “**RECONSTRUCTION AND MODELLING OF HIP JOINT BY USING 3D SLICER AND RAPID PROTOTYPING ESTIMATION**” is being submitted by **Ch. Ramesh** (18A31A03G6), **K.Prudhvi Sai** (18A31A03H3), **M.Veera Pradeep** (18A31A03I3), **T. Krishna Mohan** (18A31A03J7), **V. Sri Harshith Chowdary** (18A31A03K1) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr .V .NAGABABU M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

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Professor

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This is to certify that the project report entitled “**OPTIMIZATION OF SUPPORT STRUCTURES TO MINIMIZE THE DISPLACEMENT OF STANDARD ASTM E8 TENSILE SPECIMEN**” is being submitted by **V. Sandeep** (19A35A0314), **P. Pavan Kumar** (19A35A0310), **I. Akshay Kumar** (18A31A0327), **K. Vinay Varma** (18A31A0329), **K. Sweet Babu** (18A31A0330) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. Ch. Vinay Dileep MTech.,

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Head of the Department:

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Professor

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This is to certify that the project report entitled “**DESIGN AND SIMULATION OF DISC BRAKE ROTOR BY USING TAGUCHI ANALYSIS TO STUDY THE MAJOR INFLUENCE ON MECHANICAL BEHAVIOUR OF BAJAJ PULSAR 150cc**” is being submitted by **A. V. RAVI KIRAN(19A35A0329), K. SRINIVAS TRIGUN(18A31A03B9), S.BHARATH KUMAR(18A31A03E3), K.SEKHAR(18A31A03C5)**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

K. Deeprani

Project Guide:

Mrs. K. DEEPRANI M.Tech.,

Assistant Professor

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It is to certify that the project report entitled "CFD ANALYSIS OF WHALE INSPIRED HYDROFOIL WITH DIFFERENT ANGLES OF ATTACK" is being submitted by K. Joseph (18A31A0322), V. Pradeep (18A31A03A0), K. Dileep Kumar (18A31A0356), B. Nikhil Varma (18A31A0356), C. Naveen Sapthagiri (18A31A0358) in partial fulfillment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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Head of the Department

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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**MODELING AND TOPOLOGY OPTIMIZATION OF CAR RIM TO REDUCE THE WEIGHT OF THE WHEEL FOR MAXIMUM STIFFNESS CONDITION USING ALTAIR INSPIRE**” is being submitted by **T. Dharmendra(18A31A03J8), S. Nazeem (18A31A03J6), K. Naveen Sai (18A31A03H5), J. Sudheer (18A31A03H1), N. Siva Shankar (18A31A03K7)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. P. Chinna

Assistant Professor

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Head of the Department:

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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF THREE PLATE INJECTION MOULD**” is being submitted by **Nathipam Ganesh**(18A31A0381), **Tirumalanaduni Sandeep** (18A31A0398), **Mattaparthi Eswar Rao** (18A31A0375), **Basa Veera Venkata Sai Ram** (18A31A0355), **Vusa Mohana Surya Ganesh** (18A31A03A2) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs. S. HEMANI M.Tech.,

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Head of the Department

Dr. B. S. V. RAMA RAO M.B.A., M.E., Ph.D.,

Professor

Department of ME



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This is to certify that the project report entitled “**GEOMETRY AND LOCATION OPTIMIZATION OF WAVY FLAG TO IMPROVE THE HEAT TRANSFER RATE VORTEX GENERATOR**” is being submitted by **G.D.N.Manikanta** (19A35A0332), **D.B.M.Uma Surya**(19A35A0331), **V.Suneel** (18A31A03F1), **C.Murali Krishna** (18A31A03A7), **P.Arun Kumar** (18A31A03D7) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr.M.LAKSHMI CHAITANYA M.Tech,Ph.D.

Associate Professor

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Head of the Department:

Dr.B.S.V.Rama Rao M.Tech, Ph.D.

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**MODELLING AND STRUCTURAL ANALYSIS OF PELTON WHEEL TURBINE AT MAXIMUM LOAD CONDITION** ” is being submitted by **S. Chandra Kiran (18A31A03J5), T.D. Satyanarayana (19A35A0356), K. Mani Sridhar (18A31A03H2), N. Naga Sai (18A31A03I8), V. Sai (18A31A03K0)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mrs.U.Chaitanya vardini M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

Dr. B.S.V.Rama Rao M.E., M.Tech., Ph.D

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Project Guide:

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Professor

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Project Guide:

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Project Guide:

Mrs. B. Siva Naga Ramya ,M.Tech.,

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Head of the Department:

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Project Guide:

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Project Guide:

Mr. Ch. Vinay Dileep MTech.,

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K. Deeprani

Project Guide:

Mrs. K. DEEPRANI M.Tech.,

Assistant Professor

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Head of the Department:

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Project Guide:

Dr. M. Rambabu M.Tech.

Assistant Professor

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Project Guide:

Mr. P. Chinna

Assistant Professor

Department of ME

Head of the Department

Dr.B.S.V. Rama Rao M.B.A., M.Tech. D

Professor and HOD

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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**RECONSTRUCTION, SEGMENTATION AND SMOOTHING OF TIBIA AND FIBULA PARTS FROM KNEE JOINT ASSEMBLY AND ESTIMATION OF RPT PRINTING TIME AND MATERIAL CONSUMPTION**” is being submitted by **K. Vishnu Kalyan (18A31A0368), N. Manikanta (18A31A0383), V. Lakshmi Kumar (18A31A03A1), Md. Nawaz Shariff (18A31A0377), K. Yogesh (18A31A0365)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.



Project Guide:

A. Udayabhaskar, M.Tech

Assistant Professor

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Head of the Department:

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Professor

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This is to certify that the project report entitled “**RECONSTRUCTION OF KNEE JOINT BY USING 3 MATICS AND MIMICS AND DESIGN AND ANALYSIS OF KNEE JOINT PLATE FOR MAXIMUM LOADING CONDITION**” is being submitted by **P.Jayakanth** (18A31A0341), **P.S.S.Ganesh** (18A31A0343), **P.Sandeep** (18A35A0347), **V.Sandeep** (18A31A0349), **P.Geetha sri** (19A35A0302) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. A. PHANI BHASKAR, M.Tech.,
Assistant Professor



Head of the Department:

Dr. BSV Raghav Rao, M.Tech., M.E., Ph.D.,
Professor, Department of ME
Department of ME



External Examiner

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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**DESIGN OF PRECISION STEERING MECHANISM AND MOTION STUDY OF ACKERMANN STEERING MECHANISM FOR A FOUR-WHEELER VEHICLE WITH MINIMUM ERROR PERCENTAGE**” is being submitted by K. Sri Satya Sandeep(18A31A03H9), K. Praveen(19A35A0348), K. Phani Kumar (18A31A03H4), N.Ram Pavan Kumar (18A31A03I7), K. Sai Surya Manjunadh (18A31A03I0) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mrs. P. GAYATHRI M.Tech
Assistant Professor
Department of ME

Head of the Department:

Dr. BSV. Ramesh Babu Ph.D
Professor
Department of ME



PRAGATI ENGINEERING COLLEGE

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1-378, ADB Road, Surampalem, Near Peddapuram-533437

CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “EFFECT OF LAYER HEIGHT AND PRINTING SPEED ON PRINT TIME ESTIMATION AND COST ANALYSIS OF CNC CUTTING TOOL” is being submitted by N. Venkat (19A35A0337), N. Durga Prasad (18A31A03D2), P. Sai Manoj (18A31A03E0), Y. Satish (18A31A03F6), T. Raj Kumar (18A31A03E8) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs. P. GAYATHRI M.Tech.,

Assistant Professor

Department of ME


Head of the Department:

Dr. B. S. V. Rama Rao B.E., ME, MBA, Ph.D.

Professor Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**PERFORMANCE IMPROVEMENT OF AN ORGANIC RANKINE CYCLE WITH LOW GRADE THERMAL ENERGY INPUT FROM A COMPOUND PARABOLIC COLLECTOR**” is being submitted by **CHITTURI CHAKRAVARTHI (19A35A0318), KONDAPU KRISHNA SAI (18A31A0366), KUTCHU MANI TEJA (18A31A0369), MALIREDDY PRANEETH CHOWDARY (18A31A0373), SATYAVADA MANIKANTA (18A31A0393)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Ms. M. AMRUTHA M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

Dr.B.S.V.Rama Rao MBA, M. Tech., Ph.D

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DESIGN AND MASS OPTIMIZATION OF STEERING ARM FOR METAL ADDITIVE MANUFACTURING AND SIMULATING 3D PRINTING PROCESS TO AVOID THE WRAPAGE FAILURE**” is being submitted by **Ainapurapu M V Satya Sai Raghava Raja (18A31A03F8)**, **Yadagani Bala Venkata Krishna (18A31A03K5)**, **Vasa Mohan Kumar (18A31A03K2)**, **Mediseti Sai Arjun (18A31A03I2)**, **Pulimetla Bhushan Kumar (18A35A0345)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Ms. M. AMRUTHA M.Tech.,

Assistant Professor

Department of ME


Head of the Department:

Dr. B. S. Rama Rao MBA, ME, PhD



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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “ **PRODUCT DESIGN AND DEVELOPMENT USING 3D TECHNOLOGY BY FUSED DEPOSITION MODELLING**” is being submitted By **V.V.D. ABHISHEK (19A35A028), P.SAI KRISHNA (18A31A0388), A.NIRANJAN (19A35A0315), S.KOWSHIK DURGA SAI (18A31A0391), P.Ramu (18A31A0385)**, in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2019-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project guide:

MS.K. TULASI M.Tech

Department of ME

Head of the Department: **M.TECH**

Dr.B.S.V.Rama Rao M.Tech.Ph.D



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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “**THERMAL ANALYSIS OF ENGINE CYLINDER FINS TO OPTIMIZE THE SHAPE TO IMPROVE THE HEAT TRANSFER RATE**” is being submitted by **N. Raghuram (19A35A0338), K. Sandeep Kumar (18A31A03C4), V.S.S.S. Sumanth (18A31A03F2), M. Avinash (19A35A0335), A. Sumanth(18A31A03A5)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Ms. K. Tulasi M.Tech.,

Assistant Professor

Department of ME


Head of the Department:

Dr. B. S.V. Rama Rao M. Sc., M.A., Ph.D.

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “CFD ANALYSIS OF HEAT TRANSFER IN A DOUBLE PIPE HEAT EXCHANGER USING FLUENT” is being submitted by Allam Bhima Dhanaraju (18A31A0353), Yandra Bharath Kalyan (18A31A03A3), Naidu Satish (18A31A0380), Pemmadi Prabhuraju (19A35A0325), Medaballi Ram karthik (18A31A0376) in partial fulfillment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. B. HARI KRISHNA M.Tech.,

Assistant Professor

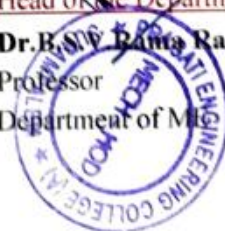
Department of ME

Head of the Department:

Dr. B. S. V. Rama Rao, M.B.A., M.E., Ph.D.

Professor

Department of ME



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CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF AIRCRAFT ENGINE COOLING FAN**” is being submitted by **R. Vinay** (19A35A0340), **R. Leela Satish Kumar** (19A35A0341), **J. Durga Vara Prasad** (18A31A03B7), **T. Anish** (18A31A03E7), **K. Gowri Shankar** (18A31A03C0) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. B. HARI KRISHNA M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

Dr. B. S. V. Rama Rao M.Sc., M.E., PhD

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**GEOMETRY AND LOCATION OPTIMIZATION OF WAVY FLAG TO IMPROVE THE HEAT TRANSFER RATE VORTEX GENERATOR**” is being submitted by **G.D.N.Manikanta** (19A35A0332), **D.B.M.Uma Surya**(19A35A0331), **V.Suneel** (18A31A03F1), **C.Murali Krishna** (18A31A03A7), **P.Arun Kumar** (18A31A03D7) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr.M.LAKSHMI CHAITANYA M.Tech, Ph.D.

Associate Professor

Department of ME

Head of the Department:

Dr.B.S.V.Rama Rao M.B.A, ME, Ph.D.

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING




Learning is Supreme Deity

This is to certify that the project report entitled “**EXPERIMENTAL ANALYSIS ON OPTIMIZATION OF PROCESS PARAMETERS IN FUSED DEPOSITION MODELLING PROCESS**” is being submitted by **S. Hima Teja Reddy (19A35A0313), CH. Veera Yaswanth Kumar (18A31A0314), K. Manikya Chakradhar (18A31A0332), B. Teja Sai Trinadh (18A31A0312), M. Veera Venkata Sai Akhil (18A31A0336)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. V. V. N SARATH M.Tech.,
Assistant Professor
Department of ME


Head of the Department:

Dr. B. S. V. RAMA RAO M.B.E., M.E., Ph. D
Professor
Department of ME



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CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**Design and Analysis of an Uneven Terrain Freight Transportation Mechanism**” is being submitted by **T. T. Sai Srinivas** (18A31A03E9), **M. S. S. Markandeya Swamy** (18A31A03C7), **K. Praveen Srinivas** (18A31A03C2), **Y. V. S. Sri Harsha** (18A31A03F4) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


6/6/22

Project Guide:

Mr. P. Ram Prasad, M.Tech,

Assistant Professor

Department of ME



Head of the Department:

Dr.B.S.V. Rama Rao, M.A., M.E., Ph.D

HOD & Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**EXPERIMENTAL INVESTIGATION OF SURFACE FINISH ENHANCEMENT OF FUSED DEPOSITION MODELED PARTS**” is being submitted by **A. Lokesh** (19A35A0305), **M. Suresh** (18A31A0337), **P. Guna Sagar** (18A31A0345), **G. Satya Sai** (18A31A0322), **S. Ananda Rayudu** (18A31A0309) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. P. RAM PRASAD M.Tech.,

Assistant Professor

Department of ME


Head of the Department:

Dr. B.S.V. RAMA RAO M.E.A., M.E., Ph.D.

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “CFD ANALYSIS OF A FINNED VERTICAL TUBE WITH DIFFERENT CROSS SECTIONS TO IMPROVE THE HEAT TRANSFER RATE” is being submitted by ALLU SUBRAMANYAM(19A35A0316), MANGA VEERA CHANDRA SEKHAR(18A31A0374), CHIKKALA VINAYAK(18A31A0359), SEELI PRAVEEN KUMAR(18A31A0394), PITTA DAANTE(18A31A0387) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering College, for the record of a bonafide work carried out by them


PROJECT GUIDE:

Mr. B. Bharat kumar M.Tech.,
Assistant Professor
Department of ME


HEAD OF DEPARTMENT

Dr. B.S.V. Rama Rao M.B.A, M.Tech., Ph.D.
Professor
Department of ME



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CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DESIGN, MODELLING AND ANALYSIS OF FRONT WHEEL ASSEMBLY OF BAJA SAE VEHICLE**” is being submitted by **M.Venkata Swaroop(18A31A03C6)**, **P.Veerendra(18A31A03D5)**, **Y.Sai Charan(18A31A03F5)**, **G.Sai Teja(18A31A03B4)**, **S.Siva Sai Ram(18A31A03E2)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.



Project Guide:

Mr. B. BHARATH KUMAR MTech. (Ph.D.),

Assistant Professor

Department of ME



Head of the Department:

Dr. B. S. V. Ramarao MBA, ME Ph.D.

Professor

Department of ME



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CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the Major project report entitled “**DEVELOPMENT AND RECONSTRUCTION OF SPINAL CORD FROM CT SCAN FILES AND RPT ESTIMATION ANALYSIS**” is being submitted by **A. SUJATHA PRIYADARSHINI (18A31A0301), Y. SATYA PRABHAKAR MURTHY (18A31A0352), G. SURYA PRAKASH RAJU (18A31A0326), N. SESA SAI ABHIRAM (18A31A0339) , P. SAI SRINIVAS CHAKRAVARTHI (18A31A0340)** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. N. RAGHUVeer M.Tech.,

Assistant Professor

Department of ME

Head of the Department

Dr. B.S.V. RAMA RAO B.E., M.E., M.B.A., Ph.D

Professor

Department of ME



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1-378, ADB Road, Surampalem, Near Peddapuram-533437

CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity


This is to certify that the project report entitled “**MASS OPTIMIZATION OF BRAKING PEDAL AND SIMULATING 3D METAL PRINTING PROCESS TO STUDY THE TEMPERATURE DISTRIBUTION**” is being submitted by **K. Mani Suresh(19A35A0347)**, **M. Bhanu Prakash (19A35A0349)**, **B. Nirosh Varma (18A31A03G1)**, **K. Ajay Kumar (19A35A0345)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. N. RAGHUVeer M.Tech.,

Assistant Professor

Department of ME


Head of the Department

Dr.B.S.V.Rama Rao M.B.A, M.E., Ph.D

Professor

Department of ME



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CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF AIRCRAFT TELESCOPIC WING AND MATERIAL OPTIMIZATION**” is being submitted by **D.SANDEEP DATTA(18A31A0360)**, **M.MUKESH RAMA KRISHNA(18A31A0378)**, **Y.LAKSHMI NARENDRA (18A31A03A4)**, **G.SUDHEER(18A31A0363)**, **B.VENKATA PRASANNA KRISHNA (18A31A0357)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them

Project Guide:

Mr. A. YESWANTH , M.Tech.,

Assistant Professor

Department of ME

Head of the Department

Dr. BSV Ramarao M.B.A., M.E., Ph.D.,

Professor

Department of ME



PRAGATI ENGINEERING COLLEGE

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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “3D PRINTING THERMO-MECHANICAL ANALYSIS OF CARBURETTOR FOR OPTIMIZED SUPPORT STRUCTURE ORIENTATION USING SLM 280 MACHINE” is being submitted by R. Vinay Kumar (18A35A03339), E. Sandeep (18A31A03B1), U. Manikanta Swamy (18A31A03F0), N. Sai Nilekh (18A31A03D0), P. Veera Venkata Kowshik (18A31A03D8) in partial fulfilment for the award of the degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr. A. Yeswanth M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

Dr. BSV. Rama Rao Ph.D.,



PRAGATI ENGINEERING COLLEGE

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CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Duty

This is to certify that the project report entitled is "BUCKLING ANALYSIS OF CANTILEVER TWISTED FGM PLATE FOR BUCKLING LOAD AND NON-BUCKLING DIMENSIONAL BUCKLING LOAD" it is being submitted by E. Kiran (18A31A03B0), N. Uma Srinivasu (18A31A03C9), K. Trinadh (18A31A03B8), SK. S. J. H. Kareemulla Sha Khadari (18A31A03E1), N. Subhash (17A31A0398) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. A. Phani Bhaskar M. Tech

Assistant Professor

Department of ME


Head of the Department

Dr. B. S. V. Ramarao M.B.A., M.Tech, Ph.D

Professor

Department of ME



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1-378, ADB Road, Surampalem, Near Peddapuram-533437

CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “ANALYSIS OF EFFECT OF PROCESS PARAMETERS ON FUSED DEPOSITION MODELING (FDM) TECHNIQUE” is being submitted by **M. Sai Venkata Srinivasa Reddy (19A35A0309)**, **G. Rama Lakshmi (19A35A0301)**, **T. Meghana (19A35A0303)**, **B. Manojna (18A31A0305)**, **A. Satish Kumar (18A31A0308)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

K. Aravinda

Project Guide:

Mrs. K. ARAVINDA M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

Dr.B.S.V. RAMA RAO M.E., Ph. D

Professor

Department of ME



PRAGATI ENGINEERING COLLEGE

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1-378, ADB Road, Surampalem, Near Peddapuram-533437

CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “MODELLING AND MASS OPTIMIZATION OF CNC MACHINE ARBOR FOR MAXIMUM CUTTING FORCE BY ALTAIR INSPIRE SOFTWARE” is being submitted by **D. VENKATA SURYA SAI** (19A35A0319), **S. VENKATESH** (18A31A0395), **R. LALITH KISHAN** (18A31A0370), **C. YUVARAJ PRASAD**(19A35A0317) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year 2019-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

K. Aravinda

Project Guide:

Mrs. K. Aravinda M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

Dr.B.S.V.Rama Rao M.A., M.E., Ph.D.,

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DESIGN AND MODELLING OF FRANCIS TURBINE BY USING GENERATIVE SHAPE DESIGN**” is being submitted by **M. Sai Praneeth**(18A31A03I4), **D. Ravi Varma** (19A35A0344), **A. Madhu** (18A31A03F9), **P. Noel Ratnakar** (18A31A03J2) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a Bonafede work carried out by them.


Project Guide:

Dr. D.J. JOHNSON MTech, (PhD)
Assistant Professor
Department of ME


Head of the Department

Dr. B.S.V. Rama Rao B.E., M.E., MBA, Ph.D.
Professor
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PRAGATI ENGINEERING COLLEGE

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1-378, ADB Road, Surampalem, Near Peddapuram-533437

CERTIFICATE

DEPARTMENT OF MECHANICAL ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled "CAD MODELLING OF HUMAN ANKLE FROM CT AND MRI SCAN TO STUDY THE BONE DISLOCATION AND PLANNING OPERATION METHODOLOGY BY USING SLICING SOFTWARE" is being submitted by G.V.V.Satyanarayana (18A31A03025), M. Venkata Ramana (18A31A0334), P. Ganesh (18A31A0348), K. Vakshika Kalyani (18A31A0307), D. Apparao (18A31A0318) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. D. J. JOHNSON M.Tech., (Ph.D.)

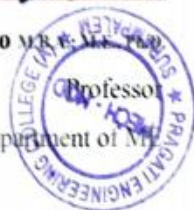
Associate Professor

Department of ME


Head of the Department:

Dr. B. S. V. Rama Rao M.B.A., M.Tech., Ph.D.

Professor
Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “ANALYSYS OF G CODE ON FDM BUILD PARTS TO ACHIEVE THE EXACT HEIGHT OF CADMODEL” is being submitted by **R.Venkata Siva Subrahmanyam**(19A35A0311), **V.Veera Durga Chishma**(19A35A0304), **Ch.Dorababu**(18A31A0316), **Jagadishvara** (18A31A0311), **P.Veera Venkata Sai Kishore** (18A31A0342) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide: 26/12/2022

Mr. S. SRIKANTH M.Tech.,
Assistant Professor
Department of ME


Head of the Department:

Dr. B. S. V. RAMA RAO M.A., M.B.A., Ph.D.



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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project report entitled “OPTIMIZATION OF PRINTING PROCESS PARAMETERS TO AVOID THE PLASTIC STRAIN DURING THE PRINTING OF MICRO CHANNEL” is being submitted by Padala Veera Venkata Ganesh Pavan Kumar (18A31A03I9), Chetla Srikar (18A31A03G4), Imminni Teja Srinivas (18A31A03H0), Gampala Pavan Satya Kumar (18A31A03G8), Adusumilli Hemanth Chowdary (18A31A03F7) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr.S.SRIKANTH M.Tech.,

Assistant Professor

Department of ME


Head of the Department

Dr.B.S.V.Rama Rao M.B.A./ME, Ph.D

Professor

Department of ME



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This is to certify that the project report entitled “OPTIMISATION OF SUPPORT STRUCTURES TO AVOID THE LIFT OFF OF PRINTING COMPONENT FOR RENISHAW AM 240 MACHINES” is being submitted by DINDI NAGA PRASHANTH (18A31A0361), MEDISETTI SUNIL KUMAR (18A31A0371), THOTAKURA PAVAN (18A31A0397) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. M. SUNIL RAJ M. Tech

Associate Professor

Department of ME

Head of the Department:

Dr. B.S.V. Rama Rao MBA M.Tech., Ph.D.

Professor

Department of ME



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DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the project report entitled “STRUCTURAL ANALYSIS OF EARTH AUGER BIT” is being submitted by **B.SriHarsha**(19A35A0343), **K.Gowtham** (19A35A0346), **V.Vinay** (18A31A03K3), **P.Dhanush**(19A35A0353), **R.Ramakrishna** (18A31A03J4) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. M.SUNIL RAJ M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

Dr.B.S.V.Rama Rao M.B.A., M.E., Ph.D.,

Professor

Department of ME



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This is to certify that the project report entitled “**THERMAL ANALYSIS OF SOLAR AIR HEATER USING CFD AS A TOOL**” is being submitted by Palivela **Rakesh** (19A35A0324), Nagala Satish Kumar (18A31A0379), Surada Surya **Dileep** (18A31A0396), Vasamsetti Sandeep Kumar (18A31A0399) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide

Mr. G.V.N. SANTHOSH M.Tech.,

Assistant Professor

Department of ME

Head of the Department:

Dr. B.V.V. Ramesh Rao MIRA, M.E., Ph.D.

Professor

Department of ME



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2018-2022

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This is to certify that the project report entitled “**MODELLING AND DAMPING ANALYSIS OF HIGH GRADE STEEL ALLOY DRIVE SHAFT IN AUTOMOBILE**” is being submitted by **CH. Sravani Jyothi Varalakshmi** (18A31A0302), **K. Sri Satish Chandra** (18A31A0331), **M. Bhavana Sri** (18A31A0306), **J. Satish Charan** (18A31A0328), **D. Raghavendra Hari Hara Pavan** (18A31A0319) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. G. V. N. SANTHOSH M.Tech.

Assistant Professor

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DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the project report entitled “A PURE THERMAL ANALYSIS OF 3D PRINTING FOR ENGINE HEAD FOR DIFFERENT LASER POWERS TO OPTIMIZE THERMAL DISTRIBUTION” is being submitted by N. Hema Sundar Bulliyya (19A35A0352), P S V B Datta Varun (18A31A03J1), G. V. V. S. Narasimha (18A31A03G9), K. Tarun (18A31A03H8), A. Rishin Raju (18A31A03G0) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2019-2022 in Mechanical Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. V. V. N. Sarath, MTech.,
Assistant Professor of ME
Department of ME


Head of the Department:

Dr.B.S.V. Rana M.E., M.B.A., Ph.D.,
Professor



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CERTIFICATE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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This is to certify that the project report entitled "**IOT BASED AGRICULTURE SYSTEM**" is being submitted by **G.P.D.K.MAHALAKSHMI**(18A31A0261), **ISUKAPATI A SYAMSUNDAR**(19A35A0218), **NARUKULA HARIKA**(18A31A0268), **KESUBOINA SUBHASHI**(19A35A0221), **MAKA APPANNA**(19A35A0222), in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electrical and Electronics Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Do not affix outside

Mrs.V.R.V.S. Sai Valli M Tech

Assistant Professor

Department of EEI




Head of the Department

Mrs.K.Sandhyarani M Tech

Assistant Professor

Department of EEI


7/6/2022

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



Learning is Supreme Deity

This is to certify that the Project Report entitled "POLY HOUSE MONITORING SYSTEM IN AGRICULTURE USING IOT" is being submitted by N Durga Santhoshi Mata (18A31A0209), Y Vamsi Krishna (18A31A0254), K Chinna Venkata Reddy (18A31A0236), G Tulasi Swetha (19A35A0201), S Venkata Mani Teja (18A31A0252) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Sandhya Ravi.k
Mrs. K. SANDHYA RANI
M. Tech.,
H.O.D - E.E.E.

Sandhya
23/5/22

Ms.p. Sandhya, MTech,
Assistant professor,
Dept. of EEE

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



This is to certify that the Project Report entitled “ENERGY METER READING MONITORING THROUGH IOT” is being submitted by P.ESWAR(18A31A02A0),R.SRIKANTH(18A31A02A2),K.VENKATESH(18A31A0294),M.SANJEEV(18A31A02A7),K.JASWANTH(19A35A0220), in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering of Pragati Engineering College, for the record of Bonafide work carried out by them.

Durga Devi
Project Guide:

Mrs. G. DURGA DEVI M.Tech
Assistant Professor
Department of EEE

I/C Sandhya Rani. K
Head of the Department :

Mrs. K. SANDHYA RANI M.Tech
HOD
Department of EEE





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This is to certify that the Project Report entitled "INTERNET CONTROLLED STREET LIGHTS" is being submitted by KOLA UMAR SATISH KUMAR (18A31A0232), YARRAPRAGADA DHEERAJ (18A31A0253), DESAMSETTI SURYA KUMAR (18A31A0226), AINAVELLI SATISH (18A31A0219), VARASALA TARUN KUMAR (18A31A0249) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Prasad K.

Project Guide:

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Assistant Professor

Department of E.E.E.

M. Sandhya Rani K

Head of the Department:

Mrs. K. Sandhya Rani M.Tech

Assistant Professor

H.O.D-EEE

2/6/22



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This is to certify that the Project Report entitled “WORK FORCE SAFETY MONITORING USING IOT” is being submitted by DEVARAKONDA VAMSI (18A31A0227), GUBBALA SATYA MEGHANA (18A31A0201), KOTHAPALLI GANGA BHAVANI (18A31A0206), CHANGANTI JANARDHAN KAMESH (18A31A0222), CHILUKURI VARA PRASAD (18A31A0223) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.

shank

Project Guide:

Mr. K.SIVA SANKAR M.Tech

Assistant Professor

Department of E.E.E



K. Sandhya Rani
Head of the Department:

Mrs.K.Sandhya Rani M.Tech

Assistant Professor

H.O.D-EEE

G. S. R.
26/12

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This is to certify that the Project Report entitled "SOLAR CHARGE : E-VEHICLES WITH IOT" is being submitted by P. Udaya Sree (18A31A0212), A. Tarun Sai (18A31A0220), V. Surya Kiranmai (19A35A0202), B. Bhanu Prakash Reddy (18A31A0221), D. Lokesh (18A31A0229) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Sandhya Rani
MRS. K. SANDHYA RANI
M.Tech.,
H.O.D - E.E.E.

Mr. K. Sri Ramu
Mr. K. Sri Ramu, M.Tech
Assistant professor
Dept. of EEE



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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



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This is to certify that the Project Report entitled “**CREATING SIGNAL FREE TRAFFIC FOR AMBULANCE**” is being submitted by **A. Durga Satya Sai Kiran Kumar** (18A35A0282), **K. Ramya** (18A31A0263), **Ch. Siva Rama Krishna** (18A31A0283), **K. Sai Venkata Naveen** (18A31A0292), **Arsha Zaheen** (18A31A0256) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Project Guide:

Dr. G. Naresh, M. Tech., Ph.D.
Professor & Vice-Principal
Department of E.E.E.




Head of the Department:

Mrs. K. Sandhya Rani, M. Tech.,
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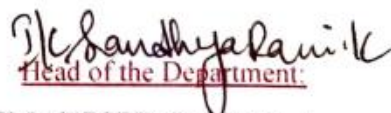
Learning is Supreme Deity

This is to certify that the Project Report entitled “ **DOOR ACCESS CONTROL SYSTEM – RFID**” is being submitted by Y. MAHIMA ANJEELINA (19A35A0212), G. SANJAY KUMAR (18A31A087), Y. YAMINI RAVALI (18A31A0285), G. VIJAY SAGAR (19A35A0216), D. BHAVANI SHANKAR (18A31A0285) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Project Guide:

Dr.A.MOHAN DURGA KUMAR
Associate Professor.
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Head of the Department:

Mrs.K.SANDHYA RANI M.Tech
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This is to certify that the Project Report entitled “SPEED CONTROL AND DIRECTION CONTROL OF DC MOTOR BLYNK APP” is being submitted by **B.CHANDINI(18A31A0258), D.OMKAR(18A31A0284),K.MONIKA(18A31A0264),D.PREMKUMAR(18A31A0286),V.S.N.S. D.VIMAL (18A31A0279)** in partial fulfilment for the award of the Degree of **Bachelor of Technology** during the year **2018-2022** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



D. prakasa rao
Project Guide:

Mr. D.PRAKASA RAO.
Assistant Professor
Department of EEE.

S/c Sandhyarani K
Head of the Department:

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HOD, Assistant Professor
Department of EEE

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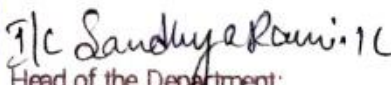
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This is to certify that the Project Report entitled "Automatic Phase Selector in Power Supply" is being submitted by **P.Ramya Sri(18A31A0211)**, **A.Sri Ram Pavan (19A35A0203)**, **M.Akash (18A31A0237)**, **K.Uma Nagendra Swaroop(18A31A0218)**, **M.Sujatha (18A31A0207)** in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Project Guide:

Mrs.CH V.V. Manga Lakshmi M.Tech.,
Assistant Professor
Department of EEE




Head of the Department:

Mrs. K. Sandhya Rani M.Tech
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Department of EEE


8/6/22

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This is to certify that the Project Report entitled “**ACTIVITY BASED LIGHTING SYSTEM USING IOT**” is being submitted by M. Radha Lahari (18A31A0267), M.Ravi Varma (19A35A0223), B. Bhanu Prasad (19A35A0214), M. Tejaswi (18A31A0265), S.Yunus (18A31A02A4) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of Bonafide work carried out by them.

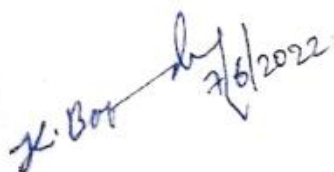

Project Guide:

Mrs. K. SANDHYA RANI M.Tech
Assistant Professor
Department of EEE




Head of the Department:

Mrs. K. SANDHYA RANI M.Tech
HOD
Department of EEE


X. Bor 7/6/2022

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This is to certify that the Project Report entitled "AQUA FARMING SYSTEM USING PH SENSOR AND IOT" is being submitted by B. SATYA AKHILA (18A31A0257), B. YASASWINI KRISHNASRI (18A31A0259), MALLADI BHARGAVA SRI SAI SUNDAR (18A31A0296), MOHAMMAD KHAMRUDDIN JAVEED (18A31A0298), THIPARTI H S S V MANI VAMSI (18A31A02A5) in partial fulfillment for the award of the Degree of Bachelor of Technology, during the year 2018-2022, in Electrical & Electronics Engineering of Pragati Engineering College. for the record of bonafide work carried out by them.

M.V. Chandra
Project Guide

Mr. M. Veera Chandra Kumar
M.tech
Assistant Professor



Mrs. K. Sandhya Rani
Head of the Department

Mrs. K. Sandhya Rani
M.tech
Assistant Professor
HoD- EEE.

J.L. Bor *9/6/2022*

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This is to certify that the Project Report entitled "Accident spot identification System" is being submitted by CH.Anjani(18A31A0260), P.Sirisha(18A31A0271), V.PremKumar(18A31A0278), G.S.SaiManohar(18A31A0291), M.Abhinash(18A31A0297) in partial fulfilment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.

K. Sandhya Rani
Head of the department:



Mrs. K. Sandhya rani
M.TECH
HOD-EEE

M. Manga Lakshmi
Project guide:

Mrs. M. Manga Lakshmi

M.TECH

Assistant professor

K. Sandhya Rani
2/6/2022

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This is to certify that the Project Report entitled "INTERNET OF THINGS GAS LEAKAGE IDENTIFICATION SYSTEM USING BLYNK APP" is being submitted by **A.J. Prasanth kumar** (19A35A0213), **S.S.Archana Bhargavi** (18A31A0274), **K.S.K Nikitha** (18A31A0262), **V. Durga Rao** (19A35A0224), **G. Sumanth** (18A31A0288) in partial fulfilment for the award of the Degree of **Bachelor of Technology** during the year **2018-2022** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.

Project Guide:

Mr.CH.PAVAN KUMAR M.Tech

ASSISTANT PROFESSOR

Department of EEE



Head of the Department

Mrs.K.SANDHYA RANI M.Tech

ASST.PROFESSOR, INCHARGE-HOD

Department of EEE

J2. Box 7/6/2022



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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



Learning is Supreme Duty

This is to certify that the Project Report entitled "**REMOTE OIL FACILITIES MONITORING USING INTERNET OF THINGS**" is being submitted by **Y. NAGA LAKSHMI PRANATHI (18A31A0275), P. SWATHI (19A35A0211), J. UMA MANI SHANKAR (19A35A0219), G. DEEPAK KUMAR (18A31A0289), G. BHAGYA VINAYAKA YOGI (18A31A0290)** in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Project Guide:

Mr. T. Prasanth Jayakumar, M.Tech
Assistant Professor
Department of EEE




Head of the department:

Mrs. K. Sandhya Rani, M.Tech
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HOD-EEE
Department of EEE


7/6/2022

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



Learning is Supreme Duty

This is to certify that the project report entitled “AUTOMATIC BILLING SYSTEM USING IOT TECHNOLOGY FOR SMART CITIES” is being submitted by P. Sai Kishore (19A35A0207), K. Naga Durga (18A31A0205), S. Anand Eswar (19A35A0209), V. Varshita (18A31A0216), G. Shyam Kumar (18A31A0231) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Dr. A. MOHAN DURGA KUMAR M.Tech., Ph.D
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This is to certify that the Project Report entitled “SMART FARMING SYSTEM USING ZIGBEE TECHNOLOGY” is being submitted by V Sai Shyam (19A35A0225), P Purna Latha (18A31A0269), G Kumar Swamy (19A35A0215), P Lasya Priya (18A31A0270), R Uday Kiran (18A31A02A3), in partial fulfillment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering of Pragati Engineering College, for the record of Bonafide work carried out by them.



Mubeen
Project guide:

Mr. S K Mubeen
M.Tech
Assistant professor

I/c Sandhya Rani
Head of the department:

Mrs. K. Sandhya rani
M.Tech
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K. Basu *7/6/2022*

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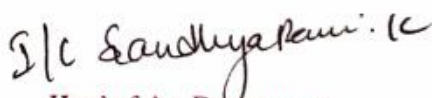
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This is to certify that the project report entitled “**FIRE ALERT MONITORING SYSTEM IN PARKING AREA USING IOT**” is being submitted by **A. SATISH** (18A31A0281), **K. SAMUEL** (18A31A0293), **R. SATYANARYANA** (18A31A02A3), **G. HARISH** (19A35A0217), **CH. V SAI BHASKAR** (18A31A0277) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electrical And Electronics Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


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Mr. K. V. DURGA PRASAD M.Tech
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This is to certify that the Project Report entitled “RFID BASED BILLING SYSTEM” is being submitted by R.Vara Lakshmi Devika (18A31A0272), S. Sunny(18A31A0273), M. Mounika (18A31A0266), Abdul Safru Qureshi(18A31A0280), N. Vamsi (18A31A0299) in partial fulfilment for the award of the Degree of Bachelor of Technology , during the year 2018-2022 in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.

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Project Guide

Mr. M.VEERA BABU M.Tech.,

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T/C Sandhya Rani K
Head of the Department

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12.04.2022
7/6/2022

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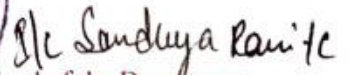
This is to certify that the Project Report entitled “**SMART PARKING SYSTEM**” is being submitted by G.Venkata Rama Lakshman (18A31A0230), D. Ram Mohan (18A31A0228), K. Madhu (18A31A0235), N. Vamsi (18A31A0240), P. S. S. D. Anil Kumar (18A31A0244), R. Kailash (18A31A0247) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Project Guide:

Ms. S. Vara Lakshmi MTech.,

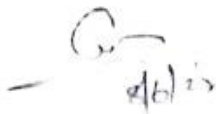
Assistant Professor
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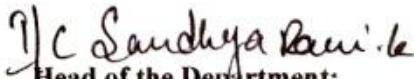
Learning is Supreme Deity

This is to certify that the Project Report entitled “**IOT – SMART SWITCH**” is being submitted by J.Hari Chandana (18A31A0202), Ch.Verragahava Reddy (18A31A0224), T.Suman Pravarsha (18A31A0214), M.Nikitha Subbalakshmi (18A31A0208), R.Bhargav (18A31A0248) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Project Guide:

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Head of the Department:

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H.O.D - E.E.E.

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This is to certify that the project report entitled “**WOMEN SELF PROTECTION USING IOT & GPS**” is being submitted by **K.Aditya Sri Harsha (18A31A0234)**, **V.Manideep (18A31A0251)**, **V.S.R.K.Chaitanya (18A31A0250)**, **N.S.L.Ramesh (18A31A0241)**, **S.Venkat (19A35A0208)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.



S.S. Bhargavi
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K. Sandhya Rani
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Mrs.K.SANDHYA RANI M.Tech.
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This is to certify that the Project Report entitled “**SOLAR BASED SMART STREET LIGHTING SYSTEM**” is being submitted by **N. Surya Kiran** (18A31A0242), **M. Satya Sriram** (19A35A0206), **V. V. V. Lokesh** (19A35A0210), **Y. Naga Surendra** (19A35A0255), **S. Prasanth Kumar** (18A31A0246), **D. Chandra Sekhar** (19A35A0205) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electrical & Electronics Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



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K. Sandhya Rani
Head of the Department.

Mrs. K. Sandhya Rani M.Tech.,

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G. Srinivas
8/6/22

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This is to certify that the project report entitled “IMPLEMENTATION OF IOT BASED SMART WAREHOUSE MONITORING SYSTEM” is being submitted by **T .Gowri Ramya** (19A35A0409), **P.Sushmika** (18A31A0473), **K.Rajesh** (18A31A0489), **M.S.Shanmukheswar** (18A31A0499), **N.Uttham** (18A31A04A2) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. K.V.S.Akhil M.Tech.,

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Head of the Department:

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Department of ECE

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This is to certify that the Project Report entitled “**DESIGN OF MULTIPLY ACCUMULATE (MAC) UNIT USING QUANTUM DOT CELLULAR AUTOMATA**” is being submitted by Vedula Sri Vidya (18A31B0426), Pullipudi Pardhasaradhi Gupta (18A31B0450), Allu G S S D V Ramakrishna(18A31B0430), Kala Durga Sriram(18A31B0440), Kosetti Mahesh(18A31B0438) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V. Sailaja, M. E., Ph. D

Professor & HOD of ECE



Mr. Y. VIJAY KUMAR, M.Tech

Assistant Professor, ECE Dept.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled "AUTOMATIC TOUCH LESS HAND SANITIZER DISPENSER SYSTEM" is being submitted by G.Prasanna (18A31B0406), P.Satya Syamala (18A31B0418), G. Satya Manikanta (18A31B0437), K. Bhargav (18A31B0442), T. Sai Harsha (18A31B0455) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. Sailaja, M.P.H.D.
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Mr John Saidha Shaik, M.Tech
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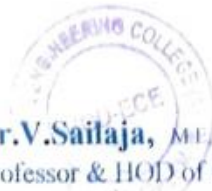
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This is to certify that the Project Report entitled “**GAS LEAKAGE DETECTION AND AUTOMATIC GAS BOOKING ALERT SYSTEM USING IOT**” is being submitted by D.Satyanarayana(19A35B0402), K.Deepika(18A31B0405), P.V.V.Ganesh(18A31B0447), S.YaminiSriya(18A31B0427), C.H.YesuBabu(18A31B0432), N.ManiBhavana(18A31B0414) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr.V.Sailaja, M.E., Ph.D.
Professor & HOD of ECE


Mr. T Deepak, M.Tech
Assistant Professor

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This is to certify that the project report entitled “**FAULT TOLERANT DESIGN COMPARISON STUDY OF TMR AND 5MR**” is being submitted by **P. Likhita** (18A31A0471), **A. Pavankumar** (18A31A0483), **S. V V T S Chandrasekhar** (18A31A04B4), **T. L Veeresh**(18A31A04B8), **Y. Omkar Murthy** (19A35A0411) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


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Head of the Department:

Dr. V. Sailaja M.E., Ph.D

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Department of ECE

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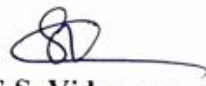
CERTIFICATE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “IMPLEMENTATION OF ATM SECURITY SYSTEM USING GSM” is being submitted by M. Swathi Priyanka (18A31B0412), P.Vyjayanthi (18A31B0419), P. Naga Sri Siva Aditya (18A31B0448), P. Siva Rama Ganesh (18A31B0451), S.Raja (19A35B0403) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. Sailaja, M.E., Ph.D
Professor & HOD of ECE


Mrs. B.S.S. Vidya, M.Tech (Ph.D)
Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “ANTI THEFT PROTECTION BY GSM WITH FINGERPRINT VERIFICATION” is being submitted by A.V.Siri Lakshmi(18A31B0401), V.S.S.Samhitha(18A31B0425), V.Dinesh(18A31B0457), Ch.Vamsi(18A31B0433), N.Kumar Manikanta(18A31B0446) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr. V. Sailaja, M. E, Ph. D
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Mani Babu

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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This is to certify that the project report entitled “CONTROLLING OF STREET LIGHTS USING SMART PHONE” is being submitted by **T. Sai Kishore** (18A31A0456), **M.D.Rubina Fathima** (18A31A0417), **K.Pooja Harika** (18A31A0412), **I.Retwik Satya Teja** (18A31A0442), **P.Salahuddin** (18A31A0455), **M.D.Roshan** (18A31A0450) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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Head of the Department:

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Department of ECE

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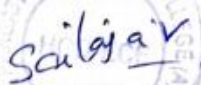
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This is to certify that the Project Report entitled **“CLOUD SWITCH : IOT BASED HOME APPLIANCES”** is being submitted by K.S.V.V.Chandrasekhar (18A31A04G1), S.Pushpa Kumari (18A31A04E0), T. Sai Pranuthi (18A31A04E4), Sayyad Khaja Imran (18A31A04H7), Y.Raghu Sri Vijay (18A31A04I0), K.Rajiv Kiran (18A31A04G3) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of **bonafide** work carried out by them.


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Professor & HOD of ECE


Mrs. K. Surya Kumari, M. Tech, (Ph. D)
Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**IOT BASED SCHOOL CHILDREN TRANSPORTATION SAFETY SYSTEM**” is being submitted by B.Sri Samhitha (18A31A04C2), Ch.Pavan(18A31A04F3), R.DeepikaRamya(18A31A04D7), B.Mahesh(19A35A041), D. Sujith varma(18A31A04F4) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for their cord of bonafide work carried out by them.


Dr. V. Sailaja, M.E, Ph.D
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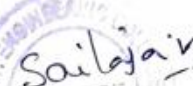
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This is to certify that the Project Report entitled "**IMPLEMENTING VEHICLE BLACK BOX SYSTEM BY IOT BASED APPROACH**" is being submitted by NEMANI ADARSH KUMAR (18A31A04H1), KOPPADI SATYA SURYA (18A31A04G4), GORINTA KOUSHIK VARMA (18A31A04F9), CHALUMURI CHETAN (18A31A04F2), DHANAWADA CHIRANJEEVI ARIVANDA RAO (18A31A04F5) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. Sailaja, M.E, Ph.D
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This is to certify that the project report entitled "**FIRE ALERT AND CONTROLLING SYSTEM IN INDUSTRIES**" is being submitted by **D.Anulekha** (18A31A0463), **R.Appayamma** (18A31A0478), **K.Sai Sandeep** (18A31A0490), **P.Sukumar** (18A31A04A4), **M.Suresh** (19A35A0410) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. T.Vishnu Murthy M.Tech.(Ph.D)

Assistant Professor

Department of ECE

Head of the Department:

Dr.V.Sailaja M.E., Ph.D

Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**INTELLIGENT WALKING STICK FOR BLIND: ULTRASONIC DETECTION**” is being submitted by **P. PRAGNA SAI (18A31A04D5)**, **K. SWAROOPA (18A31A04C7)**, **G. SIVA (18A31A04F7)**, **G. SAI HARITHA (18A31A04C6)**, **A. PRADEEP (18A31A04E8)** in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. Sailaja, M.E., Ph.D.
Professor & HOD-ECE


Dr. Sanjit Kumar Dash, M.E., Ph.D.
Professor, Dept. of ECE

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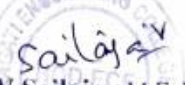
1-378, A.D.B. Road, Surampalem, Near Peddapuram – 533437

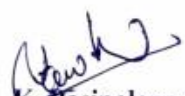
CERTIFICATE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**FLASH FLOOD INTIMATION OVER IOT**” is being submitted by V. Sri Harshini (18A31A04E6), V. Indu Kesavi (18A31A04E5), M. Venkata Krishna (19A35A0418), P. Ashok Kumar (18A31A04H6), K. Siva Gowtham Varma (18A31A04G2) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


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Professor & HOD of ECE


Mr. K. Pasipalana Rao, M.Tech
Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**IOT BASED SMART STREET LIGHTING SYSTEM BY USING ARDUINO**” is being submitted by N.Ramya (18A31A04D3), V.Suguna (18A31A04E7), A.V.V.V.Prasad (18A31A04E9), B.Ajay Kumar (18A31A04F0), P.G.S.Anjananandan (18A31A04H2) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. Sailaja, M.E, PhD

Professor & HOD of ECE


M. P. Anuradha, M.Tech

Assistant Professor

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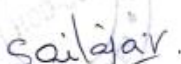
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



Learning is Supreme Deity

This is to certify that the Project Report entitled “AUTOMATED VEHICLE PARKING SYSTEM AND UNAUTHORIZED PARKING DETECTOR” is being submitted by **TEKI NAVYA SRI (18A31A04E2), KORIPURI ANIL KUMAR (18A31A04G5), ALLAKA LEELA SATYA LAKSHMI (18A31A04C1), NAMANA PAVANI (18A31A04D2), PAMU AVINASH PRASAD (18A31A04H3)**, in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bona-fide work carried out by them.


Dr.V.Sailaja : M.E., Ph.D
Professor & HOD of ECE


Mr.B.Kalyanchakravarthy, M.Tech
Assistant professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**TEMPERATURE BASED FAN SPEED CONTROLLER**” is being submitted by G.SAI SANJANA (18A31A04C5), M. ESWAR SRI RAM (18A31A04G8), A. MAHESH (19A35A0416), M. HANUMA HARSHIT (18A31A0G9), M.V.V.N.S.S.A.L.A. AISHWARYA (18A31A04D0) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. Sailaja, M.E, Ph.D
Professor & HOD of ECE


Mrs. I. Jyothi Priyanka, M.Tech
Assistant Professor

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**IMPLEMENTATION OF VOICE BASED HOME AUTOMATION USING BLUETOOTH**” is being submitted by **V. Sai Ratna Tilak (18A31A04B9), P. Hari Krishna Kishore (18A31A04B2), M. Lovaraju(18A31A0497), P. Durga Suhruth (18A31A04A9)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Mr. Satish

Project Guide:

Mr. CH.SATISH M.Tech.,

Assistant Professor

Department of ECE

Sailaja
Head of the Department:

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Professor

Department of ECE

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This is to certify that the project report entitled “**IOT BASED SMART SECURITY AND HOME AUTOMATION SYSTEM**” is being submitted by **P.S.V.V. Satyanarayana** (18A31A04A7), **T. Yamini Sree** (18A31A0482), **P.V. Sai Kishore** (18A31A04B1), **A.R.A. Swetha** (18A31A0461), **P.Gautham**(18A31A04A5) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mrs. G. Amulya Priyanka M.Tech.,

Assistant Professor

Department of ECE

Head of the Department:
Dr. V. Sailaja V. MEE, Ph.D
Professor

Department of ECE

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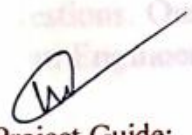
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DEVELOPMENT OF ELECTRONIC STICK FOR BLIND WITH PANIC BUTTON**” is being submitted by **M.Satya Priya(18A31A0468)**, **T.Gayathri (18A31A0481)**, **K.Naga Sai (18A31A0492)**, **P.Uday Bhaskar(18A31A04A6)**, **P.Beulah (19A35A0407)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs. S. Vaishnavi M.Tech.,

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Head of the Department:

Dr.V.Sailaja M.E., Ph.D

Professor
Department of ECE

K Naga Sai

P Uday Bhaskar

P Beulah

18A31A0492

18A31A04A6

19A35A0407

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Learning is Supreme Deity

This is to certify that the project report entitled "PLANT LEAF DISEASE DETECTION USING SUPPORT VECTOR MACHINE" is being submitted by K. Sai Durga Prasad (18A31A0493), M.Siva Durga Prasad (18A31A0496), P.Sai Ram (18A31A04A8), S.A K Jilani (18A31A04B5), Y.V V Satyanaryana Murthy (19A35A0412) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. T. SEKHAR M.Tech.,(Ph.D)

Assistant Professor

Department of ECE

Head of the Department:

Dr. V. Sailaja M.E., Ph.D

Professor

Department of ECE

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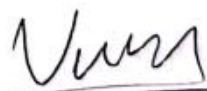
CERTIFICATE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**AUTOMATIC DOOR BELL WITH OBJECT DETECTION**” is being submitted by I.Bhavana (18A31A0407), G. Susruta (18A31A0406), M. Sanjay kumar (18A31A0449), M.Bhanu kiran (18A31A0446), N.Venkat Varma (18A31A0451) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr.V.Sailaja, M.E, Ph.D
Professor & HOD of ECE


Ms.P.ViswaSanthi, M Tech
Assistant Professor

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This is to certify that the project report entitled “INTERACTIVE AND INTELLIGENT SHOPPING TROLLEY USING RFID AND ZIGBEE TECHNOLOGY” is being submitted by M. B. V. Sumanth (18A31A0495), C. Shinu (18A31A0485), SH. Farooque (18A31A04B6), P. Heciba (18A31A0476), K. Sowjanya (18A31A0466) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Dr. A. SRINIVAS M.Tech., Ph.D

Associate Professor

Department of ECE


Head of the Department:
Dr. V. Sailaja M.E. Ph.D
Professor
Department of ECE

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This is to certify that the project report entitled "IOT BASED SMART PARKING SYSTEM" is being submitted by P.Sesha Sravani(19A35A0408), P.Pushpa Rani(18A31A0475), B.Satyanarayana (18A31A0484), M.Venkat(18A31A04A0), D.Venkata Ramana(18A31A0486) in partial fulfillment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mrs.M.NEELIMA M.Tech.,

Assistant Professor

Department of ECE

Head of the Department:

Dr.V.Sailaja M.E., Ph.D

Professor

Department of ECE

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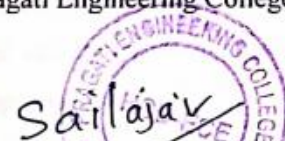
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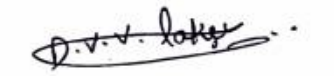
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “SENSOR BASED CAR PARKING INDICATION AND ALERTING SYSTEM” is being submitted by Ch.Lakshmi Prasanna(18A31B0403), P.P.SaiManisha(18A31B0417), G.Manjunath(18A31B0436), S.Sai Naveen(18A31B0452) V.Raviteja(19A31B0405) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. Sailaja M.E, Ph.D
Professor & HOD of ECE


Mrs. D.V.V. LAKSHMI M.Tech
Assistant Professor

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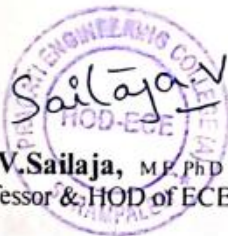
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This is to certify that the Project Report entitled “IOT SOLUTIONS FOR SMART CITIES:GARBAGE BIN MANAGEMENT SYSTEM AND REPORTING TO MUNICIPAL AUTHORITIES” is being submitted by B.Sitasri Ratnam(18A31B0408),CH.Geethanjali(18A31B0408),M.Shanmukheswari(18A31B0408),P. Saikiran(18A31B0449), S.PrashanthSwaroop(18A31B0453) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Sailaja, M.E, PhD
Professor & HOD of ECE


Mr.M.Ravi kumar, M.Tech
Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**DESIGNING OF FINGER PRINT RECOGNITION BASED ACCESS CONTROL FOR ELECTRONIC MEDICAL RECORD SYSTEMS**” is being submitted by **Jayasri Allam (18A31A0409)**, **Chunduri Sri Anupama (18A31A0403)**, **S.L.V.Aishwaryambika (19A35A0403)**, **C Mohan Geeth (18A31A0434)**, **M Mrunaal Varma (19A35A0405)** in partial fulfillment for the award of the Degree of **Bachelor of Technology** in **Electronics & Communication Engineering** of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr.V.Sailaja, M.E., Ph.D
Professor & HOD of ECE


Mrs.B.Suryasudha Rani, M.Tech
Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



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This is to certify that the Project Report entitled “**IOT Based University Garbage Monitoring System for Healthy Environment For Students**” is being submitted by T.Bhavana(18A31B0424) A. Dhanush Goud(18A31B0431), P. Tejaswi(18A31B0415), Y. M. S. S Revanth(18A31B0429) P. Ganesh(19A35B0406), K. Bhuvanesh(18A31B0439) partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bona-fide work carried out by them.



Dr. V. Sailaja

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

HOD-ECE

Mr. R. V. Simhadri

M.Tech

Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**IOT Based fuel level monitoring system**” is being submitted by **J.AikyaSri(18A31A0408)**, **V.VasukiPriya(18A31A0424)**, **D.Sai Babu(18A31A0439)**, **P.Siva(18A31A0454)**, **V.SriKanth(18A31A0458)**, **P.SuneelSubhash(19A35A0406)** in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.

Project Guide:

Mr. M. BRAHMA RAJU M.Tech.,

Assistant Professor

Department of ECE

Head of the Department:

Dr. V. Sailaja M.E., Ph.D

Professor

Department of ECE

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “AUTOMATIC RAIN SENSING WIPER” is being submitted by M.Venkata Vineetha(18A31A416), V.Susmitha Rani(18A31A425), V.S.S.R.Akanksha(18A31A0426), A.B.GopalaKrishna(18A31A0428), D.VenkataAbhiram(18A31A0438), G.Sai Ram(18A31A0441) in partial fulfillment for the award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering** of Pragati Engineering College, for the record of **bonafide work** carried out by them.


Dr. V. Sailaja
M.E, Ph.D
HOD-ECE

Mrs.G.Srilakshmi
M.Tech(Ph.D)
Assistant Professor

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

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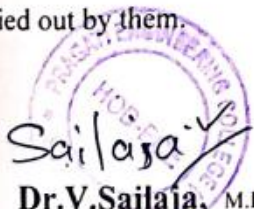
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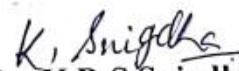
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**CREATING ARTIFICIAL ENVIRONMENT FOR HIGH PRODUCTIVITY AND MONITORING USING IOT**” is being submitted by Y.V.Lakshman (18A31A0459), P.Geethika (18A31A0420), M.Keerthi (18A31A0418), D.Neeraj Swamy (18A31A0437), A.Prem Kumar (18A31A0431) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr.V.Sailaja, M.E, Ph.D
Professor & HOD of ECE


Mrs.K.D.S.Snigdha, M.Tech
Assistant Professor

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

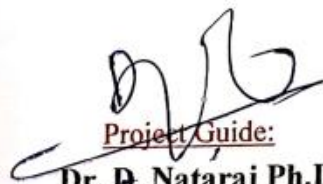
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “VOICE BASED WHEELCHAIR CONTROL SYSTEM” is being submitted by P. Durga Pavan Vineesh (18A31A04M7), K. Sharmila Krishna Sai (18A31A04I9), T. Sri Sai Kiran (18A31A04N8), B. Ramya (18A31A04I5), P. Sri Sai Sri Ram (18A31A04M6) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year 2018-2022 in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonfide work carried out by them.


Project Guide:
Dr. D. Nataraj Ph.D.

Professor

Department of ECE

Dr. DASARINATARAJ
B.Tech., M.Tech., Ph.D. (Engg.)
PROFESSOR


Head of the Department:
Dr. V. Sailaja M.E., Ph.D.

Professor

Department of ECE

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Learning is Supreme Deity

This is to certify that the Project Report entitled “**IOT BASED INTELLIGENT AGRICULTURE FIELD MONITORING SYSTEM**” is being submitted by K. Sai. Karthik(18A31A0445), A. Swamy (18A31A0430), B. Harsha Srikanth (18A31A0433), K. Jyothi Kumar (18A31A0444), P. Pavan(18A31A0453), A. Vijay(18A31A0432) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.

Project Guide:

Mr. Ch. Venkateswarlu, M. Tech, (Ph. D)

Assistant Professor
Department of ECE

Head of the Department:

Dr. V. Sailaja M.E., Ph.D

Professor
Department of ECE

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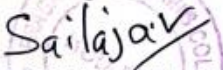
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**IOT BASED SMART HELMET AND ACCIDENT IDENTIFICATION**” is being submitted by KONDEPUDI VIJAYA DURGA (18A31A04C8), BORRA LEELA KRISHNA PRIYA (18A31A04C3), SAMAYAMANTHULA SAI LAKSHMI (18A31A04D8), SETTIBATHULA SUPRIYA (18A31A04D9), PASUMARTHI VAMSI VISWANAD (18A31A04H5) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr.V.Sailaja, M.E, Ph.D
Professor & HOD of ECE


Mr.V.SATTIBABU, M.Tech
Assistant professor

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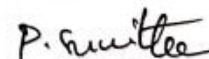
CERTIFICATE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “VEHICLE ACCIDENT AVOIDANCE WITH ROAD ADVERSE CONDITIONS MONITORING” L.Bhavya Chandu Sri (18A31B0410), P.Satya Venkata Durga (18A31B0416), S.Sri Jyothirmai Devi (18A31B0422), Wafeeq Alishah (18A31B0428), L.Sai Subrahmanya Ganesh (18A31B0443), V.Naga Durga Dwarakesh (18A31B0458), in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. SAILAJA
M.E., Ph.D.
Professor & HOD-ECE


Dr. P. Sunitha,
M.tech., Ph.D.
Professor

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CERTIFICATE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “AUTOMATIC RAILWAY GATE CONTROLLER WITH HIGH SPEED ALERTING SYSTEM” is being Submitted by Temmanaboyina Sahithya (18A31A04E3), Pagadala Ramalakshmi (18A31A04D4), Vanapalli Siva Rama Krishna Swamy (18A31A04H9), Boddu Bala Siddartha (18A31A04F1), Kovvuri Sudheer Chandra (18A31A04G6) in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonified work carried out by them.

Sailaja.v
Dr. V. Sailaja M.E Ph.D.
Professor & HOD of ECE

Deepthi
Mrs. K. Deepthi, M Tech
Assistant Professor

PRAGATI ENGINEERING COLLEGE

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1-378, A.D.B. Road, Surampalem, Near Peddapuram – 533437

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**ENHANCED SECURITY SYSTEM FOR ATM SERVICES USING SENSORS AND GSM MODEM**” is being submitted by Ch. Phani Madhavi (19A3510413), S. Harisha (18A31A04E1), G.V.V.S. Aakarsh (18A31A04F6), M. Sudhakar Chowdary (18A31A04H0), N. Amitha (18A31A04D1) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Sailaja, M.E, Ph.D
Professor & HOD of ECE

Dr.V.Radhika, M.Tech, Ph.D
Associate Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “ANTI THEFT PROTECTION BY GSM WITH FINGERPRINT VERIFICATION” is being submitted by A.V.Siri Lakshmi(18A31B0401), V.S.S.Samhitha(18A31B0425), V.Dinesh(18A31B0457), Ch.Vamsi(18A31B0433), N.Kumar Manikanta(18A31B0446) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr. V. Sahaja, M. E, Ph. D
Professor & HOD of ECE

Mani Babu

Mr. B. Mani Babu, M.Tech
Assistant Professor

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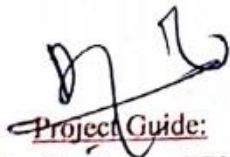
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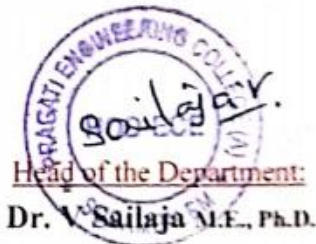
This is to certify that the Project Report entitled **"VOICE BASED WHEELCHAIR CONTROL SYSTEM"** is being submitted by P. Durga Pavan Vineesh (18A31A04M7), K. Sharmila Krishna Sai (18A31A04I9), T. Sri Sai Kiran (18A31A04N8), B. Ramya (18A31A04I5), P. Sri Sai Sri Ram (18A31A04M6) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year 2018-2022 in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonfide work carried out by them.


Project Guide:

Dr. D. Nataraj Ph.D.

Professor

Department of ECE


Head of the Department:

Dr. V. Sailaja M.E., Ph.D.

Professor

Department of ECE

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled "TEMPERATURE BASED FAN SPEED CONTROLLER" is being submitted by G.SAI SANJANA (12A31A04C5), M. ESWAR SRI RAM (12A31A04G2), A. MAHESH (19A35A0416), M. HANUMA HARSHI (12A31A04G9), M.V.V.N.S.S.A.L.A. AISHWARYA (12A31A04D0) in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr. N. Vallabha, M.E., Ph.D.

Professor & HOD of ECE

I. Jyothi Priyanka

Mrs. I. Jyothi Priyanka, M.Tech

Assistant Professor

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OF
ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled "GESTURE BASED MESSAGE CONVEYOR FOR PARALYTIC DISABLED PEOPLE" is being submitted by D. E. S. S. R. Rohith (18A35B0401), G. N. S. B. Chaitanya (18A31B0435), S. Sri Harsha (18A31B0454), G. T. S. Nandini (18A31B0407), M. Sai Deepika (18A31B0421) in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Sailaja
Dr. V. Sailaja, M. E. Ph. D.
Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled "DESIGN AND IMPLEMENTATION OF SAFETY ARMBAND FOR WOMEN AND CHILDREN" is being submitted by G.V.S. Sindhuja (18A31A04I7), M.Vijaya Deepthi (18A31A04J2), P.Satish (18A31A04M9), T. Lokesh (18A31A04N7), G. Rajesh (19A35A0421) in partial fulfillment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Sailaja, M.E, Ph.D

Professor

Department of ECE

Sailaja V
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Professor

Department of ECE

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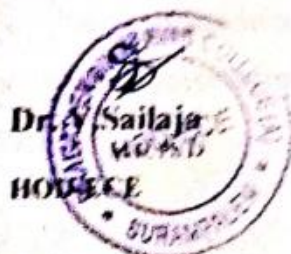
1-378, A.D.R. Road, Surampalem, Near Peddapuram - 524627

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled "AUTOMATIC RAIN SENSING WIPER" is being submitted by M.Venkata Vinetha(18A31A016), V.Sumantha Ranu(18A31A025), V.S.S.R.Akanksha(18A31A0426), A.B.GopalaKrishna(18A31A0428), D.VenkataAbhirami(18A31A0438), G.Sai Ram(18A31A0441) in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Mrs. C. Sathishkumari
of Section C1
Assistant Professor

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “DEVELOPMENT OF ELECTRONIC STICK FOR BLIND WITH PANIC BUTTON” is being submitted by M.Satya Priya(18A31A0468), T.Gayathri (18A31A0481), K.Naga Sai (18A31A0492), P.Uday Bhaskar(18A31A04A6), P.Beulah (19A35A0407) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

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Assistant Professor
Department of ECE

Head of the Department:

Dr.V.Saibaba M.E., Ph.D

Professor
Department of ECE

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DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING



This is to certify that the Project Report entitled " **TRAFFIC DENSITY ANALYZER CUM SIGNALLING SYSTEM FOR METRO CITIES** " is being submitted by M.LAVANYA(18A31A04C9) ,P.Lakshmi sai anuhya (18A31A04D6), J.Anirudh guru shasank (18A31A04G0), K. Surendra(18A31A04G7), S. Bharath(18A31A04H8) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Sajjala, M.E,Ph.D

Professor & HOD of ECE

Mr.P.Venkateswara Rao, M.Tech

Assistant Professor

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1-378, A.D.B. Road, Surampalem, Near Peddapuram – 533437

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “CREATING ARTIFICIAL ENVIRONMENT FOR HIGH PRODUCTIVITY AND MONITORING USING IOT ” is being submitted by Y.V.Lakshman (18A31A0459), P.Geethika (18A31A0420), M.Keerthi (18A31A0418), D.Neeraj Swamy (18A31A0437), A.Prem Kumar (18A31A0431) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Sallaja, M.E., Ph.D

Professor & HOD of ECE

K. Snigdha

Mrs.K.D.S.Snigdha, M.Tech

Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “GAS LEAKAGE DETECTION AND AUTOMATIC GAS BOOKING ALERT SYSTEM USING IOT” is being submitted by D.Satyanarayana(19A35B0402), K.Deepika(18A31B0405), P.V.V.Ganesh(18A31B0447), S.Yamini Sriya(18A31B0427), C.H.Yesu Babu(18A31B0432), N.Mani Bhavana(18A31B0414) in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Sallaja, M.E, Ph.D
Professor & HOD of ECE

Deepak

Mr.T Deepak, M.Tech
Assistant Professor

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This is to certify that the Project Report entitled “**IOT BASED SMART ROADS, INTELLIGENT HIGHWAYS WITH WARNING MESSAGES AND DIVERSIONS ACCORDING TO CLIMATIC CONDITIONS**” is being submitted by **B.Rajasri (18A31A0401), G.Thanmayi (18A31A0405), K.Subha (18A31A0414), S.DivyaSri (18A31A0421), Y.S.V.V. Lakshmi (18A31A0427)** in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics & Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs. G.V.UJWALA, M.Tech (Ph.D)

Assistant Professor

Department of ECE



Head of the Department:

Dr. V. Sailaja, M.E., Ph.D

Professor

Department of ECE

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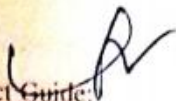
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION



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This is to certify that the project report entitled "FIRE ALERT AND CONTROLLING SYSTEM IN INDUSTRIES" is being submitted by D.Anulekha (18A31A0463), R.Appayamma (18A31A0478), K.Sai Sandeep (18A31A0490), P.Sukumar (18A31A04A4), M.Suresh (19A35A0410) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year 2018-2022 in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr. T.Vishnu Murthy M.Tech.(Ph.D)

Assistant Professor

Department of ECE



Head of the Department:

Dr.V.Sailaja M.E., Ph.D

Professor

Department of ECE

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled "**IMPLEMENTING VEHICLE BLACK BOX SYSTEM BY IOT BASED APPROACH**" is being submitted by NEMANI ADARSH KUMAR (18A31A04H1), KOPPADI SATYA SURYA (18A31A04G4), GORINTA KOUSHIK VARMA (18A31A04F9), CHALUMURI CHETAN (18A31A04F2), DHANAWADA CHIRANJEEVI ARIVANDA RAO (18A31A04F5) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Sailaja, M.E,Ph.D

Professor & HOD of ECE

Mrs. M.Pavani, M.Tech

Assistant Professor

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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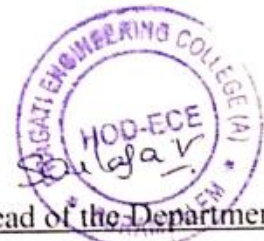
This is to certify that the project report entitled "**DRIVER DROWSINESS DETECTION AND ALERTING SYSTEM**" is being submitted by Ch. Divya Devi Sri (18A31A0402), V.Shree Deepti (18A31A0423), N.Praveen Kumar (18A31A0452), N.Lalitha(19A35A0402), D.Sumanth (19A35A0404) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. P. KRISHNA CHAITANYA M.Tech.,

Assistant Professor

Department of ECE



Head of the Department:

Dr.V.Sailaja M.E., Ph.D

Professor

Department of ECE

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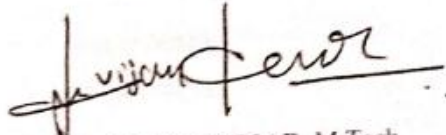
CERTIFICATE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**DESIGN OF MULTIPLY ACCUMULATE (MAC) UNIT USING QUANTUM DOT CELLULAR AUTOMATA**” is being submitted by Vedula Sri Vidya (18A31B0426), Pullipudi Pardhasaradhi Gupta (18A31B0450), Allu G S S D V Ramakrishna(18A31B0430), Kala Durga Sriram(18A31B0440), Kosetti Mahesh(18A31B0438) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Dr. V. Sathya, M. E. Ph. D
Professor & HOD of ECE


Mr. Y. VIJAY KUMAR, M.Tech
Assistant Professor, ECE Dept.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



Learning is Supreme Deity

This is to certify that the Project Report entitled “HOME AND INDUSTRIAL SAFETY USING FIRE AND GAS DETECTION SYSTEM” is being submitted by **B.Ajitha Sri Purnakruthi (18A31A04I3), N.Dhruvitha(18A31A04J4), D.V S S S Girish(18A31A04L1), K.Rupeswara Reddy (18A31A04M0), B. Akanksha (18A31A04I4)** in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. Y. Vijay Kumar M.Tech.,

Assistant Professor

Department of ECE

Head of the Department:

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “DESIGNING OF AGRO SENSE SYSTEM FOR EFFICIENT FARMING” is being submitted by A. Manisha (18A31A04I2), K. Manila(18A31A04J0), K. Manikanta(18A31A04L9), T. Sasikanth (18A31A04N9), Y. Anurag(18A31A04O0) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.


Project Guide:

Ms.CH.N.S.T.Devi, M.Tech.,
Assistant Professor
Department of ECE


Head of the Department:

Dr.V.Sailaja M.E., Ph.D
Professor
Department of ECE

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**FLASH FLOOD INTIMATION OVER IOT**” is being submitted by V. Sri Harshini (18A31A04E6), V. Indu Kesavi (18A31A04E5), M. Venkata Krishna (19A35A0418), P. Ashok Kumar (18A31A04H6), K. Siva Gowtham Varma (18A31A04G2) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Satish Kumar, M.E., PhD

Professor & HOD of ECE

Mr. K. Pasipalana Rao, M.Tech

Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled "AUTOMATIC RAILWAY GATE CONTROLLER WITH HIGH SPEED ALERTING SYSTEM" is being Submitted by Temmanaboyina Sahithya (18A31A04E3), Pagadala Ramalakshmi (18A31A04D4), Vanapalli Siva Rama Krishna Swamy (18A31A04H9), Boddu Bala Siddhartha (18A31A04F1), Kovvuri Sudheer Chandra (18A31A04G6) in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonified work carried out by them.



Dr. V. Sailajam, Ph.D.
Professor & HOD of ECE

K. Deepthi

Mrs. K. Deepthi, M.Tech
Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled “**DESIGNING OF FINGER PRINT RECOGNITION BASED ACCESS CONTROL FOR ELECTRONIC MEDICAL RECORD SYSTEMS**” is being submitted by Jayasri Allam (18A31A0409), Chunduri Sri Anupama (18A31A0403), S.L.V.Aishwaryambika (19A35A0403), C Mohan Geeth (18A31A0434), M Mrunaal Varma (19A35A0405) in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr.V.Sailaja, M.E, Ph.D
Professor & HOD of ECE

Mrs.B.Suryasudha Rani, M.Tech
Assistant Professor

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the Project Report entitled "**IOT BASED SMART HELMET AND ACCIDENT IDENTIFICATION**" is being submitted by KONDEPUDI VIJAYA DURGA (18A31A04C8), BORRA LEELA KRISHNA PRIYA (18A31A04C3), SAMAYAMANTHULA SAI LAKSHMI (18A31A04D8), SETTIBATHULA SUPRIYA (18A31A04D9), PASUMARTHI VAMSI VISWANAD (18A31A04H5) in partial fulfilment for the award of the Degree of **Bachelor of Technology** in Electronics & Communication Engineering of Pragati Engineering College, for the record of bonafide work carried out by them.



Dr. V. Sathya, M.E., Ph.D.
Professor & HOD of ECE

Mr. V. SATTIBABU, M.Tech

Assistant professor

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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This is to certify that the project report entitled "INTRUSION DETECTION AND AUTO GUN FIRING SYSTEM IN BORDER SECURITY" is being submitted by G. Veera Sai Uma (18A31A0465), S. V. Sai Harshini (18A31A0479), D. Madhu Kiran (18A31A0487), M. J. Srirama rao (18A31A0498), M. Sunil Kumar (18A31A04A1) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Y. Pavan Kumar

Project Guide:

Mr. Y. Pavankumar M.Tech.,

Assistant Professor

Department of ECE



Head of the Department:

Dr. V. Sailaja M.E., Ph.D

Professor

Department of ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled "IOT BASED REAL TIME REMOTE PATIENT MONITORING SYSTEM " is being submitted by **A.V.Sai Nandini (18A31A0462)**, **P.Anupama(18A31A0472)**, **P.B.S Sujeeth(18A31A04A3)**, **P.Manikanta Satish (18A31A04B0)**, **V.Sudheer (18A31A04C0)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Electronics and Communication Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.



Project Guide:

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

Associate Professor

Department of ECE



Head of the Department:

Dr.V.Sailaja M.E., Ph.D

Professor

Department of ECE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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This is to certify that the project report entitled "A GENERIC MODEL FOR DIGITAL IMAGE FORGERY DETECTION USING DEEP LEARNING TECHNIQUES" is being submitted by D.ALEKYA (18A31A0564), K.ABHISHEK SAGAR (18A31A05A2), L.SAI BHARANI (18A31A0570), K.BALA PRASADA (18A31A0568), M.VISHAL (18A31A05A9) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Computer science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Satya
Project Guide:

Mrs.T.SATYA ARUNA
Assistant Professor
Department of CSE

M. Radhika
Head of the Department:

Dr.M.Radhika Mani
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G. Srinivas
External Examiner



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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This is to certify that the project report "AN AUTOMATIC ONLINE USER DATA VERIFICATION AND COMPARISON FROM E-GOVERNMENT USING AI" is being submitted by G. RAKSHITH ROY (18A31A05A0), K. SURESH (18A31A05A5), I. GANGADHAR (18A31A05A1), M. MALLIKA (18A31A0571), in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mrs. K. SHAMSRI

Assistant Professor(Department of CSE)

Head of the Department:

Dr. M. Radhika Mani, B.E.

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External Examiner

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This is to certify that the project report entitled "A HYBRID LEARNING ALGORITHM FOR TEXT CLASSIFICATION" is being submitted by T. SRI NAVYA (18A31A0587), CH. DURGA PRASAD (18A31A0597), K. TEJA SAI PRANAV (18A31A05A6), M. S NISHWANTH (18A31A05A8), MD. ABRAR AHMED SHARIEF (18A31A05B2), in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs. A. S Malleswari

Assistant Professor(Department of CSE)


Head of the Department
Dr. M. Radhika Mani
Professor(Department of CSE)


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This is to certify that the project report entitled "A SCALABLE SYSTEM FOR IDENTIFYING SIMILARITY OF TEXT AND IMAGE DATA FROM DOCUMENTS USING AI AND DLP" is being submitted by A. Sowmya Priya (18A31A0561), P. Vinay Rohit Reddy (18A31A05B4), N. Hasitha Chowdary (18A31A0576), V. Sathish (18A31A0591), R. Ishwarya Krishna (19A35A0509) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs. L. Yamuna
Assistant Professor
Department of CSE


Head of the Department
Dr. M. Radhika Mann
Professor Department of CSE
Department of CSE




External Examiner

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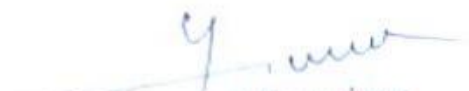
This is to certify that the project report entitled "AN EFFICIENT NETWORK INTRUSION DATA ANALYSIS AND INTRUSION DETECTION USING AI" is being submitted by **P.Sirisha** (18A31A0580), **S.Keerthi Srivalli** (18A31A0583), **N.Navya Swetha** (18A31A0575), **V.Prudhvi Raju** (18A31A0592), **V.Rohini** (18A31A0590) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mr.G.Vijay Kumar
Assistant Professor
Department of CSE


Head of the Department

Dr.M.Radhika Mani
Professor & HOD
Department of CSE


External Examiner



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This is to certify that the project report entitled "AN EFFICIENT AND ANONYMISE DATA SHARING APPLICATION(LSS) USING DISTRIBUTED BLOCKCHAIN" is being submitted by B.Sri Sai Swetha Lalitha Eswari (18A31A0563), I.Srinidhi (18A31A0588), A.Ganga Pradeep (18A31A0593), K.Sri Jnanendra Siva Ramakrishna (18A31A05A7), M.Abdul Qadir Jilani (18A31A05B1), in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

T. Tejasvi
Project Guide:

Mrs.T.Tejasvi.M.Tech
Assistant Professor
Department of CSE


Head of the Department:
Dr.M.Kathika Mani.M.Tech,Ph.D.
Professor & HOD
Department of CSE

[Signature]
External Examiner

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




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This is to certify that the project report entitled "MACHINE LEARNING BASED ONLINE PRODUCTS REVIEW ANALYSIS AND MONITORING USING NLP" is being submitted by N. Lakshmi Sanjana (18A31A0574), M. Lakshmi Sowjanya (18A31A0573), P. Vamsi Krishna Varma (18A31A05B6), T. Divya Sudha (19A35A0511), N. Sai Chandu (18A31A05B3) in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year 2018-2022 in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Dr.Y.V.RAMKUMAR
Professor
Department of CSE


Head of the Department

Dr.M.Radhika Mani
Professor & HOD
Department of CSE


External Examiner



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CERTIFICATE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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This is to certify that the project report entitled "A novel Blockchain methods of verification of product and fakes elimination" is being submitted by P. Tejaswi (18A31B0525), V. Sreeja (18A31B0531), A. K. Sai Kiran (18A31B0545), V. Ram Gopal (19A35B0501), K. Mahalakshmi Venkata Deepthi (19A35B0507) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2019-2022** in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mrs. G. SURYAKALA ESWARI
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Head of the Department:

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Professor & HOD
Department of CSE

External Examiner

Dr. A.S.N. CHAKRAVARTHY
PROFESSOR

Dept. of Computer Science & Engineering
JNTU Kakinada
Kakinada, A.P., India-533002

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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This is to certify that the project report entitled "DEEP LEARNING BASED VEHICLE ACCIDENT DETECTION AND ANALYSIS USING CCTV VIDEOS" is being submitted by **P.Aparna(18A31A0579), S.Anusha(18A31A0586), D.Karthik(19A35A0512), P.Tejas Raju (18A31A05B5), A.Navya(18A31A0562)**, in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr.S.Suresh,M.Tech,PhD.,

Associate Professor

Department of CSE

Head of the Department,

Dr.M.Radhika Mani,M.Tech,PhD.,

Professor & HOD

Department of CSE



External Examiner

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This is to certify that the project report entitled "AN AUTOMATIC VEHICLE DETECTION AND ANALYSIS TO PREDICT THE GREEN SIGNAL TIME FOR CONTROLLING TRAFFIC" is being submitted by N.Lalitha (18A31A0577), S.Sumanth (18A31A05B7), V.Hemanth Sai Prasanth (18A31A05B8), M.V.Sandeep(19A35A0513), K.Satya Manikya Naga Tulasi (18A31A0566), in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. K.Chandra Sekhar M.Tech, PhD,

Assistant Professor

Department of CSE

Head of the Department:

Dr.M.Radhika Mani

Professor & HOD

Department of CSE

External Examiner

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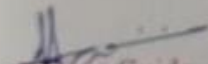
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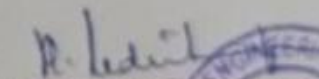
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This is to certify that the report entitled "ONLINE USER DEPRESSION USING TEXT SEQUENCE WITH NEURAL NETWORK", that is being submitted by S. VANI SRI SINDHU(18A31A0584), V.H.S.L.VARDHINI (18A31A0589), SAI KUMAR(18A31A0594), K.SAI SUBRAHAMANYAM (18A31A05A3), S.CHAITANYA KUMAR(19A35A0514), in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering. Pragati Engineering College is a record of bonafide work carried out by them.


Project Guide,

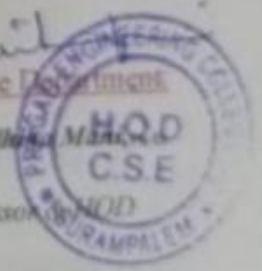
Mrs. A. Harini, M.Tech

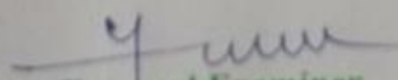
Asst. Professor, CSE Department


Head of the Department,

Dr. M. Radhika, M.Tech

Professor, CSE




External Examiner

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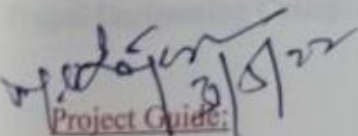
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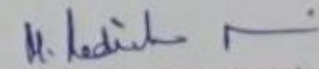
This is to certify that the project report entitled "A NOVEL APPROACH TO ANALYZE AND PREDICT THE HEART DISEASE USING AI" is being submitted by M. Sri Laya (18A31A0572), K. Madhavi Prathyusha (18A31A0567), C. Vishal Abhinav (18A31A0598), M. Yashua Augustine (18A31A05B0), Sk. Moben Yasmeen (19A35A0510) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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

Associate Professor

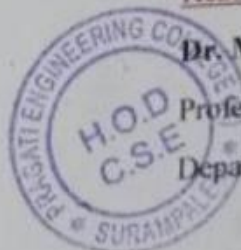
Department of CSE

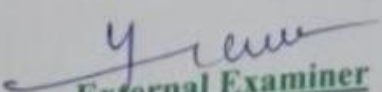

Head of the Department:

Dr. M. Radhika Mani Ph.D

Professor & HOD

Department of CSE




External Examiner

2018-2022
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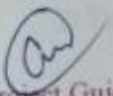
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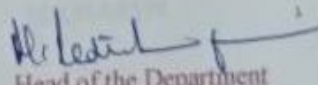


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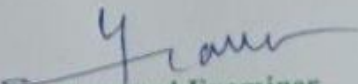
This is to certify that the project report entitled "A GENERIC MULTIFACTOR COMPARISON MODEL TO POPULATE THE TRENDING VIDEOS FROM CROSS DOMAIN" is being submitted by R.Sreelekha (18A31A0582), K.Lakshmi Sravani (18A31A0565), P.Jahnavi Swarupa (18A31A0581), K.Drupath Tarun Teja (18A31A05A4), D. Tharun Kumar (18A31A0599) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs.K.Ganga Devi Bhavani
Assistant Professor
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Head of the Department

Dr.M.Radshika Mani
Professor & HOD
Department of CSE


External Examiner



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This is to certify that the project report entitled "MACHINE LEARNING BASED ONLINE PRODUCTS REVIEW ANALYSIS AND MONITORING USING NLP" is being submitted by N. Lakshmi Sanjana (18A31A0574), M. Lakshmi Sowjanya (18A31A0573), P. Vamsi Krishna Varma (18A31A05B6), T. Divya Sudha (19A35A0511), N. Sai Chandu (18A31A05B3) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Dr.Y.V.RAMKUMAR

Professor

Department of CSE

Head of the Department

Dr.M.Radhika Mani

Professor & HOD

Department of CSE

External Examiner



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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This is to certify that the project report entitled "A SECURE AND EFFICIENT DIGITAL CERTIFICATE VALIDATION USING CHAOTIC BLOCK CHAIN ALGORITHM" is being submitted by P. V. S. Abhiram (18A31B0551), S. Shivani (18A31B0527), D. Apoorv (18A31B0539), CH. Chinmai Ganesh (18A31B0536), A. Deepika Veera Sai (18A31B0504) in partial fulfilment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

T. Deepthi
Project Guide:

Mrs. T. Deepthi

Assoc. Professor, CSE Department

H. Radhika
Head of the Department:

Dr. M. Radhika Mani, Ph.D

Professor & HOD



A. S. N. Chakravarthy
External Examiner

Dr. A.S.N. CHAKRAVARTHY
PROFESSOR

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Kakinada, A.P, India-533003

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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This is to certify that the project report entitled "A NOVEL APPROACH FOR ANALYSING AND PREDICTING THE ONLINE MONEY TRANSACTIONS USING MACHINE LEARNING AUTO ENCODERS" is being submitted by K.Jyothika (18A31B0510), R.Leela Venkata Kamalakar Sai (18A31B0552), Y.Srivalli (19A35B0503), K.Kavya (18A3B0517), A.Amulya (18A31B0501), in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

Mr. G. Uma Mahesh, M.Tech

Asst. Professor, CSE Department

Head of the Department:

Dr. M. Radhika Mani, Ph.D

Professor & HOD



External Examiner

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PROFESSOR

Dept. of Computer Science & Engineering
JNTU Kakinda
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PRAGATI ENGINEERING COLLEGE

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1-378, ADB Road, Surampalem, E.G. Dist., A.P., Pin-533437

CERTIFICATE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Learning is Supreme Deity

This is to certify that the report entitled "A GENERIC MODEL FOR ANALYSING AND PREDICTING THE PATIENTS ADMISSIONS USING MACHINE LEARNING", that is being submitted by S. ABHIRAM(18A31B0554), S. NAVEEN ESWAR(18A31B0555), K. SNEHIKA(18A31B0512), A. SWATHI(18A31B0505), K. KARTHIK(18A31B0543) in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering, Pragati Engineering College is a record of bonafide work carried out by them.

K.L.
Internal Guide

Mr. K. Srikanth

Asst. Professor of CSE

M. Radhika Mani
Head of the Department

Dr. M. Radhika Mani

Professor & HOD of CSE



A.S.N. Chakravarthy
External Examiner

Dr. A.S.N. CHAKRAVARTHY
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JNTU Kakinada
Kakinada, A.P., India-531002

PRAGATI ENGINEERING COLLEGE

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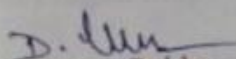
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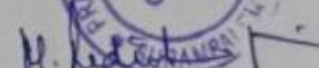
Learning is Supreme Deity

This is to certify that the project report entitled "CHILD EMOTION IDENTIFICATION AND PREDICTION USING FACIAL FEATURES USING DIGITAL IMAGE PROCESSING AND SVM" is being submitted by KHAIRUNNISA SHAH(18A31A0513), G. HARI PRIYANKA(18A31A0509), B. KARTHIK(18A31A0533), M. DEVA KIRAN(18A31A0546), M. GANESH(18A31A0545) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

Mrs.D.Uma., M.Tech,
Assistant Professor(Department of CSE)




Head of the Department:

Dr.M.Radhika Mani, Ph.D
Professor (Department of CSE)


External Examiner

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)

(Approved by AICTE & Permanently Affiliated to JNTUK & Accredited by NBA and NAAC)

1-378, ADB Road, Surampalem, E.G.Dist., A.P, Pin-533437.



CERTIFICATE

This is to certify that the report entitled "AN AUTOMATIC AND HEIGH EFFICIENT CHATBOT APPLICATION USING ARTIFICIAL INTELLIGENCE AND DEEP LEARNING", that is being submitted by V.SATISH(18A31A0558), CH.NAVEEN KUMAR(18A31A0535), S.LEELA VENKATA RATHNAM(18A31A0523), T.GANGADHAR (18A31A0555), G.SOWJANYA(18A31A0508), in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering, Pragati Engineering College is a record of bonafide work carried out by them.

Internal Guide

Mr. A. Janardhana Rao

Asst. Professor, CSE Department

Head of the Department

Dr. M. Radhika Mani

Professor & HOD

External Examiner

PRAGATI ENGINEERING COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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This is to certify that the project report entitled "A SECURE AND EFFICIENT DIGITAL CERTIFICATE VALIDATION USING CHAOTIC BLOCK CHAIN ALGORITHM" is being submitted by P. V. S. Abhiram (18A31B0551), S. Shivani (18A31B0527), D. Apoorv (18A31B0539), CH. Chinmai Ganesh (18A31B0536), A. Deepika Veera Sai (18A31B0504) in partial fulfilment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering of Pragati Engineering College for the record of a bonafide work carried out by them.

T. Deepthi

Project Guide:

Mrs. T. Deepthi

Assoc. Professor, CSE Department

M. Radhika Mani

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Dr. M. Radhika Mani, Ph.D

Professor & HOD



Dr. A.S.N. Chakravarthy
External Examiner

Dr. A.S.N. CHAKRAVARTHY

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PRAGATI ENGINEERING COLLEGE

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CERTIFICATE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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This is to certify that the project report entitled “RNN BASED CRIME DATA ANALYSIS AND EFFECTIVE VISUALIZATION FOR PREDICTING THE CRIME” is being submitted by V. Bhargavi Datta (18A31B0529), N. Sidhvi (18A31B0522), N. Sindhuja (18A31B0520), G. Baandhavi (18A31B0509), M. Mounika (19A35B0506) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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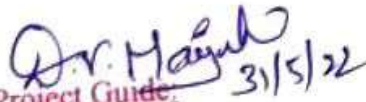
CERTIFICATE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Learning is Supreme Duty


This is to certify that the project report entitled "A NOVEL NOISE WEB DATA LEARNING (NWDL) ALGORITHM TO DETECT DYNAMIC CHANGES IN USER INTERESTS AND REMOVE WEB NOISE" is being submitted by K. Niharika (18A31B0515), K.Lalitha Kiranmai (18A31B0511), N.Abhinandan Varma (18A31B0547), S.Yasaswini (18A31B0528), D.Lakshmi Swetha (18A31B0508) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide 31/5/22

Dr.D.V.Manjula M.Tech,Ph.D
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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This is to certify that the project report entitled "A MACHINE LEARNING MODEL TO CATEGORIZE THE NOXIOUS COMMENTS FROM OSN" is being submitted by CH. PAVAN VAMSI (18A31A0596), S. SRI HARSHITA (18A31A0585), B. RAVI VARMA (18A31A0595), K. MEENAKSHI (18A31A0569), P. MEGHANA (18A31A0578), in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

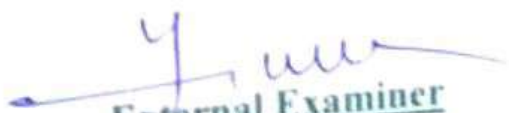
Mr. P. Siva Satya Prasad, M.Tech

Assistant Professor(Department of CSE)


Head of the Department:

Dr. M. Radhika Mani, Ph.D

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This is to certify that the project report entitled “**TRADITIONAL SENTIMENT AND EMOTION IDENTIFICATION SYSTEM TO IMPROVE TEACHING AND LEARNING**” is being submitted by **B. Bala Janardhan** (18A31B0535), **P. Amrutha** (18A31B0523), **R. Manikanta** (19A35B0502), **K.K.S.V.N.N. Sarma** (18A31B0540), **K. Anand Kumar** (18A31B0542) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

Project Guide:

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Dr. M. Radhika Maul, OD

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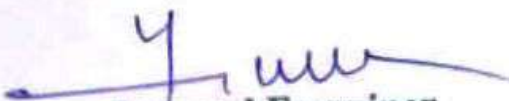
This is to certify that the project report entitled "A MACHINE LEARNING MODEL TO CATEGORIZE THE NOXIOUS COMMENTS FROM OSN" is being submitted by CH. PAVAN VAMSI (18A31A0596), S. SRI HARSHITA (18A31A0585), B. RAVI VARMA (18A31A0595), K. MEENAKSHI (18A31A0569), P. MEGHANA (18A31A0578), in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Computer Science & Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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This is to certify that the project report entitled “**DIABETIC RETINOPATHY IMAGE SYNTHESIS WITH GENERATIVE ADVERSARIAL NETWORK**” is being submitted by **V.PRASANTH** (18A31B0560), **K.SRI SURYA** (18A31B0516), **A.L.YOSHITHA** (18A31B0502), **N.S.L.PRASANNA** (18A31B0521), **S.LAKSHMI ARCHANA** (18A31B0526) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

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Assistant Professor

Head of the Department:

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External Examiner

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Kakinada - 533 002



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Learning is Supreme Deity

This is to certify that the report entitled "A SCALABLE SYSTEM FOR IDENTIFYING SIMILARITY OF DATA FROM DOCUMENTS USING AI", that is being submitted by S. DHARMA SAI(18A31B0557), M. VINOSHA(18A31B0519), K. KARTHIK NARAYANA(18A31B0541), B. SURYA MOULI(18A31B0533), B. KAVYA (18A31B0506), in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering, Pragati Engineering College is a record of bonafide work carried out by them.


Project Guide:

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Head of the Department:

Dr. M. Radhika Mani, Ph.D



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
PRAGATI ENGINEERING COLLEGE
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1-378, ADB Road, Surampalem, E. G. Dist., A.P., Pin-533437.



CERTIFICATE

This is to certify that the report entitled "AN AUTOMATIC AND HEIGH EFFICIENT CHATBOT APPLICATION USING ARTIFICIAL INTELLIGENCE AND DEEP LEARNING" that is being submitted by V.SATISH(18A31A0558),CH.NAVEEN KUMAR(18A31A0535),S.LEELA VENKATA RATHNAM(18A31A0523), T.GANGADHAR (18A31A0555), G.SOWJANYA(18A31A0508),in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering, Pragati Engineering College is a record of bonafide work carried out by them.


Internal Guide

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Head of the Department

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PRAGATI ENGINEERING COLLEGE

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CERTIFICATE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING.



Learning is Supreme Deity

This is to certify that the report entitled "A SCALABLE SYSTEM FOR IDENTIFYING SIMILARITY OF DATA FROM DOCUMENTS USING AI", that is being submitted by S. DHARMA SAI(18A31B0557), M. VINOSHA(18A31B0519), K. KARTHIK NARAYANA(18A31B0541), B. SURYA MOULI(18A31B0533), B. KAVYA (18A31B0506), in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering, Pragati Engineering College is a record of bonafide work carried out by them.


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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This is to certify that the project report entitled "IDENTIFICATION AND ANALYSING THE COMIC BOOK DATA FROM IMAGES USING MACHINE LEARNING CLASSIFIERS" is being submitted by P.S.L.SADVIKA (18A31A0522), U.N. SAHITHA (18A31A0525), A.VINAY (18A31A0531), D.V.S.SREE RAM (18A31A0538), in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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External Examiner

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Learning is Supreme Deity

This is to certify that the project report entitled “**DEEP TEXTURE FEATURES EXTRACTION USING CNN FOR IDENTIFYING FAKE IMAGES ON OSN**” is being submitted by **M. Lalitha Priyanka (18A31A0517), R. Ganga Pavani (18A31A0521), B. S. Ravi Raja (18A31A0532), N. Sriram (18A31A0548), M. Naga Priya (19A35A0502)** in partial fulfillment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.

A. Radha Krishna
Project Guide:

Dr. A. Radha Krishna,
Associate Professor,
Head of the Department,
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Dr. M. Radhika Mani
Head of the Department:

Dr. M. Radhika Mani,
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Department of CSE

[Signature]
External Examiner

PRAGATI ENGINEERING COLLEGE

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1-378, ADH Road, Surampalem, Near Peddapuram-533437

CERTIFICATE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Learning is Supreme Duty

This is to certify that the project report entitled "MULTI SUPERVISED FEATURE SELECTION TECHNIQUE (IDS) FOR NETWORK INTRUDER DETECTION" is being submitted by **L. Naga Anusha (18A31B0518), K. Bhavya Siva Sree (18A31B0513), V. Hima Susmitha (18A31B0530), P. Sai Pavan Kumar (18A31B0549), B. Surya Teja (18A31B0534)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Computer Science and Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them

A. Radha Krishna
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Dr. A. Radha Krishna B.E., M.Tech., Ph.D., M.R.A.

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M. Radhika Mam
Head of the Department

Dr. M. Radhika Mam B.E., M.Tech., Ph.D.

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JNTU K. J. Somaiya
Kakinada, A.P. India-533002

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

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(V.V.S. Road, Surampalem, Telangana, A.P. Pin-501 501)



CERTIFICATE

This is to certify that the report entitled "MACHINE LEARNING BASED USER PERSONALITY ANALYSIS AND PREDICTION FROM ONLINE SOCIAL NETWORKS", that is being submitted by **K.GANGABHAVANI (18A31B0514)**, **A. BHARGAVI SANDHYA (18A31B0503)**, **S.SAI KIRAN (18A31B0555)**, **P.S.S.L. MANASWINI (18A31B0524)**, **K.MANISH (18A31B0544)** in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering, Pragati Engineering College is a record of bonafide work carried out by them

Project Guide

Mrs.K.Harika

Assoc. Professor

Department OF CSE

K. Harika
20/5/22

Head of the Department

Dr. M.Radhika Mani,ph.d



External Examiner

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Asst. Prof. in CSE
Dept. of Computer Science & Engineering
JNTU H & S, Hyderabad

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CERTIFICATE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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This is to certify that the report entitled "A GENERIC MODEL FOR ANALYSING AND PREDICTING THE PATIENTS ADMISSIONS USING MACHINE LEARNING", that is being submitted by S. ABHIRAM(18A31B0554), S. NAVEEN ESWAR(18A31B0555), K. SNEHIKA(18A31B0512), A. SWATHI(18A31B0505), K. KARTHIK(18A31B0543) in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering, Pragati Engineering College is a record of bonafide work carried out by them.



Internal Guide

Mr. K. Srikanth

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Head of the Department

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Kadapa, A.P. 520029

PRAGATI ENGINEERING COLLEGE

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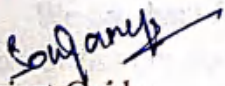
CERTIFICATE

DEPARTMENT OF INFORMATION TECHNOLOGY ENGINEERING

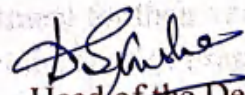


Learning is Supreme Deity

This is to certify that the project report entitled “**BLOCKCHAIN BASED ACADEMIC CERTIFICATE AUTHENTICATION**” is being submitted by **R. Ramya (18A31A1223), . S. Kasturi Lakshmi (18A31A1227), A. Satya Venkata Surya Naga Sri Sai (18A31A1240), I. Yaswanth V V Appa Rao (18A31A1243)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Information Technology Engineering of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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Head of the Department:

Dr. D. Sirisha M.Tech., Ph.D
Professor & HOD
Department of IT

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DEPARTMENT OF INFORMATION TECHNOLOGY



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This is to certify that the project report entitled "A GENERIC MODEL TO ANALYZE AND PREDICT THE LOCATION BASED AIR QUALITY FROM THE SENSING NETWORK DATA USING MACHINE LEARNING" is being submitted by L. Pavani-Lakshmi (18A31A1212), N. Gayathri Sowjanaya (18A31A1219), S. B. K. Vignesh (18A31A1235), S. V. N. S. L. Mahesh (18A31A1246) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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Professor and HoD

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PRAGATI ENGINEERING COLLEGE

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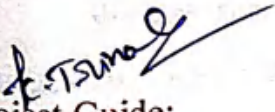
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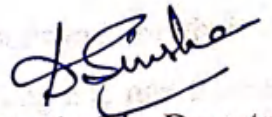
This is to certify that the project report entitled “TRADITIONAL SENTIMENT AND EMOTION IDENTIFICATION SYSTEM TO IMPROVE TEACHING AND LEARNING” is being submitted by K. Vyshnavi Devi (18A31A1208), K.Sanjusri (18A31A1209), U.Madhu Yamini (18A31A1230), G.Virinchi (18A31A1242), in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2021-2022 in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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PRAGATI ENGINEERING COLLEGE

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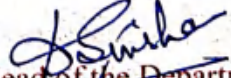


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This is to certify that the project report entitled “CLASSIFICATION OF ONLINE TOXIC COMMENTS USING MACHINE LEARNING ALGORITHMS” is being submitted by **S.Geethika** (18A31A1226), **A.Chaitraja** (18A31A1201), **V.Madhuri** (18A31A1231), **K.S.K.Chaitanya** (18A31A1244), in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


Project Guide:

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Head of the Department:

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Professor
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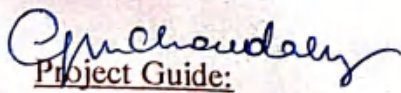
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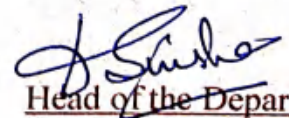


Learning is Supreme Deity

This is to certify that the project report entitled “AN EFFICIENT APPLICATION FOR PREDICTING THE MISSING PERSONS USING FACIAL RECOGNITION AND MACHINE LEARNING” is being submitted by P. Sai Mounica (18A31A1220), I. Sowmika (18A31A1206), S. Sri Sai Yashwitha (17A31A1230), A. Satya Veera Manikanta (18A31A1238) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2021-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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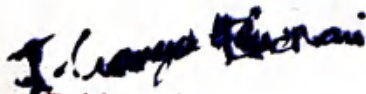
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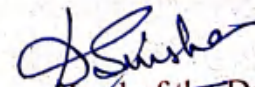


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This is to certify that the project report entitled “**CRIME PREDICTION AND ANALYSIS USING ML**” is being submitted by **Ch. Lakshmi Sowjanya (18A31A1204), M. H. N. Sai Deepika (18A31A1216), V. S. R. Santhoshi (18A31A1232), M. Srinivas Chowdary (18A31A1249)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2021-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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This is to certify that the project report entitled “**DISPLAYING EMOJI BASED FACIAL EXPRESSIONS USING DEEP LEARNING**” is being submitted by **K. Gowthami Reddy (18A31A1210), K. Meghana (18A31A1211), N. Hemanth Kumar (18A31A1250), D. Sai Bhargav (18A31A1241)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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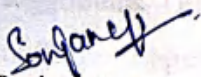
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This is to certify that the project report entitled “**DEEP LEARNING METHODS IN NETWORKING INTRUSION DETECTION USING BAT ALGORITHM**” is being submitted by **B. Lakshmi Sowjanya (18A31A1202)**, **M. Ramya Keerthi (18A31A1221)**, **S. Vijnana Vardhan (18A31A1234)**, **A. Guna Sai Charan (18A31A1239)**, in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.

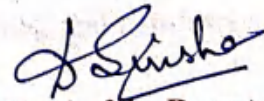


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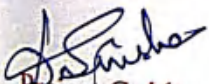
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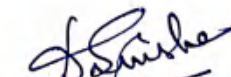
This is to certify that the project report entitled “A BI-OBJECTIVE HYPER HEURISTIC SUPPORT VECTOR MACHINES FOR BIG DATA CYBERSECURITY” is being submitted by **Mutyala Joshna Sai Keerthi (18A31A1217)**, **Swarupa Mohapatra (18A31A1228)**, **Mutyala Lakshmi Vinuthna (18A31A1218)**, **Yerusu Yuvanth Kumar Reddy (18A31A1237)** in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year **2018-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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This is to certify that the project report entitled “TEXT CLASSIFICATION FOR NEWSGROUP USING MACHINE LEARNING” is being submitted by T.Anantha LakshmiPriya (18A31A1229), M.Tejasree (18A31A1215), P.Venkata Sai (18A31A1251), R.Likhita (18A31A1222), D. Mounika (19A35A1201) in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.

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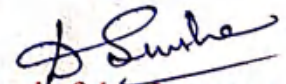


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This is to certify that the project report entitled “ **LEARNING DYNAMIC USER INTERESTS THROUGH WEB DATA**” is being submitted by **B.Mahitha Reddy (18A31A1203), K. Sathoshi Pavani (18A31A1207), Lakshmi Sudha .P (18A31A1213), T.Raja Ravindra (18A31A1236) , S.Dileep (18A31A1252)** in partial fulfilment for the award of the Degree of Bachelor of Technology, during the year 2018-2022 in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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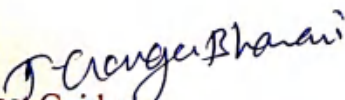
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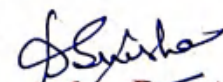


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This is to certify that the project report entitled “AN EFFICIENT HAAR CASCADE BASED APPROACH TO DETECT AND ESTIMATE THE REAL TIME VEHICLE SPEED” is being submitted by M. Sai Sri (18A31A1225), G. Shivani (18A31A1205), L. Jagannadha Raju (18A31A1247), K. Teja Hanuma (18A31A1245) in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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This is to certify that the project report entitled “**ONLINE GROCERY RECOMMENDER USING COLLABORATIVE FILTERING**” is being submitted by **D. Sri Ramya (18A31A1224), M. Anisha (18A31A1214), Y. Padma Sri (18A31A1233), M. Raghuveer (18A31A1248)** in partial fulfilment for the award of the Degree of **Bachelor of Technology**, during the year **2018-2022** in Information Technology of Pragati Engineering College, for the record of a bonafide work carried out by them.


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