

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Approved by AICTE, Accredited by NAAC)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that Project report entitle " GSM BASED CHILD PRESENCE DETECTION IN A UNMANNED CAR USING ARDIUNO" is being submitted by ADAPA RAGHU RAM (16P31A0461), JOGADA SUDHEER DEEPAK (16P31A0484), CH. SATYA SAI PAVAN KUMAR (16P31A0410), BALUSU PRUDHVI RAJ (16P31A0465) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that Project report entitle "SMART SHOE FOR WOMEN SAFETY USING ARDUINO" is being submitted by GEDDAM RAMYAVARALAXMI (16P31A04J0), NALABOLU RAMAKRISHNA (16P31A04L0), JONNADULA JAYAPRAKASH (16P31A04J2), KODAMATI SATISH REDDY (16P31A04J7) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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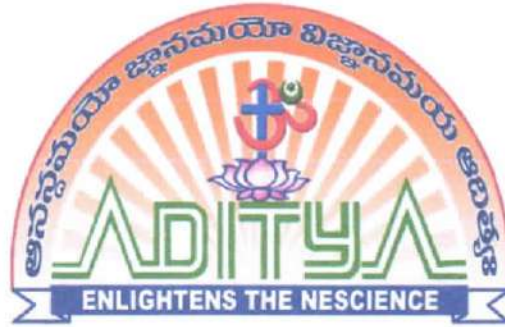
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CERTIFICATE


This is to certify that Project report entitle "SIMULATION OF SUB-MILLIMETER WAVE ARRAY ANTENNA FOR 5G COMMUNICATION" is being submitted by NUKELLA LAKSHMI LAVANYA (16P31A0467), M.S.B.S.KUMAR REDDY (16P31A0493), PADALA RAMESH (16P31A0496), VASADI MANI SAI KUMAR (16P31A04B4) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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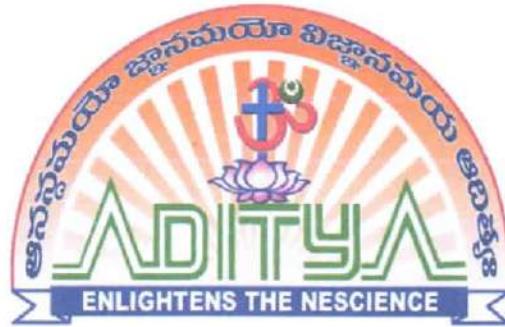
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This is to certify that Project report entitle "IOT BASED INTELLIGENT GAS LEAKAGE DETECTOR USING ARDUINO" is being submitted by BONDADA JYOTHI MOUNIKA (16P31A04J8), VUPPALA V N V S RAJ KUMAR (16P31A04N6), VARRI BHARGAVI (16P31A04N3), KODAMANCHILI SAI CHARAN (16P31A04J6) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020


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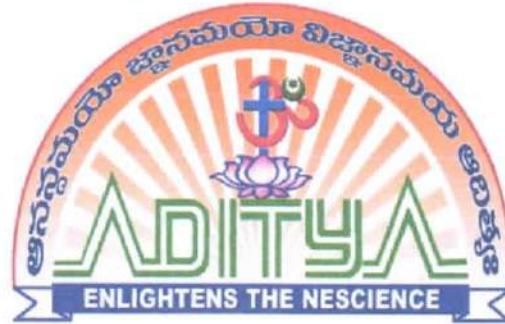
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CERTIFICATE

This is to certify that Project report entitle “ **AUTOMATE AND CONTROL OF STREET LIGHTS USING IOT**” is being submitted by SOMU MANIKANTA (16P31A04B0), CHELAMASETTI RAJESH (16P31A0470), MUTHYAM SAITHRIVENI (16P31A0406), ADARI SAI KUMAR (16P31A0462) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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CERTIFICATE

This is to certify that Project report entitle "IOT BASED LED SCROLLING DISPLAY USING NODE MCU" is being submitted by BANGARU DILIP TEJA (16P31A04I6), V. V.VENKATA SAI LAKSHMI PRIYANKA (16P31A04N9), CHINTA VIDYA SAGAR TRIVEDI (16P31A04I8), VALLEPALLI SAIRAM (16P31A04N2) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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CERTIFICATE

This is to certify that Project report entitle "BRAIN TUMOR SEGMENTATION WITH DEEP NEURAL NETWORKS" is being submitted by MEESALA SATYA DURGAPRASAD (16P31A04K5), VADREVU SIVA SESHA SAI (16P31A04N1), RAYAVARAPU ANIL KUMAR (16P31A04M3), KOSURI PRAKASH KUMAR (16P31A04K0) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020

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CERTIFICATE

This is to certify that Project report entitle "HOME AUTOMATION USING HAND GESTURES" is being submitted by S.PRADEEP KUMAR REDDY (16P31A04A6), KANIGIRI SURENDRA (16P31A0488), KAKARLA SRI SAI MOUNIKA (16P31A0486), RAGHU VAMSI AVANIGADDA (16P31A0463) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle "MOBILE CONTROLLED MULTIPURPOSE ROBOT FOR AGRICULTURE" is being submitted by CHENNAMSETTI SANDHYA (16P31A0471), BOTTA NAVYA LAKSHMI YADAV (16P31A0469), GUNNAM SUPRIYA (16P31A0480), S. VENKATARAMANA (16P31A0408) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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This is to certify that Project report entitle "ANIMATRONICS HAND FOR RESCUE AND REDUCE HUMAN EFFORT" is being submitted by BIKKINA DIVYA (16P31A0466), D.REVATHI SATYA SANTHOSHI (16P31A0478), D.MOUNIKA LAKSHMI (16P31A0407), VENNA BHARAT (16P31A04B5) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle "DESIGN AND IMPLEMENTATION OF TIME SHARING CONVOLUTION TECHNIQUE IN RISC PROCESSOR" is being submitted by YANDRA DURGA PRASANNA (16P31A04B7), G. ATCHUTA SAI GOWTHAM (16P31A0479), NATTE DIVYA INDRAMANI (16P31A0495), UPPULA SREE SURYA (16P31A04B3) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle "AUTOMATIC WASTE SEGREGATION SYSTEM FOR INDUSTRIES & MONITORING OVER IOT" is being submitted by PENUMALLU SANKITHA REDDY (16P31A04A1), CH.MANIKANTA GOWTHAM (16P31A0475), D.MOUNIKA LAKSHMI (16P31A04A9), M.S.KRISHNA PRADEEP (16P31A0494) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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CERTIFICATE

This is to certify that Project report entitle **"AUTOMATIC PETROL PUMPING SYSTEM USING RFID TECHNOLOGY"** is being submitted by NIMMAKAYALA KEERTHIKA (16P31A04L4), PITHANI KISHAN DEV (16P31A04M1), THOTAKURA VEERA RAGHAVA NAIDU (16P31A04M8), KASA PRAVEEN KUMAR (16P31A04I5) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle” **BRAIN TUMOR DETECTION FROM MRI IMAGE USING MATLAB**”is being submitted by MIRIYALA SRIJA (16P31A04B9), M.V.SATYA SRI VAISHNAVI (16P31A0413), K.A.NAGA SARASWATHI (16P31A0487), KESARAPU PRAKASH (16P31A0490), PANDIRI SATYANARAYANA (16P31A0497) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle "AUTOMATE A WATER TANK USING IOT (WATER FLOW AND VALVE SWITCHING)" is being submitted by K SRAVANI (16P31A04J3), TORATI SIRI SATYA REVATHI (16P31A04M9), CHINTAM RENUKA DEVI (16P31A04I9), PALEPU RAHIM SAI (16P31A04L5) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020


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CERTIFICATE

This is to certify that Project report entitle "AIR QUALITY REPORTING SYSTEM" is being submitted by PINAKA SRAVANI (16P31A04M0), MALYALA NAGA VENKATA SAI NIHARIKA (16P31A04K1), BADAM RAMYA (16P31A04I4), AVALA PRAVALLIKA (16P31A04I3) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle **"AUTOMATIC IRRIGATION SYSTEM FOR AGRICULTURE BASED ON DRY AND WET CONDITIONS"** is being submitted by KOTHA SATYADEVI (16P31A0491), POTHABATHULA SATISH (16P31A04A4), GIDIYALA SRAVANI (16P31A04A0), PEDDEVAPU MADHAVA SAI (16P31A0498) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle " RETINA BLOOD VESSEL SEGMENTATION AND EXUDATES DETECTION USING NEURAL NETWORK" is being submitted by MEDAPATI VAMSI REDDY (16P31A04K3), MEENAVALLI MADHUSRI (16P31A04K4), BONTHA SIRI CHANDANA (16P31A04I7), PATAMSETTI AKHILESH (16P31A04L7) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020

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CERTIFICATE

This is to certify that Project report entitle “**SMART HELMET AND ACCIDENT LOCATION REPORTING SYSTEM**” is being submitted by KAMANA SANDHYA (16P31A04J4), BODDU VIJAYA SRIDEVI (16P31A04O0), NADIMPALLI NAVEEN KUMAR (16P31A04K8), TADI KAMAL (16P31A04M7) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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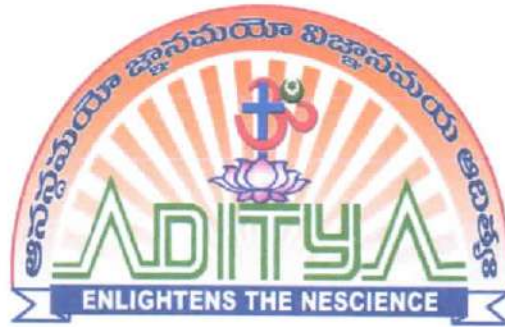
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This is to certify that Project report entitle “A SECURE IOT BASED MODERN HEALTHCARE SYSTEM USING BODY SENSOR NETWORK” is being submitted by VYTLA KRISHNA PRIYA (16P31A04N7), KORTHU VENKATA SINDHU (16P31A04J9), ADDALA JYOTHI NAGA LAKSHMI DEVI (16P31A04I1), GUNDAPUNEEDI JYOSHNA VASU (16P31A04J1) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle "EFFICIENT DESIGN OF APPROXIMATE ADDERS AND ITS APPLICATIONS" is being submitted by VATTIKUTI SRI RAM MOHAN CHOWDARY (16P31A04N4), NAMANA SITA MAHALAKSHMI (16P31A04L1), PATAMSETTI VENKATARAYUDU (16P31A04L8), PASUMARTHI SAI SIVA PRASANTH (16P31A04L6) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020



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CERTIFICATE

This is to certify that Project report entitled "Performance of massive MIMO-OFDM for 5G technology" is being submitted by CHITRA SRILAKSHMISURYACHANDRAKALA(16P31A0410), BANDARU DURGA SAI KUMAR (17P35A0401), PALAKURTHI LAVANYA (16P31A0437), PATALA BHANU TEJA(16P31A0439), in the partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING during the academic period of 2019-2020

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This is to certify that Project report entitled "Smart women safety gadget" is being submitted by KASTURI SAI PADMAJA(16P31A0420), VEERLA GIRI LAVANYA(16P31A0457), GUNAPALLI SOWJANYA(16P31A0417), NAGAM DATTA VINEETH(16P31A0432), in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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CERTIFICATE

This is to certify that Project report entitled "Fully operated biometric and automated locking system using IOT" is being submitted by VAKKALANKA BALA PRAHARSHITA(16P31A0454), SAMSANI SURYA TEJA(16P31A0446), VAKKALANKA BALA PRAHARSHITA (16P31A0454), ANASURI MANJUSHA(16P31A0405), REGADAMILLI SAI SAMEER (17P35A0405) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020

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CERTIFICATE

This is to certify that Project report entitled "Development of facial expression recognition system" is being submitted by MALYALA V SATYA VARALAKSHMI SRIHARSHITHA(16P31A0427), SATHI SUBRAHMANYAM(16P31A0403), PADAMATA MANASA RUPA (16P31A0436), MAJETY DATTAKUMAR(16P31A0426), in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020


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CERTIFICATE

This is to certify that Project report entitled "Water quality monitoring and notification using IOT" is being submitted by CHITTALA PAVAN KUMAR (16P31A041), POTHULA ARUNA (16P31A042), RAVADA JAGADEESWARI (16P31A044), VASAMSETTI SAI KARTHIK (16P31A0456), in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020



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CERTIFICATE

This is to certify that Project report entitled "surveillance robotic car" is being submitted by NALAM DIVYA (16P31A0433), VELUGUBANTLA VIVEK (16P31A0458), BALUMURI SATISH (16P31A0406), GUTTULA RAGA SURENDRA (16P31A0418), in the partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING during the academic period of 2019-2020


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CERTIFICATE

This is to certify that Project report entitled “Wireless power transmission with load balancing technique” is being submitted by KODIGUDDU VENKATA MANIKANTA (16P31A0421), GORRELA KALYAN (16P31A0415), JUVVA BHANU SAI REDDY (16P31A0419), KONDAPALLI SATYA SAHITI PRIYA (16P31A0422), in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020


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CERTIFICATE

This is to certify that Project report entitled "Design of Blended Astute Drone Drifter with VR Technology" is being submitted by SUVVADA RAJA(16P31A0452), ANASURI LAKSHMI NAVEENA(16P31A0404), KOTAMSETTY NAVYA TRIVENI (16P31A0424), MANDAVILLI VASAVI SRI LEKHA(16P31A0428), in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.



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CERTIFICATE

This is to certify that Project report entitled "Design & performance comparison of meta material based antenna for 5G mobiles" is being submitted by KARRI LAKSHMI KANCHANA (16P31A0443), MULLAPUDI SAI RAM BHARGAV CHOWDARY (16P31A0430), NADIMPALLI AAHLADA (16P31A0431), PANCHADARLA PYDIRAJU (16P31A0438), in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020


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CERTIFICATE

This is to certify that Project report entitled "AUTOMATIC OF STREET LIGHTS USING IOT AND DASHBOARD" is being submitted by VUNDAVILLI RAMYA (16P31A0459), ADAPA SREE LAKSHMI VIDYA PRASANNA (16P31A0402), ADDALA VEERA VENKATA SAI AKHIL (16P31A0403), CHIRIKI REVANTH VENKATA SAI KISHORE (16P31A0440), in the partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING during the academic period of 2019-2020.


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CERTIFICATE

This is to certify that Project report entitled "RFID BASED RATION CARD" is being submitted by PEKETI GANICHANDRA(16P31A0453), GUDISA SWAMYNAIDU (17P35A0404), BONI SOWMYA(16P31A0408), GADIKOYYALA DURGA RAGHA SWATHI (16P31A0414) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitled "A MULTI-CLASS SVM BASED CBIR SYSTEM USING GENETIC ALGORITHM" is being submitted by SIDDHA MOUNIKA JYOTHSNA(16P31A0449),SATHI TRIVIJNA (16P31A0447),MAGAPU KRISHNA PRASANTH (16P31A0425),DWARAMPUDI VAMSI SRINIVASA REDDY (16P31A0413)in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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CERTIFICATE

This is to certify that Project report entitled "DETECTION OF DISEASES IN PLANTS BY CAPTURIG IMAGES USING DRONE" is being submitted by MONDEM LAKSHMI VIJAYA SRI (16P31A0429), SANKABATHULA SRIDHAR(17P35A0402), OBULA SAM VINAY(16P31A0435), SINGANAMILLI BHASKARA POTHURAJU VARMA(16P31A0450) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020


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CERTIFICATE

This is to certify that Project report entitled "RECONSTRUCTION OF SPARE SIGNALS IN DCT DOMAIN APPLIED TO AUDIO SIGNALS" is being submitted by PEMMANABOIDI SIREESHA(16P31A0441), BHALLAM NAGA SIREESHA(16P31A0407), GUDALA HEMA DHANVANTHARI(16P31A0416), SURI VIVEK SAI MADHAV(16P31A0451), YAGANTI UTTEJ PRAVEEN (16P31A0460), in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020

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CERTIFICATE

This is to certify that Project report entitle "WALLACE TREE MULTIPLIER USING QCA" is being submitted by SAI NIHARIKA KONALA (16P31A04M4), NAKKINA V V N LAKSHMIKANTHAM (16P31A04K9), ARIGELA SAI SANTOSH KUMAR (16P31A04I2), KAMIREDDY VENUGOPAL PERAYYA NAIDU (16P31A04J5) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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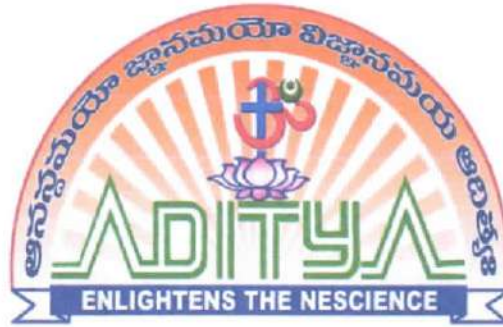
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CERTIFICATE

This is to certify that Project report entitle “EFFICIENT DESIGN OF APPROXIMATE MULTIPLIER FOR IMAGE PROCESSING APPLICATIONS” is being submitted by SAMIKSHA PANDEY (16P31A04N8), NARNI SREE RATNA NIHARIKA (16P31A04L2), VELAMALA NEELIMA (16P31A04M6), VEDURI SAI JAYA MADHURI (16P31A04N5) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2021.


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This is to certify that Project report entitle "EFFICIENT DESIGN OF APPROXIMATE COMPRESSOR AND IMAGE PROCESSING APPLICATIONS" is being submitted by JATLA LAKSHMI PRASANNA (16P31A0483), SATYA ANNAPURNA KARR (16P31A04A7), CHILAKAMARRI RAMYASREE (16P31A0474), VASADI MANI SAI KUMAR (16P31A0499) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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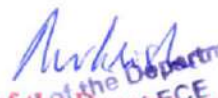
This is to certify that Project report entitle " **LUNG TUMOR IN CT SCANS**" is being submitted by M.VEERANNA CHOWDARY (16P31A0492), VOOTA VIJAYA KUMARI (16P31A0409), DANDA YADIDIAH (16P31A0476), SATYAVARAPU RAKESH (16P31A04A8) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.


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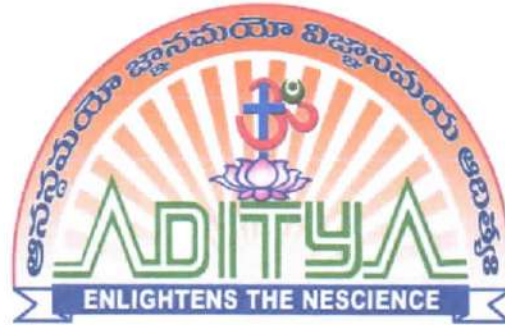
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This is to certify that Project report entitle "**AUTOMATIC SPEED CONTROL OF VEHICLE**" is being submitted by PENUMALLU UMA VENKATA NANDINI (16P31A04L9), NIMMAGADDA KATYAYANI (16P31A04L3), MUDDADA HIMARAJASEKHAR (16P31A04K7), MANAM DURGA GIREESH (16P31A04K2) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020


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This is to certify that Project report entitle "ADVANCED ACCIDENT AVOIDING ON WINTER FOG CONTROL SYSTEM USING RASPBERRY PI" is being submitted by KAKARA RAMA DEVI (16P31A0485), BOSUKONDA PAUL SAMSON (16P31A0468), THORAM SAI TEJA (16P31A04B2), GURUGUBELLI SANDEEP (16P31A0481) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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CERTIFICATE

This is to certify that Project report entitle "AUTOMATE A WATER TANK USING IOT WATER FLOW AND VALVE SWITCHING" is being submitted by CHEVA RAMYA (16P31A0472), RAKESH KUMAR SHARMA (16P31A0489), ROUTHU SAINATH (16P31A04A5), PITCHUKA YESU PRASANTH (16P31A04A3) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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This is to certify that Project report entitle "16 BIT COMPARATOR USING QUANTUM DOT CELLULAR AUTOMATA" is being submitted by DASAM SANDHYA SRAVANTH (16P31A0477), VULIVIREDDY HARI CHANDANA (16P31A04B6), YELISETTI LALITHA RANI (16P31A04B8), PILLI BALA SUBRAHMANYAM (16P31A04A2) in the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** during the academic period of 2019-2020.

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