

# ANUBOSE INSTITUTE OF TECHNOLOGY

(Affiliation by JNTUH & Approved by AICTE)

PALONCHA BHADRADRI KOTHAGUDEM (DIST) TS-507115

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



### CERTIFICATE

This is to certify that this Main Project report entitled "MONITORING AND CONTROLLING OF SUBSTATION USING IOT IN DISTRIBUTION POWER GRID" is a bonafide work done by P BHOOMIKA (20PP5A0236), A BRAMANI (20PP5A0202), G SWATHI (20PP5A0220), B MOUNIKA (20PP5A0203), K SRIDIVYA (20PP5A0227) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

  
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



### CERTIFICATE

This is to certify that this Main Project report entitled "HOME AUTOMATION USING ANDROID APPLICATION" is a bonafide work done by M HARSHITHA (19PP1A0219), A SAI MANASA (19PP1A0202), G NIKITHA (19PP1A0212), M JYOTHI (19PP1A0216), M KALYANI (19PP1A0213) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

  
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



### CERTIFICATE

This is to certify that this Main Project report entitled "SOLAR POWERED BI-CYCLE" is a bonafide work done by V POOJITHA (20PP5A0244), P PRIYANKA (20PP5A0234), L SRI HARINI (20PP5A0228), K NAGASRI (20PP5A0226), G MOUNYA (20PP5A0215) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



### CERTIFICATE

This is to certify that this Main Project report entitled "HAND CONTROLLED WHEELCHAIR FOR PHYSICALLY CHALLENGED PEOPLE" is a bonafide work done by M PRASHANTH (20PP5A0262), S VINAY (20PP5A0278), MD ZAMEER (20PP5A0265), P SUMANTH (20PP5A0270), B DUSHYANTH (20PP5A0249) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

  
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This is to certify that this Main Project report entitled "HAND CONTROLLED WHEELCHAIR FOR PHYSICALLY CHALLENGED PEOPLE" is a bonafide work done by SK USMAN (19PP1A0247), B KRISHNA CHAITANYA (19PP1A0226), L RAMAKRISHNA (19PP1A0237), N KISHORE (19PP1A0241), R NIVEDH (19PP1A0248) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

  
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This is to certify that this Main Project report entitled "SOLAR POWERED BI-CYCLE" is a bonafide work done by M VENNELA (19PP1A0214), CH INDUPRIYA (19PP1A0208), M SUSMITHA (19PP1A0217), M SANDHYA (19PP1A0218), V KAVYA (19PP1A0224) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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### CERTIFICATE

This is to certify that this Main Project report entitled "SOLAR BASED WIRELESS AGRICULTURE ROBOT" is a bonafide work done by S KAVYA (20PP5A0238), P NIKITHA (20PP5A0233), G SINDHU (20PP5A0216), K SNEHA (20PP5A0223), B HIMABINDU (20PP5A0207) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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### CERTIFICATE

This is to certify that this Main Project report entitled "LOW COST IOT ENABLED WEATHER STATION" is a bonafide work done by SK IMTHIAZ (20PP5A0275), B RAJAMAHENDRA GOUD (20PP5A0252), MD SAYYED PASHA (20PP5A0264), N SANDEEP KUMAR (20PP5A0267), T MOHAN VAMSI (20PP5A0280) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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### CERTIFICATE

This is to certify that this Main Project report entitled "AUTOMATIC ON/OFF STREET LIGHT WITH DAY & NIGHT VISION & FAULT IDENTIFICATION" is a bonafide work done by M SAGAR (19PP1A0240), B NAGESH (19PP1A0227), K MADHKUMAR (19PP1A0236), SK EZAZ (19PP1A0246), B RAJESH (18PP5A0250) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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This is to certify that this Main Project report entitled "IOT BASED HEART RATE AND ALCOHOL DETECTION SYSTEM" is a bonafide work done by MD ARSHAD (20PP5A0263), S SURYA TEJA (20PP5A0277), B HEMANTH KUMAR (20PP5A0250), T RAMESH (20PP5A0281), K NAGENDAR (20PP5A0257) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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This is to certify that this Main Project report entitled "HIGH EFFICIENCY INTELLIGENCE OF SMART STREET LIGHTING USING ANDROID MOBILE" is a bonafide work done by K YAGNA ALEKYA (20PP5A0225), N CHANDHANA (20PP5A0232), SK SAMREEN BEGUM (20PP5A0240), M NAGA SHIVANI (20PP5A0229), S DALEELA (20PP5A0241) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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This is to certify that this Main Project report entitled "GSM BASED ENERGY METER WITH LOAD CONTROL" is a bonafide work done by B MAHESH (19PP1A0227), SD NASSER HUSSAIN (19PP1A0245), M NAGENDAR (19PP1A0239), CH SRI CHARAN (19PP1A0232) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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## CERTIFICATE

This is to certify that this Main Project report entitled “**SMART HOME AUTOMATION WITH SMART SECURITY**” is a bonafide work done by M SUSHMITHA (20PP5A0231), CH KAVYA (20PP5A0211), B GAYATHRI (20PP5A0205), CH SANDYA RANI (20PP5A0212) in partial fulfillment of the requirements for the award of the Degree of “**BACHELOR OF TECHNOLOGY**” in department of “**ELECTRICAL AND ELECTRONICS ENGINEERING**” from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

  
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## CERTIFICATE

This is to certify that this Main Project report entitled “**SOLAR POWERED BASED ON WATER SPRINKLER FOR DRY GRASS**” is a bonafide work done by MD SHABREEN (19PP1A0215), B MANJU (19PP1A0204), CH KOMALI (19PP1A0210), P DIVYA (19PP1A0221), B SADHANA (19PP1A0206) in partial fulfillment of the requirements for the award of the Degree of “**BACHELOR OF TECHNOLOGY**” in department of “**ELECTRICAL AND ELECTRONICS ENGINEERING**” from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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This is to certify that this Main Project report entitled "HAND GESTURE BASED HOME DEVICES CONTROLLING" is a bonafide work done by D SANTHOSH (19PP1A0234), S THARUN (19PP1A0244), A GOWTHAM (19PP1A0225), G MADHU (19PP1A0235) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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## CERTIFICATE

This is to certify that this Main Project report entitled "SOLAR TRACKING SYSTEM FOR OPTIMAL POWER GENERATION" is a bonafide work done by CH GAYATHRI (20PP5A0213), R USHASRI (20PP5A0237), B NIKITHA (20PP5A0208), V TEENA (20PP5A0243) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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### CERTIFICATE

This is to certify that this Main Project report entitled "ANDROID BASED WIRELESS DATA ACQUISITION FOR UNDERGROUND CABLE FAULT DETECTION" is a bonafide work done by K PAVAN KUMAR (20PP5A0258), B SAI BHASKAR (20PP5A0248), S KIRAN (20PP5A0279), J RAKESH (20PP5A0256) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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This is to certify that this Main Project report entitled "POWER THEFT IDENTIFICATION USING IOT" is a bonafide work done by D AKHIL (20PP5A0253), P SHIVAKUMAR (20PP5A0271), K SANDEEP (20PP5A0260), SK ARSHAD (20PP5A0274), S SAIREVANTH (20PP5A0273) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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This is to certify that this Main Project report entitled "AGRICULTURE MONITORING WITH WILD ANIMALS PROTECTION FOR CROPS" is a bonafide work done by A RAMYA (20PP5A0201), K PRASHANTHI (20PP5A0224), E SPANDANA (20PP5A0214), B DIVYA (20PP5A0209) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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This is to certify that this Main Project report entitled "WOMEN SECURITY AND ALERT SYSTEM USING GSM & GPS" is a bonafide work done by R SOWJANYA (19PP1A0222), CH NIKHITHA (19PP1A0209), A SAIPRASANNA (19PP1A0201), B RAMYA (19PP1A0207), G CHANDANA (18PP1A0217) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

  
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This is to certify that this Main Project report entitled "SMART IRRIGATION SYSTEM USING GSM" is a bonafide work done by SD ANISA FATHIMA (20PP5A0239), G LALITHA SAGARI (20PP5A0217), G SRAVANI (20PP5A0218), P SAI JAYASREE (20PP5A0235), K LIDIYA (20PP5A0222) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

  
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This is to certify that this Main Project report entitled "DRIVERLESS VEHICLE USING SENSORS" is a bonafide work done by CH MEGHANA (20PP5A0210), MD SUMERA AFROZE (20PP5A0230), B SRUJANA (20PP5A0206), G SIRISHA (20PP5A0219) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.

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This is to certify that this Main Project report entitled **"BATTERY OPERATED E-VEHICLE USING DUAL SOURCES"** is a bonafide work done by **B SANTHOSH KUMAR (19PP1A0231)**, **B VENKATESH (19PP1A0229)**, **B PAVAN KUMAR (19PP1A0230)**, **K PRAVEEN KUMAR (18PP1A0264)** in partial fulfillment of the requirements for the award of the Degree of **"BACHELOR OF TECHNOLOGY"** in department of **"ELECTRICAL AND ELECTRONICS ENGINEERING"** from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year **2022-2023**.

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This is to certify that this Main Project report entitled "SMART GARBAGE COLLECTION MONITORING SYSTEM TO SUPPORT SWATCHA BHARATH" is a bonafide work done by A SANDEEP (20PP5A0245), B SAISHYAM (20PP5A0247), B OMKAR (20PP5A0246), J TEJA (20PP5A0255), J SUPRITH REDDY (20PP5A0254) in partial fulfillment of the requirements for the award of the Degree of "BACHELOR OF TECHNOLOGY" in department of "ELECTRICAL AND ELECTRONICS ENGINEERING" from Jawaharlal Nehru Technological University Hyderabad (JNTUH), during the Academic year 2022-2023.


  
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