

**GIET ENGINEERING COLLEGE**

NH-16, Chaitanya Knowledge city, Rajahmundry -533296

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "IOT BASED DROWSY DETECTION DEVICE FOR DRIVER'S PROTECTION" is being submitted for partial fulfilment of **BACHELOR OF TECHNOLOGY** in **Electronics and Communication Engineering** to **GIET ENGINEERING COLLEGE**, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafide work done by G. RAJU bearing Roll No 18T91A0425, G. RAJESH bearing Roll No:18T91A0425, CH. BALAJI bearing Roll No:18T91A0414, D. SAI KRISHNA bearing Roll No:18T91A0420, under our guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

These results embodied in the project report have not been submitted to any other university or institute for the award of degree.

  
Dr. B. JAGADEESH, M. Tech, Ph. D

Project Guide

Department of ECE

  
Dr. B. JAGADEESH, M. Tech, Ph. D

Head of the Department

Department of ECE

  
External Examiner

  
Principal

GIET ENGINEERING COLLEGE  
NH-16, Chaitanya Knowledge City,  
RAJAHMUNDRY-533 296.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



## CERTIFICATE

This is to certify that the project work entitled " IOT BASED AUTOMATIC VEHICLE ACCIDENT DETECTION AND RESCUE SYSTEM" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the J.N.T.U, Kakinada, is Bonafied work done by G.M.L. SAHITHI bearing Roll No:18T91A0423 ,E.V.S.ROHITH bearing Roll No: 18T91A0421, K.V. SHIVANI bearing Roll No: 18T91A0447 ,B .RAJESH KUMAR bearing Roll No: 18T91A0408, under our guidance during the academic year 2021- 2022 and it has been found suitable for acceptance according to the requirement of University.

These results embodied in the project report have not been submitted to any other university or institute for the award of degree.

Mr. T.SASIBHUSHANA RAO, M.Tech  
Project Guide,  
Department of ECE

Dr. B. JAGADEESH, M.Tech, Ph. D  
Head of the Department,  
Department of ECE

External Examiner

Principal  
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RAJAHMUNDRY-533 296.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING




## CERTIFICATE


This is to certify that the project work entitled "SECURING DATA THROUGH STEGANOGRAPHY AND SECRET SHARING SCHEMES" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by CH. LAVANYA, bearing Roll.No:18T91A0412, K. HARITHA DEVI, bearing Roll No:18T91A0445, G.SHYAMALA, bearing Roll No:18T91A0424, L.JOSHI BHASKAR, bearing Roll No:18T91A0448 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree.

  
G. SRUJANA, M.Tech  
Internal Guide,  
Department of ECE

  
Dr. B. JAGADEESH, M.Tech, Ph.D  
Head of the Department,  
Department of ECE

  
External Examiner

  
Principal  
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING




## CERTIFICATE

This is to certify that the project work entitled "SCROLLING LED DISPLAY BOARD USING BLUETOOTH" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by A. GANGA BHAVANI, bearing Roll. No: 18T91A0404, G.V.L. DEEPTHI, bearing Roll No:18MU1A0401, B. NAVEEN KRISHNA, bearing Roll No:18T91A0406, under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of university.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree.

  
Mr. P.DARWIN, M.Tech  
Internal Guide,  
Department of ECE

  
Dr. B. JAGADEESH, Ph.D  
Head of the Department,  
Department of ECE

  
External Examiner  
  
Principal  
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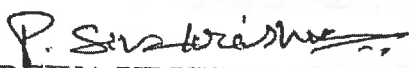
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "IOT BASED AIR AND NOISE POLLUTION MONITORING SYSTEM" is being submitted for partial fulfilment of **BACHELOR OF TECHNOLOGY** in **Electronics and Communication Engineering** to **GIET ENGINEERING COLLEGE**, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by J.YASASWINI bearing Roll No 18T91A0433, G.SRINIJA bearing Roll No:18T91A0431, K.MAHALSHMI bearing Roll No:18T91A0439, G.SAI MOULI bearing Roll No:18T91A0430, under our guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

These results embodied in the project report have not been submitted to any other university or institute for the award of degree.

  
P.SIVA KRISHNA, M.Tech, M.B.A

Project Guide

Department of ECE

  
Dr. B. JAGADEESH, M. Tech, Ph. D

Head of the Department

Department of ECE

  
External Examiner

  
Principal  
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NH-16, Chaitanya Knowledge City, Rajahmundry-533294.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



## CERTIFICATE

This is to certify that the project work entitled "DIGITAL NOTICE BOARD USING LCD DISPLAY" is being submitted for partial fulfillment of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafide work done by NAME: K.AKHILA, bearing RollNo:18T91A0436, G.ANUSHA, bearing RollNo:18T91A0422, CH.VEERABHADRACHARYULU, bearing RollNo:18T91A0413, K.RAMBABU, bearing Roll No:-18T91A0442 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree.

*V.V. Subbaraya Sastri*

Mr. V.V. SUBBARAYA SASTRI, M.Tech

Internal Guide,

Department of ECE

*B. Jagadeesh*  
Dr. B. JAGADEESH, Ph.D

Head of the Department,

Department of ECE

*[Signature]*  
External Examiner

*[Signature]*  
Principal

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING




## CERTIFICATE


This is to certify that the project work entitled " IOT BASED INTELLIGENT TRAFFIC LIGHT CONTROL SYSTEM FOR EMERGENCY VEHICLE CLEARANCE " is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the J.N.T.U, Kakinada, is Bonafied work done by B. Hemanth Bearing Roll No: 18T91A0407, G. Gopi Bearing Roll No: 18T91A0426, Abhishek Kumar singh Bearing Roll No: 18T91A0401, B. Siva Sai Varma Bearing Roll No: 18T91A0410, under our guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

These results embodied in the project report have not been submitted to any other university or institute for the award of degree.

  
Mrs. V. LAVANYA, M.Tech  
Project Guide,  
Department of ECE

  
Dr. B. JAGADEESH, M.Tech, Ph. D  
Head of the Department,  
Department of ECE

  
External Examiner

  
Principal  
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING



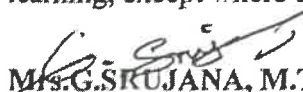
CERTIFICATE


This is to certify that the project titled "DIGITAL NOTICE BOARD USING MATRIX LED CONTROLLED VIA MOBILE APP" is being submitted by for the partial fulfilment of the requirements for social relevant project of the degree of Bachelor of Technology in ELECTRONICS & COMMUNICATION ENGINEERING at GIET ENGINEERING COLLEGE, RAJAMAHENDRAVARAM, is a bonafide carried by

P. MAHESH	-	18T91A0472
N. K. ANNAPURNA	-	18T91A0464
N. DEEPTHI	-	18T91A0463
M. SRIRAM	-	18T91A0454
M.S.M. RAJA	-	18T91A0457


During the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of the university.

We here by declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment.

  
Mrs. G. SRUJANA, M.Tech  
Internal Guide,  
Department of ECE

  
Dr. B. JAGADEESH, M.Tech, Ph.D  
Head of the Department,  
Department of ECE

  
External Examiner

  
Principal  
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING



## CERTIFICATE

This is to certify that the project work entitled "DRINKING WATER MANAGEMENT USING IOT" is being submitted for partial fulfillment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, RAJAHMUNDRY, A.P. affiliated to the JNTUK, KAKINADA, is Bonafide work done by D. VISWA SAI TEJA bearing RollNo:18T91A0418, J. BHAVANA bearing Roll No:18T91A0434, K. JAYA SAI PRAKSH bearing Roll No:18T91A0441 AND G. JAI CHAND bearing Roll No:18T91A0432 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

This result embodied in the project report has not been submitted to any other university or institute for the award of degree.

*S.N.V. Vijaya Lakshmi*  
S.N.V. VIJAYA LAKSHMI, M.Tech  
Internal Guide,  
Department of ECE

*B. Jagadeesh*  
Dr. B. JAGADEESH, Ph.D  
Head of the Department,  
Department of ECE

EXTERNAL EXAMINER

*Principal*  
Principal  
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RAJAHMUNDRY-533 296.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

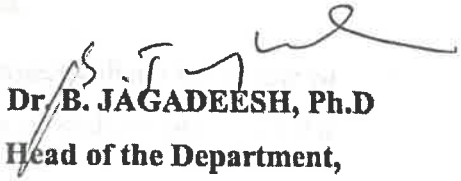


## CERTIFICATE


This is to certify that the project work entitled "WATER MANAGEMENT USING SENSOR" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by L.RENUKA BHAGYA LAKSHMI, bearing Roll No : 18T91A0449, G.RATNA GOWREESHA, bearing Roll No:18T91A0429, G.ANNAMANI, bearing Roll No:18T91A0428, K.SOMA SEKHAR, bearing Roll No:18T91A0435 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of university.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree.

  
Mr.A.G.V. KARTHIK RAJU, M.Tech  
Internal Guide ,  
Department of ECE

  
Dr. B. JAGADEESH, Ph.D  
Head of the Department,  
Department of ECE

  
External Examiner

  
Principal  
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