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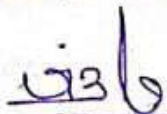
BONAFIDE CERTIFICATE

This is to certify that the project work entitled "**A DEEP LEARNING ARCHITECTURE FOR BRAIN TUMOR IMAGE SEGMENTATION IN MRI**" is a bonafide record done by

M. UMAR FARROQ (192U5A0502), T. ESWAR (182U1A05A5), S. SURESH BABU (182U1A0597) in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B.Tech degree in Computer Science & Engineering.** This work has been carried out under my supervision.

K. CHIRANJEEVI
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Submitted for the Viva-Voce Examination held on 09/07/2022

P. Nagendra Kumar
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(2018-2022)

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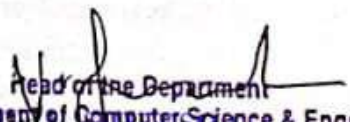NAAC'A' Grade Accredited Institution, An ISO 9001:2015 certified Institution
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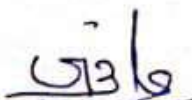
BONAFIDECERTIFICATE

This is to certify that the project work entitled " **AN EFFICIENT METHODOLOGY FOR CLICK FRAUD DETECTION FOR MOBILE APPLICATIONS**" is a bonafide record done by P. KAVYA (182U1A0572), P. TEJASWINI (182U1A0569), P. UMA BHUVANESWARI (182U1A0566), P. DIVYA SRI (182U1A0581) in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in **Computer Science & Engineering**. This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "AN EVALUATION OF MACHINE LEARNING AND DEEP LEARNING ALGORITHMS FOR PREDICTING STOCK MARKET TRENDS USING CONTINUOUS AND BINARY DATA" is a bonafide record done by O.SRUJAN (182U1A0561), P.HARSHAVARDHAN (182U1A0574), P.VIVEK VISHNUVARDHAN (182U1A0577), A.VENKATESH (192U5A0501), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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3rd Mile, Bombay Highway, Gangavaram (V), Kovur(M), SPSR Nellore (Dt), Andhra Pradesh, India- 524137

BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"ANALYSIS OF COLLEGE STUDENTS CAMPUS DATA USING DATA MINING"** is a bonafide record done by G.GURU MANASA (182U1A0525), K.AKHILA (182U1A0540), K.RAJASRI (182U1A0546),K.NEEHARIKA (182U1A0547), in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B.Tech degree in Computer Science & Engineering.** This work has been carried out under my supervision.

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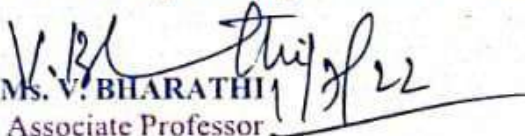*(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Anantapuramu)*
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3rd Mile, Bombay Highway, Gangavaram (V), Kovur(M), SPSR Nellore (Dt), Andhra Pradesh, India- 524137

BONAFIDE CERTIFICATE

This is to certify that the project work entitled "CLASSIFICATION OF RICE LEAF DISEASES USING VGG WITH TRANSFER LEARNING" is a bonafide record done by P.VINEESHA (182U1A0568), V. MANASA (182U1A05B2), P. RAMYA SREE (182U1A0582), PVSN KAVYA (182U1A0567) and P. HAVANYA (182U1A0578), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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(2018-2022)

BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"A COMPARITIVE STUDY OF CLASSIFICATION ALGORITHMS IN THE CONTEXT OF SENTIMENT ANALYSIS OF TOURIST PLACE REVIEWS"** is a bonafide record done by V. PRASAD REDDY(182U1A0576), R.V.R.AVINASH(182U1A0585), R. PRAVEEN KUMAR(182U1A0584), Y.SUBBA REDDY(182U1A05B9), in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B. Tech degree in Computer Science & Engineering.** This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "DETECTING FACIAL EMOTIONS USING CONVOLUTIONAL NEURAL NETWORKS" is a bonafide record done by D.VENU (182U1A0521), G.ABHISHEK(182U1A0524), M.SARATHCHANDRA(182U1A0550) in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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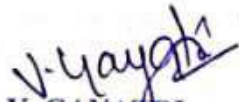(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Anantapuramu)

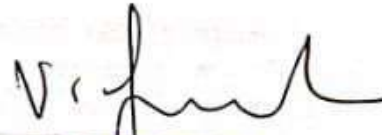NAAC 'A' Grade Accredited Institution, An ISO 9001:2015 certified Institution

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "EFFICIENCY OF HEART DISEASE PREDICTION USING GENETIC ALGORITHM" is a bonafide record done by B. SRI KAVYA (182U1A0510) , L. REKHA (182U1A0549), K. CHANDANA (182U1A0545), B. PRANAVI (182U1A0509), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B. Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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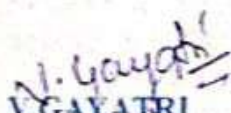# GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY

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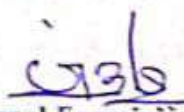

BONAFIDE CERTIFICATE

This is to certify that the project work entitled "Evaluation of User Trust in Social Media" is a bonafide record done by P.PRIYADARSHINI(182U1A0580),

T.V.MOUNISHA(182U1A05A9)T.LIKHITHA(182U1A05A1),T.DHANUSHA(182U1A05A6) in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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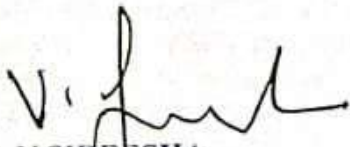*(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Anantapuramu)*
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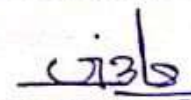

BONAFIDE CERTIFICATE

This is to certify that the project work entitled "**Formulation of Driving Decision Strategy for Autonomous Vehicles using Machine Learning**" is a bonafide record done by SHAIK MUDAM YASEEN (182U1A0593), SHAIK AHMAD BASHA (182U1A0589), SHAIK SAIF ALI (182U1A0594) in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "IDENTIFICATION OF BIRD SPECIES USING DEEP LEARNING" is a bonafide record done by D.ABISHAKE REDDY(182U1A0520), G.PREMKRISHNA(182U1A0523), G.SATHISH(182U1A0528), M.SREENIVASULU(182U1A0553) in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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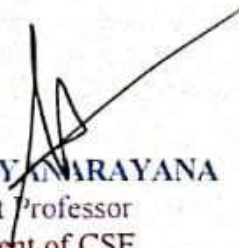*(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Anantapuramu)*
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BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"IDENTIFING FAKE IMAGES USING CNN"** is a bonafide record done by B.SNEHA SAI (182U1A0506),N.SRILAKSHMI (182U1A0560), K.SOWMYA (182U1A0548), J.NIKHILA (182U1A0530), in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B. Tech degree in Computer Science & Engineering.** This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "IDENTIFYING MENTAL DISORDERS IN SOCIAL MEDIA THROUGH EMOTIONAL PATTERNS" is a bonafide record done by M. YAMUNA (182U1A0559), K. PRAVALLIKA (182U1A0535), K. NAGAVINITHA REDDY (182U1A0543), M. POOJITHA (182U1A0557), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "ILLEGAL FISHING DETECTION USING MACHINE LEARNING" is a bonafide record done by P. SAKETH (182U1A0570), Y. ASWITH KUMAR (182U1A05C0), V. VAMSI (182U1A05B4), T. CHETHAN CHOWDARY (182U1A05A0), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B. Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "LOCKDOWN IN INDIA DURING COVID-19: A SENTIMENT ANALYSIS" is a bonafide record done by M. MOUNIKA (182U1A0551), J. C. RIYA REDDY (182U1A0534), G. PRANA VARSHITHA (182U1A0529). A. SUJATHA (182U1A0503) in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfilment for the award of B. Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.
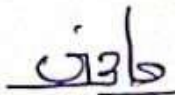
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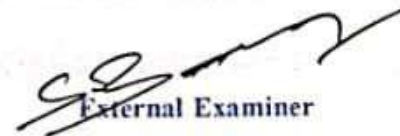
BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"LOW LIGHT IMAGE ENHANCEMENT"** is a bonafide record done by ABBU VENKATA ASWINI(182U1A0501), BURLA SUSMITHA (182U1A0511), CHENTHATI MEGHANA(182U1A0515), JANGITI YASASWINI(182U1A0532), in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B.Tech degree in Computer Science & Engineering.** This work has been carried out under my supervision.

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Submitted for the Viva-Voce Examination held on 08-07-2022

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GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY
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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "**MINING FRAUDSTERS AND FRAUDULENT STRATEGIES IN TELECOMMUNICATIONS** " is a bonafide record done by T. LAKSHMI SRAVYA (182U1A05A3) , V.RAGA PRIYA(182U1A05B1) ,V.TEJASWINI (182U1A05B3),V. RAMYA SMILY (182U1A05B5), in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B.Tech degree** in **Computer Science & Engineering**. This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"MODELING THE DIFFUSION OF INFLUENCE OVER SIGNED SOCIAL NETWORKS"** is a bonafide record done by Y.V.N. SPANDANA (182U1A05B8), R. VINEELA (182U1A0587), V. KANCHANA (182U1A05B6), P. RAJESWARI (182U1A0564), in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B. Tech degree in Computer Science & Engineering.** This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"MULTI AUTHORITY ATTRIBUTE BASED KEYWORD SEARCH OVER ENCRYPTED CLOUD DATA"** is a bonafide record done by SK.ARIFA (182U1A0592), P.DIVYA KEERTHIKA (182U1A0579), T.NIKHILA SREE (182U1A05A7), R.ANJALI KARTHIKA (182U1A0583),V.SRI MOUNIKA(182U1A05B7), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

N-Divyasruthi 01.7.22

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "MUSIC RECOMMENDATION SYSTEM BASED ON EFFECTIVENESS OF HASHTAGS" is a bonafide record done by G.NIKHILA (182U1A0527), J.BHAVANA (182U1A0531), K.PREETHI(182U1A0539), M.PAVANI(182U1A0556),in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B.Tech degree in Computer Science & Engineering.** This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"PERFORMANCE ANALYSIS OF MACHINE LEARNING ALGORITHMS IN RAINFALL PREDICTION"** is a bonafide record done by CH.BHAVANA(182U1A0514), K.GIRINANDINI(182U1A0538), D.RICHITHA REDDY(182U1A0522), K.VEDA SIVANI(182U1A0537), K.SUDEEPIKA(182U1A0541) in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapurin the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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BONAFIDECERTIFICATE

This is to certify that the project work entitled "PREVENTING FRAUD INFORMATION SPREADING IN MOBILE SOCIAL NETWORKS USING INFORMATIONDIFFUSIONMODEL"isabonafiderecorddonebyK.MOUNIKA(182U 1A0536),J.SIVANI(182U1A0533), G.SUSHMA(182U1A0526),G.C.SRI.NIKITHA(183G1 A0522)inthedepartmentofComputerScience&Engineering,GeethanjaliInstituteofScienceandT echnology,NelloreandissubmittedtoJawaharlalNehruTechnologicalUniversity,Anantapurinthe partialfulfillmentfortheawardofB.TechdegreeinComputerScience&Engineering.Thisworkhasbe encarriedoutundermysupervision.
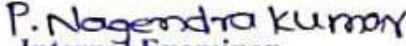
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BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"PRIVACY PRESERVING CRIMINAL SUSPECTS SENSING IN SOCIAL NETWORK"** is a bonafide record done by SK. AMEENA (182U1A0590), P. RUCHITHA (182U1A0575), P. SRI VAISHNAVI (182U1A0573), T. SILPA (182U1A05A2), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B. Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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<u>BONAFIDE CERTIFICATE</u>

This is to certify that the project work entitled "PRODUCT RECOMMENDATION SYSTEM BASED ON META–PATH DISCOVERY" is a bonafide record done by P. TEJO PRASANTHI (182U1A0571), T. NISHITHA (182U1A0598), T. HARI KIRANMAI (182U1A0599), P. LAKSHMI PRIYA (182U1A0562) in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B. Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.
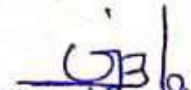
P. Nagendra Kumar
Dr. P. NAGENDRA KUMAR
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Dr. V. SREESHA
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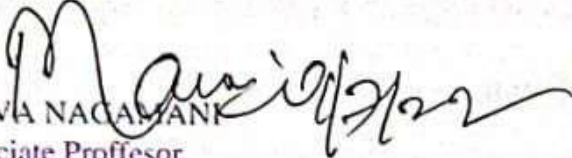## A Unit of USHODAYA EDUCATIONAL SOCIETY

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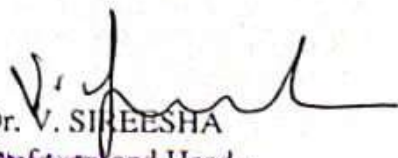An ISO 9001:2015 certified Institution: Recognized under Sec. 2(f) & 12(B) of UGC Act, 1956
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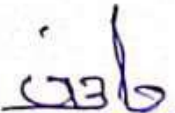
BONAFIDE CERTIFICATE

This is to certify that the project work entitled "PROTECTING USER DATA IN PROFILE MATCHING SOCIAL NETWORKS" is a bonafide record done by P.SRAVANI (182U1A0565), SK.ARFIYA TABASSUM (182U1A0591), T.V.MOUNIKA (182U1A05A8), SK.SUHANA (182U1A0595), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "SOCIAL NETWORK SPAM DETECTION USING IMPROVED INCREMENTAL FUZZY-KERNAL-REGULARIZED EXTREME LEARNING MACHINE (I2FELM)" is a bonafide record done by A.MEGHANA (182U1A0504), M.SRAVANI (182U1A0558), D.SRAVANI (182U1A0519), M.RAMALAKSHMI (182U1A0552), in the department of Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in Computer Science & Engineering. This work has been carried out under my supervision.

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"SPAM DETECTION FOR YOUTUBE COMMENTS"** is a bonafide record done by CH. BHARATH KUMAR (182U1A0513), D. CHANDRASEKHAR (182U1A0518), A.M.V. SAI SRI TEJA (182U1A0502), C. BALAJI KUMAR (182U1A0516) in the department of **Computer Science & Engineering, Geethanjali Institute of Science and Technology, Nellore** and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of **B.Tech degree in Computer Science & Engineering.** This work has been carried out under my supervision.

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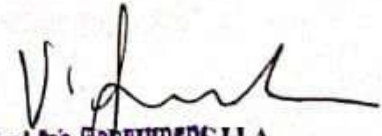Recognized under Sec. 2(f) & 12(B) of UGC Act, 1956

3rd Mile, Bombay Highway, Gangavaram (V), Kovur (M), SPSR Nellore (Dt), Andhra Pradesh, India- 524137

BONAFIDE CERTIFICATE

This is to certify that the project work entitled " USING BISECTING K-MEANS CLUSTERING TO FIND GROUP SHILLING ATTACKS IN ONLINE RECOMMENDATION SYSTEMS " is a bonafide record done by B.LAVANYA (182U1A0507), CH.SAI PREETHI (182U1A0517), K.GREESHMA (182U1A0542), K.SRUTHI (182U1A0544), in the department of **Computer Science & Engineering**, Geethanjali Institute of Science and Technology, Nellore and is submitted to Jawaharlal Nehru Technological University, Anantapur in the partial fulfillment for the award of B.Tech degree in **Computer Science & Engineering**. This work has been carried out under my supervision.

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