

CERTIFICATE

This is to certify that the “**3CS1401-Project Part-II**” report entitled “**Uncore IP BIOS Development for Intel's next Generation Processor**” submitted by **Bhati Priyanka Khetaram (18MCEC02)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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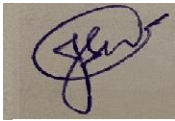


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This is to certify that the “**3CS1401-Project Part-II**” report entitled “**Image based object detection using deep learning**” submitted by **Vejani Malvi Anilbhai (18MCEC18)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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This is to certify that the “**3CS1301-Project Part-I**” report entitled “**Classification of SAR images**” submitted by **Abhinav Somvanshi (18MCEC01)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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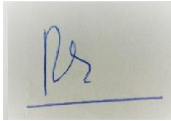


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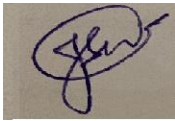


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CERTIFICATE

This is to certify that the “**3CS1301-Project Part-I**” report entitled “**Image based object detection using deep learning**” submitted by **Vejani Malvi Anilbhai (18MCEC18)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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This is to certify that the “**3CS1207-Minor Project**” report entitled “**Sentiment Analysis using computational intelligence technique**” submitted by **Avani Jain (19MCEC01)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Forest fire detection using WSN**” submitted by **Bhavsar Samprat Swapneshbhai (19MCEC02)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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This is to certify that the “**3CS1207-Minor Project**” report entitled “**Anamoly detection in Electric Vehicles**” submitted by **Dixit Palak Dharmendrakumar (19MCEC03)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “3CS1207-Minor Project” report entitled “**Diagnosis of Alzheimer's Disease using Deep Learning Approach**” submitted by **Happy Mansukhbhai Ramani (19MCEC04)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Hyperspectral Image Classification using diversity-based Active Learning**” submitted by **Hardikkumar Harshadbhai Dave (19MCEC05)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Text Summary Generation Using Deep Learning & Natural Language Processing**” submitted by **Heli Patel (19MCEC06)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Active learning on streaming data**” submitted by **Kharvar Milind Piyushkumar (19MCEC07)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Monitoring pollution level in a smart city**” submitted by **Kshitij Deshmukh (19MCEC08)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Event detection from videos**” submitted by **Modi Parth Yogeshkumar (19MCEC09)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**data modelling on big data**” submitted by **Patel Karan Hasmukhbhai (19MCEC10)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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This is to certify that the “**3CS1207-Minor Project**” report entitled “**Blockchain-based Energy Optimization**” submitted by **Popat Aarti Pareshbhai (19MCEC11)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Blockchain-based Scientific Publishing**” submitted by **Reebadiya Dakshita Ghanashyambhai (19MCEC12)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Data Ingestion in Big Data Environment**” submitted by **Shreya Rajeshbhai Vamja (19MCEC13)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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This is to certify that the “3CS1207-Minor Project” report entitled “WAN Based Health Care Monitoring System For Elderly People” submitted by **Singh Shubhangi Anil (19MCEC14)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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This is to certify that the “**3CS1207-Minor Project**” report entitled “**Conversational AI**” submitted by **Sonecha Ruchita Manharlal (19MCEC15)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “3CS1207-Minor Project” report entitled “**Index for healthcare Big Data**” submitted by **Vandriwala Vahishta Cyrus (19MCEC16)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



Prof Jigna Patel

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This is to certify that the “**3CS1207-Minor Project**” report entitled “**University Chatbot for Library Support**” submitted by **Mayani Smit (19MCEC17)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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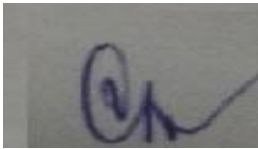
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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Data Ingestion tool for raster data**” submitted by **Mehta Purvi Himanshu (19MCEC18)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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CERTIFICATE

This is to certify that the “**3CS1207-Minor Project**” report entitled “**Architecting an openstack cloud for Big data application**” submitted by **Punjani Shivam Ashvinbhai (19MCEC19)** towards the partial fulfillment of the requirements for the award of degree in M.Tech. in Computer Science and Engineering of Nirma University is the record of work carried out under our supervision and guidance. The work submitted has in our opinion reached a level required for being accepted for examination. The results embodied in this project work to the best of our knowledge have not been submitted to any other University or Institution for award of any degree or diploma.



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