

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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affiliated to Jawaharlal Nehru Technological University Kakinada,
Kakinada) Surampalem-533437, Peddapuram, E.G.Dt., AP

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the thesis/dissertation entitled "**Structural Analysis and Model optimization of Disc Brake of Different Materials**" is being submitted by Mr. **MUSINI THARUN KUMAR** bearing Regd.No.13P31D0402 in CAD/CAM to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under our guidance and supervision.

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CERTIFICATE

This is to certify that the thesis/dissertation entitled “Structural and Modal Analysis of Multi Stage Centrifugal Pump Rotar Assembly using Different Materials” is being submitted by Mr. Venkata Rama Rao Koduri bearing Regd.No.13P31D0405 in CAD/CAM to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under our guidance and supervision.

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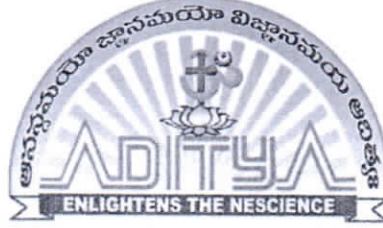
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This is to certify that the thesis/dissertation entitled "A Methodolgy for Future Extraction and Recognition for Cad/Cam Integration Using Step File" is being submitted by Mr. P SATEESH bearing Regd No.14P31D0401 in CAD/CAM to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under our guidance and supervision.

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