Department of Physics:: Tezpur University

P. K. Karmakar Lecturer Department of Physics Tezpur University



P.O.: Napaam, Tezpur Sonitpur-784 028 Assam, India

CERTIFICATE

This is to certify that the project report entitled "A NEW APPROACH FOR CONSERVATION LAWS IN A DERIVED d-KdV EQUATION" being submitted by Animesh Barman to Department of Physics, Tezpur University, in fulfillment for the award of the degree of Master of Science is a record of original bonafide work carried out by him. He has worked under my supervision and has fulfilled the requirements for the submission of the report. The results contained in this report have not been submitted in part or full to any other university or institute for award of any degree or diploma.

He was very hard working throughout the project and I wish him success in life.

Date: 27/05/2008

P.K. Karmakar Lecturer Deptt. of Physics Tezpur University

DECLARATION

I hereby declare that the project

LAWS IN A DERIVED d-KdV EQUATION" being submitted to the Department of Physics, Tezpur University in fulfillment for the award of the degree of Master of Science has previously not formed the basis for the award of any degree, diploma, associateship, fellowship or any other similar title or recognition.

Date: 27th May 2008

Animesh Barman PHY-06011 Deptt. of Physics Tezpur University

<u>Acknowledgements</u>

It is a matter of immense pleasure and fortune for me to express deep sense of gratitude to my supervisor Mr. Pralay kumar karmakar for his dynamic guidance, constant encouragement, meticulous supervision and moral support that I have received all through my project work. His valuable suggestions and lively discussions were inspiring enough to put my best efforts into my work. Needless to say, I will be highly obliged to him for all the time.

I extend sincere appreciation to my all those friends and research scholars of the Physics department who ever helpes and encouraged me in my project work. I would also like to thank all the faculty members of our department for their help.

I am indebted to my family Ma, Babu,, My dear little sister Anima for their continuous encouragement, moral support and blessings.

Animesh Barman.