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Declaration

I, Ms. Sunita Guleria, do hereby declare that my thesis entitled "School Climate Scientific Reasoning Procrastination Tendency and Parent Autonomy Support of Senior Secondary School Students in Relation to their Academic Achievement in Physics" submitted to the Department of Education, School of Humanities and Social sciences, Tezpur University, in partial fulfilment of the requirements for the degree of Doctor of Philosophy, represents my original research work and has not been submitted anywhere else for any other degree. This research has been carried out by me under the supervision of Dr. Hitesh Sharma, Department of Education, Tezpur University, Assam, India. The materials obtained from other sources that were incorporated into this thesis have been duly acknowledged.

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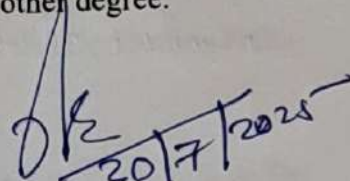
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Certificate from the Supervisor

This is to certify that the thesis entitled "School Climate Scientific Reasoning Procrastination Tendency and Parent Autonomy Support of Senior Secondary School Students in Relation to their Academic Achievement in Physics" submitted to the Department of Education, School of Humanities and Social sciences, Tezpur university, in partial fulfilment of the requirements for the degree of Doctor of Philosophy, has been carried out by Ms. Sunita Guleria under my supervision and guidance.

All help received by her from various sources have been duly acknowledged. No part of this thesis has been submitted anywhere else for the award of any other degree.

Date: 30/7/2025
Place: Tezpur


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List of Abbreviations

Abbreviation	Meaning
ANCOVA	Analysis of Covariance
ANOVA	Analysis of Variance
NEP	National Education Policy
MHRD	Ministry of Human Resource Development
NCERT	National Council for Educational Research and Training
NCF	National Curriculum Framework
MHRD	Ministry of Human Resource Development
ZPD	Zone of Proximal Development
CBSE	Central Board of Secondary Education
CGPA	Cumulative Grade Points Average
DI	Discrimination Indices
DV	Difficulty Values
HPBSE	Himachal Pradesh Board of School Education
STEM	Science, Technology, Engineering and Mathematics
GSSS	Government Senior Secondary School
PSCS	Perceived School Climate Scale
LTCSR	Lawson's classroom test of scientific reasoning
P-PASS	Perceived Parental Autonomy Support Scale
SPSS	Statistical Package for Social Sciences