



PHYSICAL RESEARCH LABORATORY
NAVRANGPURA, AHMEDABAD 380 009

COURSE GRADES

This is to certify that **Mr. Upendra Kumar Singh Kushwaha**, has successfully completed the pre-Ph.D. course work after joining the laboratory during 2010-11. Grades obtained by him are given below.

Course Title Grade obtained


Semester I

Applied Electrodynamics	:	A
Quantum Mechanics	:	B+
Mathematical Methods & Numerical Analysis	:	B
Planetary Sciences & Geosciences	:	A+
Cosmology and Particle Physics	:	B
Project - I	:	A
Project - II	:	A

Semester II

Data Analysis and Image Processing	:	A+
Advanced MHD	:	A

Date : August 27, 2012
Place: Ahmedabad


Shyam Lal
Chairman, Academic Committee

<u>Grade</u>	<u>Equivalent Score</u>
A+	$\geq 80\%$
A	70 - 79%
A-	60 - 69%
B+	55 - 59%
B	50 - 54%
B-	$< 50\%$

Minimum passing marks : 50% (B grade)
Minimum course requirements: 06 courses and 02 projects