

Indian Institute of Technology Madras

hereby confers the degree of
Doctor of Philosophy
of the Institute
on

AMBIKA NAUTIYAL

for successfully completing the prescribed programme of study and
presenting the thesis entitled

**GENERATION OF TUNABLE, SHORT DURATION PULSES FOR
APPLICATIONS IN TIME-DOMAIN SPECTROSCOPY**



PH03D022

*Given this day the Thirtyfirst of July, 2009
under the seal of the Institute.*



[Signature]

[Signature]

*R. Chidambaram
Chairman, Board of Governors*