

**Some Spatially Homogeneous and Anisotropic  
Cosmological Models in General Relativity  
and Certain Alternative Theories  
of Gravitation**



**THESIS SUBMITTED FOR THE DEGREE OF**

**Doctor of Philosophy**

**in**

**Applied Mathematics**

**By**

***Priyanka***

**Co- Supervisor**

***Prof. L. P. Singh***

**Supervisor**

***Prof. Shri Ram***

**DEPARTMENT OF MATHEMATICAL SCIENCES  
INDIAN INSTITUTE OF TECHNOLOGY  
(BANARAS HINDU UNIVERSITY)  
VARANASI-221005  
INDIA**

**Enroll. No. 334096**

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**Roll No. 11612EN009**