

A  
Thesis entitled  
**Synthesis, Characterization and Applications  
of Cholesterol/Heterocyclic based  
Mesogenic Compounds**

*Submitted to*

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

*For the Degree of*

**Doctor of Philosophy**

*In*

**Applied Chemistry**

By:

**Bairwa Sagar Kailashchand**

**(Reg. No.: FOTE/1043; 05/01/2021)**

Under the Supervision of

**Prof. R. C. Tandel**



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**Department of Applied Chemistry  
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**JUNE-2024**

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