

**SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF N- AND S-  
DONOR LIGAND AND METAL COMPOUNDS**

**DISSERTATION**

submitted in partial fulfilment of  
the degree of M.Sc. (Inorganic Chemistry)

By

**Mr. SHANKAR RAMNATH PARWAR**

**210P49062**

Under the Supervision of

**PROF. SUNDER N. DHURI**

School of Chemical Sciences

Inorganic chemistry




GOA UNIVERSITY

April-2023

Examined by:

  
8/5/23

  
08/5/2023

  
08/05/2023

  
08/05/23



Seal of the school

  
08/05/2023

## DECLARATION

I hereby declare that the data presented in this Dissertation / Internship report entitled, **“SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF N- AND S- DONOR LIGAND AND METAL COMPOUND”** is based on the results of investigations carried out by me in the Inorganic Chemistry at the School of Chemical Sciences, Goa University under the Mentorship of Prof. Sunder N Dhuri and the same has not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities will be not be responsible for the correctness of observations / experimental or other findings given the dissertation. I hereby authorize the University authorities to upload this dissertation on the dissertation repository or anywhere else as the UGC regulations demand and make it available to any one as needed.



Shankar Ramnath Parwar  
21P049062  
Inorganic Chemistry  
School of Chemical Sciences

Date: 15/9/2023  
Place: Goa University

### COMPLETION CERTIFICATE

This is to certify that the dissertation report "**Synthesis And Spectroscopic Characterization Of N- And S- Donor Ligand And Metal Compounds**" is a bonafide work carried out by **Mr. Shankar Ramnath Parwar** under my mentorship in partial fulfilment of the requirements for the award of the degree of **Masters of Science in Chemistry** in the Discipline Inorganic Chemistry at the School of Chemical Science, Goa University.



Prof. Sunder N Dhuri  
Vice Dean Academic  
School Of Chemical Sciences



School Stamp

  
06/05/2023

Prof. V. M. S. Verenkar  
School Of Chemical Sciences

Date:

Place: Goa University

**Dean**

**School of Chemical Sciences  
GOA UNIVERSITY**