

| Course Type | Course Code | Name of Course | L | T | P | Credit |
|-------------|-------------|-------------------|---|---|---|--------|
| DP | NCEC548 | TERM PROJECT – II | 0 | 0 | 3 | 1.5 |

Course Objective

The course aims at developing the art of research and technical writing including thesis writing, paper writing, and patent writing.

Learning Outcomes

Upon successful completion of this course, the students should be able to:

- Acquire knowledge of bibliometric tools and literature review methodologies.
- Identify research gaps and propose solutions using acquired knowledge.
- Formulate research problems and analyze them using relevant practices.
- Present research outcomes and submit structured technical documentation effectively.

| Unit No. | Topics to be Covered | Sessional | Learning Outcome |
|----------|---|-----------|--|
| 1 | Literature Review and Bibliographic studies | [03] | Identify, evaluate, and synthesize existing research to understand knowledge gaps. |
| 2 | Research proposal based on research gap | [01] | Formulate structured proposal targeting unresolved problems from literature review. |
| 3 | Problem definition and Analysis | [06] | Define research problem clearly and analyse using theoretical and practical frameworks. |
| 4 | Report writing: Thesis writing, patent writing, standards writing | [02] | Develop formal reports following academic, patent, and standard writing formats. |
| 5 | Presentation and Report submission | [02] | Deliver research findings effectively through structured presentation and documentation. |

References:

1. <https://patents.google.com/>.
2. <https://iprsearch.ipindia.gov.in/publicsearch>
3. <https://www.astm.org/>; <https://www.bis.gov.in/>;