

# Research Proposal Template

## RESEARCH PROPOSAL ON;

- Computational and data driven science and engineering
- Data analytics and materials informatics
- Enhance efficiency in power generation

(Candidate's name)

### 1. PROJECT DESCRIPTION

Please discuss the following:

- What is/are the problem(s) you are interested in working on?
- Why is/are the problem(s) you are interested in working on important? In other words, please state what you are interested in achieving after you solve the problem(s) you are interested in working addressing.
- What work has been done by other researchers in the scientific area of your proposed research? Please ensure that you report other work with well-documented references (see section #6 below).
- How your work will advance our understanding of the problem(s) beyond what others have found?

### 2. RELEVANCE TO I<sup>2</sup>CNER'S RESEARCH AREAS

- Describe the purpose your project serves within the relevant thematic research area(s) of I<sup>2</sup>CNER. In other words, please explain how the project contributes toward advancing I<sup>2</sup>CNER's objectives as listed on the Institute website (e.g., [Director's Welcome](#)).

### 3. TECHNICAL ACCOMPLISHMENTS & PROGRESS

- Describe prior technical accomplishments in the *proposed area(s)* of research and their significance. Please include relevant data to support your accomplishments.
- Relate your prior accomplishments to the proposed project's objectives.

### 4. INTERDISCIPLINARITY

- Please outline the interdisciplinary nature of your approach and plans for interactions with researchers across the boundaries of the Institute's thematic research clusters.

### 5. FUTURE PLANS

- Please state the additional research you would like to carry out to further advance your future project in I<sup>2</sup>CNER if you had additional resources. Please do not mention purchase of equipment, but rather focus on the science you are interested in pursuing.

### 6. REFERENCES

- Please report all your references as reported in the attached article.

No longer than 5 pages in total.