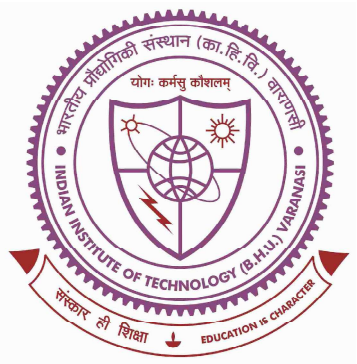
Pre-processing in Indian language IR



Thesis submitted in partial fulfilment
for the award of degree

Doctor of Philosophy

by

Siba Sankar Sahu

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Indian Institute of Technology
(Banaras Hindu University)
Varanasi

Roll No: 17071012

Year of Submission: 2024

DECLARATION

I, **Siba Sankar Sahu**, certify that the work embodied in this thesis is my own bona fide work and carried out by me under the supervision of **Dr. Sukomal Pal** from July-2017 to April-2023, at the Department of Computer Science and Engineering, Indian Institute of Technology (BHU), Varanasi. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma. I declare that I have faithfully acknowledged and given credits to the research workers wherever their works have been cited in my work in this thesis. I further declare that I have not willfully copied any other's work, paragraphs, text, data, results, etc., reported in journals, books, magazines, reports dissertations, theses, etc., or available at websites and have not included them in this thesis and have not cited as my own work.

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S Pal

Dr. Sukomal Pal
पर्यवेक्षक/Supervisor
IIT(BHU), Varanasi
Department of Computer Sc. & Engg
भारतीय प्रौद्योगिकी संस्थान
Indian Institute of Technology
(काशी हिन्दू विश्वविद्यालय)
(Banaras Hindu University)
वाराणसी/Varanasi-221005

Signature of Head of Department/Coordinator of School

आचार्य व विभागाध्यक्ष
Professor & Head
संगणक विज्ञान एवं अभियांत्रिकी विभाग
Department of Computer Sc. & Engg
भारतीय प्रौद्योगिकी संस्थान
Indian Institute of Technology
(बनारस हिन्दू यूनिवर्सिटी)
(Banaras Hindu University)
Varanasi-221005

To

The

Supreme Power God

and

My beloved family

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It is certified that the work contained in the thesis titled **Pre-Processing in Indian Language IR** by **Siba Sankar Sahu** has been carried out under my supervision and that this work has not been submitted elsewhere for a degree. It is further certified that the student has fulfilled all the requirements of Comprehensive Examination, Candidacy and SOTA for the award of Ph.D. Degree.

SPal 7/6/24

Supervisor

Dr. Sukomal Pal

Associate Professor

Department of Computer Science and Engineering

Indian Institute of Technology (BHU) Varanasi

Varanasi, INDIA, 221005

CERTIFICATE

This is to certify that the revised thesis titled **Pre-Processing in Indian Language IR** is being submitted by **Siba Sankar Sahu** in partial fulfilment for the award of Ph.D. in Department of Computer Science and Engineering, IIT (BHU), Varanasi is a record of bonafide work carried out by him.

Date of Submission: 16/03/2024

SPal 7/6/24

Supervisor

Dr. Sukomal Pal

Associate Professor

Department of Computer Science and Engineering

Indian Institute of Technology (BHU) Varanasi

Varanasi, INDIA, 221005

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Date: _____ Siba Sankar Sahu

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