



## The Compuverse

## NEWSLETTER

Volume-I, Issue-XII,

### Committee and Editorial Board

**President:** Dr. Nandan Gupta

**Vice-President:** Prof. (Dr.) Subrata Kumar Dey

**Convener:** Mr. Sourav Saha

**Joint Convener:** Mr. Subrata Nandi

**Secretary:** Prof. (Dr.) Somsubhra Gupta

**Advisory Board:**

Mr. Saurabh Adhikari

Mr. Tanmoy Mazumder

Prof. Amitabha Gupta

**Editor-in-Chief:** Dr. Ranjan Kumar Mondal

**Editorial Board:**

Dr. Sanjay Nag

Dr. Chayan Pal

Dr. Subrata Nandi

Dr. Payel Bose

Sangita Bose

Sumana Chakraborty

Lipika Mukherjee Pal

**Published:** 20.12.2024

### Department of Computer Science & Engineering

Computer Science serves as the foundation for various technological advancements that the world sees today. The field has grown by leaps and bounds. The future innovations that it brings along never seem to slow down. Yet another beauty of computer science is that it finds a place in many interdisciplinary fields as well. With these, there also comes a necessity to keep up to the global demand of finding highly skilled engineers and scientists. Swami Vivekananda University, one of the top-ranked universities in India drives on the purpose of providing quality education and improving competence among students thereby living up to its motto, 'Progress Through Knowledge'.

#### *Mission & Vision*

The primary goal of a Department of Computer Science and Engineering is to advance knowledge and education in the fields of computer science and engineering. These departments are typically found to serve various objectives, including:

**Education:** The department aims to provide high-quality education to students at various levels, including undergraduate, graduate (master's and Ph.D.), and sometimes postgraduate diploma programs. The goal is to equip students with a solid foundation in computer science and engineering principles, theories, and practical skills.

**Research:** One of the key goals is to advance the state of knowledge in computer science and engineering through research. Faculty members and students engage in cutting-edge research projects that lead to innovations, discoveries, and contributions to the field's body of knowledge.

**Innovation:** Departments often foster an environment that encourages innovation and entrepreneurship. They aim to incubate new ideas, technologies, and startups that have the potential to address real-world problems and contribute to economic and societal progress.

**Technology Transfer:** In collaboration with industry partners, the department may work on technology transfer initiatives, facilitating the application of research findings in practical settings. This can include licensing intellectual property or collaborating on industry-sponsored projects.

**Professional Development:** The department often focuses on the professional development of its students by providing opportunities for internships, co-op programs, and industry connections. The goal is to prepare students for successful careers in computer science and engineering-related fields.

## EDITOR'S MESSAGE



The Department has state-of-the-art infrastructure and computing equipment supported by high-speed Ethernet and wireless networks. Our faculty members aim to deliver top-class education by blending their rich research experience with classroom teaching.

The students are motivated to participate in Curriculum, Co-Curricular, and Extra-Curricular Activities. They are encouraged to attend National, State, and international Workshops and Conferences to enhance their knowledge. Students are also encouraged to attend Value-Added Courses and do mini-projects on new technologies to bridge the gaps between the curriculum, industry needs, and the software development process.

We are overwhelmed by the response that we received from students, faculties and staff in making this newsletter possible. In this newsletter, we have reported Departmental Book Publications and a Faculty member's patent report. We would also like to thank the Dean of Science, Program Coordinators, and other faculty members for providing information and valuable suggestions. I hope you will enjoy reading this issue!!!

## What is in Next Issue?

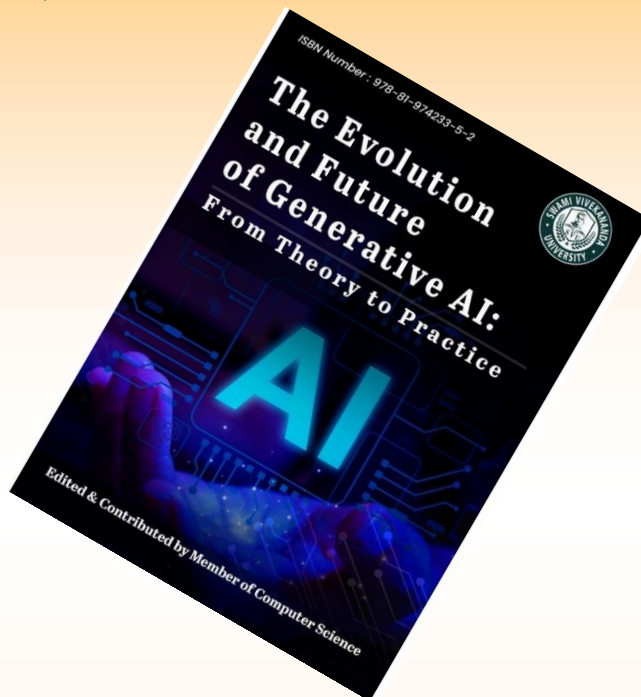
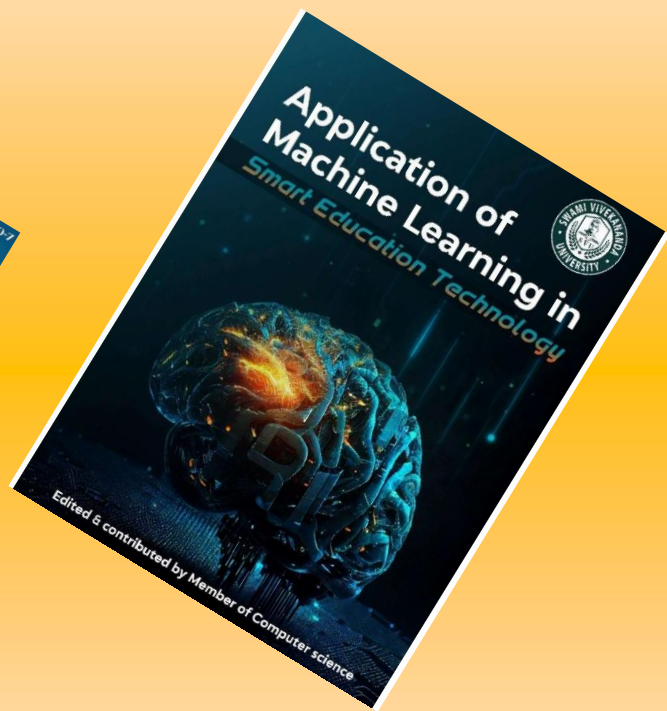
Departmental faculty members' publications, such as journals, Conference proceedings, Book chapters, etc., will be available starting in the next issue.



2024 Publications

## Departmental Books in 2024

Departmental book publishing involves academic departments within universities producing and disseminating research works, such as research monographs, book chapter. The department proudly published three books in a Year.



# Patent Publication

**Prof. Somsubhra Gupta**, Professor and Dean of Science, Department of Computer Science and Engineering, School of Computer Science, SVU, filed up a patent along with his associates which has been published at The Patent Office Journal.

This invention has been made to process and execute different blocks of code together. The compiler is intelligent enough to identify each block of codes that which programming language is used in those blocks and execute them in a single button press and will give a desired output. We can save time to work with fellow programmers by working everyone's comfortable and strong zone. And we don't have to hire a programmer to work together with same coding language knowledge.

No of Pages: 14 No. of Claims: 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/05/2024

(21) Application No.202431039789 A

(43) Publication Date : 19/07/2024

(54) Title of the invention : Hybrid Compiler

(51) International classification :G06F0008410000, G06F0011360000, G06Q0010100000, G06F0008340000, G06F0008300000  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)Swami Vivekananda University**

Address of Applicant :Telinipara, Barasat - Barrackpore Rd, West Bengal-700121, India Barrackpore -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

**1)Souvik Gayan**

Address of Applicant :Swami Vivekananda University Telinipara, Barasat - Barrackpore Rd, West Bengal-700121, India Barrackpore -----

**2)Diprati Das**

Address of Applicant :Swami Vivekananda University Telinipara, Barasat - Barrackpore Rd, West Bengal-700121, India Barrackpore -----

**3)Somsubhra Gupta**

Address of Applicant :Swami Vivekananda University Telinipara, Barasat - Barrackpore Rd, West Bengal-700121, India Barrackpore -----

**4)Sangita Bose**

Address of Applicant :Swami Vivekananda University Telinipara, Barasat - Barrackpore Rd, West Bengal-700121, India Barrackpore -----

**5)Sumana Chakraborty**

Address of Applicant :Swami Vivekananda University Telinipara, Barasat - Barrackpore Rd, West Bengal-700121, India Barrackpore -----

**6)Subrata Nandi**

Address of Applicant :Swami Vivekananda University Telinipara, Barasat - Barrackpore Rd, West Bengal-700121, India Barrackpore -----

(57) Abstract :

This invention has been made to process and execute different blocks of code together. The compiler is intelligent enough to identify each block of codes that which programming language is used in those blocks and execute them in a single button press and will give a desired output. We can save time to work with fellow programmers by working everyone's comfortable and strong zone. And we don't have to hire a programmer to work together with same coding language knowledge.

No. of Pages : 14 No. of Claims : 3