



शहीद राजगुरु कॉलेज ऑफ एप्लाइड साइंसेस फॉर वुमैन
SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN
(दिल्ली विश्वविद्यालय)
वसुंधरा एनक्लेव (चिल्ला स्पोर्ट्स कॉम्प्लेक्स के पास) Vasundhara Enclave (Adjoining Chilla Sports Complex)
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संदर्भ सं./Ref. No. SRCASW/.....

दिनांक/Date.....

To Whom So Ever it May Concern

This is to certify that following members of Department of Biomedical science have been involved in Paper setting, Curriculum Design and Evaluation work for the year 2023-2024.

1. Dr. Varsha Mehra
2. Dr. Shruti Banswal
3. Dr. Saquib Ansari
4. Dr. Indu Arora
5. Dr. Manisha Khatri
6. Dr. Hemant Kardam

Dr. Varsha Mehra
Head of Biomedical Science Department

अधिसूचना / NOTIFICATION

विषय: शिक्षक श्रेणी - संविधि 9(3)(V) के प्रावधानों के अधीन गणित विज्ञान संकाय की सदस्यता

निम्नलिखित शिक्षकों को वारिष्ठता के अनुसार संविधि 9(3)(v) के प्रावधानों के अधीन गणित विज्ञान संकाय के सदस्य के रूप में नियुक्त किया जाता है।

Sr. No.	Name of Existing member and College	Term upto	Replaced by	Period
1.	Ms. Seema Rani Bansal Mathematics Swami Shradhanand College	27.08.2021	Sh. Ravi Kumar Srivastava Mathematics Swami Shradhanand College	w.e.f. 28.08.2021 for a term of 3 years
2.	Ms. Deepali Taneja Computer Science Shaheed Rajguru College of Applied Sciences for Women	27.08.2021	Dr. Aakanksha Computer Science Shaheed Rajguru College of Applied Sciences for Women	w.e.f. 28.08.2021 for a term of 3 years
3.	Dr. (Ms.) Suruchi Gautam Computer Sciences Rajdhani College	27.08.2021	Dr. Pankaj Kr. Garg Mathematics Rajdhani College	w.e.f. 28.08.2021 for a term of 3 years
4.	Ms. Bhavneet Kaur Bakshi Mathematics Lady Sri Ram College	27.08.2021	Ms. Sucheta Nayak Mathematics Lady Sri Ram College	w.e.f. 28.08.2021 for a term of 3 years
5.	Dr. (Ms.) Anu Saxena Mathematics Jesus & Mary College	27.08.2021	Dr. (Ms.) I. Dutta Mathematics Jesus & Mary College	w.e.f. 28.08.2021 for a term of 3 years
6.	Mrs. Monica Suri Mathematics ARSD College	27.08.2021	Dr. B.K. Tyagi Mathematics ARSD College	w.e.f. 28.08.2021 to 30.12.2022 i.e. upto the age of 65 years.

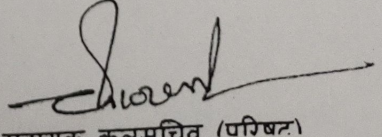
इस प्रसंग में, उक्त नामित शिक्षकों से अनुरोध किया जाता है कि अपनी स्वीकृति अधोहस्ताक्षरी के कार्यालय को भेजें और अधिष्ठाता, गणित विज्ञान संकाय को अपना डाक पता और संपर्क नंबर की सूचना दें।

In this context, it is requested that the above named teachers may send a line of acceptance to the office of undersigned and intimate the Dean, Faculty of Mathematical Sciences regarding their mailing address & contact number.

Received and
Accepted
Do. Cantone
08/09/2021

Dr. Aakanksha
Comp. Sc.

भवदीय


महायक कलमचित (परिष्ठाता)



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DEPARTMENT OF COMPUTER SCIENCE

संगणक विज्ञान विभाग

UNIVERSITY OF DELHI, DELHI-110 007 (INDIA)

दिल्ली विश्वविद्यालय, दिल्ली-110007 (भारत)

संदर्भ संख्या: सी.एस/24
Ref. No.: CS/24

तिथि: अप्रैल 10, 2024
Dated: April 10, 2024

जिससेभीसंबंधितहो
TO WHOM IT MAY CONCERN

This is to certify that **Dr. Aakanksha, Shaheed Rajguru College of Applied Sciences for Women**, University of Delhi, Delhi has been involved in the guidelines of the following courses at the Department of Computer Science, University of Delhi, Delhi-110007:

GE-4 Introduction to Web Programming, B.Sc.(H) Computer Science semester IV (NEP)

DSC-6 Computer Networks, B.Sc. (H) Computer Science, semester IV (NEP)

(Naveen Kumar)
HEAD



LESSON 1 INTRODUCTION TO OOP

NOTES

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Structure

- 1.1 Learning Objectives
- 1.2 What is Programming
- 1.3 Translator Program
 - 1.3.1 Three Types of Translator Programs
- 1.4 Procedure-Oriented Programming
 - 1.4.1 Characteristics of Procedure-Oriented Programming
- 1.5 Object-Oriented Programming (OOP)
 - 1.5.1 Introduction
 - 1.5.2 OOP Definition
 - 1.5.3 Benefits of OOP
 - 1.5.4 Why is OOP popular?
- 1.6 Characteristics of OOP
 - 1.6.1 Class
 - 1.6.2 Object
 - 1.6.3 Data Abstraction
 - 1.6.4 Encapsulation
 - 1.6.5 Inheritance
 - 1.6.6 Polymorphism
 - 1.6.7 Dynamic Binding
 - 1.6.8 Message Passing
- 1.7 Need of OOP
- 1.8 Difference between Procedure-Oriented Programming and OOP



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Notice of PG Committee Meeting to be held on 14.03.24 at 11 am.

Shashi <shashi@cs.du.ac.in>

Mon, Mar 11, 2024 at 4:55 PM

To: Naveen Kumar <nk.cs.du@gmail.com>, "Prof. Punam Bedi" <pbedi@cs.du.ac.in>, vivek@cs.du.ac.in, Dilip Senapati <dsenapati@cs.du.ac.in>, Om Pal <opal@cs.du.ac.in>, Mantosh Biswas <mbiswas@cs.du.ac.in>, BHARTI RANA <bharti@cs.du.ac.in>, Vikas Kumar <vikas@cs.du.ac.in>, Anamika Gupta <anamikargupta@sscbsdu.ac.in>, "deepali.bajaj@rajguru.du.ac.in" <deepali.bajaj@rajguru.du.ac.in>, kinshuk.mcs21@cs.du.ac.in, "pathak.sahil@ramanujan.du.ac.in" <pathak.sahil@ramanujan.du.ac.in>

Ref. No.: CS/2024/**Dated: 11th March, 2024****NOTICE**

A meeting of the Committee of Postgraduate and Honours Courses will be held on **Thursday, 14th March, 2024 at 11.00 am** in the office of the Head, Department of Computer Science, University of Delhi.

The agenda will be as follows:

1. Confirmation of Minutes of the meeting held on 14.11.2023.
2. To discuss Elective for B.Sc. course to include the students of other streams.
3. Appointment of Examiners: To recommend the examiners in respect of MCA/MCS Semester II and B.Sc.(H) Computer Science Semester II/IV/VI (Regular & ER/Improvement) examination to be held in May June 2024.

Members are requested to make it convenient to attend the meeting.

Regards,

Office
DUCS



LESSON 2

INTRODUCTION AND BASIC CONCEPTS OF C++

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Structure

- 2.1 Learning Objectives
- 2.2 Introduction to C++
 - 2.2.1 Features of C++
- 2.3 Basic Terminology of C++
 - 2.3.1 Tokens
 - 2.3.2 C++ Keywords
 - 2.3.3 Identifiers
 - 2.3.4 Variable
 - 2.3.5 Constants
- 2.4 Data Types
 - 2.4.1 Built-in Data Types in C++
 - 2.4.2 Derived Data Types in C++
 - 2.4.3 Abstract or User-Defined Data Types in C++
- 2.5 Structure of C++ Program
 - 2.5.1 Comments
 - 2.5.2 Naming Convention
 - 2.5.3 Main Function
 - 2.5.4 Input Output Statements
- 2.6 Summary
- 2.7 Glossary
- 2.8 Answers to In-Text Questions
- 2.9 Self-Assessment Questions
- 2.10 References
- 2.11 Suggested Reading



Editors

Prof. Ajay Jaiswal

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CERTIFICATE OF PARTICIPATION

SKILL ENHANCEMENT COURSE COMMITTEE
University of Delhi

This is to certify that Prof./Dr./Mr./Mrs./Ms.

Neha Katyal from **Shaheed Rajguru College Applied Sciences for women**

has participated & deliberated upon establishing the guidelines for Continuous Assessment for the courses under the Theme “**Computer Science**” in a Two-day workshop on

“ESTABLISHMENT OF MODALITIES FOR SKILL ENHANCEMENT COURSES”

organised by Skill Enhancement Course Committee, University of Delhi,
on **4-5th March, 2024** in Conference Centre, University of Delhi.

Prof. Poonam Verma
Principal, Shaheed Sukhdev College

Prof. Payal Mago
Chairperson, SEC Committee

Prof. Savita Roy
Principal, Daulat Ram College