ACHARYA NARENDRA DEV COLLEGE

UNIVERSITY OF DELHI

DEPARTMENT OF COMPUTER SCIENCE

Orientation Program 2020-2021

ONLINE EVENT PROTOCOLS TO BE FOLLOWED

- Keep your audios on mute throughout the event.
- Please keep checking the chat box for instructions, request & information during the event.
- Please check your speakers in case of audibility issues.
- For seamless experience, you may focus your view on active speakers.
- In case of misconduct, the participant responsible will be removed from the meeting.

We request your cooperation in conducting this event smoothly.

COMPUTER SCIENCE

DBT STAR DEPARTMENT

Established in 1992:

- 2 Courses:
  B. Sc. (H.) Computer Science &
  B. Sc. Physical Science with Computer Science (CBCS with LOCF)

Today

- 13 Faculty Members
- 6 Non-Teaching Staff
- 3 Computer Labs each equipped with Core i5 Machines, WiFi Router & LAN, Printers and Scanners.

FACULTY:

DR. SHARANJIT KAUR
ASSOCIATE PROFESSOR, Course Coordinator (PSCS)

DR. VIBHA GAUR
ASSOCIATE PROFESSOR

FACULTY:

DR. SUNITA NARANG (TIC)
ASSISTANT PROFESSOR

DR. HARITA AHUJA
ASSISTANT PROFESSOR

FACULTY:

DR. PREETI MARWAHA
ASSISTANT PROFESSOR

DR. CHANDRA K. SAMAL
ASSISTANT PROFESSOR

FACULTY:

MS. ANU PREVEEN
ASSISTANT PROFESSOR

MS. PRIYANKA SHARMA
ASSISTANT PROFESSOR

FACULTY:

MS. SHIVA SAINI
ASSISTANT PROFESSOR

MS. NISHU SINGH
ASSISTANT PROFESSOR

MS. GUNJAN RANI
ASSISTANT PROFESSOR

FACULTY:

MS. VANDITA GROVER
ASSISTANT PROFESSOR

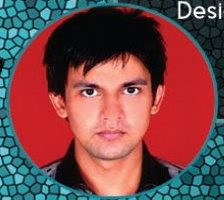
MR. MAHESH KUMAR
ASSISTANT PROFESSOR

NON TEACHING FACULTY

Ms. Arunita
Designation : Sr. Technical Assistant
Qualification : M.Tech.
(Computer Sc and Tech.)

Mr. Tarun Sharma
Designation : Sr. Technical Assistant
Qualification : M.C.A.

Mr. Atul Giri
Designation : Sr.Technical Assistant
Qualification : M.C.A.



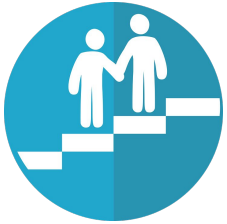
Mr. Ram Kumar Singh
Designation : Sr. Technical Assistant
Qualification : M.Sc.
(Maths & Computer Sc.)

Mr. Girish
Designation : Lab Attendant
Qualification : B.A

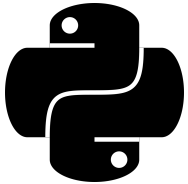
Mr. Dharmendar
Designation : Lab Attendant
Qualification : B.A pursuing

Mr. Manoj
Designation : Lab Attendant
Qualification : B.A

Mentors:



- *Your subject teachers* **Dr. Chandra Kant Samal**, **Ms. Anu Preveen** *and* **Ms. Vandita Grover** *will be responsible to clear all your doubts/queries regarding the course, academics, department, college etc.*



Activities @ CS Department

FOSS CLUB

Various workshops are organised throughout the year on topics like- Python, Android, Drupal, Foss etc.

TURING SOCIETY

Annual Departmental fest: OVERLOAD++ and various Tech-Talks are organised throughout the year.

FOSS (Free & Open Source Software)

- A club which believes in giving 'Power to People' and provides an opportunity to enhance and analyze open source code, which enables the development and customization of user specific environments with ease.
- The activities (workshops, competitions, projects, hackathons etc.) here at FOSS are completely initiated by the students under the guidance of the teachers.
- The college campus only uses the Open Source Operating System – Linux (Ubuntu).

FOSS CLUB
Foss Introduction
Spoken Tutorial
Spoken Tutorial
Drupal Workshop
Foss Workshop
Foss Familiarization
Foss Workshop
Foss Workshop
RMS Talk

Computer Science Research Lab

DR. SHARANJIT KAUR
Research Areas: Data Mining, Stream Clustering, Graph Mining, Social Network Analysis

RESEARCH GUIDE

DR. CHANDRA KANT SAMAL
Research Areas: Wireless ad-hoc Networks, Sensor Networks, Computer Networks, Opportunistic Networks Underwater Sensor Networks & Image Processing

DR. VIBHA GAUR
Research Areas: Software Engineering, E-commerce, Software Quality, Fuzzy Logic, User's Trust

Turing Society:

The society of Computer Science department organizes workshops, technical events, and competitions to enrich students' academic skills. It provides platform for the students to showcase their talent with a competitive spirit.

WORKSHOPS

- Latex
- Ethical Hacking
- Python
- IT Tools

TECHNICAL TALKS

- Information Security
- Machine Learning
- Mobile Application with Qt (Nokia)
- Embedded Systems and Mobile Architecture

TECHNICAL FEST : OVERLOAD++

- Android Gaming
- Coding Quiz
- Bug Hunt
- Techno Quiz
- Computer Gaming (LAN)
- Mock CID

Turing Society:

The society of Computer Science department organizes workshops, technical events, and competitions to enrich students' academic skills. It provides platform for the students to showcase their talent with a competitive spirit.

DEBUGGING AND SUBTITLING

- Movies
- Cartoons

IT QUIZ

- Cloud Computing
- Cyber Crimes and Security

INDUSTRIAL VISITS

- National Science Centre : **26th Feb, 2020**
- Indian Agricultural Statistical Research Institute : **11th Oct, 2018**
- National Centre for MRWF : **18th Sept, 2017**

Departmental Fest: OVERLOAD++

OVERLOAD++

2020 Team:

- Teacher Coordinator: Dr. Chandra Kant Samal
- Student Coordinator: Harsh Upreti

Annual Excursion:

- Organized for second year students each year.
- They Experience new Environments.
- Play a vital Role in:
  - Holistic Development of a student.
  - Build Closer Bonds with their classmates

Annual Excursion:

Nainital & Jim Corbett

Udaipur & Mt. Abu

Manali & Shimla

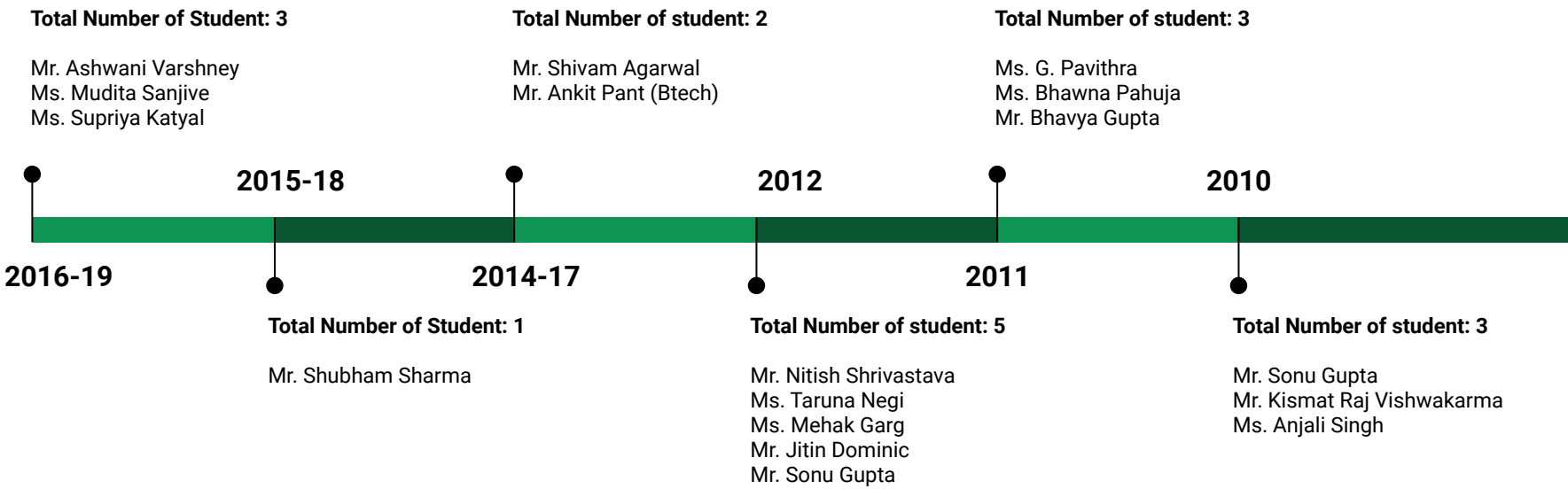
Goa

ELITE - Education in a Lively Innovative Training Environment

- A research program which allows interested students (approximately 35 students every year) to work on summer projects under the proper guidance.
- During this project each student is given stipend of Rs.1000 and certificate after completion of project.
- This program exposes students to work on technologies that are beyond their curriculum.
- And they learn how to work in teams.

ELITE - Education in a Lively Innovative Training Environment

Rank Holders In University Of Delhi and UDSC (University Of Delhi South Campus):



Alumni Speaks:

- Batch of 2017-2020
  - Vaibhav Singh Thakur
  - Founder and CEO of ODESSYY

- Batch of 2015-2018
  - Shubham Sharma
  - SDE at Coforge (NIIT Technologies) || Competitive Programmer

Alumni Speaks:

- Batch 2015-2018
  - Ruman Saleem
  - Software Engineer at Info Edge India Ltd

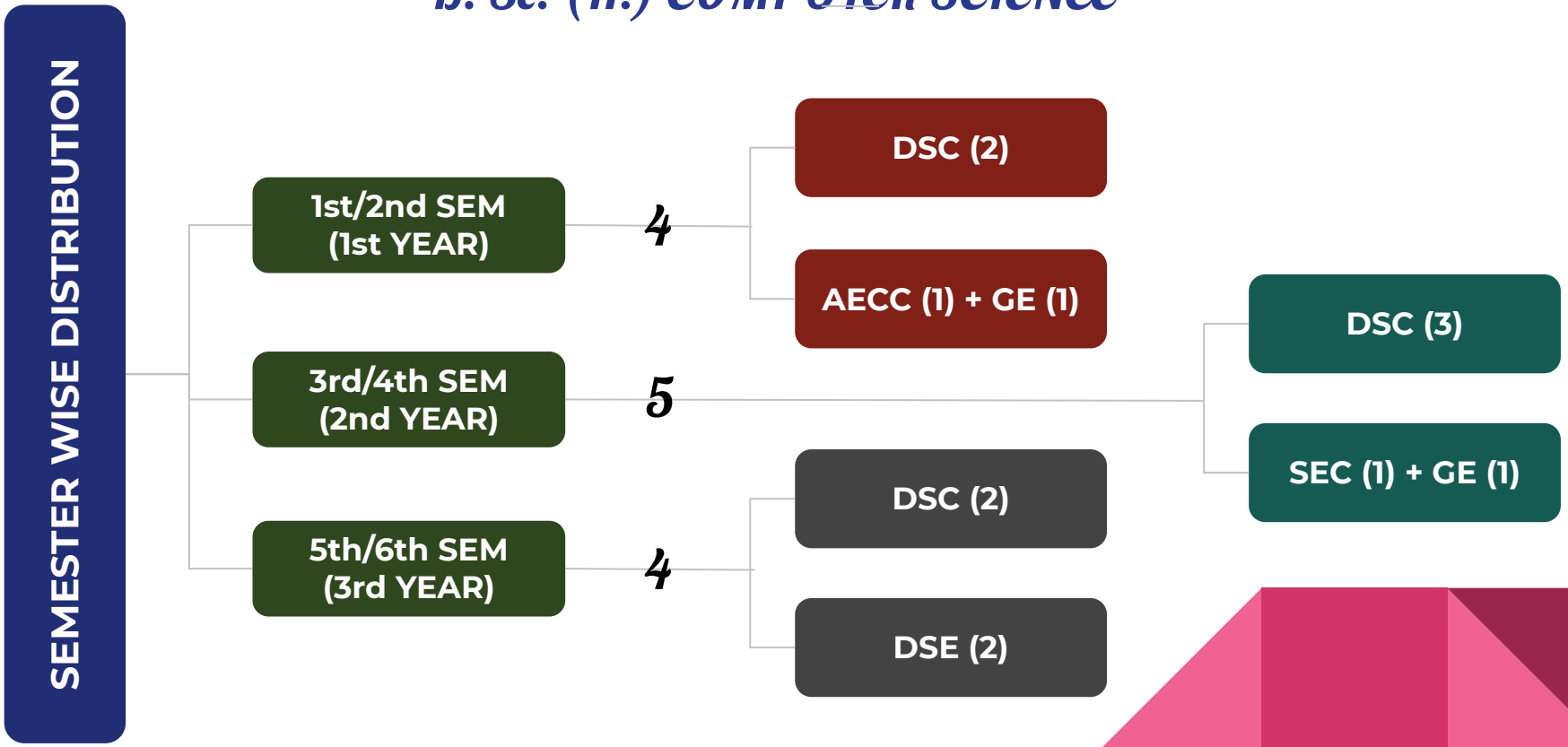
- Batch 2014-2017
  - Noorul Hasan
  - Software Developer at Cvent

Alumni Speaks:

- Batch of 2014-2017
  - Mayank Gangwar
  - Engineer at Nagarro

- Batch 2014-2017
  - Shivam Agarwal
  - Software Engineer at Chegg Inc.

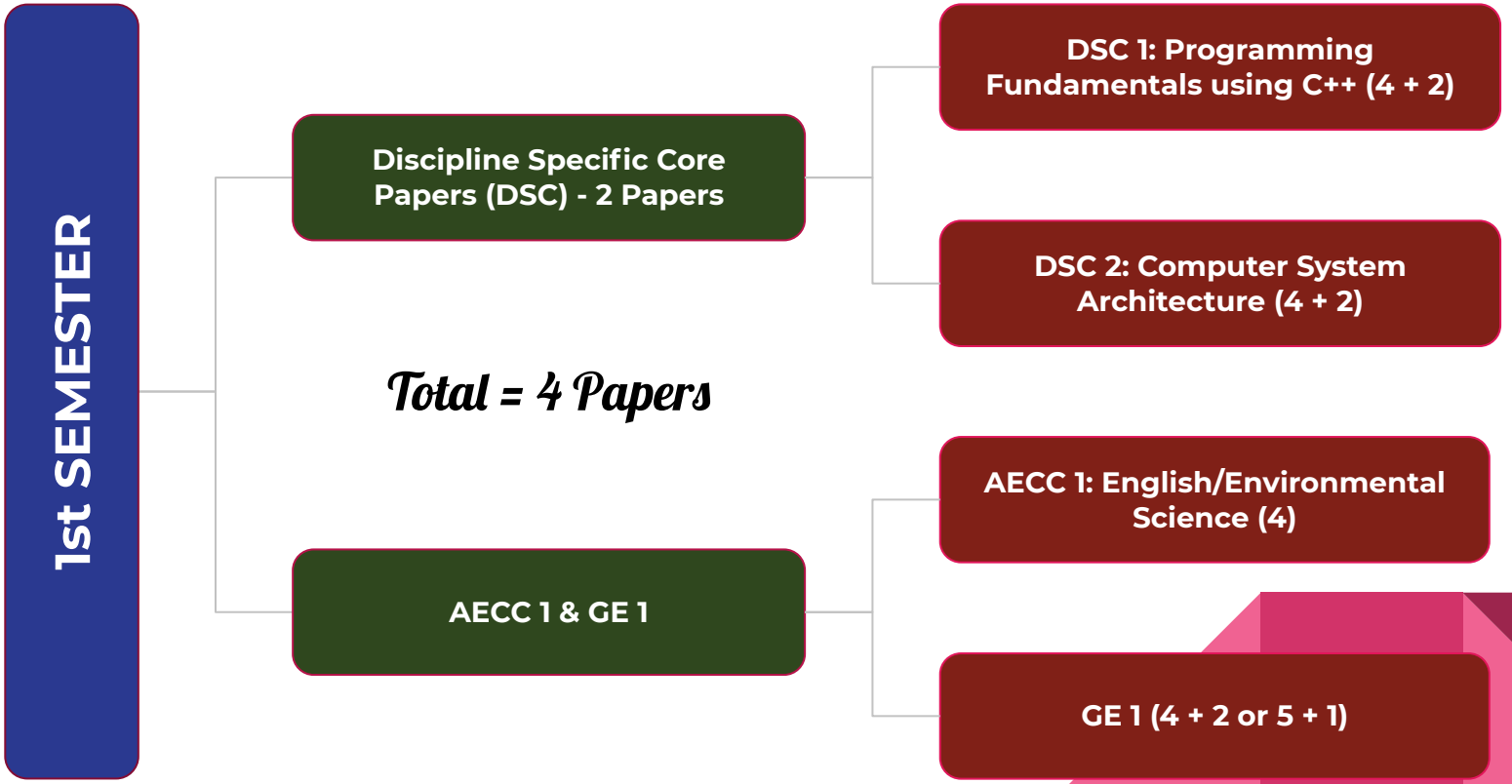
CHOICE BASED CREDIT SYSTEM (CBCS)
B. Sc. (H.) COMPUTER SCIENCE



CHOICE BASED CREDIT SYSTEM (CBCS)
B. Sc. (H.) COMPUTER SCIENCE

Course	Description	Theory + Practical *
I. Core Papers (14 Papers)		14 X 4 = 56
Core Course Practical/ Tutorial (14 Practical/ Tutorial)		14 X 2 = 28
II. General Elective Course (4 papers)	Four papers from any one discipline of importance	4 X 4 = 16
General Elective Course Practical/ Tutorials (4 Practical/ Tutorials)	Four papers from any one discipline of importance	4 X 2 = 8
III. Ability Enhancement Compulsory Courses (AECC)	2 papers of 4 credits each	2 X 4 = 8
IV. Skill Enhancement Courses (SC)	2 papers of 4 credits each	2 X 4 = 8
V. Discipline Specific Elective (DSE) (4 papers)		4 X 4 = 16
Discipline Specific Elective Course Practical/ Tutorial (4 Practical/ Tutorials)		4 X 2 = 8
Total Credits		**148**

CHOICE BASED CREDIT SYSTEM (CBCS)
B. Sc. (H.) COMPUTER SCIENCE



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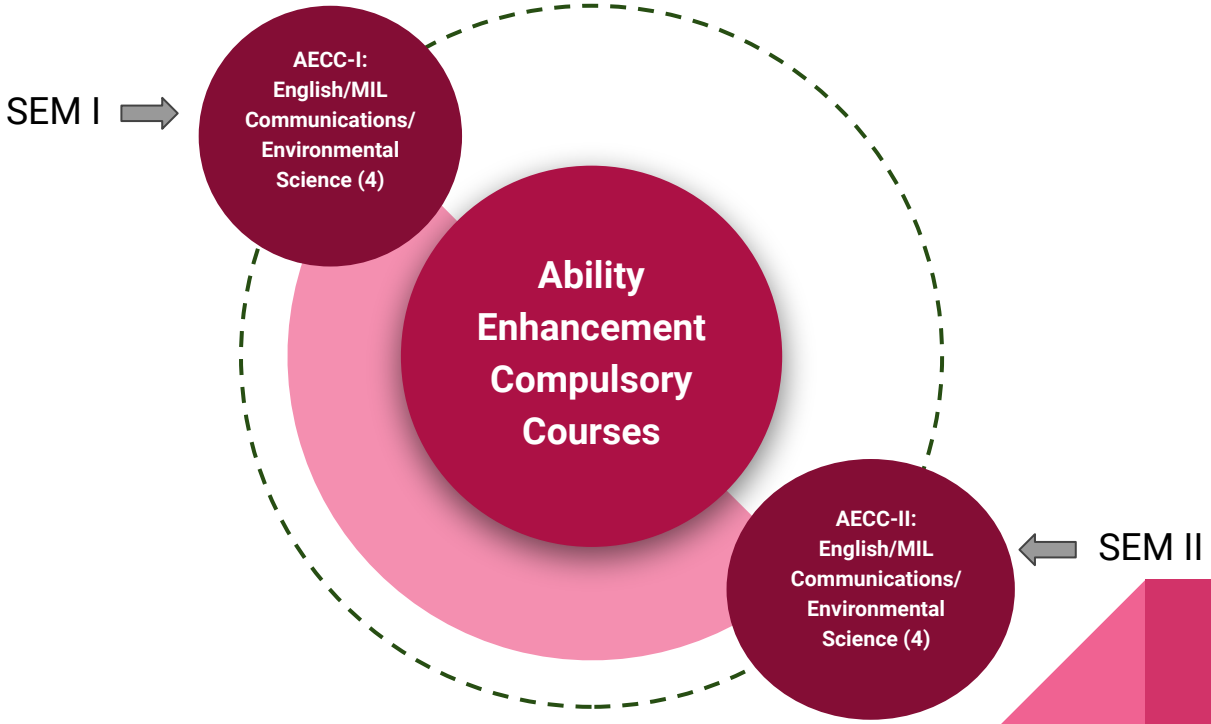

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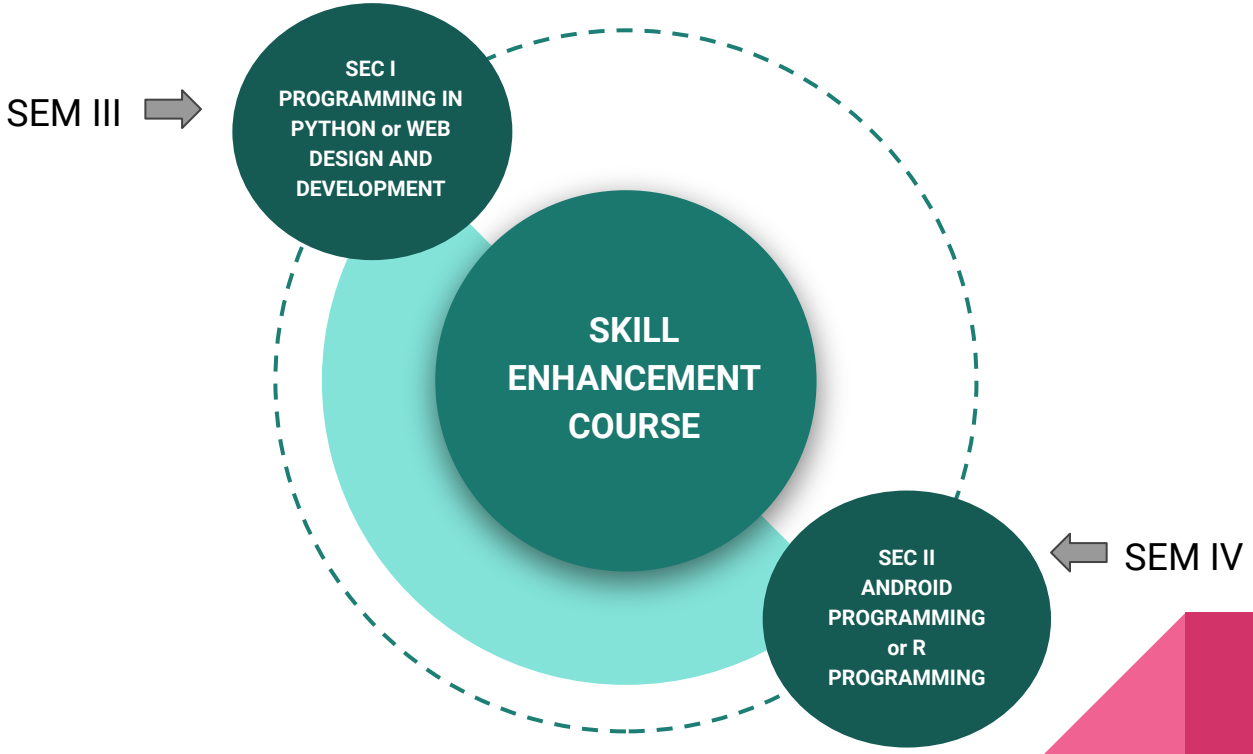

CHOICE BASED CREDIT SYSTEM (CBCS)
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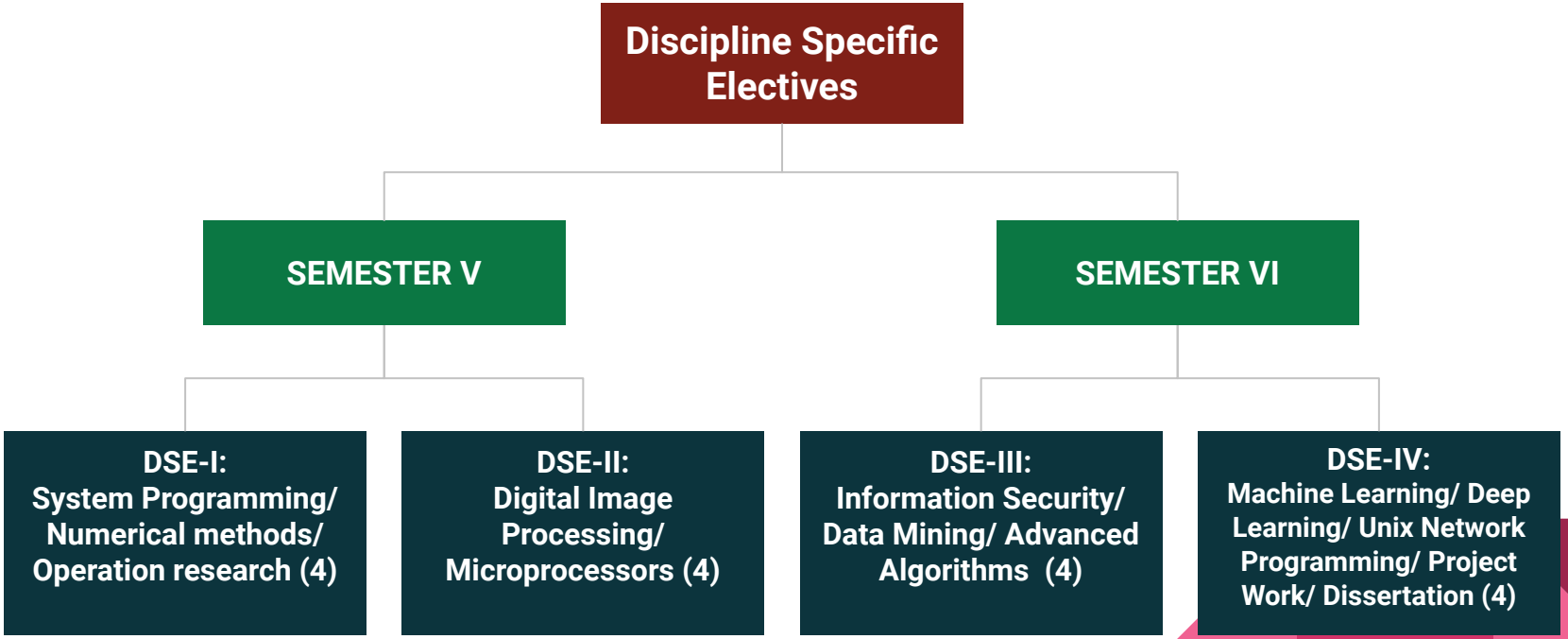


CHOICE BASED CREDIT SYSTEM (CBCS)
B. Sc. (H.) COMPUTER SCIENCE
General Elective - 1 & 2 Papers offered by other Departments

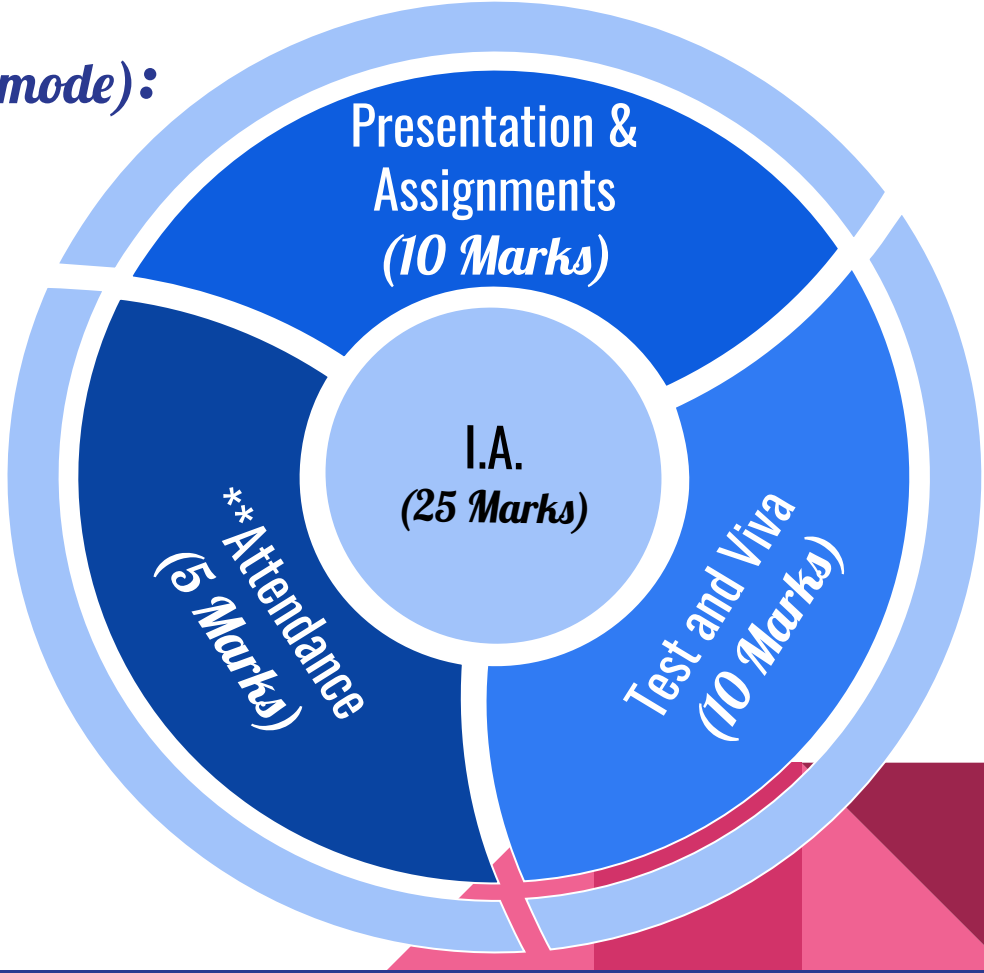
S.No	Department	GE - 1 in Semester I	GE - 2 in Semester II
1	Chemistry	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Chemistry of s- and p-block elements, States of Matter and Chemical Kinetics
2	Commerce	Insurance and Risk Management	Investing in Stock Markets
3	Biomedical Science	Biological Chemistry	Concepts in Medicinal Chemistry and Drug Development
4	Botany	Biodiversity/Plant Anatomy and Embryology	Plant Ecology and Taxonomy
5	Electronics	Electronic Circuits and PCB Designing	Digital System Design
6	Mathematics	Calculus	Linear Algebra
7	Physics	Waves and Optics	Mechanics
8	Zoology	Insect Vector and Diseases / Animal Diversity	Human Physiology / Exploring the Brain: Structure and Function
9	English	Academic Writing and Composition	Language, Literature and Culture

Internal Assessment (physical mode):

TOTAL = 100 marks (Theory)
INTERNAL ASSESSMENT = 25 marks

**Note: The Attendance is evaluated for the entire semester and marks are distributed in the following manner:

>=67% but <70%	1 mark
>=70% but <75%	2 marks
>=75% but <80%	3 marks
>=80% but <85%	4 marks
>=85%	5 marks

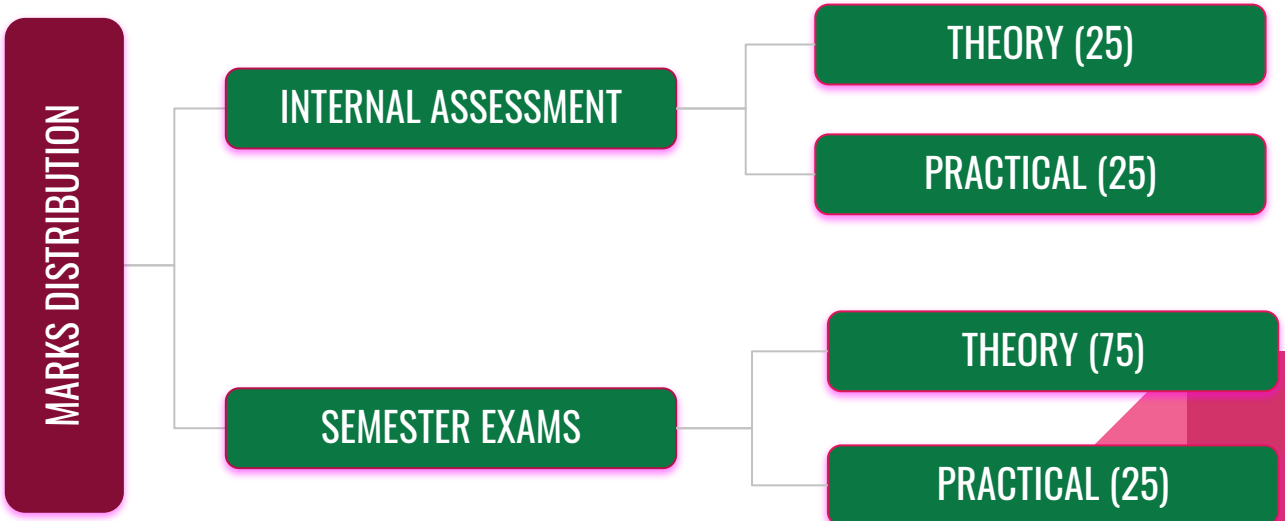


Internal Assessment (online mode):

(upto May-June 2021 *as expected):

The Internal Assessment of each subject will comprise of:

- 25 marks based on Assignments, Presentations, Test & Viva etc.
- The below distribution of marks will be followed for both the Theory as well as for the Practicals.



Academic Calendar:

FIRST BATCH/FIRST SEMESTER	
Commencement of Classes	18.11.2020 (Wednesday)
Preparatory Break and Practical Examinations	06.03.2021 (Saturday) to 14.3.2021 (Sunday)
Conduct of Examinations	15.03.2021 (Monday) to 27.03.2021 (Saturday)
Semester Break	28.03.2021 (Sunday) to 31.03.2021 (Wednesday)
EVEN SEMESTER (FIRST YEAR)	
Commencement of Classes	01.04.2021 (Thursday)
Preparatory Break and Practical Examinations	21.07.2021 (Wednesday) to 28.07.2021 (Wednesday)
Conduct of Examinations	29.07.2021 (Thursday) to 09.08.2021 (Monday)
Semester Break	10.08.2021 (Tuesday) to 15.08.2021 (Sunday)
Commencement of Next Academic Session for this batch	16.08.2021 (Monday)

TIME TABLE:

TIME TABLE 2020 **ACHARYA NARENDRA DEV COLLEGE** **(ODD SEMESTER)**

B.Sc. (H) Computer Science **November, 2020**

SEMESTER I

PERIOD / DAY	1st 8:45 a.m.} 9:45 a.m.	2nd 10:00 a.m.} 11:00 a.m.	3rd 11:15 a.m.} 12:15 p.m.	4th 12:30 p.m.} 1:30 p.m.	5th 1:45 p.m.} 2:45 p.m.	6th 3:00 p.m.} 4:00 p.m.
MON	VGr C++ Th	VGr C++ Th		GE-I Th	GE-I Lab	GE-I Lab
TUE	GE-I Th	GE-I Th	AP CSA Th		MK English Th	MK English Th
WED	VG CSA Lab	VG CSA Lab	AP CSA Th			
THU		AP C++ Th	AP C++ Th		GE-I Th	GE-I Th
FRI	MK English Th	MK English Th			AP/VGr C++ Lab	AP+VGr C++ Lab
SAT	CKS CSA Th	CKS CSA Th				

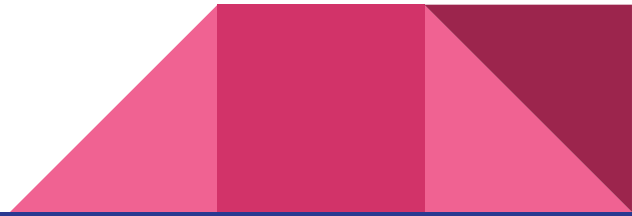
VG – Dr. Vibha Gaur **SS – Ms. Shiva Saini** **CKS – Dr. CK Samal**
AP – Ms. Anu Preveen **VGr - Vandita Grover** **MK – Dr. Manoj Kumar**
CSA-Computer System Architecture

Hardware Requirements for the Course:

- A Laptop/PC for the online classes and the programming aspect of the course.

Or

- At least a Smartphone in case you do not own a computer.



College Locality : Govindpuri

- OUR COLLEGE POSSESSES NO HOSTEL FACILITIES BUT OUR COLLEGE MANAGEMENT NEVER LET YOU FEEL ANY LACK OF RESOURCES .
- MOREOVER, LOTS OF PG AND FLATS AT RENT, ARE AVAILABLE FOR BOYS AND GIRLS IN NEARBY LOCALITY GOVINDPURI & KALKAJI AT AFFORDABLE PRICES.
- CLEAN AND HYGIENIC MESS FACILITIES ARE ALSO AVAILABLE FOR THE STUDENTS.
- COLLEGE CANTEEN ALSO SERVES GOOD FOOD AT AFFORDABLE PRICES.
- THE LOCATION HAS EASY ACCESS TO, ACHARYA NARENDRA DEV COLLEGE 0 KM , GOVINDPURI METRO STATION 1KM, SINGHAL MARKET 0 KM , INDIAN CENTRE FOR DEDICATION AND REHABILITATION 1 KM AND AXIS BANK 1 KM.

Who is the CR?

AND WHAT DOES IT TAKE TO BE ONE??

RESPONSIBILITIES: YOU GET TO INFORM THE WHOLE CLASS ABOUT THE EXTRA CLASS (“YAYY!!”).

THE BRIDGE BETWEEN STUDENTS AND THE TEACHERS. MANAGE AND PLAN EVENTS RELATED TO YOUR CLASS. FORWARD IMPORTANT NOTES, FILES AND DATA WITH THE STUDENTS WHICH THE TEACHERS SHARE.

-> THE POSITION OF A CR IN COLLEGE IS VERY SIGNIFICANT AND FUN AT THE SAME TIME. BUT, IT ALSO REQUIRES A LOT OF PATIENCE AND STRENGTH TO TACKLE SOME TOUGH SITUATIONS BECAUSE SOMETIMES THE CR ALSO HAS TO BE ON THE STUDENTS’ SIDE AND CANCEL THE CLASSES, XD.

The World is shifting from Offline to Online. We are now used to this new way of learning, hopefully you will be too, soon! Till then all of the teachers and we, the seniors, are with you to help you out. See you in the college :)

Thank You !