

Certificate in Computer Applications (CCA)

CCA-102: Data Communications

Course Faculty



Prof. Vimal Kumar
Associate Professor-IT Area
IMS, Ghaziabad



Prof. Avneesh Vashistha
Assistant Professor-IT Area
IMS, Ghaziabad

**Online content
20 hours**

CCA-102: Data Communications

Faculty Introduction



Prof. Vimal Kumar
Associate Professor-IT Area
IMS, Ghaziabad

- Associate Professor in the department of IT Area, Institute of Management Studies (IMS), Ghaziabad, India.
- M.Tech(CSE) from MNNIT Allahabad, MCA from Dr. BRA University Agra, B.Sc (Electronics, Physics, Maths) from MJP Rohilkhand University Bareilly.
- Experience of teaching for MCA, B.Tech and M.Tech students in premier Institutions.
- Primary areas of research include Mobility related issues in wireless networks and data-centric computing.

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Faculty Introduction



Prof. Avneesh Vashistha
Assistant Professor-IT Area
IMS, Ghaziabad

- Assistant Professor in the department of IT Area, Institute of Management Studies (IMS), Ghaziabad, India.
- M.Tech- CSE from SRM University Chennai and PGDBM-IT from IMT Ghaziabad.
- Experience of teaching for MCA, B.Tech students in premier Institutions.
- Research area includes cloud computing and computer networks.

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Course Objective

The objective of the course is to help the students to get conceptual knowledge of all the networking basics along with various techniques used for communication between networks.

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Course Outline

S.No	Unit/Topic	Faculty
1	Unit 1: Introduction to data communication	Prof Vimal Kumar
2	Unit 2: Network Connecting Devices	Prof Vimal Kumar
3	Unit 3: Basics of Computer Networks: Local Area Network (LAN), Wide Area Network (WAN)	Prof Vimal Kumar
4	Unit 4: Concept of Internet	Prof Vimal Kumar
5	Unit 5: Basics of Internet Architecture	Prof Vimal Kumar

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Course Outline

S.No	Unit/Topic	Faculty
6	Unit 6: Services on Internet	Prof Avneesh Vashistha
7	Unit 7: World Wide Web	Prof Avneesh Vashistha
8	Unit 8: Communication on Internet	Prof Avneesh Vashistha
9	Unit 9: Preparing Computer for Internet Access	Prof Avneesh Vashistha
10	Unit 10: Basics of E-mail	Prof Avneesh Vashistha

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Course Assessment

Credits	Assessment Scheme			
	Quiz	Term Assignment	End Term Quiz	Total
3	10	30	60	100

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Course Learning Outcomes

After the completion of this course, students will be able to:

- Recognize and Describe about the working of Computer Networks.
- Illustrate reference models with layers, protocols and interfaces.
- Summarize functionalities of different Layers.
- Combine and distinguish functionalities of different Layers.

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Course Learning Outcomes

After the completion of this course, students will be able to:

- Model the LAN and WAN configuration using different media.
- Examine problems of a computer networks.
- Use emails and their working and operational features

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Doubts/Query Clarifications

A candidate can send their doubts related to the content as email to student.support@cscacademy.org

In Subject line write your LMS registration id- Program - Course number - Unit number related to your doubt/query. e.g. Registration id 2002/12-CCA-102-Unit 2.1

A candidate should ensure the email should have their doubts/query related to CCA program only. Only doubts/queries related to CCA will be responded, any other email will not be responded.

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