

# Bachelor of Computer Applications (BCA – Information Technology)

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## Semester I

| Subject Code | Course Name              |
|--------------|--------------------------|
| BCA101       | Fundamentals of Computer |
| BCA102       | Programming in C         |
| BCA103       | Digital Electronics      |
| BCA104       | Mathematics - I          |
| BCA105       | Communication Skills     |
| BCA106       | C Programming Lab        |

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## Semester II

| Subject Code | Course Name                       |
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| BCA201       | Data Structures                   |
| BCA202       | Object Oriented Programming (C++) |
| BCA203       | Mathematics - II                  |
| BCA204       | Computer Organization             |
| BCA205       | Environmental Studies             |
| BCA206       | Data Structure Lab                |

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### Semester III

| Subject Code | Course Name                |
|--------------|----------------------------|
| BCA301       | Database Management System |
| BCA302       | Operating System           |
| BCA303       | Software Engineering       |
| BCA304       | Web Technology             |
| BCA305       | DBMS Lab                   |
| BCA306       | Web Development Lab        |

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### Semester IV

| Subject Code | Course Name        |
|--------------|--------------------|
| BCA401       | Java Programming   |
| BCA402       | Computer Networks  |
| BCA403       | E-Commerce         |
| BCA404       | Python Programming |
| BCA405       | Java Lab           |
| BCA406       | Python Lab         |

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### Semester V

| Subject Code | Course Name                    |
|--------------|--------------------------------|
| BCA501       | Mobile Application Development |
| BCA502       | Cloud Computing                |

| <b>Subject Code</b> | <b>Course Name</b>      |
|---------------------|-------------------------|
| BCA503              | Cyber Security          |
| BCA504              | Artificial Intelligence |
| BCA505              | Project Work - I        |
| BCA506              | Internship              |

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### Semester VI

| <b>Subject Code</b> | <b>Course Name</b>       |
|---------------------|--------------------------|
| BCA601              | Data Analytics           |
| BCA602              | Internet of Things (IoT) |
| BCA603              | Software Testing         |
| BCA604              | Major Project            |
| BCA605              | Seminar and Viva Voce    |