



Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus, Satara
Faculty of MCA

CO-PO Matrices of Courses:

MCA-I SEMESTER-III

1. SEM III Subject Code: CC301: Java Programming

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
|----------------|----------|-------------|-------------|-------------|------------|----------|-----|----------|
| C301.1 | 3 | 2 | 3 | 2 | 1 | | | 2 |
| C301.2 | 3 | 2 | 2 | 3 | 1 | | | 2 |
| C301.3 | 3 | 3 | 3 | 3 | 2 | | | 2 |
| C301.4 | 3 | 2 | 3 | 3 | 2 | 1 | | 2 |
| Average | 3 | 2.25 | 2.75 | 2.75 | 1.5 | 1 | | 2 |

2. SEM III Subject Code: CC302: Data Analytics

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
|----------------|----------|------------|------------|------------|-----|-----|-----|------------|
| C302.1 | 3 | 2 | 1 | 1 | | | | 1 |
| C302.2 | 2 | 1 | 1 | 3 | | | | 1 |
| C302.3 | 2 | 2 | 2 | 3 | | | | 2 |
| C302.4 | 1 | 1 | 2 | 3 | | | | 2 |
| Average | 2 | 1.5 | 1.5 | 2.5 | | | | 1.5 |

3. SEM III Subject Code: CC303: Cyber Security

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
|----------------|----------|------------|-------------|-------------|----------|----------|-------------|----------|
| C303.1 | 3 | 3 | 1 | 2 | 1 | | 2 | 2 |
| C303.2 | 2 | 2 | 2 | 3 | 1 | | 3 | 2 |
| C303.3 | 2 | 3 | 3 | 3 | 1 | 1 | 3 | 3 |
| C303.4 | 1 | 2 | 1 | 1 | | | 3 | 1 |
| Average | 2 | 2.5 | 1.75 | 2.25 | 1 | 1 | 2.75 | 2 |



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4. SEM III Subject Code: AEC305: Entrepreneurship Development

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
|----------------|----------|-------------|------------|----------|----------|------------|-------------|----------|
| AEC305.1 | 1 | 1 | 2 | | 1 | 2 | 2 | 2 |
| AEC305.2 | | 2 | 2 | | 1 | 2 | 2 | 2 |
| AEC305.3 | 1 | 3 | 3 | 1 | | 3 | 2 | 2 |
| AEC305.4 | 1 | 3 | 3 | 1 | 1 | 3 | 1 | 2 |
| Average | 1 | 2.25 | 2.5 | 1 | 1 | 2.5 | 1.75 | 2 |

5. SEM III Subject Code: DSE304: Cloud Computing

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
|----------------|-------------|------------|-------------|-------------|----------|----------|----------|----------|
| DSE304.1 | 2 | 2 | 1 | 2 | 1 | | | 2 |
| DSE304.2 | 3 | 2 | 2 | 3 | | | | 2 |
| DSE304.3 | 2 | 3 | 2 | 2 | | | 3 | 2 |
| DSE304.4 | 2 | 3 | 2 | 2 | 1 | 3 | 3 | 2 |
| Average | 2.25 | 2.5 | 1.75 | 2.25 | 1 | 3 | 3 | 2 |