



## TO WHOMSOEVER IT MAY CONCERN

This is to certify that the following is the final attainment of Program Outcomes of Bachelor of Computer Application 2021-2024 batch.

| PROGRAM OUTCOME - ATTAINMENT                                      |      |      |      |      |      |      |                      |
|-------------------------------------------------------------------|------|------|------|------|------|------|----------------------|
| COURSE CODE / PO'S                                                | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | LINK                 |
| ENG 1A01 TRANSACTIONS                                             | 2.00 | 2.80 | 2.4  | 2.2  | 2.6  | 1.8  | <a href="#">VIEW</a> |
| ENG1A02 WAYS WITH WORDS:<br>LITERATURES IN ENGLISH                | 2.30 | 2.80 | 2.0  | 2.0  | 2.8  | 2.3  | <a href="#">VIEW</a> |
| HIN1A07(3) /MAL 1A07                                              | 2.2  | 2.80 | 2.00 | 2.4  | 2.8  | 2.00 | <a href="#">VIEW</a> |
| BCA1B01 COMPUTER<br>FUNDAMENTALS AND HTML                         | 2.8  | 2.6  | 2.6  | 2.4  | 2.8  | 2.4  | <a href="#">VIEW</a> |
| BCA1C01 MATHEMATICAL<br>FOUNDATION FOR COMPUTER<br>APPLICATIONS   | 2.2  | 2.6  | 2.2  | 2.0  | 2.8  | 2.2  | <a href="#">VIEW</a> |
| BCA1C02 DISCRETE<br>MATHEMATICS                                   | 2.2  | 2.80 | 2.0  | 2.2  | 2.8  | 2.6  | <a href="#">VIEW</a> |
| ENG2A03 WRITING FOR<br>ACADEMIC AND PROFESSIONAL<br>SUCCESS       | 3.00 | 2.80 | 2.00 | 2.0  | 2.6  | 2.6  | <a href="#">VIEW</a> |
| ENG2A04 ZEITGEIST - READINGS<br>ON CONTEMPORARY CULTURE           | 2.00 | 2.80 | 2.2  | 2.6  | 2.80 | 2.4  | <a href="#">VIEW</a> |
| HIN 2 A08 /MAL2A08                                                | 1.6  | 2.6  | 1.8  | 2.0  | 3.00 | 2.00 | <a href="#">VIEW</a> |
| BCA2B02 PROBLEM SOLVING<br>USING C                                | 3.00 | 2.8  | 3.00 | 2.4  | 2.8  | 3.00 | <a href="#">VIEW</a> |
| BCA2B03 PROGRAMMING<br>LABORATORY I: HTML AND<br>PROGRAMMING IN C | 3.00 | 2.80 | 2.6  | 2.80 | 2.6  | 2.6  | <a href="#">VIEW</a> |

**PRINCIPAL**  
**NIRMALA COLLEGE OF ARTS & SCIENCE**  
**KUNNAPPILLY P.O., MELOOR**  
**CHALAKUDY - 680311**





|                                                         |      |      |      |      |      |      |                      |
|---------------------------------------------------------|------|------|------|------|------|------|----------------------|
| BCA2C03 FINANCIAL AND<br>MANAGEMENT ACCOUNTING          | 3.00 | 2.80 | 2.6  | 2.4  | 2.2  | 2.3  | <a href="#">VIEW</a> |
| BCA2C04 OPERATIONS<br>RESEARCH                          | 3.00 | 2.8  | 2.4  | 2.2  | 2.4  | 2.6  | <a href="#">VIEW</a> |
| A11-PYTHON                                              | 2.80 | 2.40 | 3.00 | 2.60 | 2.60 | 3.00 | <a href="#">VIEW</a> |
| A12-SENSORS&TRANSDUERS                                  | 3.00 | 3.00 | 3.00 | 2.40 | 2.60 | 2.60 | <a href="#">VIEW</a> |
| BCA3B04-DATA STRUCTURES                                 | 3.00 | 3.00 | 3.00 | 2.60 | 2.60 | 2.80 | <a href="#">VIEW</a> |
| BCA3C05 - COSM                                          | 3.00 | 2.4  | 2.4  | 2.4  | 2.80 | 2.80 | <a href="#">VIEW</a> |
| BCA3C06 - TOC                                           | 3.00 | 3.00 | 2.6  | 2.4  | 2.80 | 2.80 | <a href="#">VIEW</a> |
| A13 DATA COMMUNICATION AND<br>OPTICAL FIBER             | 2.60 | 2.20 | 2.60 | 2.60 | 2.40 | 2.40 | <a href="#">VIEW</a> |
| A14-MICROPROCESSOR<br>ARCHITECTURE AND<br>PROGRAMMING   | 3.00 | 2.4  | 3.00 | 2.6  | 2.00 | 2.6  | <a href="#">VIEW</a> |
| BCA4B05 DATABASE<br>MANAGEMENT SYSTEM AND<br>RDBMS      | 3.00 | 2.4  | 2.8  | 2.6  | 2.8  | 2.6  | <a href="#">VIEW</a> |
| BCA4B06-PROGRAMMING LAB II<br>DATA STRUCTURES AND RDBMS | 3.00 | 3.00 | 2.80 | 2.60 | 2.60 | 2.80 | <a href="#">VIEW</a> |
| BCA4C07-ECOMMERCE                                       | 3.00 | 3.00 | 2.20 | 2.60 | 2.60 | 2.80 | <a href="#">VIEW</a> |
| BCA4C08-COMPUTER GRAPHICS                               | 3.00 | 3.00 | 2.40 | 2.80 | 2.60 | 2.60 | <a href="#">VIEW</a> |
| BCA5B07-COA                                             | 3.00 | 2.60 | 3.00 | 2.40 | 2.60 | 2.60 | <a href="#">VIEW</a> |

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|                                            |      |      |      |      |      |      |                      |
|--------------------------------------------|------|------|------|------|------|------|----------------------|
| BCA5B08-JAVA                               | 2.80 | 3.00 | 2.80 | 2.80 | 2.80 | 2.80 | <a href="#">VIEW</a> |
| BCA5B09-WEB PROGRAMMING USING PHP          | 2.60 | 3.00 | 2.80 | 2.60 | 2.80 | 2.80 | <a href="#">VIEW</a> |
| BCA5B10-PRINCIPLES OF SOFTWARE ENGINEERING | 2.60 | 2.80 | 2.80 | 2.80 | 2.60 | 2.40 | <a href="#">VIEW</a> |
| BTH5D01-TOURISM AND HOSPITALITY MANAGEMENT | 2.20 | 2.80 | 2.40 | 2.40 | 2.20 | 2.40 | <a href="#">VIEW</a> |
| BCA6B11-ANDROID                            | 3.00 | 2.80 | 2.60 | 2.40 | 2.40 | 2.80 | <a href="#">VIEW</a> |
| BCA6B12-OPERATING SYSTEM                   | 2.80 | 3.00 | 2.80 | 2.40 | 2.60 | 2.40 | <a href="#">VIEW</a> |
| BCA6B13-COMPUTER NETWORKS                  | 2.80 | 3.00 | 3.00 | 2.20 | 2.20 | 2.60 | <a href="#">VIEW</a> |
| BCA6B14-LAB 3 JAVA & PHP                   | 2.80 | 2.60 | 2.80 | 2.40 | 2.60 | 2.40 | <a href="#">VIEW</a> |
| BCA6B15-LAB 4 ANDROID                      | 3.00 | 2.80 | 2.60 | 2.40 | 2.40 | 2.80 | <a href="#">VIEW</a> |
| BCAB6B17-IV & PROJECT                      | 2.40 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | <a href="#">VIEW</a> |
| BCA6B16 E-LIFESKILLS                       | 2.00 | 2.20 | 1.80 | 2.40 | 2.40 | 2.00 | <a href="#">VIEW</a> |
| DIRECT                                     | 2.65 | 2.77 | 2.49 | 2.38 | 2.60 | 2.52 |                      |
| INDIRECT                                   | 2.53 | 2.29 | 2.43 | 2.27 | 2.42 | 2.42 |                      |
| DIRECT 80%                                 | 2.12 | 2.21 | 1.99 | 1.91 | 2.08 | 2.02 |                      |
| INDIRECT 20%                               | 0.51 | 0.46 | 0.49 | 0.45 | 0.48 | 0.48 |                      |
| PO ATTAINMENT                              | 2.63 | 2.67 | 2.48 | 2.36 | 2.56 | 2.50 |                      |

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docs.google.com/spreadsheets/d/135UjNxxrWzp5GtCIHKb75y\_ol9X3SC3P/edit?gid=1918294756#gid=1918294756



PO ATTAINMENT - 23-24BCA

.XLSX



File Edit View Insert Format Data Tools Help



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1

## BACHELOR OF COMPUTER APPLICATION- 2021 BATCH

2

### EXIT SURVEY ATTAINMENT

3

Program

BACHELOR OF COMPUTER APPLICATIONS

4

No. of exit students feedback obtained:

68

5

Batch

2021-24

6

Academic year

2023-24

7

Question No.

Respective PO

Excellent (4)

Very good (3)

Good (2)

Fair (1)

Total weightage

Percentage

Weightage based on 3 scale

8

1

1

25

43

0

0

229

84.19

2.53

9

2

2

31

10

27

0

208

76.47

2.29

10

3

3

35

14

19

0

220

80.88

2.43

11

4

4

27

16

25

0

206

75.74

2.27

12

5

5

32

21

13

2

219

80.51

2.42

13

6

6

29

25

14

0

219

80.51

2.42

14

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| Exit Survey-BCA 2021 Batch (Responses) <span>XLSX</span> ☆ 📁 ☁ |                      |                   |                   |                   |                     |                 |                        |
|----------------------------------------------------------------|----------------------|-------------------|-------------------|-------------------|---------------------|-----------------|------------------------|
| File Edit View Insert Format Data Tools Help                   |                      |                   |                   |                   |                     |                 |                        |
| 🔍 Menus 🔍 100% 🔍 123 Times ... 🔍 12 B I 🔍 A 🔍                  |                      |                   |                   |                   |                     |                 |                        |
| J9                                                             |                      |                   |                   |                   |                     |                 |                        |
|                                                                | A                    | B                 | C                 | D                 | E                   | F               | G                      |
| 1                                                              | Timestamp            | 1.Do you feel the | 2.Do you feel the | 3.Do you think th | 4.Are you confident | 5.How would you | 6.Do you think the pro |
| 2                                                              | 4/12/2024 13:11:27   | Very good (3)     | Excellent (4)     | Very good (3)     | Good (2)            | Very good (3)   | Very good (3)          |
| 3                                                              | 12/04/2024 13:11:27  | Very good (3)     | Very good (3)     | Excellent (4)     | Excellent (4)       | Excellent (4)   | Excellent (4)          |
| 4                                                              | 4/12/2024 13:11:27   | Very good (3)     | Excellent (4)     | Very good (3)     | Very good (3)       | Excellent (4)   | Good (2)               |
| 5                                                              | 12/04/2024 15:40:29  | Excellent (4)     | Very good (3)     | Very good (3)     | Very good (3)       | Good (2)        | Good (2)               |
| 6                                                              | 16/04/2024 06:10:08  | Excellent (4)     | Very good (3)     | Very good (3)     | Excellent (4)       | Very good (3)   | Excellent (4)          |
| 7                                                              | 4/17/2024 10:11:10   | Very good (3)     | Very good (3)     | Very good (3)     | Very good (3)       | Very good (3)   | Good (2)               |
| 8                                                              | 11/04/2024 13:21:50  | Very good (3)     | Very good (3)     | Excellent (4)     | Good (2)            | Good (2)        | Good (2)               |
| 9                                                              | 4/19/2024 20:00:47   | Very good (3)     | Very good (3)     | Good (2)          | Good (2)            | Good (2)        | Excellent (4)          |
| 10                                                             | 4/12/2024 10:27:40   | Excellent (4)     | Very good (3)     | Good (2)          | Good (2)            | Excellent (4)   | Very good (3)          |
| 11                                                             | 4/18/2024 9:00:07    | Very good (3)     | Good (2)          | Very good (3)     | Excellent (4)       | Excellent (4)   | Excellent (4)          |
| 12                                                             | 4/12/2024 14:24:11   | Very good (3)     | Very good (3)     | Very good (3)     | Very good (3)       | Very good (3)   | Very good (3)          |
| 13                                                             | 4/12/2024 15:08:41   | Very good (3)     | Good (2)          | Excellent (4)     | Very good (3)       | Very good (3)   | Excellent (4)          |
| 14                                                             | 4/12/2024 18:44:37   | Excellent (4)     | Very good (3)     | Good (2)          | Very good (3)       | Very good (3)   | Very good (3)          |
| 15                                                             | 5/15/2024 22:20:11   | Very good (3)     | Excellent (4)     | Excellent (4)     | Excellent (4)       | Excellent (4)   | Excellent (4)          |
| 16                                                             | 16/04/2024 14:44:50  | Very good (3)     | Very good (3)     | Very good (3)     | Good (2)            | Very good (3)   | Very good (3)          |
| 17                                                             | 4/14/2024 21:17:55   | Excellent (4)     | Very good (3)     | Excellent (4)     | Excellent (4)       | Excellent (4)   | Very good (3)          |
| 18                                                             | 4/15/2024 14:06:00   | Very good (3)     | Very good (3)     | Very good (3)     | Good (2)            | Good (2)        | Very good (3)          |
| 19                                                             | 4/14/2024 6:54:05    | Excellent (4)     | Very good (3)     | Very good (3)     | Good (2)            | Good (2)        | Excellent (4)          |
| 20                                                             | 4/15/2024 23:42:10   | Very good (3)     | Good (2)          | Good (2)          | Excellent (4)       | Excellent (4)   | Good (2)               |
| 21                                                             | 4/16/2024 16:30:15   | Excellent (4)     | Excellent (4)     | Excellent (4)     | Good (2)            | Good (2)        | Excellent (4)          |
| 22                                                             | 4/12/2024 9:18:20    | Very good (3)     | Good (2)          | Excellent (4)     | Excellent (4)       | Excellent (4)   | Excellent (4)          |
| 23                                                             | 4/14/2024 2:06:25    | Very good (3)     | Good (2)          | Excellent (4)     | Very good (3)       | Very good (3)   | Very good (3)          |
| 24                                                             | 4/12/2024 18:54:30   | Excellent (4)     | Good (2)          | Excellent (4)     | Excellent (4)       | Very good (3)   | Excellent (4)          |
| 25                                                             | 4/12/2024 11:42:35   | Very good (3)     | Good (2)          | Very good (3)     | Excellent (4)       | Very good (3)   | Excellent (4)          |
| 26                                                             | 4/13/2024 4:30:40    | Excellent (4)     | Good (2)          | Excellent (4)     | Excellent (4)       | Excellent (4)   | Excellent (4)          |
| 27                                                             | 4/12/2024 21:18:45   | Very good (3)     | Very good (3)     | Excellent (4)     | Very good (3)       | Very good (3)   | Very good (3)          |
| 28                                                             | 4/12/2024 14:06:50   | Excellent (4)     | Very good (3)     | Good (2)          | Very good (3)       | Excellent (4)   | Very good (3)          |
| 29                                                             | 4/16/2024 6:54:55    | Very good (3)     | Very good (3)     | Excellent (4)     | Excellent (4)       | Very good (3)   | Excellent (4)          |
| 30                                                             | 4/15/2024 23:43:00   | Very good (3)     | Very good (3)     | Excellent (4)     | Good (2)            | Excellent (4)   | Very good (3)          |
| 31                                                             | 4/15/2024 16:31:05   | Excellent (4)     | Very good (3)     | Good (2)          | Good (2)            | Excellent (4)   | Excellent (4)          |
| 32                                                             | 4/17/2024 9:19:10    | Very good (3)     | Good (2)          | Good (2)          | Excellent (4)       | Excellent (4)   | Good (2)               |
| 33                                                             | 4/14/2024 2:07:15    | Excellent (4)     | Good (2)          | Good (2)          | Good (2)            | Fair (1)        | Good (2)               |
| 34                                                             | 4/16/2024 18:55:20   | Very good (3)     | Very good (3)     | Good (2)          | Good (2)            | Excellent (4)   | Good (2)               |
| 35                                                             | 4/16/2024 11:43:25   | Very good (3)     | Excellent (4)     | Excellent (4)     | Good (2)            | Good (2)        | Excellent (4)          |
| 36                                                             | 217/04/2024 04:31:30 | Excellent (4)     | Good (2)          | Good (2)          | Excellent (4)       | Excellent (4)   | Very good (3)          |
| 37                                                             | 4/18/2024 23:42:10   | Very good (3)     | Very good (3)     | Excellent (4)     | Very good (3)       | Excellent (4)   | Very good (3)          |
| 38                                                             | 4/18/2024 16:30:15   | Excellent (4)     | Excellent (4)     | Excellent (4)     | Good (2)            | Good (2)        | Very good (3)          |

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*[Handwritten Signature]*

