



# Tribhuvan University

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Office of the Controller of Examinations

Kathmandu, Nepal

## Academic Transcript



Name of Student: SUSHIL MAHARJAN

T.U. Registration No.: 5-2-410-43-2017

Course Duration: Four Years (Eight Semesters)

Level: Bachelors Degree

Campus Roll No.: 15344/074

Institute: Science and Technology

Campus: Prime College

Programme: B.Sc. Computer Science and  
Information Technology (B.Sc. CSIT)

| Course Code                  | Subjects appeared in the Examination   | Cr. Hrs. | Full Marks |      |        |       | Pass Marks |      |        |       | Marks Secured |      |        |       | Passed Year |
|------------------------------|----------------------------------------|----------|------------|------|--------|-------|------------|------|--------|-------|---------------|------|--------|-------|-------------|
|                              |                                        |          | Int.       | Sem. | Pract. | Total | Int.       | Sem. | Pract. | Total | Int.          | Sem. | Pract. | Total |             |
| First Year / First Semester  |                                        |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 109                      | Introduction to Information Technology | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 20            | 44   | 20     | 84    |             |
| CSC 110                      | C Programming                          | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 16            | 43   | 20     | 79    |             |
| CSC 111                      | Digital Logic                          | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 19            | 49   | 19     | 87    |             |
| MTH 112                      | Mathematics I                          | 3        | 20         | 80   | -      | 100   | 8          | 32   | -      | 40    | 18            | 58   | -      | 76    |             |
| PHY 113                      | Physics                                | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 16            | 34   | 19     | 69    |             |
| Total                        |                                        | 15       |            |      |        | 500   |            |      |        | 200   |               |      |        | 395   |             |
| First Year / Second Semester |                                        |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 160                      | Discrete Structure                     | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 14            | 49   | 10     | 73    |             |
| CSC 161                      | Object Oriented Programming            | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 33   | 15     | 66    |             |
| CSC 162                      | Microprocessor                         | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 19            | 30   | 17     | 66    |             |
| MTH 163                      | Mathematics II                         | 3        | 20         | 80   | -      | 100   | 8          | 32   | -      | 40    | 18            | 70   | -      | 88    |             |
| STA 164                      | Statistics I                           | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 35   | 11     | 64    |             |
| Total                        |                                        | 15       |            |      |        | 500   |            |      |        | 200   |               |      |        | 357   |             |
| Second Year / Third Semester |                                        |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 206                      | Data Structures and Algorithms         | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 34   | 13     | 64    |             |
| CSC 207                      | Numerical Method                       | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 30   | 16     | 63    |             |
| CSC 208                      | Computer Architecture                  | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 27   | 16     | 61    |             |
| CSC 209                      | Computer Graphics                      | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 24   | 19     | 60    |             |
| STA 210                      | Statistics II                          | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 16            | 29   | 17     | 62    |             |
| Total                        |                                        | 15       |            |      |        | 500   |            |      |        | 200   |               |      |        | 310   |             |

Date of Issue: 2023-02-01

Prepared by

Checked by

Chief of Records Div.

Controller of Examinations



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|                               |                                              |          | Int.       | Sem. | Pract. | Total | Int.       | Sem. | Pract. | Total | Int.          | Sem. | Pract. | Total |             |
| Second Year / Fourth Semester |                                              |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 257                       | Theory of Computation                        | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 24   | 18     | 59    |             |
| CSC 258                       | Computer Networks                            | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 30   | 20 cs  | 67    |             |
| CSC 259                       | Operating Systems                            | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 24   | 13     | 54    |             |
| CSC 260                       | Database Management System                   | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 25   | 17 cs  | 60    |             |
| CSC 261                       | Artificial Intelligence                      | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 16            | 35   | 14     | 65    |             |
| Total                         |                                              | 15       |            |      |        | 500   |            |      |        | 200   |               |      |        | 305   |             |
| Third Year / Fifth Semester   |                                              |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 314                       | Design and Analysis of Algorithms            | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 39   | 20     | 76    |             |
| CSC 315                       | System Analysis and Design                   | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 16            | 40   | 15     | 71    |             |
| CSC 316                       | Cryptography                                 | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 26   | 17     | 60    |             |
| CSC 317                       | Simulation and Modeling                      | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 35   | 17     | 69    |             |
| CSC 318                       | Web Technology                               | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 10            | 39   | 15     | 64    |             |
| Elective                      |                                              |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 323                       | Society and Ethics in Information Technology | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 41   | 15     | 74    |             |
| Total                         |                                              | 18       |            |      |        | 600   |            |      |        | 240   |               |      |        | 414   |             |



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|--------------------------------|--------------------------------------|----------|------------|------|--------|-------|------------|------|--------|-------|---------------|------|--------|-------|-------------|
|                                |                                      |          | Int.       | Sem. | Pract. | Total | Int.       | Sem. | Pract. | Total | Int.          | Sem. | Pract. | Total |             |
| Third Year / Sixth Semester    |                                      |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 364                        | Software Engineering                 | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 17            | 24   | 14     | 55    |             |
| CSC 365                        | Compiler Design and Construction     | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 33   | 16     | 67    |             |
| CSC 366                        | E-Governance                         | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 30   | 14     | 62    |             |
| CSC 367                        | NET Centric Computing                | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 29   | 14     | 61    |             |
| CSC 368                        | Technical Writing                    | 3        | 20         | 80   | -      | 100   | 8          | 32   | -      | 40    | 18            | 58   | -      | 76    |             |
| Elective                       |                                      |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 370                        | E-Commerce                           | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 45   | 14     | 77    |             |
| Total                          |                                      | 18       |            |      |        | 600   |            |      |        | 240   |               |      |        | 398   |             |
| Fourth Year / Seventh Semester |                                      |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 409                        | Advanced Java Programming            | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 35   | 16     | 69    |             |
| CSC 410                        | Data Warehousing and Data Mining     | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 30   | 19     | 67    |             |
| MGT 411                        | Principles of Management             | 3        | 20         | 80   | -      | 100   | 8          | 32   | -      | 40    | 19            | 40   | -      | 59    |             |
| CSC 412                        | Project Work                         | 3        | -          | -    | -      | 100   | -          | -    | -      | 40    | -             | -    | -      | 88    |             |
| Elective                       |                                      |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 415                        | Software Project Management          | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 38   | 13     | 69    |             |
| Total                          |                                      | 15       |            |      |        | 500   |            |      |        | 200   |               |      |        | 352   |             |



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|-------------------------------|--------------------------------------|----------|------------|------|--------|-------|------------|------|--------|-------|---------------|------|--------|-------|-------------|
|                               |                                      |          | Int.       | Sem. | Pract. | Total | Int.       | Sem. | Pract. | Total | Int.          | Sem. | Pract. | Total |             |
| Fourth Year / Eighth Semester |                                      |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 461                       | Advanced Database                    | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 24   | 16     | 58    |             |
| CSC 462                       | Internship                           | 6        | -          | -    | -      | 200   | -          | -    | -      | 80    | -             | -    | -      | 190   |             |
| Elective                      |                                      |          |            |      |        |       |            |      |        |       |               |      |        |       |             |
| CSC 467                       | Introduction to Cloud Computing      | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 18            | 29   | 15     | 62    |             |
| CSC 472                       | Network and System Administration    | 3        | 20         | 60   | 20     | 100   | 8          | 24   | 8      | 40    | 19            | 33   | 20     | 72    |             |
| Total                         |                                      | 15       |            |      |        | 500   |            |      |        | 200   |               |      |        | 382   |             |
| Grand Total                   |                                      |          |            |      |        | 4200  |            |      |        | 1680  |               |      |        | 2913  |             |

|                                |        |
|--------------------------------|--------|
| Percentage:                    | 69.36  |
| Passed Division:               | Second |
| Minimum Credit Hours Required: | 126    |
| Passed Year:                   | 2021   |

| Attended Year and Roll No. |          |        |       |        |       |       |         |        |
|----------------------------|----------|--------|-------|--------|-------|-------|---------|--------|
| Roll No.                   | Semester |        |       |        |       |       |         |        |
|                            | First    | Second | Third | Fourth | Fifth | Sixth | Seventh | Eighth |
| 15344/074                  | 2017     | 2018   | 2018  | 2019   | 2019  | 2020  | 2020    | 2021   |
|                            |          |        |       |        |       |       |         |        |
|                            |          |        |       |        |       |       |         |        |
|                            |          |        |       |        |       |       |         |        |

### Grading system of marks secured in the examination:

Distinction: 80 % and above in the aggregate.  
First Division: 70 % and above in the aggregate.  
Second Division: 55 % and above in the aggregate.  
Pass Division: 40 % and above in the aggregate.  
To pass the examination at least 40 % of the marks must be secured in theory and practical respectively.