Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

AY: 2025-26

Class:	T.E.	**Semester:**	V
Course Code:	CSC502	**Course Name:**	WEB COMPUTING

Name of Student:	SHRUTI GAUCHANDRA
Roll No. :	18
Assignment No.:	04
Title of Assignment:	NODE.JS
Date of Submission:	16/09/25
Date of Correction:	16/09/25

Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	3
Demonstrated Knowledge	3	3
Legibility	2	2
Total	10	8

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Completeness	5	3-4	1-2
Demonstrated Knowledge Legibility	3	2	1
Legibility	2	1	0

Checked by

Name of Faculty : Ms. KSHITIJA GHARAT

Signature : Gharat

Date :

CSC502.4 Using Node.js develop back-end application.

Q1. Implement a Node.js program that calculates and prints the sum of numbers from 1 to 10.

→ Code:

```
// sum.js
let sum = 0;
for (let i = 1; i <= 10; i++) {
    sum = sum + i;
}
console.log("The sum of numbers from 1 to 10
        is:", sum);
```

Output:

The sum of numbers from 1 to 10 is: 55.

Q2. Implement a Node.js program that reads a list of filenames from a directory, filters them to find files with a specific extension (e.g., 'txt'), and prints the names of those files.

→ Code:

```
// filterFiles.js
const fs = require('fs')
const path = require('path');
```

```
const directoryPath = './';
const extension = '.txt';

fs.readdir(directoryPath, (err, files) => {
    if (err) {
        return console.log("Unable to scan
            directory: ' + err);
    }
    files.filter(file => path.extname(file) ==
                        extension)
        .forEach(file => console.log(file));
});
```

Output:

notes.txt

example.txt.

Q3. Implement a simple Node.js program that makes an HTTP GET request to a URL and logs the response to the console. You can use the 'http' or 'axios' module for this task.

→ Code:

```
// getRequest.js
const axios = require('axios');

const url = 'https://jsonplaceholder.typicode.com
                                    /posts/1';
```

```
axios.get(url)
  .then(response => {
    console.log('Response Data:', response.
                                    data);
  })
  .catch(error => {
      console.error('Error:',error);
});
```

Output:

```
Response Data: {
   userId: 1,
   id: 1,
   "title": "Giving protection and avoiding
             blame",
   "body": "People sometimes avoid responsibi
            -lity, and complaints are not
             always true".

}
```