


	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212	
NAAC	CRITERIA - II	METRIC 2.6.2

MAPPING OF COURSES WITH PROGRAMME OUTCOME (2020 - 2021)

DEPARTMENT : COMMERCE

PROGRAM : UG / PG (3 / 2 YEARS)

S. NO.	COURSE NAME	COURSE CODE	PO1	PO2	PO3	PO4	PO5
1	Cheyyul,(Ikkalaillakkiyam) Sirukadhai,Ilakiyavaralaru	18U1LT1	✓				
2	English for Communication-I	18U1EL1	✓				
3	Principles of Accountancy	18UCO1C1		✓			
4	Contemporary Management	18UCO1C2			✓		
5	Business Economics	18UCO1A1		✓			
6	Environmental studies	18U1EVS	✓				
7	Cheyyul, (Idaikalaillakkiyam) Puthinam	18U2LT2		✓			
8	English for Communication-II	18U2EL2			✓		
9	Business Toolsfor Decision Making	18UCO2C3				✓	
10	Business Regulatory framework	18UCO2C4			✓		
11	Office Management	18UCO1A2		✓			
12	Modern Marketing	18UCO2A3		✓			
13	Value Education	18U2VED	✓				
14	Cheyyuil(Kappiyangal) Urainadai,AluvaiMurai,Madalgal,Ilakiyavaralaru	18U3LT3	✓				
15	English through literature	18U3EL3	✓				
16	Business Accounting	18UCO3C5		✓			
17	Business Communication	18UCO3C6			✓		
18	Banking theory law and practice	18UCO3A4			✓		
19	Business Environment	18UCO3A5		✓			
20	Principles of Marketing	18UCO3N1A	✓				
21	Principles of Management	18UCO3N1B	✓				
22	Introduction to Banking	18UCO3N1C		✓			
23	Cheyyuil (Sangallakkiyam,Neethi Ilakiyam)Nadagam,IlakiyaVaralaru,Pothu Katurai)	18U4LT4		✓			
24	English for competitive examination	18U4EL4		✓			

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NAAC	CRITERIA - II	METRIC 2.6.2

25	Cost Accounting	18UCO4C7	✓				
26	Company Law	18UCO4C8	✓				
27	Business Environment	18UCO3A5		✓			
28	Bank Management	18UCO4A6			✓		
29	Fundamentals of Accounting	18UCO4N2A				✓	
30	Organisational Behaviour	18UCO4N2B				✓	
31	Consumer Behaviour	18UCO4N2C				✓	
32	Company Accounting	18UCO5C9			✓		
33	Auditing	18UCO5C10		✓			
34	Computer Application in Business with practical	18UCO5C11T 18UCO5C11P	✓				
35	Financial Management	18UCO5C12	✓				
36	Human Resource Management	18UCO5M1A	✓				
37	Retail Marketing	18UCO5M1B		✓			
38	Investment Management	18UCO5MIC			✓		
39	Insurance Management	18UCO5S1A				✓	
40	Service Marketing	18UCO5S1B				✓	
41	Internet	18UCO5S1C			✓		
42	Advertising Management	18UCO5S2A			✓		
43	Sales Management	18UCO5S2B		✓			
44	Retail Management	18UCO5S2C	✓				
45	Soft Skill Development	18U5SS	✓				
46	Management Accounting	18UCO6C13	✓				
47	Income Tax Theory Law and Practice	18UCO6C14		✓			
48	Entrepreneurial Leadership	18UCO6C15			✓		
49	Goods and service tax	18UCO6M2A		✓			
50	Introduction to E-Commerce	18UCO6M2B		✓			
51	E-banking	18UCO6M2C			✓		
52	Financial Service in India	18UCO6M3A		✓			
53	Financial Marketing Operation	18UCO6M3B			✓		
54	Indian Banking System	18UCO6M3C		✓			
55	Gender Studies	18U6GS	✓				

D. Namitha
Signature of the Class In Charge

N. Deepalakshmi
Signature of the HOD
Head
Department of Commerce,
Dhanalakshmi Srinivasan College
of Arts and Science for Women
(Autonomous)
Perambalur - 621 212.

ALLIED COURSE – I
BUSINESS ECONOMICS

Semester: I	Max. Marks:75
Course Code: 18UCO1A1	Credit: 3
Total Periods : 60	Instruction periods:4

Objectives: To Understand the business tools for decision making purpose.

UNIT – I **(12 Periods)**

Economics – Definition – Economics Analysis – Micro and Macro – Economics- Business economics – Definition – scope of Business economics – Economics Concepts Applied in Business Economics – Role and Responsibilities of a Business Economics.

UNIT – II **(12 Periods)**

Law of Demand – Determinants of demand- Demand Distinctions – Indifference Curve Analysis – consumer's Equilibrium – Elasticity of demand – Types – Measurement – Demand Forecasting – Methods of Demand Forecasting.

UNIT – III **(12 Periods)**

Production function – Factors of production - Isoquant analysis – scale production economies of large scale production and limitations.

UNIT – IV **(12 Periods)**

Supply –supply schedule –Law of supply – Supply curve –Elasticity of supply. Market structure – Equilibrium of firm and industry –Optimum firm, Meaning and characteristics of perfect, monopoly, duopoly oligopoly and monopolistic markets. Pricing under perfect & Monopolistic competition.

UNIT – V **(12 Periods)**

National Income – concept – Measurement –inequalities of income –Fiscal policy method. Public Finance –Definition –Scope Importance.

TEXT BOOKS:

1. Business economics – Sankaran
2. Business economics – KPM Sundharam and En Sundharam

REFERENCE BOOKS:



1. Fundamentals of Business economics D.M.Mithani and VSR.Murthy
2. Principles of Business economics – PN.Reddy and HR.appanniah

COURSE OUTCOMES		
CO NUMBER	CO STATEMENT	KNOWLEDGE LEVEL
CO1	To understand the concepts of cost, nature of production and its relationship to Business operations.	K1
CO2	To apply marginal analysis to the "firm" under different market conditions.	K1
CO3	To analyse the causes and consequences of different market conditions.	K1
CO4	To integrate the concept of price and output decisions of firms under various market structure.	K2
CO5	To analyze the national income, concepts and measure the national income.	K3

Mapping with program outcomes

OUTCOMES	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	M	S	S
CO3	M	S	S	S	S
CO4	S	M	S	S	S
CO5	S	S	S	M	L

S- STRONG M-MEDIUM L-LOW

	<p style="text-align: center;">DIANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS)</p> <p style="text-align: center;">Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212</p>	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Com . Programme : Commerce .
 Course Name : Business Economics. Course Code : 18UC01A1
 Course Instructor : T. Jayaraj Designation : Assistant Professor.

Course Outcome:

CO1: To develop the future prediction and recognition of economics

CO2: To give the clarification of business issues

CO3: To drafting the business policies in the economy

CO4: To establish the different aspects of business economics

CO5: To Maintain cost effective suggestion to our country.



Rate the understanding level of the following (Tick the appropriate box)

CO 1	To develop the future prediction and recognition of economics	
Strong (3)	Medium (2)	Low (1)
CO 2	To give the clarification of business issues	
Strong (3)	Medium (2)	Low (1)
CO 3	To drafting the business policies in the economy	
Strong (3)	Medium (2)	Low (1)
CO 4	To establish the different aspects of business economics	
Strong (3)	Medium (2)	Low (1)
CO 5	To Maintain cost effective suggestion to our country.	
Strong (3)	Medium (2)	Low (1)

Date: 09.03.2020

S. Bharathi
Name of the student

Bharathi.
Signature of the Student

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : *B.com* Programme : *COMMERCE*
 Course Name : *BUSINESS ECONOMICS* Course Code : *18UC01A1*
 Course Instructor : *T. Jayaraj* Designation : *Assistant Professor*

Course Outcome:

CO1: To develop the future prediction and recognition of economics

CO2: To give the clarification of business issues

CO3: To drafting the business policies in the economy

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CO5: To Maintain cost effective suggestion to our country.

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Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 2	To give the clarification of business issues		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 3	To drafting the business policies in the economy		
Strong (3)	<input type="checkbox"/>	Medium (2)	<input checked="" type="checkbox"/>
CO 4	To establish the different aspects of business economics		
Strong (3)	<input type="checkbox"/>	Medium (2)	<input checked="" type="checkbox"/>
CO 5	To Maintain cost effective suggestion to our country.		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)

Date: *09.03.2020* Name of the student: *K. Deepa*

Signature of the Student: *Deepa*

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.COM Programme : Commerce
 Course Name : Business Economics Course Code : 18UC01A1
 Course Instructor : T. Jayraj Designation : Assistant Professor

Course Outcome:

CO1: To develop the future prediction and recognition of economics

CO2: To give the clarification of business issues

CO3: To drafting the business policies in the economy

CO4: To establish the different aspects of business economics

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CO 2	To give the clarification of business issues	
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 3	To drafting the business policies in the economy	
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 4	To establish the different aspects of business economics	
Strong (3) <input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 5	To Maintain cost effective suggestion to our country.	
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)

Date: 09.03.2020

M. Deepika
Name of the student

Deepika
Signature of the Student

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NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Com Programme : Commerce.
 Course Name : Business Economics. Course Code : 18UC01A1.
 Course Instructor : T. Jayaraj Designation : Assistant Professor.

Course Outcome:

CO1: To develop the future prediction and recognition of economics

CO2: To give the clarification of business issues

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Strong (3)	Medium (2)	Low (1)
CO 4	To establish the different aspects of business economics	
Strong (3)	Medium (2)	Low (1)
CO 5	To Maintain cost effective suggestion to our country.	
Strong (3)	Medium (2)	Low (1)

Date: 09.03.2020

Jewelbrinda
Name of the student

Jendy
Signature of the Student

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NAAC	CRITERIA - II	- METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B. com Programme : Commerce
 Course Name : Business Economics Course Code : 18UCDIA1
 Course Instructor : T. Jayaraj Designation : Assistant professor

Course Outcome:

CO1: To develop the future prediction and recognition of economics

CO2: To give the clarification of business issues

CO3: To drafting the business policies in the economy

CO4: To establish the different aspects of business economics

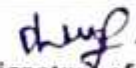
CO5: To Maintain cost effective suggestion to our country.



Rate the understanding level of the following (Tick the appropriate box)

CO 1	To develop the future prediction and recognition of economics	
Strong (3)	Medium (2) ✓	Low (1)
CO 2	To give the clarification of business issues	
Strong (3)	Medium (2) ✓	Low (1)
CO 3	To drafting the business policies in the economy	
Strong (3) ✓	Medium (2)	Low (1)
CO 4	To establish the different aspects of business economics	
Strong (3) ✓	Medium (2)	Low (1)
CO 5	To Maintain cost effective suggestion to our country.	
Strong (3) ✓	Medium (2)	Low (1)

Date: 09.03.2020

S. DHIVYA BARATHI
Name of the student


Signature of the Student

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B. Com Programme : Commerce
 Course Name : Business Economics Course Code : 190CC01A1
 Course Instructor : T. Jayaraj Designation : Assistant Professor

Course Outcome:

CO1: To develop the future prediction and recognition of economics

CO2: To give the clarification of business issues

CO3: To drafting the business policies in the economy

CO4: To establish the different aspects of business economics



CO5: To Maintain cost effective suggestion to our country.

Rate the understanding level of the following (Tick the appropriate box)

CO 1	To develop the future prediction and recognition of economics	
Strong (3)	<input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/> Low (1) <input type="checkbox"/>
CO 2	To give the clarification of business issues	
Strong (3)	<input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/> Low (1) <input type="checkbox"/>
CO 3	To drafting the business policies in the economy	
Strong (3)	<input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/> Low (1) <input type="checkbox"/>
CO 4	To establish the different aspects of business economics	
Strong (3)	<input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/> Low (1) <input type="checkbox"/>
CO 5	To Maintain cost effective suggestion to our country.	
Strong (3)	<input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/> Low (1) <input type="checkbox"/>

Date: 09.03.2020 Name of the student *Raja Mathew*

Signature of the Student *Raja Mathew*

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NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.COM Programme : Commerce
 Course Name : Business Economics Course Code : 18UC01A1
 Course Instructor : T. Jayaraj Designation : Assistant professor

Course Outcome:

CO1: To develop the future prediction and recognition of economics

CO2: To give the clarification of business issues

CO3: To drafting the business policies in the economy

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Strong (3)	Medium (2)	Low (1)	
CO 5	To Maintain cost effective suggestion to our country.		
Strong (3)	Medium (2)	Low (1)	

Date: 09/03/2020 Name of the student

P. Kavitha

P. Kavitha
Signature of the Student

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NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B. COM Programme : Commerce
 Course Name : Business Economics Course Code : 18UCO1A1
 Course Instructor : T. Jayaraj Designation : Assistant Professor

Course Outcome:

CO1: To develop the future prediction and recognition of economics

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CO 5	To Maintain cost effective suggestion to our country.	
Strong (3)	Medium (2)	Low (1)

Date: 09.03.2020

C. KAVIYA
Name of the student


 Signature of the Student

	DIANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B. Com Programme : Commerce
 Course Name : Business Economics Course Code : 1EUC01A1
 Course Instructor : T. Sanyal Designation : Assistant Professor

Course Outcome:

CO1: To develop the future prediction and recognition of economics

CO2: To give the clarification of business issues

CO3: To drafting the business policies in the economy

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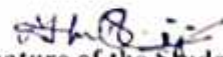
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CO 5	To Maintain cost effective suggestion to our country.		
	Strong (3)	Medium (2)	Low (1)

Date: 09.3.2020

M. Karthikeyan
Name of the student


 Signature of the Student

	DIANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Com Programme : Commerce
 Course Name : Business Economics Course Code : 18UC01A1
 Course Instructor : T. Jayaraj Designation : Assistant Professor.

Course Outcome:

CO1: To develop the future prediction and recognition of economics

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Strong (3)	Medium (2) ✓	Low (1)
CO 4	To establish the different aspects of business economics	
Strong (3) ✓	Medium (2)	Low (1)
CO 5	To Maintain cost effective suggestion to our country.	
Strong (3) ✓	Medium (2)	Low (1)

Date: 09.03.2020

G. KEERTHIKA
Name of the student

G. Keerthika.
Signature of the Student

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template



Degree : B.Com Programme : Commerce
 Course Name : Business Economics Course Code : 18UC01A1
 Course Instructor : T. Jayaraj Designation : Assistant Professor

S. NO.	REG. NO	NAME OF THE STUDENT	CO1	CO2	CO3	CO4	CO5
1	U20COM011	BHARATHI.S	2	2	3	3	2
2	U20COM012	DEEPA.K	3	3	2	2	3
3	U20COM013	DEEPIKA.M	2	2	2	3	2
4	U20COM014	JEWELVINOD	2	2	3	3	3
5	U20COM015	DHIVYA BARATHI.S	2	2	3	3	3
6	U20COM027	ROJA NATHEW	3	2	2	2	3
7	U20COM028	KAVITHA.R	3	3	3	3	2
8	U20COM029	KAVIYA.C	3	3	3	3	3
9	U20COM030	KAVIYARASI.M	3	3	3	3	3
10	U20COM031	KEERTHIKA.G	3	3	2	3	3
SUM			26	25	26	28	27
AVERAGE			2.6	2.5	2.6	2.8	2.7
PERCENTAGE OF THE COURSE OUTCOME			86	85	86	93	90


 Course Instructor Signature


 HOD Signature

Head
 Department of Commerce,
 Dhanalakshmi Srinivasan College
 of Arts and Science for Women,
 (Autonomous)
 Perambalur - 621 212

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MAPPING OF COURSES WITH PROGRAMME OUTCOME (2020 - 2021)

DEPARTMENT : COMMERCE

PROGRAM : UG / PG (3 / 2 YEARS)

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22	Introduction to Banking	18UCO3N1C			✓		
23	Cheyyuil (Sangallakkiyam, Neethi Ilakkiyam) Nadagam, Ilakkiyavaralaru, Pothu Katurai	18U4LT4				✓	
24	English for competitive examination	18U4EL4		✓			



**DHANALAKSHMI SRINIVASAN
COLLEGE OF ARTS AND SCIENCE FOR WOMEN
(AUTONOMOUS)**

Affiliated to Bharathidasan University, Tiruchirappalli
(Nationally Re-Accredited with 'A' Grade by NAAC)
Perambalur - 621212



NAAC

CRITERIA - II

METRIC 2.6.2

25	Cost Accounting	18UCO4C7		✓			
26	Company Law	18UCO4C8			✓		
27	Business Environment	18UCO3A5					
28	Bank Management	18UCO4A6		✓			
29	Fundamentals of Accounting	18UCO4N2A				✓	
30	Organisational Behaviour	18UCO4N2B			✓		
31	Consumer Behaviour	18UCO4N2C			✓		
32	Company Accounting	18UCO5C9					✓
33	Auditing	18UCO5C10		✓			
34	Computer Application in Business with practical	18UCO5C11T 18UCO5C11P				✓	
35	Financial Management	18UCO5C12			✓		
36	Human Resource Management	18UCO5M1A	✓				
37	Retail Marketing	18UCO5M1B		✓			
38	Investment Management	18UCO5M1C			✓	✓	
39	Insurance Management	18UCO5S1A		✓			
40	Service Marketing	18UCO5S1B			✓		
41	Internet	18UCO5S1C				✓	
42	.Advertising Management	18UCO5S2A	✓				
43	Sales Management	18UCO5S2B					✓
44	Retail Management	18UCO5S2C		✓			
45	Soft Skill Development	18U5SS				✓	
46	Management Accounting	18UCO6C13			✓		
47	IncomeTax Theory Law and Practice	18UCO6C14	✓				
48	Entrepreneurial Leadership	18UCO6C15					✓
49	Goods and service tax	18UCO6M2A			✓		
50	Introduction to E-Commerce	18UCO6M2B				✓	
51	E-banking	18UCO6M2C		✓			
52	Financial Service in India	18UCO6M3A			✓		
53	Financial Marketing Operation	18UCO6M3B	✓				
54	Indian Banking System	18UCO6M3C					✓
55	Gender Studies	18U6GS		✓			

D. Deepthi
Signature of the Class In Charge

N. Deepalakshmi
Signature of the HOD

Head
Department of Commerce,
Dhanalakshmi Srinivasan College
of Arts and Science for Women,
(Autonomous)
Perambalur - 621 212.

CORE COURSE –III

BUSINESS TOOLS FOR DECISION MAKING

Semester: II

Max. Marks:75

Course Code: 18UCO2C3

Credit: 5

Total Periods : 75

Instruction periods:5

Objective: To understand the business tools for decision making purpose.

UNIT – I

(15 Periods)

Introduction –Tabulation and Classification –Diagrams and Graphs,Measures of central Tendency – Arithmetic Mean,Median,Mode,Geometric Mean –Harmonic Mean.

UNIT – II

(15 Periods)

Measurement of Dispersion –Range –Quartiles-Deviles –Percentiles –Quartile Deviation –Mean Deviation –Standard Deviation – Co-efficient of Variation.

UNIT –III

(15 Periods)

Measurement of Skewness,Karl Person & Bowley Methods – Correlation –Simple Rank – Co-efficient of concurrent Deviation.

UNIT – IV

(15 Periods)

Regression Analysis –Simple Regression Equations – Time series Analysis – Components-Fitting a straight line by method of least square –Moving Average.

UNIT – V

(15 Periods)

Index numbers – Weighted and unweighted – Price Index Numbers –types-tests –Tests in index number time and factor reversal test- cost of living index number – Aggregate method- Family budget method.
(Problem 75% Theory 25%)

TEXT BOOKS:

- 1.Elements of Statistics by S.P.Gupta – Sultan Chand & Sons
- 2.Tools and Decision making by SL Aggarwal and SL Bharadwaj,Kalyan Publishers

REFERENCE BOOKS:



- 1.Business Statistics by PA.Navanitham,Jai Publications,Trichy.
- 2.Elements of Practical Statistics by S.K.Kappor – Oxford and IBHP Publishing company.

COURSE OUTCOMES		
CO NUMBER	CO STATEMENT	KNOWLEDGE LEVEL
CO1	To familiarizes the concept of statistics	K1
CO2	To provide practical exposure on calculation of measures of average	K2
CO3	To provide practical exposure on calculation of measures of correlation and Irrigation.	K2
CO4	To introduce the students about the concept of provability	K2
CO5	To provide practical exposure on calculation of trend analysis	K3

Mapping with program outcomes

OUTCOMES	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	S	S	M
CO3	M	S	S	S	S
CO4	S	M	S	M	S
CO5	S	S	S	S	L

S- STRONG M-MEDIUM L-LOW

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NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.COM Programme : Commerce
 Course Name : Business tools for decision making Course Code : 18UCO2C3
 Course Instructor : S. Mohan. Designation : Assistant Professor

Course Outcome:

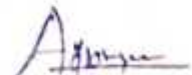
- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
- CO5: To develop the statistical theory and in application of statistical techniques.



Rate the understanding level of the following (Tick the appropriate box)

CO 1	To defining the types and quantity of data need to be collected	
Strong (3)	<input checked="" type="checkbox"/> Medium (2)	Low (1)
CO 2	To organizing and summarizing the data	
Strong (3)	<input checked="" type="checkbox"/> Medium (2)	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.	
Strong (3)	<input checked="" type="checkbox"/> Medium (2)	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.	
Strong (3)	<input checked="" type="checkbox"/> Medium (2)	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.	
Strong (3)	<input checked="" type="checkbox"/> Medium (2)	Low (1)

Date: 10/3/2020.

Name of the student
Adhitya Babu.

Signature of the Student


	<p style="text-align: center;">DIANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212</p>	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.COM Programme : Commerce
 Course Name : Business tools for decision making Course Code : 18UC02C3
 Course Instructor : S. Mohan Designation : Assistant professor

Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
- CO5: To develop the statistical theory and in application of statistical techniques.

Rate the understanding level of the following (Tick the appropriate box)

CO 1	To defining the types and quantity of data need to be collected	
Strong (3)	Medium (2) ✓	Low (1)
CO 2	To organizing and summarizing the data	
Strong (3)	Medium (2) ✓	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.	
Strong (3) ✓	Medium (2)	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.	
Strong (3) ✓	Medium (2)	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.	
Strong (3)	Medium (2) ✓	Low (1)



Date: 10/3/2020

Name of the student

Akna George

Signature of the Student

Akna George

	DIANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Com Programme : Commerce
 Course Name : Business Tools for decision making Course Code : 18UC02L3
 Course Instructor : S. Mohan Designation : Assistant Professor

Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
- CO5: To develop the statistical theory and in application of statistical techniques.

Rate the understanding level of the following (Tick the appropriate box)

CO 1	To defining the types and quantity of data need to be collected		
Strong (3)		Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 2	To organizing and summarizing the data		
Strong (3) <input checked="" type="checkbox"/>		Medium (2)	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.		
Strong (3) <input checked="" type="checkbox"/>		Medium (2)	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.		
Strong (3) <input checked="" type="checkbox"/>		Medium (2)	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.		
Strong (3) <input checked="" type="checkbox"/>		Medium (2)	Low (1)

Date: 10/3/2020 Name of the student

Alana Safu

Signature of the Student

Alana

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B. COM Programme : Commerce
 Course Name : Business tools for decision making Course Code : 18UCO2C3
 Course Instructor : S. Mohan Designation : Assistant Professor

Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
- CO5: To develop the statistical theory and in application of statistical techniques.

Rate the understanding level of the following (Tick the appropriate box)

CO 1	To defining the types and quantity of data need to be collected	
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 2	To organizing and summarizing the data	
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.	
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.	
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.	
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)

Date:



10/3/2020

Name of the student

Anna Harupa Nelson

Signature of the Student

Anna

	DIANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : *B.com* Programme : *Commerce*
 Course Name : *Business tools for decision Making* Course Code : *18UCO213*
 Course Instructor : *S Mohan* Designation : *Assistant professor*

Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
- CO5: To develop the statistical theory and in application of statistical techniques.

Rate the understanding level of the following (Tick the appropriate box)

CO 1	To defining the types and quantity of data need to be collected		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 2	To organizing and summarizing the data		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)



Date: *10/3/2020*

Name of the student

S. Archana

Signature of the Student

Sachin

	<p style="text-align: center;">DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212</p>	
NAAC	CRITERIA - II	METRIU 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Com Programme : Commerce
 Course Name : Business tools for decision making Course Code : 18UC02C3
 Course Instructor : S. Nithan Designation : Assistant Professor



Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
- CO5: To develop the statistical theory and in application of statistical techniques.

Rate the understanding level of the following (Tick the appropriate box)

CO 1	To defining the types and quantity of data need to be collected	
Strong (3)	Medium (2) ✓	Low (1)
CO 2	To organizing and summarizing the data	
Strong (3)	Medium (2) ✓	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.	
Strong (3) ✓	Medium (2)	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.	
Strong (3) ✓	Medium (2)	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.	
Strong (3) ✓	Medium (2)	Low (1)

Date: 10/3/2020 . Name of the student Sandheya c. Signature of the Student Sandheya c.

	<p style="text-align: center;">DIHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212</p>	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.com Programme : Commerce
 Course Name : Business tools for decision making Course Code : 18UCO2C3
 Course Instructor : S. Mohan Designation : Assistant Professor

Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
- CO5: To develop the statistical theory and in application of statistical techniques.

Rate the understanding level of the following (Tick the appropriate box)



CO 1	To defining the types and quantity of data need to be collected	
Strong (3)	Medium (2)	Low (1)
CO 2	To organizing and summarizing the data	
Strong (3)	Medium (2)	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.	
Strong (3)	Medium (2)	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.	
Strong (3)	Medium (2)	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.	
Strong (3)	Medium (2)	Low (1)

Date: 10/3/2020 Name of the student

Saranya Devi

Signature of the Student

Saranya

	DIHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.COM Programme : Commerce
 Course Name : Business tools for decision making Course Code : 18UC02C3
 Course Instructor : S. Mohan Designation : Assistant Professor

Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
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CO 1	To defining the types and quantity of data need to be collected	
Strong (3)	Medium (2) ✓	Low (1)
CO 2	To organizing and summarizing the data	
Strong (3)	Medium (2) ✓	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.	
Strong (3)	Medium (2) ✓	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.	
Strong (3) ✓	Medium (2)	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.	
Strong (3) ✓	Medium (2)	Low (1)



Date: 10/3/2020

Name of the student

E. Saranya

Signature of the Student

Saranya

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.COM Programme : Commerce
 Course Name : Business tools for decision making Course Code : 18UC02C3
 Course Instructor : S. Mohan Designation : Assistant professor

Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
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Strong (3)	<input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/> Low (1) <input type="checkbox"/>
CO 2	To organizing and summarizing the data	
Strong (3)	<input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/> Low (1) <input type="checkbox"/>
CO 3	To analyzing the data and draw the conclusions from it.	
Strong (3)	<input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/> Low (1) <input type="checkbox"/>
CO 4	To understand the fundamental concepts in probability and statistics.	
Strong (3)	<input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/> Low (1) <input type="checkbox"/>
CO 5	To develop the statistical theory and in application of statistical techniques.	
Strong (3)	<input type="checkbox"/>	Medium (2) <input checked="" type="checkbox"/> Low (1) <input type="checkbox"/>



Date: 10/3/2020

Name of the student

K. Saranya

Signature of the Student

K. Saranya

	<p style="text-align: center;">DIHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212</p>	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B. COM Programme : commerce
 Course Name : Business tools for decision making Course Code : 18UCO2C3
 Course Instructor : S. Mohan Designation : Assistant Professor

Course Outcome:

- CO1: To defining the types and quantity of data need to be collected
- CO2: To organizing and summarizing the data
- CO3: To analyzing the data and draw the conclusions from it.
- CO4: To understand the fundamental concepts in probability and statistics.
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Rate the understanding level of the following (Tick the appropriate box)

CO 1	To defining the types and quantity of data need to be collected	
Strong (3) ✓	Medium (2)	Low (1)
CO 2	To organizing and summarizing the data	
Strong (3) ✓	Medium (2)	Low (1)
CO 3	To analyzing the data and draw the conclusions from it.	
Strong (3) ✓	Medium (2)	Low (1)
CO 4	To understand the fundamental concepts in probability and statistics.	
Strong (3) ✓	Medium (2)	Low (1)
CO 5	To develop the statistical theory and in application of statistical techniques.	
Strong (3) ✓	Medium (2)	Low (1)



Date: 10/3/2020

Name of the student

Sarumathi

Signature of the Student

Sarumathi

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NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template



Degree : B.Com Programme : Commerce
 Course Name : Business tools for decision making Course Code : 18UC0203.
 Course Instructor : S. Mohan Designation : Assistant Professor

S. NO.	REG. NO	NAME OF THE STUDENT	CO1	CO2	CO3	CO4	CO5
1	U19COM003	ADITHYA BABU	3	3	3	3	3
2	U19COM004	AKXA GEORGE	2	2	3	3	2
3	U19COM005	ALEENA SAJU	2	3	3	3	3
4	U19COM006	ANNA MARIYATELSON	2	2	2	2	2
5	U19COM007	ARCHANA.S	3	3	3	3	3
6	U19COM030	SANDHIYA.C	2	2	3	3	3
7	U19COM031	SARANYA DEVI.G	3	3	3	3	3
8	U19COM032	SARANYA.E	2	2	2	3	3
9	U19COM033	SARANYA.K	3	3	3	2	2
10	U19COM034	SARUMATHI.M	3	3	3	3	3
SUM			25	30	28	28	27
AVERAGE			2.5	3	2.8	2.8	2.7
PERCENTAGE OF THE COURSE OUTCOME			83.3	100	84	84	90


 Course Instructor Signature


 HOD Signature

Head
 Department of Commerce,
 Dhanalakshmi Srinivasan College
 of Arts and Science for Women,
 (Autonomous)
 Perambalur - 621 212.

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NAAC	CRITERIA – II	METRIC 2.6.2

MAPPING OF COURSES WITH PROGRAMME OUTCOME (2020 - 2021)

DEPARTMENT : *Computer Science* PROGRAM : *UG / PG (3 / 2 YEARS)*

S. NO.	COURSE NAME	COURSE CODE	PO1	PO2	PO3	PO4	PO5
1	Basic Computer Concepts	18UCS1C1	✓	✓	✓		
2	Computer Basics and Animation Lab	18UCS1C2P		✓	✓	✓	
3	Algebra and Calculus	18UCS1A1	✓	✓	✓		
4	Numerical Analysis and Statistics	18UCS1A2	✓	✓	✓		
5	Programming in C Language	18UCS2C3		✓	✓	✓	
6	Programming in C Lab	18UCS2C4P	✓	✓	✓		
7	Programming in C++	18UCS3C5		✓	✓	✓	
8	Programming in C++ Lab	18UCS3C6P			✓	✓	✓
9	Java Programming	18UCS4C7	✓	✓	✓		
10	Java Programming Lab	18UCS4C8P	✓	✓	✓		
11	Data Base Management System	18UCS5C9		✓	✓	✓	
12	RDBMS Lab	18UCS5C10P	✓	✓	✓		
13	Operating System	18UCS5C11	✓	✓	✓		
14	Data Structure and Algorithm	18UCS5C12	✓	✓	✓		
15	Cryptography	18UCS5M1A		✓	✓	✓	
16	Computer Graphics and Multimedia	18UCS5M1B			✓	✓	✓
17	Fundamentals of Software Engineering	18UCS5M1C	✓	✓	✓		
18	Page Maker	18UCS5S1A	✓	✓	✓		
19	Corel Draw	18UCS5S1B		✓	✓	✓	
20	Flash	18UCS5S1C	✓	✓	✓		
21	Dream Weaver	18UCS5S2A	✓	✓	✓		



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Perambalur - 621212



NAAC

CRITERIA - II

METRIC 2.6.2



22	Illustrator	18UCS5S2B	✓	✓	✓		
23	Indesign	18UCS5S2C		✓	✓	✓	
24	Php Scripting Language	18UCS6C13			✓	✓	✓
25	Php Lab	18UCS6C14P		✓	✓	✓	
26	Networking	18UCS6C15	✓	✓	✓		
27	Digital Computer Fundamentals & Microprocessor	18UCS6M2A		✓	✓		
28	Dot Net Concepts	18UCS6M2B	✓	✓	✓		
29	Linux Administration	18UCS6M2C	✓	✓	✓		
30	Mini Project (in-houseproject)	18UCS6M3PW		✓	✓	✓	
31	LINUX LAB	18UCS6M3P1		✓	✓	✓	
32	Multimedia Lab	18UCS6M3P2	✓	✓	✓		

Dinesh

Signature of the Class In Charge

Signature of the HOD

HEAD
DEPARTMENT OF COMPUTER SCIENCE
DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN,
(AUTONOMOUS)
PERAMBALUR - 621 212.

 <p>NAAC</p>	<p align="center">DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS)</p> <p align="center">Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212</p>	
<p align="center">CRITERIA - II</p>		<p align="center">METRIC 2.6.2</p>

ATTAINMENT OF COURSE OUTCOME
Course End Survey Template

Degree : B-Sc-1 **Programme** : CS

Course Name : C++ **Course Code** : 18UC5305

Course Instructor : Dr. Dinesh **Designation** : Asst. prof.

Course Outcome:



- CO1: Learn the basic concepts in C++ Programming
- CO2: Understand the principles of Object Oriented Concepts
- CO3: Be skillful in writing C++ code using classes objects and functions
- CO4: Know the Core concepts of OOPS such as Constructors and Inheritance
- CO5: Understand the concept of streams and file management in C++

Rate the understanding level of the following (Tick the appropriate box)

CO 1	Learn the basic concepts in C++ Programming	Strong (3)	Medium (2) ✓	Low (1)
CO 2	Understand the principles of Object Oriented Concepts	Strong (3) ✓	Medium (2)	Low (1)
CO 3	Understand the principles of Object Oriented Concepts	Strong (3) ✓	Medium (2)	Low (1)
CO 4	Know the Core concepts of OOPS such as Constructors and Inheritance	Strong (3) ✓	Medium (2)	Low (1)
CO 5	Understand the concept of streams and file management in C++	Strong (3)	Medium (2) ✓	Low (1)

Date: 11-12-2020. MAHALAKSHMI.T
Name of the student

Mahalakshmi.T
Signature of the Student

	<p style="text-align: center;">DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS)</p> <p style="text-align: center;">Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212</p>	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc Programme : CS
 Course Name : C++ Course Code : 18UCS305
 Course Instructor : Dr. Dinesh Designation : Asst. Prof.

Course Outcome:

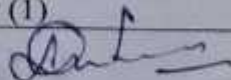
- CO1: Learn the basic concepts in C++ Programming
- CO2: Understand the principles of Object Oriented Concepts
- CO3: Be skillful in writing C++ code using classes objects and functions
- CO4: Know the Core concepts of OOPS such as Constructors and Inheritance
- CO5: Understand the concept of streams and file management in C++



Rate the understanding level of the following (Tick the appropriate box)

CO 1	Learn the basic concepts in C++ Programming	Strong (3)	Medium (2)	Low (1)
CO 2	Understand the principles of Object Oriented Concepts	Strong (3)	Medium (2)	Low (1)
CO 3	Understand the principles of Object Oriented Concepts	Strong (3)	Medium (2)	Low (1)
CO 4	Know the Core concepts of OOPS such as Constructors and Inheritance	Strong (3)	Medium (2)	Low (1)
CO 5	Understand the concept of streams and file management in C++	Strong (3)	Medium (2)	Low (1)

Date: 11.12.20

Delsiya EB
Name of the student


 Signature of the Student

	<p style="text-align: center;">DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS)</p> <p style="text-align: center;">Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212</p>	
NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc Programme : CS
 Course Name : C++ Course Code : 180CS305
 Course Instructor : Dr. Dinech Designation : Asst. Prof

Course Outcome:

- CO1: Learn the basic concepts in C++ Programming
- CO2: Understand the principles of Object Oriented Concepts
- CO3: Be skillful in writing C++ code using classes objects and functions
- CO4: Know the Core concepts of OOPS such as Constructors and Inheritance
- CO5: Understand the concept of streams and file management in C++



Rate the understanding level of the following (Tick the appropriate box)

CO 1	Learn the basic concepts in C++ Programming	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)
CO 2	Understand the principles of Object Oriented Concepts	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)
CO 3	Understand the principles of Object Oriented Concepts	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)
CO 4	Know the Core concepts of OOPS such as Constructors and Inheritance	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)
CO 5	Understand the concept of streams and file management in C++	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)

Date: 11.12.20

K. Gowdalyan
Name of the student

K. Gowdalyan
Signature of the Student

	<p style="text-align: center;">DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS)</p> <p style="text-align: center;">Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212</p>	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc., Programme : CS
 Course Name : C++ Course Code : 18UCS305
 Course Instructor : Dr. Dinesh Designation : Asst. Prof

Course Outcome:

- CO1: Learn the basic concepts in C++ Programming
- CO2: Understand the principles of Object Oriented Concepts
- CO3: Be skillful in writing C++ code using classes objects and functions
- CO4: Know the Core concepts of OOPS such as Constructors and Inheritance
- CO5: Understand the concept of streams and file management in C++



Rate the understanding level of the following (Tick the appropriate box)

CO 1	Learn the basic concepts in C++ Programming	Strong (3) <input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/>	Low (1) <input type="checkbox"/>
CO 2	Understand the principles of Object Oriented Concepts	Strong (3) <input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/>	Low (1) <input type="checkbox"/>
CO 3	Understand the principles of Object Oriented Concepts	Strong (3) <input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/>	Low (1) <input type="checkbox"/>
CO 4	Know the Core concepts of OOPS such as Constructors and Inheritance	Strong (3) <input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/>	Low (1) <input type="checkbox"/>
CO 5	Understand the concept of streams and file management in C++	Strong (3) <input checked="" type="checkbox"/>	Medium (2) <input type="checkbox"/>	Low (1) <input type="checkbox"/>

Date: 11-12-2020

J. Jyothilakshmi
Name of the student

J. Jyothilakshmi
Signature of the Student

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : *B.Sc* Programme : *CS*
 Course Name : *C++* Course Code : *18UCS305*
 Course Instructor : *Dr. Dinesh* Designation : *ASS T. PROF*

Course Outcome:

- CO1: Learn the basic concepts in C++ Programming
- CO2: Understand the principles of Object Oriented Concepts
- CO3: Be skillful in writing C++ code using classes objects and functions
- CO4: Know the Core concepts of OOPS such as Constructors and Inheritance
- CO5: Understand the concept of streams and file management in C++



Rate the understanding level of the following (Tick the appropriate box)

CO 1	Learn the basic concepts in C++ Programming		
Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)	
CO 2	Understand the principles of Object Oriented Concepts		
Strong (3) <input checked="" type="checkbox"/>	Medium (2)	Low (1)	
CO 3	Understand the principles of Object Oriented Concepts		
Strong (3) <input checked="" type="checkbox"/>	Medium (2)	Low (1)	
CO 4	Know the Core concepts of OOPS such as Constructors and Inheritance		
Strong (3) <input checked="" type="checkbox"/>	Medium (2)	Low (1)	
CO 5	Understand the concept of streams and file management in C++		
Strong (3) <input checked="" type="checkbox"/>	Medium (2)	Low (1)	

Date: *11.12.2020*

K RISHINAPRIYA V P
Name of the student

V.P. Keishnapriya
Signature of the Student

 KNOWLEDGE IS POWER	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212	
NAAC	CRITERIA - II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc Programme : CS
 Course Name : C++ Course Code : 18 UCS 305
 Course Instructor : Dr. Dineesh Designation : Asst. prof

Course Outcome:

- CO1: Learn the basic concepts in C++ Programming
- CO2: Understand the principles of Object Oriented Concepts
- CO3: Be skillful in writing C++ code using classes objects and functions
- CO4: Know the Core concepts of OOPS such as Constructors and Inheritance
- CO5: Understand the concept of streams and file management in C++

Rate the understanding level of the following (Tick the appropriate box)

CO 1	Learn the basic concepts in C++ Programming	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)
CO 2	Understand the principles of Object Oriented Concepts	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)
CO 3	Understand the principles of Object Oriented Concepts	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)
CO 4	Know the Core concepts of OOPS such as Constructors and Inheritance	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)
CO 5	Understand the concept of streams and file management in C++	<input checked="" type="checkbox"/> Strong (3)	<input type="checkbox"/> Medium (2)	<input type="checkbox"/> Low (1)

Date: 11.12.20

S. Kavipriya
Name of the student

S. Kavipriya
Signature of the Student

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NAAC	CRITERIA – II	METRIC 2.6.2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc., Programme : CC.
 Course Name : C++ Course Code : 18UCS3C5
 Course Instructor : Dr. Dinesh Designation : Asst. prof.

Course Outcome:

- CO1: Learn the basic concepts in C++ Programming
- CO2: Understand the principles of Object Oriented Concepts
- CO3: Be skillful in writing C++ code using classes objects and functions
- CO4: Know the Core concepts of OOPS such as Constructors and Inheritance
- CO5: Understand the concept of streams and file management in C++



Rate the understanding level of the following (Tick the appropriate box)

CO 1	Learn the basic concepts in C++ Programming		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 2	Understand the principles of Object Oriented Concepts		
Strong (3)	<input type="checkbox"/>	Medium (2)	<input checked="" type="checkbox"/>
CO 3	Understand the principles of Object Oriented Concepts		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 4	Know the Core concepts of OOPS such as Constructors and Inheritance		
Strong (3)	<input type="checkbox"/>	Medium (2)	<input checked="" type="checkbox"/>
CO 5	Understand the concept of streams and file management in C++		
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)

Date: 11.12.2020

D. E. V. S
Name of the student

D. E. V. S
Signature of the Student

 NAAC	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) Affiliated to Bharathidasan University, Tiruchirappalli (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur - 621212	 METRIC 2.6.2
CRITERIA - II		

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc., Programme : CS
 Course Name : C++ Course Code : 18UCS3C5
 Course Instructor : Dr. Dinah Designation : Asst. prof.

Course Outcome:

- CO1: Learn the basic concepts in C++ Programming
- CO2: Understand the principles of Object Oriented Concepts
- CO3: Be skillful in writing C++ code using classes objects and functions
- CO4: Know the Core concepts of OOPS such as Constructors and Inheritance
- CO5: Understand the concept of streams and file management in C++



Rate the understanding level of the following (Tick the appropriate box)

CO 1	Learn the basic concepts in C++ Programming	Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 2	Understand the principles of Object Oriented Concepts	Strong (3) <input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 3	Understand the principles of Object Oriented Concepts	Strong (3) <input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 4	Know the Core concepts of OOPS such as Constructors and Inheritance	Strong (3)	Medium (2) <input checked="" type="checkbox"/>	Low (1)
CO 5	Understand the concept of streams and file management in C++	Strong (3) <input checked="" type="checkbox"/>	Medium (2)	Low (1)

Date: 11-12-2020

Indhumathi . v
Name of the student

Indhumathi . v
Signature of the Student

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NAAC	CRITERIA - II	METRIC 2.6.2


ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc,
 Course Name : C++
 Course Instructor : Dr. Dinech

Programme : CS
 Course Code : 18VCS3C5
 Designation : Asst. Prof.



S. NO.	REG. NO	NAME OF THE STUDENT	CO1	CO2	CO3	CO4	CO5
1	U19CS012	DELSHYA E B	3	2	2	3	2
2	U19CS014	DEVI S	3	2	3	2	3
3	U19CS016	DHARSHINI S	3	3	3	2	3
4	U19CS022	GOWSALYA K	3	3	3	3	3
5	U19CS023	INDHUMATHI V	2	3	3	2	3
6	U19CS026	JYOTHILAKSHMI J	3	3	2	3	3
7	U19CS028	KAVIPRIYA S	3	3	3	3	3
8	U19CS030	KRISHNAPRIYA V P	2	3	3	3	3
9	U19CS032	MAHALAKSHMI T	2	3	3	3	2
10	U19CS035	NARMATHA P	2	3	3	2	3
SUM			26	28	28	26	28
AVERAGE			2.6	2.8	2.8	2.6	2.8
PERCENTAGE OF THE COURSE OUTCOME			87	93	93	87	93



Course Instructor Signature

HOD Signature

HEAD
 DEPARTMENT OF COMPUTER SCIENCE
 DHANALAKSHMI SRINIVASAN COLLEGE
 OF ARTS & SCIENCE FOR WOMEN,
 (AUTONOMOUS)
 PERAMBALUR - 621 212.

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NAAC	CRITERIA - II	METRIC 2.A.2

MAPPING OF COURSES WITH PROGRAMME OUTCOME (2020 - 2021)

DEPARTMENT : BIOTECHNOLOGY PROGRAM : UG (3 YEARS)

S. NO.	COURSE NAME	COURSE CODE	PO1	PO2	PO3	PO4	PO5
1	Tamil- Cheyyul Edikaikalakalyanam),Sivakathai,Elakkyavaralar/ Hindi/French/Arabic/Sanskrit	1BU1LT1 1BU1LH1 1BU1LF1 1BU1LA1 1BU1LS1	✓				
2	English for Communication-I	1BU1EL1		✓			
3	Cellbiology	1BU1BT1C1				✓	
4	Laboratorybiology	1BU1BT1C2P			✓		
5	Biochemistry	1BU1BT1A1			✓		
6	Labs in Biochemistry and Immunology	1BU1BT1A2P				✓	
7	Environmental studies	1BU1EVS	✓				
8	Tamil- Cheyyul Edikaikalakalyanam),Pudumatti Hindi/French/Arabic/ Sanskrit	1BU2LT2 1BU2LH2 1BU2LF2 1BU2LA2 1BU2LS2	✓				
9	English for Communication-II	1BU2EL2		✓			
10	Microbiology	1BU1BT2C1				✓	
11	Laboratory Microbiology	1BU1BT2C4P	✓				
12	Laboratory Biochemistry and Immunology	1BU1BT1A2P				✓	
13	Immunology	1BU1BT2A3		✓			
14	Value Education	1BU2VED					✓
15	Tamil- Cheyyul Edikaikalakalyanam),Urutnadu,adavaimunam adaigal,Elakkyavaralar Hindi/French/Arabic/Sanskrit	1BU3LT3 1BU3LH3 1BU3LF3 1BU3LA3 1BU3LS3	✓				
16	English-English through literature						✓

CORE COURSE-III
MICROBIOLOGY

Semester: II

Course code: 18UBT2C3

Total Hours: 90

Max mark:100(Int:25,Ex:75)

Credit:5

Exam hrs : 3

OBJECTIVES: This course presents the study of Microorganisms and aimed to give a detailed understanding about types, classification and characterization of microbes and their applications.

UNIT I

FUNDAMENTALS OF MICROBIOLOGY

18

Microbial Diversity, History and Scope of Microbiology, Branches of Microbiology, Contribution of Scientists in The Field of Microbiology (Antony Von Leeuwenhoek, Edward, Jenner, Lazarospallanzani, Louis Pasteur, Joseph Lister, Robert Koch, Alexander Flemming and Lwanovsky), Types of Microbes:Structure, Growth and Reproduction of the Various Bacteria, Fungi, Protozoa, Viruses, Viroids, Prions and Parasites.

UNIT II:

MICROBIAL PHYSIOLOGY

18

Biomolecules – Carbohydrates, Lipids and Proteins; Enzymes – Properties, Nomenclature, Classification and Mechanism of Enzyme action and Factors influencing Enzymes Activity; Nitrogen Metabolism - Nitrogen Fixation (Symbiotic and Asymbiotic), Secondary Metabolism; Fermentation – Fermentative Modes in Microbes; Nutrition - Photo-Autotrophs, Chemoautotrophs, Parasitism, Saprophytism, Mutualism and Symbiosis, Commensalism, Endozoic Microbes; Microbial Pathogens - Plants, Animals and Humans.

UNIT III:

MICROBIAL TECHNIQUES

18

Microbiological Media: Types, Preparation, Methods of Sterilization; Enumeration of Microorganisms in Soil, Water and Air; Isolation of Microorganisms from Environment and Infected Tissue; Techniques of Pure Culture, Maintenance and Preservation; Staining: Stains and Types of Staining - Simple Staining, Differential Staining and Structural Staining.

UNIT IV

INSTRUMENTATION OF MICROBIOLOGY

18

Basic Principles in Microscopy - Resolving Power, Numerical Aperture, Working Distance and Magnification. Principles of Photomicrography. Working Principles and Applications of - Light, Dark, Phase Contrast, Fluorescent and Electron Microscope-(Transmission and Scanning Electron)

ATTAINMENT OF COURSE OUTCOME
Course End Survey Template

Degree : B.Sc.,
 Course Name : microbiology
 Course Instructor : R. Chelvarajan.
 Programme : biotechnology
 Course Code : 18.0872C3
 Designation : ASSI-professor

Course Outcome: Learn scope of microbiology and history and kingdom concept
 CO1: of living organisms
 CO2: study various microscopy & working principles
 CO3: summarize structural organization of bacteria, virus, protozoa
 CO4: & Actinomycetes and their reproduction
 CO5: the methods involved in mass production and sterilization
 learn the vitamins and minerals function in biology

Rate the understanding level of the following (Tick the appropriate box)

CO 1		
Strong (3)	Medium (2)	Low (1)

CO 2		
Strong (3)	Medium (2)	Low (1)

CO 3		
Strong (3)	Medium (2)	Low (1)

CO 4		
Strong (3)	Medium (2)	Low (1)

CO 5		
Strong (3)	Medium (2)	Low (1)

Abhinav R

Date: 15/3/2021 Name of the student

Signature of the Student



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CRITERIA - II

METRIC 2.6.2

DHANALAKSHMI SRINIVASAN
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ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc., Programme : biotechnology
 Course Name : microbiology Course Code : BUBT2C3
 Course Instructor : R. chidambaram Designation : ASST. PROFESSOR

Course Outcome: Learn steps of microbiology & history & kingdom concept
 CO1: of living organisms.

CO2: study various microscopy & working principles.

CO3: summarize structural organization of bacteria, virus,

CO4: protozoa & Actinomyces and their reproduction.

CO5: the methods involved in media preparation & sterilization
 Learn the vitamins & enzymes function in biology.

Rate the understanding level of the following (Tick the appropriate box)

CO 1			
Strong (3)	✓	Medium (2)	Low (1)
CO 2			
Strong (3)		Medium (2) →	Low (1)
CO 3			
Strong (3) →		Medium (2)	Low (1)
CO 4			
Strong (3)		Medium (2) →	Low (1)
CO 5			
Strong (3)	✓	Medium (2)	Low (1)

Arul Jothiv...

Date: 15.3.2021 Name of the student

Arul Jothiv...

Signature of the Student



NAAC

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METRIC 2A2

CRITERIA - II

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree

: B.Sc.

Course Name

: microbiology

Programme

: biotechnology

Course Instructor

: R. chelva rajan

Course Code

: 18UB.T2.C3.

Designation

: Asst. Professor

Course Outcome: learn scope of microbiology and history and Kingdom concept
CO1: of living organisms

CO2: Study various microscopy & working principles

CO3: Summarize structural organisms of bacteria, Virus, Protozoa

CO4: Antimicrobials and their reproduction

CO5: the methods involved in media preparation and sterilization

CO5: learn the vitamins and minerals function in biology

Rate the understanding level of the following (Tick the appropriate box)

CO 1		
Strong (3)	Medium (2)	Low (1)
CO 2		
Strong (3)	Medium (2)	Low (1)
CO 3		
Strong (3)	Medium (2)	Low (1)
CO 4		
Strong (3)	Medium (2)	Low (1)
CO 5		
Strong (3)	Medium (2)	Low (1)

Date: 15.3.2021

AVANTHIKA

Name of the student

Avanthika
Signature of the Student



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CRITERIA - II

METRIC 3A2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree

: B.Sc.

Programme

: *Biochemistry*

Course Name

: *Microbiology*

Course Code

: *BS1203*

Course Instructor

: *P. Chandrasekar*

Designation

: *Asst professor*

Course Outcomes: *General scope of Microbiology and Kingdom (course)*
 CO1: *Study of microorganisms*
 CO2: *Study of various microorganisms and their characteristics*
 CO3: *Study of various microorganisms and their characteristics, virus, fungi, bacteria*
 CO4: *Study of various microorganisms and their characteristics, virus, fungi, bacteria*
 CO5: *Study of various microorganisms and their characteristics, virus, fungi, bacteria*

Rate the understanding level of the following (Tick the appropriate box)

CO 1			
Strong (3)	✓	Medium (2)	Low (1)
CO 2			
Strong (3)	✓	Medium (2)	Low (1)
CO 3			
Strong (3)	✓	Medium (2)	Low (1)
CO 4			
Strong (3)	✓	Medium (2)	Low (1)
CO 5			
Strong (3)	✓	Medium (2)	Low (1)

Praveen M

Date: *15.3.2021* Name of the student

Praveen M
 Signature of the Student



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CRITERIA - II

METRIC 2A2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc.
Course Name : Microbiology
Course Instructor : A. Chelvaigovani
Programme : Biotechnology
Course Code : 18 UBT 203
Designation : Asst Professor

Course Outcome: Learn scope of microbiology and history and kingdom

CO1: Concept of life organisms.

CO2: Study various microscopy & working principles.

CO3: Summarize structural organization of bacteria, viruses, protozoa & helminths and their reproduction.

CO4: The method involved in media preparation and sterilization.

CO5: Learn the structure and microbial function in biology.

Rate the understanding level of the following (Tick the appropriate box)

CO 1			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 2			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 3			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 4			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 5			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)

Date: 5/3/2021
Name of the student

Apa Banu . N

Apa Banu . N

Signature of the Student

CRITERIA - II

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc
 Course Name : microbiology
 Course Instructor : R. chelawajam
 Programme : biotechnology
 Course Code : 19 UBTD203
 Designation : Asst. professor

Course Outcome: Learn Deep Microbiology and history and Kingdom concept of
 CO1: Living Organisms
 CO2: Study various properties of working Principles
 CO3: Distinguish Structural organization of bacteria, virus, Protozoa & Algae
 CO4: The method involved in media preparation and sterilization
 CO5: Learn the vitamins and minerals function in biology.

Rate the understanding level of the following (Tick the appropriate box)

CO 1			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 2			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 3			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 4			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 5			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)

Date: 15-3-2021

 Arumuganathan Bannu . A.
 Name of the student

Signature of the Student



NAAC

CRITERIA - II

METRIC 2A.2



**DHANALAKSHMI SRINIVASAN
COLLEGE OF ARTS AND SCIENCE FOR WOMEN
(AUTONOMOUS)**
Affiliated to Bharathidasan University, Tiruchirappalli
(Nationally Re-Accredited with 'A' Grade by NAAC)
Perambalur - 621212

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc
Course Name : Microbiology
Course Instructor : R. Cholanayakan
Programme : Biotechnology
Course Code : 18UBT223
Designation : Asst. Professor

Course Outcome: Learn scope of microbiology and history and kingdom concept of living organism.

CO1: Study various Microscopy & working principles

CO2: Summarize structural organization of bacteria, virus, protozoa & Petchomyces and their reproduction.

CO3: The methods involved in media preparation and sterilization.

CO4: Learn the vitamins and minerals function in biology.

CO5: Learn the vitamins and minerals function in biology.

Rate the understanding level of the following (Tick the appropriate box)

CO 1			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 2			
Strong (3)	<input type="checkbox"/>	Medium (2)	Low (1)
CO 3			
Strong (3)	<input type="checkbox"/>	Medium (2)	Low (1)
CO 4			
Strong (3)	<input type="checkbox"/>	Medium (2)	Low (1)
CO 5			
Strong (3)	<input type="checkbox"/>	Medium (2)	Low (1)

Date: 15.3.2021

ALEENAA - J

Name of the student

Aleena J
Signature of the Student



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 Perambalur - 621212



CRITERIA - II

METRIC 1A2

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc
 Course Name : Microbiology
 Course Instructor : R. Chidambaram
 Programme : Microbiology
 Course Code : BBT203
 Designation : Asst Professor

Course Outcome: Learn scope of microbiology and history and kingdom

- CO1: concept of living organisms
 CO2: study various microbial grouping principles
 CO3: summarize structural organization of bacteria, virus, protozoa
 CO4: methods, sites and media preparation
 CO5: learn the vitamins and minerals function in biology

Rate the understanding level of the following (Tick the appropriate box)

CO 1 Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	<input type="checkbox"/>	Low (1)
CO 2 Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	<input type="checkbox"/>	Low (1)
CO 3 Strong (3)	<input type="checkbox"/>	Medium (2)	<input checked="" type="checkbox"/>	Low (1)
CO 4 Strong (3)	<input type="checkbox"/>	Medium (2)	<input checked="" type="checkbox"/>	Low (1)
CO 5 Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	<input type="checkbox"/>	Low (1)

Date: 15.03.2021

DIVA DEEPA PRASAD
 Name of the student

Diva Deepa Prasad
 Signature of the Student

NAAC	CRITERIA - II	METRIC 2.6.2
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ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc
Course Name : Microbiology
Course Instructor : R. Chelairajan
Programme : biotechnology
Course Code : 18 UBT2C3
Designation : Asst. Professor

Course Outcome: Learn scope of Microbiology and history and kingdom.
 CO1: concept of living organisms.
 CO2: Study various Microscopy & working principles
 CO3: Summarize structural Organization of bacteria, virus, protozoa.
 CO4: & Actinomycetes and their reproduction.
 CO5: The method involved in media preparation and sterilization.
 Learn the vitamins and minerals function in biology.

Rate the understanding level of the following (Tick the appropriate box)

CO 1			
Strong (3)	✓	Medium (2)	Low (1)
CO 2			
Strong (3)		Medium (2) ✓	Low (1)
CO 3			
Strong (3) ✓		Medium (2)	Low (1)
CO 4			
Strong (3)		Medium (2) ✓	Low (1)
CO 5			
Strong (3) ✓		Medium (2)	Low (1)

ALEXANDRA MATTEW

Date: 15.3.2021 **Name of the student**


Signature of the Student



CRITERIA - II

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B. Bc.
 Course Name : microbiology
 Course Instructor : R. chidambaram
 Programme : biotechnology
 Course Code : IBUBTRC3
 Designation : Asst. professor.

Course Outcome:

- CO1: basic steps of microbiology antibiotic and kingdom concept of living organism
 CO2: Study various microscopy & staining principles
 CO3: summarize functional organization of bacteria. Virus, protozoa & acinomyeta
 CO4: the methods involved in media preparation and sterilization
 CO5: discuss the vitamins and minerals function in biology

Rate the understanding level of the following (Tick the appropriate box)

CO 1			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 2			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 3			
Strong (3)		Medium (2)	Low (1)
CO 4			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)
CO 5			
Strong (3)	<input checked="" type="checkbox"/>	Medium (2)	Low (1)

Date: 15.3.2021 Name of the student: Aoya Dhanashaniv

Signature of the Student:



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CRITERIA - II

METRIC 242

ATTAINMENT OF COURSE OUTCOME

Course End Survey Template

Degree : B.Sc., Programme : Biotechnology
Course Name : Microbiology Course Code : 18UB51203
Course Instructor : R.Cholairajan Designation : Asst. Professor.

S. NO.	REG. NO	NAME OF THE STUDENT	CO1	CO2	CO3	CO4	CO5
1	U20B51001	M. Abirani	3	3	3	2	3
2	U20B51003	V. Arul Jothi	3	3	3	2	3
3	U20B51008	Ayankika. K	3	3	2	2	3
4	U20B51001	N. Binaya	3	2	3	2	3
5	U20B51003	N. Priya	3	3	2	3	2
6	U20B51004	A. Ajmal Nisath Banu	3	2	3	2	2
7	U20B51005	S. Alena	3	3	2	2	3
8	U20B51009	V. Deva Dhanishini	3	2	3	2	3
9	U20B51006	Abne Arpa Mathew	3	2	2	2	3
10	U20B51009	V. Deva Dhanishini	3	2	2	2	2
SUM			30	25	25	22	28
AVERAGE			3.0	2.5	2.5	2.2	2.8
PERCENTAGE OF THE COURSE OUTCOME			100	83	83	73	93

R. Cholairajan
Course Instructor Signature

E. Sagar
HOD Signature

HOD Signature

HEAD

DEPARTMENT OF BIOTECHNOLOGY,
DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS
AND SCIENCE FOR WOMEN (AUTONOMOUS),
PERAMBALUR - 621 212.