# ACTION TAKEN ON FEEDBACK FROM ACADEMIC PEERS

S.NO	FEEDBACK	ACTION TAKEN
1.	Suggestions to make some changes to "II Allied Course – Numerical Analysis and Statistics" syllabus for B.Sc Computer Science by Dr. N.Chandrasekaran, Formerly Reader in Mathematics, St. Joseph's College, Trichy, and presently adjunct faculty, Bharathidasan Instt of Management, Trichy & Bangalore Management Academy, Bangalore on 14.08.2014	The suggestions were forwarded to the Board of Studies in Mathematics(UG) of the Bharathidasan University, by Ms. T.R.Usharani, Head, Dept. of Mathematics of our college - The suggestions were implemented in the 2016-17 syllabus revisions to the B.Sc Computer Science curriculum. The paper which was spread across two semesters was restricted to one semester with only elements of Statistics
2.	Suggestions for Inclusion of Data Mining and Big Data Analytics courses in M.Sc curriculum by Dr.M. Balakrishnan, Principal Scientist, ICAR-National Academy of Agricultural Research Management, Hyderabad on 09.07.2015	The suggestions were forwarded to the Board of Studies in Computer Science(PG) of the Bharathidasan University, by Dr. Manimekalai, Chairperson, Board of Studies in Computer Science(PG) on 13.08.2015 <b>The</b> <b>suggestions were implemented in the</b> <b>2016-17 syllabus revisions to the M.Sc</b> <b>Computer Science curriculum.</b>

3.	Suggestions for Revision in Syllabi for M.Sc Information Technology by Dr.M.Pratheepa, Senior Scientist, ICAR-National Bureau of Agricultural Insect Resources, Bengaluru – Inclusion of Internet of Things in the M.Sc I.T curriculum dated 23.10.2015	The suggestions were forwarded to the Board of Studies in Computer Science(PG) of the Bharathidasan University, by Dr. Manimekalai, Chairperson, Board of Studies in Computer Science(PG) on 05.11.2015 <b>The suggestions were implemented in the 2016-17 syllabus revisions to the</b> <b>M.Sc Information Technology</b> <b>curriculum.</b>
4.	Suggestions to include MATLAB practicals and theory in UG Mathematics curriculum by Ms.V.Praba, Associate Professor in Mathematics, Rajalakshmi Engineering College, Chennai, as on 11.09.2015	The suggestions were forwarded to the Board of Studies in Mathematics(UG) of the Bharathidasan University, by Ms. T.R.Usharani, Head, Dept. of Mathematics of our college on 18.09.2015 - <b>The suggestions were implemented in</b> <b>the 2016-17 syllabus revisions to the</b> <b>B.Sc Mathematics curriculum.</b>
5.	Suggestions to include three papers in the B.Sc Fashion Technology & Costume Designing syllabi viz., Sourcing for Apparel Manufacturing, Apparel Merchandising and Apparel Marketing by Mr. G. Ramesh, General Manager, Lifestyle International Pvt. Ltd., Easy buy on 25.07.2018 – Max retail division, Bangalore on	The suggestions were forwarded to the Board of Studies in Fashion Technology & Costume Designing (UG) of the Bharathidasan University by Ms.P.Andal, Chairman, Board of Studies in Fashion Technology & Costume Designing (UG) – <b>The revisions are yet</b> <b>to be implemented</b> .

# BHARATHIDASAN UNIVERSITY, B.Sc. Mathematics



# TIRUCHIRAPPALLI - 620 024. Course Structure under CBCS

(Applicable to the candidates admitted from the academic year 2016 -2017 onwards)

# Updated on 09.07.2018

Sem	Part	Course	Title	Ins. Hrs	Credit	Exam Hours	Ma Int	rks Ext.	Total
	Ι	Language Course – I (LC) – Tamil*/Other Languages +#		6	3	3	25	75	100
	II	English Language Course - I (ELC)		6	3	3	25	75	100
Ι		Core Course – I (CC)	Differential Calculus and Trigonometry	5	5	3	25	75	100
	III	Core Course – II (CC)	Integral Calculus	4	4	3	25	75	100
		First Allied Course – I (AC)		4	4	3	25	75	100
		First Allied Course – II (AP)		3					
	IV	Value Education	Value Education	2	2	3	25	75	100
		TOTAL		30	21				600
	Ι	Language Course – II (LC) - Tamil*/Other Languages +#		6	3	3	25	75	100
	II	English Language Course – II (ELC)		6	3	3	25	75	100
п		Core Course – III (CC)	Differential Equations and Laplace Transforms	5	5	3	25	75	100
	III	Core Course – IV (CC)	Analytical Geometry 3D	4	3	3	25	75	100
		First Allied Course – II (AP)		3	3	3	40	60	100
		First Allied Course – III (AC)		4	2	3	25	75	100
	IV	Environmental Studies	Environmental Studies	2	2	3	25	75	100
		TOTAL							700
	Ι	Language Course – III (LC) Tamil*/Other Languages +#		6	3	3	25	75	100
	Π	English Language Course - III (ELC)		6	3	3	25	75	100
		Core Course – V (CC)	Sequences and Series	5	4	3	25	75	100
		Core Course – VI (CC)	Classical Algebra and Theory of Numbers	4	4	3	25	75	100
	111	Second Allied Course – I (AC)		4	4	3	25	75	100
		Second Allied Course – II (AP)		3					
III	IV	<ul> <li>Non Major Elective I – for those who studied Tamil under Part I</li> <li>a) Basic Tamil for other language students</li> <li>b) Special Tamil for those who</li> </ul>	Quantitative Aptitude I	2	2	3	25	75	100
		studied Tamil upto 10th +2 but opt for other languages in degree programme		30	20				600
		IUIAL		30	40				UUU

	Ι	Language Course –IV (LC) Tamil*/Other Languages +#		6	3	3	25	75	100
	II	English Language Course – IV (ELC)		6	3	3	25	75	100
		Core Course – VII (CC)	Vector Calculus and Fourier Series	4	4	3	25	75	100
	ш	Core Course – VIII (CC)	Linear Algebra	4	4	3	25	75	100
	111	Second Allied Course – II (AP)		3	3	3	40	60	100
		Second Allied Course – III		3	2	3	25	75	100
IV	IV	<ul> <li>Non Major Elective II – for those who studied Tamil under Part I</li> <li>a) Basic Tamil for other language students</li> <li>b) Special Tamil for those who studied Tamil upto 10<sup>th</sup> +2 but opt for other languages in degree programme</li> </ul>	Quantitative Aptitude II	2	2	3	25	75	100
		Skill Based Elective - I	Skill Based Elective - I	2	2	3	25	75	100
	TOTAL		30	) 23			800		
		Core Course – IX (CC)	Numerical Methods with MATLAB Programming	5	4	3	25	75	100
		Core Course – X (CC)	Real Analysis	6	6	3	25	75	100
	Ш	Core Course – XI (CC)	Statics	6	5	3	25	75	100
		Core Practical – I (CP)	Numerical Methods with MATLAB Programming (P)	2	2	3	40	60	100
v		Major Based Elective – I	Operations Research / Stochastic Processes	5	5	3	25	75	100
		Skill Based Elective – II	Skill Based Elective - II	2	2	3	25	75	100
	IV	Skill Based Elective – III	Skill Based Elective - III	2	2	3	25	75	100
		Soft Skills Development	Soft Skills Development	2	2	3	25	75	100
		TOTAL		30	28		1	1	800
		Core Course – XII (CC)	Abstract Algebra	6	5	3	25	75	100
		Core Course – XIII (CC)	Complex Analysis	6	5	3	25	75	100
	TTT	Core Course - XIV (CC)	Dynamics	5	5	3	25	75	100
VI	111	Major Based Elective II	Graph Theory / Mathematical Modelling	6	5	3	25	75	100
		Major Based Elective III	Astronomy / Number Theory	6	5	3	25	75	100
	V	Extension Activities	Extension Activities	-	1	-	-	-	-
	•	Gender Studies Gender Studies			1	3	25	75	100
	TOTAL				27		r		600
		GRAND TOTA	L	180	140	-	-	-	4100

# List of Allied Courses Group I (Any one)

- Physics
   Mathematical Statistics
- 3. Financial Accounting

- **Group II (Any one)** 1. Chemistry 2. Computer Science 3. Management Accounting

### BHARATHIDASAN UNIVERSITY, M.Sc. Computer Science



TIRUCHIRAPPALLI – 620 024. Course Structure under CBCS

### (For the candidates admitted from the academic year 2016-2017 onwards)

## Updated on 12.06.2017

			Ins.	Credit	Exam	Ma	rks	
Sem	m Course Course Title		Hrs /		Hrs	Int.	Ext.	Total
	Mathematical Foundation for		Week		3	25	75	100
	Core Course – I (CC)	Computer Science	0	4	3	23	15	100
	Core Course – II (CC)	Web Technologies	6	4	3	25	75	100
Ι	Core Course – III (CC)	Design and Analysis of Algorithms	6	4	3	25	75	100
	Core Course – IV (CC)	Distributed Operating Systems	6	4	3	25	75	100
	Core Practical – I (CP)	Web Technologies Lab	6	4	3	40	60	100
	T	OTAL	30	20				500
	Core Course – V (CC)	OOAD & UML	6	5	3	25	75	100
	Core Course – VI (CC)	Distributed Technologies	6	5	3	25	75	100
п	Core Practical – II (CP)	Distributed Technologies Lab	6	4	3	40	60	100
11	Elective Course – I (EC)	Any one from the list	6	5	3	25	75	100
	Elective Course – II (EC)	Any one from the list	6	5	3	25	75	100
	TOTAL			24				500
	Core Course – VII (CC)	Data Mining and Ware Housing	6	5	3	25	75	100
	Core Course – VIII (CC)	Compiler Design	6	5	3	25	75	100
тт	Core Practical – III (CP)	Data Mining Lab	6	4	3	40	60	100
111	Elective Course – III (EC)	Any one from the list	6	5	3	25	75	100
	Elective Course – IV (EC)	Any one from the list	6	5	3	25	75	100
	TOTAL			24				500
	Core Course – IX (CC)	Cloud Computing	6	5	3	25	75	100
	Core Course – X (CC)	Wireless Sensor Networks	6	5	3	25	75	100
IV	Core Practical - IV (CP)	Open Source Lab	6	4	3	40	60	100
1 V	Elective Course – V (EC)	Any one from the list	6	4	3	25	75	100
	Project	Project	6	4	-	-	-	100
	TC	DTAL	30	22				500
	GRAND TOTAL			90				2000

#### List of Elective Courses (For 2016 - 2017)

	Elective I		Elective II
1	Mobile Communication	1	Embedded Systems
2	Web Services	2	Artificial Intelligence
3	Human Computer Interaction	3	Pattern Recognition
	Elective III		Elective IV
1	Parallel Processing	1	Network Security
2	Advanced Computer Architecture	0	Computer Simulation and
4	Advanced Computer Architecture	4	Modeling
3	Pervasive Computing	3	Soft Computing
	Elect	ive <b>\</b>	7
1	Big Data Analytics		
2	MANET		
3	Digital Image Processing		

Note:

Project	: 10	0 Marks
Dissertation	: 80	Marks
Viva Voice	: 20	Marks
Core Papers	-	10
Core Practical	-	4
Elective Papers	-	5
Project	-	1

S1. No	Subject	Internal	External
1.	Theory	25 Marks	75 Marks
2.	Practical	40 Marks	60 Marks

Note:

1. Theory	Internal	25 marks	External	75 marks
2. Practical	"	40 marks	"	60 marks

- 3. Separate passing minimum is prescribed for Internal and External
  - a) The passing minimum for CIA shall be 40% out of 25 marks (i.e. 10 marks)
  - b) The passing minimum for University Examinations shall be 40% out of 75 marks (i.e. 30 marks)
  - c) The passing minimum not less than 50% in the aggregate.

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# BHARATHIDASAN UNIVERSITY, M.Sc. Information Technology



TIRUCHIRAPPALLI – 620 024. Course Structure under CBCS

# (For the candidates admitted from the academic year 2016-2017 onwards)

# Updated on 12.06.2017

Se			Ins.	a 11.	Exam	Ma	rks	<b>T</b> ( )
m.	Course	Course Title	Hrs / Week	Credit	Hrs	Int.	Ext.	Total
	Core Course – I (CC)	Distributed Technologies	6	4	3	25	75	100
	Core Course – II (CC)	Web Services	6	4	3	25	75	100
I	Core Course – III (CC)	OOAD and UML	6	4	3	25	75	100
	Core Course – IV (CC)	Organizational Behaviour	6	4	3	25	75	100
	Core Practical – I (CP)	Distributed Technologies Lab	6	4	3	40	60	100
	]	TOTAL	30	20				500
	Core Course – V (CC)	Mobile Computing	6	5	3	25	75	100
	Core Course – VI (CC)	Multimedia Technology	6	5	3	25	75	100
п	Core Practical – II (CP)	Mobile Computing Lab	6	4	3	40	60	100
11	Elective Course – I (EC)	Any one from the list	6	5	3	25	75	100
	Elective Course – II (EC)	C) Any one from the list		5	3	25	75	100
	TOTAL			24				500
	Core Course – VII (CC)	J2EE Technologies	6	5	3	25	75	100
	Core Course – VIII (CC)	Network Security	6	5	3	25	75	100
т	Core Practical – III (CP)	J2EE Technologies Lab	6	4	3	40	60	100
1	Elective Course III (EC)	Any one from the list	6	5	3	25	75	100
	Elective Course – IV (EC)	Any one from the list	6	5	3	25	75	100
	TOTAL		30	24				500
	Core Course – IX (CC)	Internet of Things	5	5	3	25	75	100
	Core Course – X (CC)	Distributed Operating Systems	5	5	3	25	75	100
IV	Core Practical - IV (CP)	Open Source Technologies Lab	8	4	3	40	60	100
1 1	Elective Course – V (EC)	Any one from the list	5	4	3	25	75	100
	Project Work		7	4	-	-	-	100
	T	OTAL	30	22				500
	GRAND TOTAL			90				2000

## List of Elective Courses (For 2016 - 2017)

	Elective I		Elective II
1	Cloud Computing	1	Management Information Systems
2	Grid Computing	2	E-Commerce
3	Parallel Computing	3	Marketing Management
	Elective III		Elective IV
1	Big Data Analytics	1	Software Engineering
2	Digital Image Processing	2	Software Testing
3	Pattern Recognition	3	Software Metrics
	E	ectiv	e V
1	Pervasive Computing		
2	Human Computer Interaction		
3	Soft Computing		

#### Note:

Project	:100 Marks
Dissertation	: 80 Marks
Viva Voice	: 20 Marks
Core Papers	- 10
Core Practical	- 4
Elective Papers	- 5
Project	- 1

#### Note:

1. Theory	Internal	25 marks	External	75 marks
2. Practical	"	40 marks	>>	60 marks

Note:

1. Theory	Internal	25 marks	External	75 marks
2. Practical	"	40 marks	"	60 marks

3. Separate passing minimum is prescribed for Internal and External

a) The passing minimum for CIA shall be 40% out of 25 marks (i.e. 10 marks)

- b) The passing minimum for University Examinations shall be 40% out of 75 marks (i.e. 30 marks)
- c) The passing minimum not less than 50% in the aggregate.

## Reference/Text Books contain the following details:

- I. Name of the Author
- II. Title of the Book
- III. Name of the Publisher
- IV. Year

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