



**GARGI EDUCATION INSTITUTE'S**  
**GARGI AGRICULTURE RESEARCH AND TRAINING**  
**INSTITUTE NASHIK.**

Asia's First Wine, Brewing and Alcohol Technology College  
Affiliated to Savitribai Phule Pune University

(Institute Id No. PU/NS/C/149/2009)

Approved by Government of Maharashtra, Accredited By NAAC

ISO 9001:2015 Certified



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**Savitribai Phule Pune University**  
(Formerly University of Pune)

**Circular No. 484 of 2022**

**Dates of Commencement and Conclusion of terms for the Academic Year 2022-23  
for University Department / Affiliated Colleges / Recognised Institutes.**

It is hereby informed that, the dates of commencement and conclusion of the First and Second term of University Courses, under various faculties, for the academic year 2022-23 shall be as under as per DFE & CET Cell admission notification:

Sr No	Name of the Courses, Faculties & Year	2022 - 2023			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	<b>Science &amp; Technology</b>				
	B.E./B.Tech : 1st Year	04/11/2022	20/02/2023	20/03/2023	15/07/2023
	M.E./M.Tech : 1st Year	27/10/2022	20/02/2023	20/03/2023	15/07/2023
2	<b>Commerce &amp; Management</b>				
	M.B.A. : 1st Year	10/11/2022	03/03/2023	20/03/2023	15/07/2023
	M.C.A. : 1st Year	09/11/2022	03/03/2023	20/03/2023	15/07/2023
3	<b>Humanities</b>				
	L.L.B. : 1st Year (3 Years)	13/12/2022	04/04/2023	24/04/2023	12/08/2023
	L.L.B. : 1st Year (5 Years)	13/12/2022	04/04/2023	24/04/2023	12/08/2023
	L.L.M. : 1st & 2nd Year	03/10/2022	28/01/2023	20/02/2023	17/06/2023
4	<b>Inter-disciplinary Studies</b>				
	B.Ed. : 1st Year	19/12/2022	12/04/2023	24/04/2023	12/08/2023
	B.P.Ed. : 1st Year	12/12/2022	04/04/2023	24/04/2023	12/08/2023
	M.Ed. /M. P. Ed.	14/12/2022	04/04/2023	18/04/2023	05/08/2023
	Fine Arts	12/12/2022	04/04/2023	24/04/2023	12/08/2023

**NOTE :**

1. In case, the Principal of the Affiliated Colleges require to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.

  
29/11/2022  
Assistant Registrar  
(P.G. Admission)

Ganeshkhind, Pune-07  
Ref. No. PGS/ 6275  
Date: 29/12/2022

**Copy to: for Information and necessary action**

The Members of the Management Council.

The Deans of Faculties.

The Registrar, Savitribai Phule Pune University, Pune.

The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.

The Heads of all University Departments.

The Principals of all Affiliated Colleges.

The Directors of all Recognized Institutes.

The Heads of all the Administrative Sections of the University Office.

Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University

Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University



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DATE: 30/05/2022

## **ACADEMIC CALENDER: 2022-23**

MONTH	Date	ACTIVITIES TO BE CONDUCTED
JUNE 2022	05/06/2022	World Environment Day
	15/06/2022	Academic Year Begins
	21/06/2022	International Yoga Day
	25/06/2022	Rajashri Shahu Maharaj Jayanti
JULY 2022	01/07/2022	NAAC Felicitation Program & Farewell Party
	18/07/2022	Lok Shahir Anna Bhau Sathe Punyatithi
	23/07/2022	Lokmanya Bal Gangadhar Tilak Jayanti
	26/07/2022	Kargil Divas
	27/07/2022	Dr. A. P. J. Abdul Kalam Punyatithi
AUGUST 2022	1/08/2022	Lokmanya Bal Gangadhar Tilak Punyatithi & Lokshahir Anna Bhau Sathe Jayanti
	09/08/2022	Muharram
	13/08/2022	Azadi Ka Amrut Mohastav
	15/08/2022	Independence Day
	16/08/2022	Parsi New Year
	17/08/2022	Group National Anthem Singing
	20/08/2022	Sadbhavana Divas
	31/08/2022	Ganesh Chaturthi (Sthapana)
SEPTEMBER 2022	02/09/2022	Ganesh Visarjan & Cultural Activities
	05/09/2022	Teachers Day
	15/09/2022	Avishkar Competition
	16/09/2022	Induction Program
	17/09/2022	Seminar on Meditation & Stress Management
	17/09/2022	Chemistry Lab Safety Program to FY.B.SC Students
OCTOBER 2022	01/10/2022	Mahatma Gandhi Jayanti & Lal Bahadur Shastri Jayanti



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	05/10/2022	Dussehra
	08/10/2022	GARTI's Alumni Meet 2022-23
	15/10/2022	Dr. A. P. J. Abdul Kalam Jayanti as Reading Inspiration Day
	16/10/2022 to 19/10/2022	F.Y. B.Sc. (Comp Sci.) Internal Theory Examination
	21/10/2022 to 03/11/2022	Diwali Vacation
	31/10/2022	Indira Gandhi Punyatithi & Sardar Vallabhai Patel Jayanti
NOVEMBER 2022	08/11/2022	Guru Nanak Jayanti
	14/11/2022	Pandit Jawaharlal Neharu Jayanti
	18/11/2022	Inauguration ceremony of YCMOU
	19/11/2022	Indira Gandhi Jayanti
	26/11/2022	Sanvidhan Din
	26/11/2022	Field Visit
	28/11/2022	Mahatma Phule Punyatithi
DECEMBER 2022	28/11/2022 to 01/12/2022	B.com & M.com Internal Examination
	01/12/2022	Health Check Up Camp & Seminar on Nutrition & Health Hygiene
	06/12/2022	Bharatratna Dr. Babasaheb Ambedkar Mahaparinirvan Din
	14/12/2022	Seminar on "Wine Making & Marketing"
	15/12/2022 to 05/01/2023	B.Sc. & M.Sc. (WBAT) External Examination
	22/12/2022	Mock Fire drill Regarding "Fire Prevention & Protection"
	22/12/2022 to 24/12/2022	M.Sc. (Comp Sci.) Internal Theory Examination
JANUARY 2023	25/12/2022	Christmas
	10/01/2023 to 08/02/2023	B.com & M.com SPPU Examination



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	20/01/2023 to 13/02/2023	B.Sc. & M.Sc. (Comp Sci.) SPPU Examination
	03/01/2023	Savitribai Phule Jayanti
	08/01/2023	Workshop on Self Defense Training Under Nirbhay Kanya Abhiyan
	09/01/2023	Workshop on Women's Stress Management & Norms of Anti Ragging & Sexual Harassment" Under Nirbhay Kanya Abhiyan
	12/01/2023	"Rajmata Jijausaheb Jayanti & Swami Vivekanand Jayanti as a National Youth Day"
	26/01/2023	74 <sup>th</sup> Republic Day celebration
	30/01/2023 to 08/02/2023	B.Com & M.Com SPPU Examination
<b>FEBRUARY 2023</b>	10/02/2023	Seminar on Lokshahi Pandharwada
	14/02/2023	Workshop on "Competitive Exam"
	17/02/2023	Faculty Development Program on "CO's & PO's Mapping" (NAAC Orientation)
	18/02/2023	Mahashivratri
	19/02/2023	Chhatrapati Shivaji Maharaj Jayanti
	22/02/2023 to 25/02/2023	Annual Festival "Garti's Winostav"
	27/02/2023	Marathi Rajbhasha Din
<b>MARCH 2023</b>	28/02/2023	National Science Day
	07/03/2023	Holi
	08/03/2023	Women's Day
	10/03/2023	Savitribai Phule Smruti Din
	16/03/2023	Career Guidance & Personal Counseling Session
	22/03/2023	Gudhi Padwa
	23/03/2023	Shahid Din
	27/03/2023 to 06/04/2023	B.Sc. & M.Sc. (WBAT) Internal Examination
	30/03/2023	Ram Navami



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<b>APRIL 2023</b>	04/04/2023	Mahavir Jayanti
	06/04/2023	Blood Donation Camp
	07/04/2023	Good Friday
	08/04/2023	One day skill development workshop
	11/04/2023	Mahatma Jyotiba Phule Jayanti
	14/04/2023	Dr. Babasaheb Ambedkar Jayanti
	22/04/2023	Ramzan-Id
	24/04/2023 to 02/05/2023	Bcom & Mcom Internal Examination
	24/04/2023 to 27/04/2023	F.Y.B.Sc (Comp Sci.) Internal Theory Examination
<b>MAY 2023</b>	01/05/2023	Maharashtra Din
	05/05/2023	Buddha Pournima
	06/05/2023 to 09/05/2023	M.Sc (Comp Sci.) Internal Theory Examination
	27/05/2023 to 05/06/2023	F.Y.B.Sc (Comp Sci.) External Theory Examination
	28/05/2022	Swatantra Veer Savarkar Jayanti
	29/05/2023 to 13/06/2023	B.Sc & M.Sc (WBAT) External Theory & Practical Examination
	31/05/2022	World No Tobacco Day
<b>JUNE 2023</b>	20/06/2023 to 23/06/2023	M.Sc (Comp Sci.) SPPU Examination
	28/06/2023	Bakri Id

**Dr. Sonam R. Bachhao**  
IQAC Coordinator

**Dr. M. P. Shinde**  
Principal





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**F.Y.B.Sc. Timetable (SemI) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WBAT-118	WBAT-111	WBAT-114	WBAT-114	WBAT-1110  PRACTICAL	WBAT-1112  PRACTICAL
10:30a.m.-11:30a.m.	WBAT-117	WBAT-116	WBAT-117	WBAT-112		
11:30a.m.-12:30p.m.	WBAT-111	WBAT-118	WBAT-111	WBAT-113		
12:30p.m.-1:00p.m.	WBAT-115	WBAT-113	WBAT-113	WBAT-116		
1:00p.m.-4:00p.m.	RECESS					
1:00p.m.-1:45p.m.	WBAT-114	WBAT-115	WBAT-115	WBAT-118	WBAT-119  PRACTICAL	WBAT-1111  PRACTICAL
1:45p.m.-2:30p.m.	WBAT-116	WBAT-112	WBAT-112	WBAT-117		
2:30p.m.-3:15p.m.						
3:15p.m.-4:00p.m.						



  
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**S.Y.B.Sc. Timetable (SEM III) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WBAT-236	WBAT-236	WBAT-236	WBAT-234	WBAT-2310  PRACTICAL	WBAT-2310  PRACTICAL
10:30a.m.-11:30a.m.	WBAT-232	WBAT-232	WBAT-232	WBAT-231		
11:30a.m.-12:30p.m.	WBAT-237	WBAT-237	WBAT-237	WBAT-235		
12:30p.m.-1:00p.m.	WBAT-233	WBAT-233	WBAT-233	WBAT-238		
1:00p.m.-4:00p.m.	RECESS					
1:00p.m.-1:45p.m.	WBAT-234	WBAT-235	WBAT-239  PRACTICAL	WBAT-239  PRACTICAL	WBAT-2311  PRACTICAL	WBAT-2311  PRACTICAL
1:45p.m.-2:30p.m.	WBAT-231	WBAT-238				
2:30p.m.-3:15p.m.	WBAT-235	WBAT-234				
3:15p.m.-4:00p.m.	WBAT-238	WBAT-231				



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**T.Y.B.Sc. Timetable (SEM V) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WBAT-354	WBAT-354	WBAT-354	WBAT-351	WBAT-351	WBAT-351
10:30a.m.-11:30a.m.	WBAT-352	WBAT-352	WBAT-352	WBAT-353	WBAT-353	WBAT-353
11:30a.m.-12:30p.m.	WBAT-3511	WBAT-3511	WBAT-3511	WBAT-355	WBAT-355	WBAT-355
12:30p.m.-1:00p.m.	WBAT-356	WBAT-356	WBAT-356	WBAT-3510	WBAT-3510	WBAT-3510
1:00p.m.-4:00p.m.	<b>RECESS</b>					
1:00p.m.-1:45p.m.	WBAT-359 PRACTICAL	WBAT-359 PRACTICAL	WBAT-357 PRACTICAL	WBAT-357 PRACTICAL	WBAT-358 PRACTICAL	WBAT-358 PRACTICAL
1:45p.m.-2:30p.m.						
2:30p.m.-3:15p.m.						
3:15p.m.-4:00p.m.						



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**M.Sc. Timetable (SEM I) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WT-1.1	WT-1.1	WT-1.1	WT-1.1	WT-1.3	WT-1.6
10:30a.m.-11:30a.m.	WT-1.2	WT-1.2	WT-1.5	WT-1.2	WT-1.2	PRACTICAL
11:30a.m.-12:30p.m.	WT-1.3	WT-1.3	WT-1.3	WT-1.5		
12:30p.m.-1:00p.m.	RECESS					
1:00p.m.-4:00p.m.	WT-1.4  PRACTICAL	WT-1.4  PRACTICAL				WT-1.6  PRACTICAL



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**M.Sc. Timetable (SEM III) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WT-3.2	WT-3.2	WT-3.2	WT-3.3	WT-3.1	WT-3.6
10:30a.m.-11:30a.m.	WT-3.3	WT-3.3	WT-3.3	WT-3.2	WT-3.5	PRACTICAL
11:30a.m.-12:30p.m.	WT-3.1	WT-3.1	WT-3.1	WT-3.5		
12:30p.m.-1:00p.m.	RECESS					
1:00p.m.-4:00p.m.	WT-3.4  PRACTICAL	WT-3.4  PRACTICAL				WT-3.6  PRACTICAL



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**F.Y.B.Sc. Timetable (SEM II) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WBAT-123	WBAT-123	WBAT-123	WBAT-124	WBAT-1210  PRACTICAL	WBAT-124
10:30a.m.-11:30a.m.	WBAT-127	WBAT-126	WBAT-127	WBAT-122		WBAT-121
11:30a.m.-12:30p.m.	WBAT-121	WBAT-128	WBAT-121	WBAT-128		WBAT-125
12:30p.m.-1:00p.m.	WBAT-125	WBAT-127	WBAT-122	WBAT-126		WBAT-128
1:00p.m.-4:00p.m.	RECESS					
1:00p.m.-1:45p.m.	WBAT-124	WBAT-125	WBAT-1212  PRACTICAL	WBAT-129  PRACTICAL		WBAT-1211  PRACTICAL
1:45p.m.-2:30p.m.	WBAT-126	WBAT-122				
2:30p.m.-3:15p.m.						
3:15p.m.-4:00p.m.						



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**S.Y.B.Sc. Timetable (SEM IV) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WBAT-246	WBAT-246	WBAT-246	WBAT-244	WBAT-2410  PRACTICAL	WBAT-2410  PRACTICAL
10:30a.m.-11:30a.m.	WBAT-242	WBAT-242	WBAT-242	WBAT-241		
11:30a.m.-12:30p.m.	WBAT-247	WBAT-247	WBAT-247	WBAT-245		
12:30p.m.-1:00p.m.	WBAT-243	WBAT-243	WBAT-243	WBAT-248		
1:00p.m.-4:00p.m.	RECESS					
1:00p.m.-1:45p.m.	WBAT-244	WBAT-245	WBAT-249  PRACTICAL	WBAT-249  PRACTICAL	WBAT-2411  PRACTICAL	WBAT-2411  PRACTICAL
1:45p.m.-2:30p.m.	WBAT-241	WBAT-248				
2:30p.m.-3:15p.m.	WBAT-245	WBAT-244				
3:15p.m.-4:00p.m.	WBAT-248	WBAT-241				



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**T.Y.B.Sc. Timetable (SEM VI) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-12:30p.m.	WBAT-367 PRACTICAL	WBAT-367 PRACTICAL	WBAT-368 PRACTICAL	WBAT-368 PRACTICAL	WBAT-369 PROJECT	WBAT-369 PROJECT
12:30p.m.-1:00p.m.	RECESS					
1:00p.m.-1:45p.m.	WBAT-364	WBAT-364	WBAT-364	WBAT-361	WBAT-361	WBAT-361
1:45p.m.-2:30p.m.	WBAT-362	WBAT-362	WBAT-362	WBAT-363	WBAT-363	WBAT-363
2:30p.m.-3:15p.m.	WBAT-3611	WBAT-3611	WBAT-3611	WBAT-365	WBAT-365	WBAT-365
3:15p.m.-4:00p.m.	WBAT-366	WBAT-366	WBAT-366	WBAT-3610	WBAT-3610	WBAT-3610



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**M.Sc. Timetable (SEM II) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WT-2.1	WT-2.1	WT-2.1	WT-2.1	WT-2.3	WT-2.6
10:30a.m.-11:30a.m.	WT-2.3	WT-2.3	WT-2.5	WT-2.2	WT-2.2	PRACTICAL
11:30a.m.-12:30p.m.	WT-2.2	WT-2.2	WT-2.3	WT-2.5		
12:30p.m.-1:00p.m.	RECESS					
1:00p.m.-4:00p.m.	WT-2.4 PRACTICAL	WT-2.4 PRACTICAL				WT-2.6 PRACTICAL



  
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**M.Sc. Timetable (SEM IV) 2022-2023**

Time	Mon	Tue	Wed	Thurs	Fri	Sat
9:30a.m.-10:30a.m.	WT-4.3	WT-4.3	WT-4.3	WT-4.3	WT-4.1	WT-4.7.1
10:30a.m.-11:30a.m.	WT-4.2	WT-4.2	WT-4.2	WT-4.2	WT-4.6.1	WT-4.6.1
11:30a.m.-12:30p.m.	WT-4.1	WT-4.1	WT-4.1	WT-4.5.1	WT-4.7.1	WT-4.5.1
12:30p.m.-1:00p.m.	RECESS					
1:00p.m.-4:00p.m.				WT-4.7.2 PRACTICAL	WT-4.5.2 PRACTICAL	WT-4.6.2 PRACTICAL



  
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### F.Y.B.Sc(Computer Science). Timetable (Sem I)2022-2023

Time	Mon	Tue	Wed	Thu	Fri	Sat
9:30AM-10:15AM	CS-111	CS-111	CS-111	CS-112	CS-112	CS-112
10:15AM-11:00AM	Elec-111	Elec-111	Elec-111	Elec - 112	Elec - 112	Elec - 112
11:00AM-11:45AM	CSST-111	CSST-111	CSST-111	CSST-112	CSST-112	CSST-112
11:45AM-12:30PM	MTC-111	MTC-113	MTC-111	MTC-112	MTC-112	MTC-112
<b>Practicals:-</b>						
1:00PM-2:45PM	CS-101	Elec-I	CSST-111	CS-112	Elec-II	CSST-112
2:45PM-4:00PM						

### Subjects :-

CS-111	Problem Solving Using Computer And 'C' Programming
CS-112	Database Management System
CS-113	Practical Course Based On CS-101 And CS-102
MTC-111	Matrix Algebra
MTC-112	Discrete Mathematics
MTC-113	Mathematics Practical
CSST-111	Descriptive Statistics
CSST-112	Mathematical Statistics
CSST-113	Statistics Practical Paper - I
Elec-111	Semiconductor Devices And Basic Electronic System
Elec-112	Principles Of Digital Electronics
Elec-113	Electronics Lab IA

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**F.Y.B.Sc(Computer Science). Timetable (Sem II)2022-2023**

Time	Mon	Tue	Wed	Thu	Fri	Sat
9:30AM-10:15AM	CS-201	CS-201	CS-201	CS-202	CS-202	CS-202
10:15AM-11:00AM	Elec-121	Elec-121	Elec-121	Elec - 122	Elec - 122	Elec - 122
11:00AM-11:45AM	CSST-121	CSST-121	CSST-121	CSST-122	CSST-122	CSST-122
11:45AM-12:30PM	MTC-121	MTC-121	MTC-121	MTC-122	MTC-122	MTC-122
<b>Practicals:-</b>						
1:00PM-2:45PM	CS-201	Elec-121	CSST-121	CS-122	Elec-122	CSST-122
2:45PM-4:00PM						

**Subjects :-**

CS-201	Advanced 'C' Programming
CS-202	Relational DBMS
CS-123	Practical Course Based On CS-201 And CS-202
MTC-121	Linear Algebra
MTC-122	Graph Theory
MTC-123	Mathematics Practical-II
CSST-121	Method of Applied Statistics
CSST-122	Continuous probability distribution and testing of hypothesis
CSST-123	Statistics Practical Paper - II
Elec-121	Instrumentation System
Elec-122	Basic of computer organisation
Elec-123	Electronics Lab IA

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**GARGI AGRICULTURE RESEARCH AND TRAINING  
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**MSc(Computer Science)First Year. Timetable (Sem I)2022-2023**

Time	Mon	Tue	Wed	Thu	Fri	Sat
10:00AM-10:45AM	CSUT-111	CSUT-111	CSUT-111	CSUT-112	CSUT-112	CSUT-112
10:45AM-11:30AM	CSUT-113	CSUT-113	CSUT-113	CSDT-114A	CSDT-114A	CSDT-114A
11:30AM-12:15AM	CSUT-111	CSUT-111	CSUT-111	CSUT-112	CSUT-112	CSUT-112
11:45AM-12:30PM	CSUT-113	CSUT-113	CSUT-113	CSDT-114A	CSDT-114A	CSDT-114A

**Practicals:-**

1:00PM-2:45PM	CSUT-111 Practical	CSUT-112 Practical	CSUT-111 Practical	CSDP-114A Practical	CSUT-112 Practical	CSUT-111 Practical
2:45PM-4:00PM						

**Subjects :-**

CSUT-111	Paradigm of Programming Language
CSUT-112	Design and Analysis of Algorithm
CSUT-113	Database Technologies
CSDT-114A	Cloud Computing
CSUT-111 Practical	PPL Practical
CSUT-112 Practical	DDA Practical
CSDP-114A Practical	Cloud Computing Practical

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**MSc(Computer Science)First Year. Timetable (SemII)2022-2023**

Time	Mon	Tue	Wed	Thu	Fri	Sat
10:00AM-10:45AM	CSUT-121	CSUT-121	CSUT-121	CSUT-122	CSUT-122	CSUT-122
10:45AM-11:30AM	CSUT-123	CSUT-123	CSUT-123	CSDT-121A	CSDT-121A	CSDT-121A
11:30AM-12:15AM	CSDP-124A	CSDP-124A	CSDP-124A	CSUT-121	CSUT-121	CSUT-121
11:45AM-12:30PM	CSUT-122	CSUT-122	CSUT-122	CSUT-123	CSUT-123	

**Practicals:-**

1:00PM-2:45PM	CSUP125	CSUP125	CSUP125	CSUP125	CSUP125	CSUP125
2:45PM-4:00PM	Practical	Practical	Practical	Practical	Practical	Practical

**Subjects :-**

CSUT-121	Advanced Operating System
CSUT-122	Mobile Technologies
CSUT-123	Software Project Management
CSDT-121A	Project
CSDP-124A	Project Related Assignment
CSUP-125	Practical on Advanced OS & Mobile Technologies

  
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**MSc(Computer Science)Second Year. Timetable (Sem III)2022-2023**

Time	Mon	Tue	Wed	Thu	Fri	Sat
10:00AM-10:45AM	CSUT231	CSUT231	CSUT231	CSUT232	CSUT232	CSUT232
10:45AM-11:30AM	CSUT232	CSDT234B	CSDT234B	CSUT233	CSUT233	CSUT233
11:30AM-12:15AM	CSUT233	CSUT233	CSUT233	CSDT234B	CSDT234B	CSDT234B
11:45AM-12:30PM	CSDT234B	CSUT232	CSUT232	CSUT231	CSUT231	CSUT231
<b>Practicals:-</b>						
1:00PM-2:45PM	CSUP235	CSUP235	CSUP235	CSDP234B	CSDP234B	CSDP234B
2:45PM-4:00PM						

**Subjects :-**

CSUT231	Software Architecture and Design Pattern
CSUT232	Machine Learning
CSUT233	Web Frameworks
CSDT234B	Web Analytics
CSUP235	Practical on CSUT231, CSUT232 and CSUT233
CSDP234B	Web Analytics Practical

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**DEPARTMENT OF COMMERCE**

**Time Table 2022-23**  
**F.Y.B.Com- (Sem-I)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	9.30 To 10.15	Compulsory English (111)	Compulsory English (111)	Compulsory English (111)	Business Economics (113)	Business Economics (113)	Business Economics (113)
2	10.15 To 11.00	Financial Accounting (112)	Financial Accounting (112)	Financial Accounting (112)	Banking Finance (115B)	Banking Finance (115B)	Banking Finance (115B)
3	11.00 To 11.45	Computer Concepts & Application (114B)	Computer Concepts & Application (114B)	Computer Concepts & Application (114B)	Marketing and salesmanship (116C)	Marketing and salesmanship (116C)	Marketing and salesmanship (116C)
4	11.45 To 12.30	Hindi (117C)/Marathi (117 B)	Hindi (117C)/Marathi (117 B)	Hindi (117C)/Marathi (117 B)	Physical Education (GR 1)	Employability skill Enhancement program (VA2)	

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**DEPARTMENT OF COMMERCE**

**Time Table 2022-23**  
**S.Y.B.Com- (Sem-III)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	9.30 To 10.15	Business Communication- (231)	Business Communication- (231)	Business Communication- (231)	Corporate Accounting – (232)	Corporate Accounting – (232)	Corporate Accounting – (232)
2	10.15 To 11.00	Business Management-(234)	Business Management-(234)	Business Management-(234)	Business Economics (macro) – (233)	Business Economics (macro) – (233)	Business Economics (macro) – (233)
3	11.00 To 11.45	Business Administration (236A)/ Banking & Finance (236B)/ Cost & Work Accounting (236E)	Business Administration (236A)/ Banking & Finance (236B)/ Cost & Work Accounting (236E)	Business Administration (236A)/ Banking & Finance (236B)/ Cost & Work Accounting (236E)	AECC-1 Environment Awareness (239)	AECC-1 Environment Awareness (239)	AECC-1 Environment Awareness (239)
4	11.45 To 12.30	Elements of Company Law – (235)	Elements of Company Law – (235)	Elements of Company Law – (235)			



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**DEPARTMENT OF COMMERCE**

**Time Table 2022-23**  
**T.Y.B.Com- (Sem-V)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	9.30 To 10.15	Audit and Taxation (354)	Audit and Taxation (354)	Audit and Taxation (354)	Advanced accounting (352)	Advanced accounting (352)	Advanced accounting (352)
2	10.15 To 11.00	Business regulatory framework (351)	Business regulatory framework (351)	Business regulatory framework (351)	Indian & Global Economics (253 A)	Indian & Global Economics (253 A)	Indian & Global Economics (253 A)
3	11.00 To 11.45	Business administration II (355A)/ Banking & Finance II (355B)/ Cost & Work Accounting II (355E)	Business administration II (355A)/ Banking & Finance II (355B)/ Cost & Work Accounting II (355E)	Business administration II (355A)/ Banking & Finance II (355B)/ Cost & Work Accounting II (355E)	Business Administration III (356A)/ Banking & Finance III (356B)/ Cost & Work Accounting III (356E)	Business Administration III (356A)/ Banking & Finance III (356B)/ Cost & Work Accounting III (356E)	Business Administration III (356A)/ Banking & Finance III (356B)/ Cost & Work Accounting III (356E)

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**Time Table 2022-23**  
**M.Com- (Sem-I)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	1:30 to 2:15	Management Accounting (121)	Management Accounting (121)	Management Accounting (121)	Management Accounting (121)	Human Rights	Cyber Security
2	2:15-3:00	Strategic Management (122)	Strategic Management (122)	Strategic Management (122)	Strategic Management (122)	-	-
3	3:00-3:45	Production and Operation Management (133)/ Advanced Cost Accounting (127)	Production and Operation Management (133)/ Advanced Cost Accounting (127)	Production and Operation Management (133)/ Advanced Cost Accounting (127)	Production and Operation Management (133)/ Advanced Cost Accounting (127)	-	-
4	3:45-4:30	Financial Management (134)/ Costing Technique Examinations and Responsibility Accounting (128)	Production and Operation Management (133)/ Advanced Cost Accounting (127)	Production and Operation Management (133)/ Advanced Cost Accounting (127)	Production and Operation Management (133)/ Advanced Cost Accounting (127)	-	-



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**Time Table 2022-23**  
**M.Com- (Sem-III)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	1:30 to 2:15	Business finance (321)	Business finance (321)	Business finance (321)	Business finance (321)	Skill Development	Cyber Security
2	2:15-3:00	Research Methodology For Business (322)	Research Methodology For Business (322)	Research Methodology For Business (322)	Research Methodology For Business (322)	-	-
3	3:00-3:45	Cost Audit (327)/ Human Resource Management (333)	Cost Audit (327)/ Human Resource Management (333)	Cost Audit (327)/ Human Resource Management (333)	Cost Audit (327)/ Human Resource Management (333)	-	-
4	3:45-4:30	Management Audit (328)/ Organizational Behaviour (334)	Management Audit (328)/ Organizational Behaviour (334)	Management Audit (328)/ Organizational Behaviour (334)	Management Audit (328)/ Organizational Behaviour (334)	-	-



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**Time Table 2022-23**  
**F.Y.B.Com- (Sem-II)**

Sr. No.	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	9.30 To 10.15	Compulsory English (121)	Compulsory English (121)	Compulsory English (121)	Business Economics (123)	Business Economics (123)	Business Economics (123)
2	10.15 To 11.00	Financial Accounting (122)	Financial Accounting (122)	Financial Accounting (122)	Banking Finance (125B)	Banking Finance (125B)	Banking Finance (125B)
3	11.00 To 11.45	Computer Concepts & Application (124B)	Computer Concepts & Application (124B)	Computer Concepts & Application (124B)	Marketing and salesmanship (126C)	Marketing and salesmanship (126C)	Marketing and salesmanship (126C)
4	11.45 To 12.30	Hindi (117C)/Marathi (127 B)	Hindi (117C)/Marathi (127 B)	Hindi (117C)/Marathi (127 B)	Physical Education (GR 2)	Computerized Accounting	

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**Time Table 2022-23**  
**S.Y.B.Com- (Sem-IV)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	9.30 To 10.15	Business Communication- (241)	Business Communication- (241)	Business Communication- (241)	Corporate Accounting – (242)	Corporate Accounting – (242)	Corporate Accounting – (242)
2	10.15 To 11.00	Business Management- (244)	Business Management- (244)	Business Management- (244)	Business Economics (macro) – (243)	Business Economics (macro) – (243)	Business Economics (macro) – (243)
3	11.00 To 11.45	Business Administration (246A)/ Banking & Finance (246B)/ Cost & Work Accounting (246E)	Business Administration (246A)/ Banking & Finance (246B)/ Cost & Work Accounting (246E)	Business Administration (246A)/ Banking & Finance (246B)/ Cost & Work Accounting (246E)	AECC-1 Environment Awareness (249)	AECC-1 Environment Awareness (249)	AECC-1 Environment Awareness (249)
4	11.45 To 12.30	Elements of Company Law – (245)	Elements of Company Law – (245)	Elements of Company Law – (245)			



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**Time Table 2022-23**  
**T.Y.B.Com- (Sem-VI)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	9.30 To 10.15	Audit and Taxation (364)	Audit and Taxation (364)	Audit and Taxation (364)	Advanced accounting (362)	Advanced accounting (362)	Advanced accounting (362)
2	10.15 To 11.00	Business regulatory framework (361)	Business regulatory framework (361)	Business regulatory framework (361)	Indian & Global Economics (263 A)	Indian & Global Economics (263 A)	Indian & Global Economics (263 A)
3	11.00 To 11.45	Business administration II (365A)/ Banking & Finance II (365B)/ Cost & Work Accounting II (365E)	Business administration II (365A)/ Banking & Finance II (365B)/ Cost & Work Accounting II (365E)	Business administration II (365A)/ Banking & Finance II (365B)/ Cost & Work Accounting II (365E)	Business Administration III (366A)/ Banking & Finance III (366B)/ Cost & Work Accounting III (366E)	Business Administration III (366A)/ Banking & Finance III (366B)/ Cost & Work Accounting III (366E)	Business Administration III (366A)/ Banking & Finance III (366B)/ Cost & Work Accounting III (366E)

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**Time Table 2022-23**  
**M.Com- (Sem-II)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	1:30 to 2:15	Financial Analysis & Control (221)	Financial Analysis & Control (221)	Financial Analysis & Control (221)	Financial Analysis & Control (221)	Human Rights	Cyber Security
2	2:15-3:00	Industrial Economics (222 A)	Industrial Economics (222 A)	Industrial Economics (222 A)	Industrial Economics (222 A)	-	-
3	3:00-3:45	Application of Cost Accounting (227)/ Business Ethics & Professional Values (233)	Application of Cost Accounting (227)/ Business Ethics & Professional Values (233)	Application of Cost Accounting (227)/ Business Ethics & Professional Values (233)	Application of Cost Accounting (227)/ Business Ethics & Professional Values (233)	-	-
4	3:45-4:30	Cost Control and Cost Systems (228)/ Elements of Knowledge Management (234)	Cost Control and Cost Systems (228)/ Elements of Knowledge Management (234)	Cost Control and Cost Systems (228)/ Elements of Knowledge Management (234)	Cost Control and Cost Systems (228)/ Elements of Knowledge Management (234)	-	-

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**Time Table 2022-23**  
**M.Com- (Sem-IV)**

Sr. No	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	1:30 to 2:15	Capital Market and Financial Services (421)	Capital Market and Financial Services (421)	Capital Market and Financial Services (421)	Capital Market and Financial Services (421)	Skill Development	Cyber Security
2	2:15-3:00	Industrial Economic Environment (422)	Industrial Economic Environment (422)	Industrial Economic Environment (422)	Industrial Economic Environment (422)	-	-
3	3:00-3:45	Recent Advances in Cost Auditing and Cost System (427)/ Recent Advances in Business Administration (433)	Recent Advances in Cost Auditing and Cost System (427)/ Recent Advances in Business Administration (433)	Recent Advances in Cost Auditing and Cost System (427)/ Recent Advances in Business Administration (433)	Recent Advances in Cost Auditing and Cost System (427)/ Recent Advances in Business Administration (433)	-	-
4	3:45-4:30	PROJECT WORK / CASE STUDIES (428) & (434)				-	-



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**F.Y BSC COMP SCIENCE**

**CS-111: PROBLEMS SOLVING USING COMPUTER  
AND 'C'**

**Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.41	2.39	
CO-2	2.45	2.41	
CO-3	2.48	2.45	
Total	7.34/3=2.44	2.416666667	
50%	1.22	1.2	2.42

**CS-112: DATABASE MANAGEMENT SYSTEM**

**Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.45	2.35	
CO-2	2.60	2.59	
CO-3	2.90	2.85	
Total	7.95/3=2.651	2.596666667	
50%	1.32	0.865	2.21



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**MTC - 111: MATRIX ALGEBRA  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.60	2.61	
CO-2	2.61	2.62	
CO-3	2.89	2.9	
Total	$8.1/3=2.7$	2.71	
50%	1.35	1.355	2.7

**MTC - 112: DISCRETE MATHEMATICS  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.35	2.36	
CO-2	2.38	2.39	
CO-3	2.80	2.82	
Total	$7.53/3=2.513$	$7.57/3=2.52$	
50%	1.25	1.26	2.51



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**ELC-111: SEMICONDUCTOR DEVICES AND BASIC  
ELECTRONIC SYSTEM  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.55	2.54	
CO-2	2.56	2.55	
CO-3	2.63	2.61	
Total	$7.74/3=2.58$	2.566666667	
50%	1.29	1.28	2.57

**ELC - 112: PRINCIPAL OF DIGITAL ELECTRONICS  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.51	2.49	
CO-2	2.52	2.51	
CO-3	2.91	2.9	
Total	$7.94/3=2.647$	2.633333333	
50%	1.32	1.32	2.64





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**CSST-111: DESCRIPTIVE STATISTICS I  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.36	2.38	
CO-2	2.39	2.38	
CO-3	2.63	2.62	
Total	7.38/3=2.46	2.46	
50%	1.23	1.23	2.46

**CSST-112: MATHEMATICAL STATISTICS  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.61	2.59	
CO-2	2.62	2.58	
CO-3	2.86	2.84	
Total	8.09/3=2.69	2.67	
50%	1.34	1.33	2.67

  
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**S.Y BSC COMPUTER SCIENCE**

**CS-231 DATA STRUCTURES AND ALGORITHMS  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.52	2.51	
CO-2	2.54	2.53	
CO-3	2.58	2.57	
Total	2.546666667	2.536666667	
50%	1.27	1.268	2.538

**CS - 232 SOFTWARE ENGINEERING  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.55	2.51	
CO-2	2.58	2.53	
CO-3	2.59	2.57	
Total	2.573333333	2.536666667	
50%	1.28	1.26	2.54



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**MTC - 231 GROUP AND CODING THEORY  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	s
CO-1	2.61	2.62	
CO-2	2.63	2.64	
CO-3	2.62	2.65	
Total	2.62	2.636666667	
50%	1.31	1.31	2.62

**MTC - 232 NUMERICAL TECHNIQUES  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.64	2.51	
CO-2	2.63	2.53	
CO-3	2.62	2.57	
Total	2.63	2.536666667	
50%	1.31	1.26	2.57



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**ELC - 231 MICROCONTROLE ARCHITECTURE &  
PROGRAMMING  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.66	2.65	
CO-2	2.67	2.66	
CO-3	2.68	2.67	
Total	2.67	2.66	
50%	1.33	1.33	2.66

**ELC - 232 DIGITAL COMMUNICATION AND  
NETWORKING  
Total CO Attainment**

CO- Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.65	2.65	
CO-2	2.66	2.66	
CO-3	2.62	2.67	
Total	2.643333333	2.66	
50%	1.32	1.33	2.66





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**AECC - I ENVIRONMENT SCIENCE - I  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.62	2.61	
CO-2	2.63	2.62	
CO-3	2.64	2.63	
Total	2.63	2.62	
50%	1.31	1.31	2.62

**AECC - II LANGUAGE COMMUNICATION - I  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.43	2.42	
CO-2	2.48	2.47	
CO-3	2.45	2.44	
Total	2.453333333	2.443333333	
50%	1.22	1.22	2.44

  
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**T.Y BSC COMPUTER SCIENCE**

**CS-354 FOUNDATION OF DATASCIENCE**

**Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.36	2.35	
CO-2	2.37	2.36	
CO-3	2.38	2.37	
Total	2.37	2.36	
50%	1.18	1.18	2.36

**CS-355 OBJECT ORIENTED PROGRAMMING  
USING JAVA - I**

**Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.39	2.38	
CO-2	2.33	2.32	
CO-3	2.34	2.33	
Total	2.353333333	2.343333333	
50%	1.17	1.17	2.34



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**CS-356 THEORETICAL COMPUTER SCIENCE  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.55	2.54	
CO-2	2.33	2.31	
CO-3	2.34	2.33	
Total	2.406666667	2.393333333	
50%	1.20	1.19	2.39

**CS-3510 PYTHON PROGRAMMING  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.45	2.44	
CO-2	2.48	2.47	
CO-3	2.49	2.48	
Total	2.473333333	2.463333333	
50%	1.23	1.23	2.46



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**CS-3511 BLOCKCHAIN TECHNOLOGY  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.49	2.48	
CO-2	2.53	2.52	
CO-3	2.55	2.54	
Total	2.523333333	2.513333333	
50%	1.26	1.25	2.51

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**MSC I COMPUTER SCIENCE**

**CS-501-MJ ADVANCED OPERATING SYSTEM  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.53	1.52	
CO-2	1.54	1.53	
CO-3	0.00	0.02	
CO-4	1.56	1.55	
CO-5	1.57	1.56	
CO-6	0.00	0.03	
Total	1.033333333	1.035	
50%	0.51	0.51	1.02

**CS-502-MJ ARTIFICIAL INTELLIGENCE  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.63	1.62	
CO-2	1.64	1.63	
CO-3	0.00	0.08	
CO-4	1.67	1.66	
CO-5	1.68	1.67	
CO-6	0.00	0.09	
Total	1.103333333	1.125	
50%	0.55	0.56	1.11





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**CS-503-MJ PRINCIPAL OF PROGRAMMING  
LANGUAGE  
Total CO Attainment**

CO- Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.72	1.71	
CO-2	1.73	1.72	
CO-3	0.00	0.08	
CO-4	1.78	1.77	
CO-5	1.82	1.81	
CO-6	0.79	0.78	
Total	1.306666667	1.311666667	
50%	0.65	0.655	1.305

**CS-512-MJ CLOUD COMPUTING  
Total CO Attainment**

CO- Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.85	1.84	
CO-2	1.86	1.85	
CO-3	0.00	0.05	
CO-4	1.84	1.83	
CO-5	1.87	1.86	
CO-6	0.78	0.77	
Total	1.366666667	1.366666667	
50%	0.68	0.68	1.36



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**CS-531-RM RESEARCH METHODOLOGY  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.53	1.52	
CO-2	1.54	1.53	
CO-3	0.00	0.06	
CO-4	1.56	1.55	
CO-5	1.85	1.84	
CO-6	0.00	0.07	
Total	1.08	1.095	
50%	0.54	0.54	1.08

  
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**MSC II COMPUTER SCIENCE**

**CS-601-MJ SOFTWARE  
ARCHITECTURE AND  
DESIGN PATTERN  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.62	1.61	
CO-2	1.65	1.64	
CO-3	0.00	0.09	
CO-4	1.68	1.67	
CO-5	1.67	1.66	
CO-6	0.00	0.08	
Total	1.103333333	1.125	
50%	0.55	0.56	1.11

**CS-602-MJ MACHINE  
LEARNING  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.58	1.57	
CO-2	1.59	1.58	
CO-3	0.00	0.08	
CO-4	1.66	1.65	
CO-5	1.55	1.54	
CO-6	0.76	0.75	
Total	1.19	1.195	
50%	0.59	0.59	1.18





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**CS-603-MJ - INTERNET OF THINGS  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.87	1.86	
CO-2	1.78	1.77	
CO-3	0.00	0.05	
CO-4	1.82	1.81	
CO-5	1.75	1.74	
CO-6	0.00	0.07	
Total	1.203333333	1.216666667	
50%	0.60	0.6	1.2

**CS-614-MJ - SOFT COMPUTING  
Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.63	1.62	
CO-2	1.64	1.63	
CO-3	0.00	0.05	
CO-4	1.75	1.74	
CO-5	1.78	1.77	
CO-6	0.75	0.74	
Total	1.258333333	1.258333333	
50%	0.62	0.62	1.24

  
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**DEPARTMENT: COMMERCE**

**FIRST YEAR BACHELOR OF COMMERCE**

**121: Compulsory English (FY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.33	2.21	
2	CO2	2.69	2.02	
3	CO3	2.71	2.33	
4	CO4	2.6	2.19	
5	CO5	2.19	2.15	
Attainment		2.504	2.18	
weightage		80%	20%	
total attainment		2.0032	0.436	2.4392

**122: Financial Accounting (FY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assesment	Indirect Assesment	Total
1	CO1	2.48	2.02	
2	CO2	2.55	2.33	
3	CO3	2.85	2.1	
4	CO4	2.67	2.17	
5	CO5	2.88	2.04	
Attainment		2.686	2.132	
weight age		80%	20%	
total attainment		1.743	1.166	2.909



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## **123: Business Economics (FY.B.COM)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.34	2.31	
2	CO2	2.23	2.22	
3	CO3	2.45	2.14	
4	CO4	2.63	2.03	
5	CO5	2.39	2.14	
Attainment		2.408	2.168	
weightage		80%	20%	
total attainment		1.604	1.184	2.788

## **124 B: computer concept & application (FY.B.COM)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.31	2.22	
2	CO2	2.29	2.13	
3	CO3	2.43	2.1	
4	CO4	2.49	2.29	
5	CO5	2.36	2.32	
Attainment		2.376	2.212	
weightage		80%	20%	
total attainment		1.588	1.206	2.794





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**125 B: Banking & Finance (FY.B.COM)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.43	2.05	
2	CO2	2.68	2.02	
3	CO3	2.49	2	
4	CO4	2.66	2.16	
5	CO5	2.41	2.18	
Attainment		2.534	2.082	
weightage		80%	20%	
total attainment		1.667	1.141	2.808

**126 C: Marketing & Salesmanship (FY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assessments	Indirect Assessment	Total
1	CO1	2.34	2.16	
2	CO2	2.22	2.17	
3	CO3	2.56	2.08	
4	CO4	2.39	2.2	
5	CO5	2.46	2.19	
Attainment		2.394	2.16	
weightage		80%	20%	
total attainment		1.597	1.18	2.777





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**127 B: Marathi (FY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assessments	Indirect Assessment	Total
1	CO1	2.78	2.15	
2	CO2	2.67	2.31	
3	CO3	2.46	2.17	
4	CO4	2.65	2.06	
5	CO5	2.16	2.18	
Attainment		2.544	2.174	
weightage		80%	20%	
total attainment		1.672	1.187	2.859

**127 C: Hindi (FY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assessments	Indirect Assessment	Total
1	CO1	2.63	2.07	
2	CO2	2.78	2.11	
3	CO3	2.28	2.25	
4	CO4	2.49	2	
5	CO5	2.67	2.16	
Attainment		2.57	2.118	
weightage		80%	20%	
total attainment		1.685	1.159	2.844



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### **SECOND YEAR BACHELOR OF COMMERCE**

#### **241: BUSINESS COMMUNICATION (SY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.55	2.15	
2	CO2	2.35	2.1	
3	CO3	2.89	2	
4	CO4	2.8	2.37	
5	CO5	2.65	2.05	
Attainment		2.648	2.134	
weightage		80%	20%	
total attainment		1.724	1.167	2.891

#### **242: CORPORATE ACCOUNTING (SY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.56	2.25	
2	CO2	2.41	2.37	
3	CO3	2.68	2.18	
4	CO4	2.74	2.07	
5	CO5	2.55	2.03	
Attainment		2.588	2.18	
weightage		80%	20%	
total attainment		1.694	1.19	2.884





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**243: BUSINESS ECONOMICS (SY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.56	2.14	
2	CO2	2.49	2.33	
3	CO3	2.38	2.4	
4	CO4	2.67	2.1	
5	CO5	2.79	2.02	
Attainment		2.578	2.198	
weightage		80%	20%	
total attainment		1.689	1.199	2.888

**244: BUSINESS MANAGEMENT (SY.B.COM)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.79	2.18	
2	CO2	2.16	2.09	
3	CO3	2.45	2.12	
4	CO4	2.55	2.49	
5	CO5	2.68	2.13	
Attainment		2.526	2.202	
weightage		80%	20%	
total attainment		1.663	1.201	2.864





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## 245: ELEMENTS OF COMPANY LAW (SY.B.COM)

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.46	2.18	
2	CO2	2.69	2.22	
3	CO3	2.57	2.35	
4	CO4	2.66	2.02	
5	CO5	2.72	2.19	
Attainment		2.62	2.192	
weightage		80%	20%	
total attainment		1.71	1.196	2.906

## 246 A: BUSINESS ADMINISTRATION (SY.B.COM)

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.56	2.07	
2	CO2	2.89	2.19	
3	CO3	2.45	2.06	
4	CO4	2.33	2.22	
5	CO5	2.51	2.16	
Attainment		2.548	2.14	
weightage		80%	20%	
total attainment		1.674	1.17	2.844



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### 246 B : BANKING & FINANCE (SY.B.COM)

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.65	2.19	
2	CO2	2.49	2.33	
3	CO3	2.77	2.01	
4	CO4	2.66	2.21	
5	CO5	2.54	2.08	
Attainment		2.622	2.164	
weightage		80%	20%	
total attainment		1.711	1.182	2.893

### 246 E: COST & WORK ACCOUNTING (SY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.66	2.15	
2	CO2	2.39	2.06	
3	CO3	2.78	2.21	
4	CO4	2.48	2.14	
5	CO5	2.52	2.1	
Attainment		2.566	2.132	
weightage		80%	20%	
total attainment		1.683	1.166	2.849



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**THIRD YEAR BACHELOR OF COMERCE**

**361: BUSINESS REGULATORY FRAMEWORK (TY.B.COM)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.65	2.19	
2	CO2	2.75	2.06	
3	CO3	2.45	2.15	
4	CO4	2.31	2.22	
5	CO5	2.33	2.29	
Attainment		2.498	2.182	
weightage		80%	20%	
total attainment		1.649	1.191	2.84

**362: ADVANCED ACCOUNTING (TY.B.COM)**

CO Attainment				
Sr.No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.51	2.22	
2	CO2	2.49	2.16	
3	CO3	2.72	2.09	
4	CO4	2.45	2.05	
5	CO5	2.35	2.12	
Attainment		2.504	2.128	
weightage		80%	20%	
total attainment		1.652	1.164	2.816





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## 363 A: INDIAN & GLOBAL ECONOMICS (TY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.69	2.19	
2	CO2	2.5	2.46	
3	CO3	2.41	2.39	
4	CO4	2.39	2.4	
5	CO5	2.61	2.06	
Attainment		2.52	2.3	
weightage		80%	20%	
total attainment		1.66	1.25	2.91

## 364: AUDITING & TAXATION (TY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.39	2.09	
2	CO2	2.45	2.16	
3	CO3	2.66	2.25	
4	CO4	2.71	2.13	
5	CO5	2.31	2.05	
Attainment		2.504	2.136	
weightage		80%	20%	
total attainment		1.652	1.168	2.82



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### 365 A: BUSINESS ADMINISTRATION- II (TY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessments	Indirect Assessments	Total
1	CO1	2.41	2.08	
2	CO2	2.72	2.16	
3	CO3	2.55	2.06	
4	CO4	2.49	2.22	
5	CO5	2.31	2.03	
Attainment		2.496	2.11	
weightage		80%	20%	
total attainment		1.648	1.155	2.803

### 365 B : BANKING & FINANCE- II (TY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.46	2.19	
2	CO2	2.53	2.25	
3	CO3	2.71	2.31	
4	CO4	2.53	2.12	
5	CO5	2.44	2.08	
Attainment		2.534	2.19	
weightage		80%	20%	
total attainment		1.667	1.195	2.862





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### 365 E: COST & WORK ACCOUNTING - II (TY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.5	2.16	
2	CO2	2.75	2.04	
3	CO3	2.68	2.13	
4	CO4	2.35	2.06	
5	CO5	2.55	2.2	
Attainment		2.566	2.118	
weightage		80%	20%	
total attainment		1.683	1.159	2.842

### 366 A: BUSINESS ADMINISTRATION- III (TY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.69	2.13	
2	CO2	2.75	2.21	
3	CO3	2.55	2.03	
4	CO4	2.43	2.11	
5	CO5	2.33	2.17	
Attainment		2.55	2.13	
weightage		80%	20%	
total attainment		1.675	1.165	2.84





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### 366 B: BANKING & FINANCE- III (TY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.66	2.13	
2	CO2	2.49	2.21	
3	CO3	2.58	2.06	
4	CO4	2.47	2.17	
5	CO5	2.35	2.02	
Attainment		2.51	2.118	
weightage		80%	20%	
total attainment		1.655	1.159	2.814

### 366 E : COST & WORK ACCOUNTING - III (TY.B.COM)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.39	2.07	
2	CO2	2.55	2.19	
3	CO3	2.48	2.12	
4	CO4	2.61	2.21	
5	CO5	2.33	2.01	
Attainment		2.472	2.12	
weightage		80%	20%	
total attainment		1.636	1.16	2.796



  
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## **DEPARTMENT: COMMERCE**

### **FIRST YEAR MASTER OF COMMERCE**

#### **221: FINANCIAL ANALYSIS & CONTROL (M.COM - I)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.35	2.15	
2	CO2	2.48	2.07	
3	CO3	2.38	2.12	
4	CO4	2.97	2.21	
Attainment		2.545	2.1375	
weightage		80%	20%	
total attainment		1.6725	1.16875	2.84125

#### **222 A: Industrial Economics (M.COM - I)**

CO Attainment				
Sr.No	CO Number	Direct Assessments	Indirect Assessment	Total
1	CO1	2.37	2.15	
2	CO2	2.78	2.02	
3	CO3	2.62	2.21	
4	CO4	2.59	2.35	
Attainment		2.59	2.1825	
weightage		80%	20%	
total attainment		1.695	1.19125	2.88625





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### 233- Ethics & Professional Values (M.COM - I)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.41	2.08	
2	CO2	2.69	2.18	
3	CO3	2.73	2.24	
4	CO4	2.57	2.38	
5	CO5	2.68	2	
Attainment		2.616	2.176	
weightage		80%	20%	
total attainment		1.708	1.188	2.896

### 234- Elements of Knowledge Management (M.COM - I)

CO Attainment				
Sr.No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.44	2.07	
2	CO2	2.78	2.17	
3	CO3	2.67	2.28	
4	CO4	2.89	2	
5	CO5	2.51	2.15	
Attainment		2.658	2.134	
weightage		80%	20%	
total attainment		1.729	1.167	2.896



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## SECOND YEAR MASTER OF COMMERCE

### 421- Capital Market & Financial Services (M.COM-II)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.45	2.1	
2	CO2	2.36	2.25	
3	CO3	2.49	2.19	
4	CO4	2.75	2.04	
Attainment		2.5125	2.145	
weightage		80%	20%	2.82875
total attainment		1.65625	1.1725	

### 422 A- Industrial Economics Development (M.COM-II)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.77	2.13	
2	CO2	2.68	2.31	
3	CO3	2.54	2.19	
4	CO4	2.75	2.12	
Attainment		2.685	2.1875	
weightage		80%	20%	2.93625
total attainment		1.7425	1.19375	



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### 427- Recent Advances in Cost Auditing & Cost System (M.COM - II)

CO Attainment				
Sr.No	CO Number	Direct Assessment	Indirect Assessments	Total
1	CO1	2.75	2.06	
2	CO2	2.46	2.18	
3	CO3	2.67	2	
4	CO4	2.62	2.34	
5	CO5	2.45	2.1	
Attainment		2.59	2.136	
weightage		80%	20%	
total attainment		1.695	1.168	2.863

### 428- Project Work/ Case study (M.COM-II)

CO Attainment				
Sr.No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.75	2.06	
2	CO2	2.46	2.18	
3	CO3	2.67	2	
4	CO4	2.62	2.34	
5	CO5	2.45	2.1	
Attainment		2.59	2.136	
weightage		80%	20%	
total attainment		1.695	1.168	2.863





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### 433- Recent Advances in Business Administration (M.COM-II)

CO Attainment				
Sr.No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.78	2.17	
2	CO2	2.45	2.18	
3	CO3	2.67	2.3	
4	CO4	2.34	2.05	
5	CO5	2.71	2.14	
Attainment		2.59	2.168	
weightage		80%	20%	
total attainment		1.695	1.184	2.879

### 434- Project Work/ Case study (M.COM - II)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.64	2.12	
2	CO2	2.56	2.1	
3	CO3	2.76	2.19	
4	CO4	2.66	2.22	
5	CO5	2.46	2.02	
Attainment		2.616	2.13	
weightage		80%	20%	
total attainment		1.708	1.165	2.873

  
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**DEPARTMENT: WBAT**

**FIRST YEAR BACHELOR OF SCIENCE**

**WBAT-111: Basic Microbiology Paper I (FY.B. Sc)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	1.35	1	
2	CO2	1.54	1.5	
3	CO3	1.25	1	
Attainment		1.38	1.1666667	
weightage		80%	20%	
total attainment		1.104	0.2333333	1.337333333

**WBAT-112: Industrial Microbiology Paper I (FY.B. Sc)**

CO AttainmentB9:F16				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	1.45	1.5	
2	CO2	1.45	1.5	
3	CO3	1.35	1	
Attainment		1.42	1.333333333	
weightage		80%	20%	
total attainment		1.133333333	0.266666667	1.4



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## DEPARTMENT: WBAT

### FIRST YEAR BACHELOR OF SCIENCE

#### WBAT-111: Basic Microbiology Paper I (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	1.35	1	
2	CO2	1.54	1.5	
3	CO3	1.25	1	
Attainment		1.38	1.1666667	
weightage		80%	20%	
total attainment		1.104	0.2333333	1.33733333

#### WBAT-112: Industrial Microbiology Paper I (FY.B. Sc)

CO AttainmentB9:F16				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	1.45	1.5	
2	CO2	1.45	1.5	
3	CO3	1.35	1	
Attainment		1.42	1.33333333	
weightage		80%	20%	
total attainment		1.13333333	0.26666667	1.4



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**WBAT-113: Introduction to Botany (FY.B. Sc)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	0.67	1	
2	CO2	0.67	1	
3	CO3	0.77	1	
Attainment		0.70	1	
weightage		80%	20%	
total attainment		0.562666667	0.2	0.76267

**WBAT-114: Plant Development and Anatomy (FY.B. Sc)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	0.77	1	
2	CO2	0.77	1	
3	CO3	0.77	1	
Attainment		0.77	1	
weightage		80%	20%	
total attainment		0.616	0.2	0.816





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**WBAT-115: Basic Biochemistry Paper I (FY.B. Sc)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.80	3	
2	CO2	2.80	3	
3	CO3	2.61	2.5	
Attainment		2.74	2.833333333	
weightage		80%	20%	
total attainment		2.189333333	0.566666667	2.756

**WBAT-116: Metabolic Pathways Paper (FY.B. Sc)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	1.16	1	
2	CO2	1.16	1	
3	CO3	1.93	1.5	
Attainment		1.42	1.166666667	
weightage		80%	20%	
total attainment		1.133333333	0.233333333	1.36667



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## WBAT-117: Wine Technology (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	0.77	1	
2	CO2	1.74	1.5	
3	CO3	2.41	2	
Attainment		1.64	1.5	
weightage		80%	20%	
total attainment		1.312	0.3	1.612

## WBAT-118: Sensory Evaluation of wine paper I (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.03	2	
2	CO2	2.03	2	
3	CO3	1.93	2	
Attainment		2.00	2	
weightage		80%	20%	
total attainment		1.597333333	0.4	1.99733



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## WBAT-121: Basic Microbiology Paper II (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.80	2.5	
2	CO2	2.80	2.5	
3	CO3	2.03	2	
Attainment		2.54	2.333333333	
weightage		80%	20%	
total attainment		2.034666667	0.466666667	2.50133

## WBAT-122: Industrial Microbiology Paper II (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.61	2.5	
2	CO2	2.61	2.5	
3	CO3	2.41	2	
Attainment		2.54	2.333333333	
weightage		80%	20%	
total attainment		2.034666667	0.466666667	2.50133





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## WBAT-123: Plant Physiology (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	0.87	1	
2	CO2	0.87	1	
3	CO3	0.77	1	
Attainment		0.84	1	
weightage		80%	20%	
total attainment		0.669333333	0.2	0.86933

## WBAT-124: Applied Botany (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	1.61	1.5	
2	CO2	1.61	1.5	
3	CO3	1.64	1.5	
Attainment		1.62	1.5	
weightage		80%	20%	
total attainment		1.296	0.3	1.596



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## **WBAT-125: Basic Biochemistry Paper II (FY.B. Sc)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.22	2	
2	CO2	2.22	2	
3	CO3	1.83	2.5	
Attainment		2.09	2.166666667	
weightage		80%	20%	
total attainment		1.672	0.433333333	2.10533

## **WBAT-126: Metabolic Pathways Paper II (FY.B. Sc)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.61	2.5	
2	CO2	2.61	2.5	
3	CO3	1.74	1.5	
Attainment		2.32	2.166666667	
weightage		80%	20%	
total attainment		1.856	0.433333333	2.28933





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## WBAT-127: Introduction to Beer, Wine and Alcohol Technology (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.03	2	
2	CO2	2.03	2	
3	CO3	2.03	2	
Attainment		2.03	2	
weightage		80%	20%	
total attainment		1.624	0.4	2.024

## WBAT-128: Sensory evaluation of wine paper-II (FY.B. Sc)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.70	2.5	
2	CO2	2.70	2.5	
3	CO3	2.70	2.5	
Attainment		2.70	2.5	
weightage		80%	20%	
total attainment		2.16	0.5	2.66



  
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**DEPARTMENT: WINE TECHNOLOGY**

**SECOND YEAR BACHELOR OF SCIENCE (2022-23)**

**SEM - III**

**WBAT- 231: YEAST TECHNOLOGY PAPER -I (S.Y.B.Sc.)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.19	2.03	
2	CO2	1.96	1.9	
3	CO3	1.85	1.8	
Attainment		2	1.91	
weightage		80%	20%	
total attainment		1.6	0.382	1.982

**WBAT-232: FERMENTATION TECHNOLOGY PAPER-I (S.Y.B.Sc.)**

CO Attainment				
Sr. No.	CO Number	Direct Assesment	Indirect Assesment	Total
1	CO1	1.96	1.9	
2	CO2	1.96	1.9	
3	CO3	1.85	1.8	
Attainment		1.92	1.87	
weight age		80%	20%	
total attainment		1.536	0.374	1.91



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**WBAT- 233: BREWING TECHNOLOGY PAPER-I (S.Y.B.Sc.)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.19	2.04	
2	CO2	1.62	1.5	
3	CO3	1.85	1.8	
Attainment		1.89	1.78	
weightage		80%	20%	
total attainment		1.512	0.356	1.868

**WBAT-234 ALCOHOL TECHNOLOGY PAPER-II (S.Y.B.Sc.)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.54	2.5	
2	CO2	2.08	1.95	
3	CO3	1.85	1.8	
Attainment		2.16	2.08	
weightage		80%	20%	
total attainment		1.728	0.416	2.144



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**WBAT- 235: BIOCHEMISTRY PAPER-III (S.Y.B.Sc)**

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.54	2.5	
2	CO2	2.42	2.4	
3	CO3	2.31	2.2	
Attainment		2.42	2.37	
weightage		80%	20%	
total attainment		1.936	0.474	2.41

**WBAT- 236: VINEYARD TECHNOLOGY PAPER -I (S.Y.B.Sc.)**

CO Attainment				
Sr. No.	CO Number	Direct Assessments	Indirect Assessment	Total
1	CO1	2.08	1.95	
2	CO2	1.73	1.7	
3	CO3	1.73	1.6	
Attainment		1.85	1.75	
weightage		80%	20%	
total attainment		1.48	0.35	1.83





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## WBAT-237: ENVIRONMENTAL AWARENESS (S.Y.B.Sc.)

CO Attainment				
Sr. No.	CO Number	Direct Assessments	Indirect Assessment	Total
1	CO1	1.85	1.8	
2	CO2	1.04	1.0	
3	CO3	1.04	0.98	
Attainment		1.31	1.26	
weightage		80%	20%	
total attainment		1.048	0.252	1.3

## WBAT- 238: ENGLISH COMMUNICATION (S.Y.B.Sc)

CO Attainment				
Sr. No.	CO Number	Direct Assessments	Indirect Assessment	Total
1	CO1	2.42	2.3	
2	CO2	1.85	1.8	
3	CO3	1.73	1.7	
Attainment		2	1.93	
weightage		80%	20%	
total attainment		1.6	0.386	1.986



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**DEPARTMENT: WINE TECHNOLOGY**

**SECOND YEAR BACHELOR OF SCIENCE (2022-23)**

**SEM - IV**

**WBAT- 241: YEAST TECHNOLOGY (S.Y.B.Sc.)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.42	2.3	
2	CO2	2.30	2.3	
3	CO3	1.85	1.8	
Attainment		2.19	2.13	
weightage		80%	20%	
total attainment		1.752	0.426	2.178

**WBAT- 242: FERMENTATION TECHNOLOGY-II (S.Y.B.Sc)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.19	2.06	
2	CO2	2.19	2.08	
3	CO3	1.50	1.5	
Attainment		1.96	1.88	
weightage		80%	20%	
total attainment		1.568	0.376	1.944



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### WBAT- 243: WINE TECHNOLOGY-I (S.Y.B.Sc.)

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.42	2.3	
2	CO2	2.19	2.1	
3	CO3	2.08	1.98	
Attainment		2.23	2.13	
weightage		80%	20%	
total attainment		1.784	0.426	2.21

### WBAT-244: WINE TECHNOLOGY-II (S.Y.B.Sc.)

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.65	2.6	
2	CO2	2.42	2.4	
3	CO3	2.31	2.2	
Attainment		2.46	2.4	
weightage		80%	20%	
total attainment		1.968	0.48	2.448





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## **WBAT- 245: WASTE TREATMENT-I (S.Y.B.Sc.)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.08	1.98	
2	CO2	1.85	1.8	
3	CO3	1.62	1.6	
Attainment		1.85	1.79	
weightage		80%	20%	
total attainment		1.48	0.358	1.838

## **WBAT- 246: WINE TECHNOLOGY- II (S.Y.B.Sc.)**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	1.38	1.3	
2	CO2	1.04	1.0	
3	CO3	0.92	0.9	
Attainment		1.11	1.07	
weightage		80%	20%	
total attainment		0.888	0.214	1.102



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## WBAT- 247: ENVIRONMENTAL AWARENESS (S.Y.B.Sc.)

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	1.85	1.8	
2	CO2	1.96	1.9	
3	CO3	1.50	1.5	
Attainment		1.77	1.73	
weightage		80%	20%	
total attainment		1.416	0.346	1.762

## WBAT-248: ENGLISH COMMUNICATION (S.Y.B.Sc.)

CO Attainment				
Sr. No	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.77	2.7	
2	CO2	2.65	2.6	
3	CO3	2.19	2.1	
Attainment		2.54	2.47	
weightage		80%	20%	
total attainment		2.032	0.494	2.526

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## DEPARTMENT: SCIENCE(WINE TECHNOLOGY)

### FIRST YEAR MASTER OF WINE, BREWING AND ALCOHOL TECHNOLOGY

SEM-I

#### WT-1.1: Viticulture

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	3.00	2.9	
2	CO2	3.00	2.9	
3	CO3	2.94	2.9	
4	CO4	2.94	2.8	
5	CO5	2.81	2.8	
6	CO6	2.88	2.8	
Attainment		2.93	2.85	
weightage		80%	20%	
total attainment		2.34	0.57	2.91

#### WT-1.2 Microbiology of alcohol, beer and wine

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.44	2.5	
2	CO2	2.06	2	
3	CO3	1.94	2	
4	CO4	1.75	2	
5	CO5	1.88	2.2	
6	CO6	1.88	2.1	
Attainment		1.99	2.13	
weightage		80%	20%	
total attainment		1.6	0.43	2.03





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### WT-1.3 Biochemistry of alcohol, beer and wine

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.44	2	
2	CO2	2.31	2.4	
3	CO3	2.44	2.5	
4	CO4	2.31	2.4	
5	CO5	2.13	2.2	
6	CO6	2.13	2.2	
Attainment		2.29	2.83	2.4
weightage		80%	20%	
total attainment		1.83	0.57	

### WT-1.5 Fermentation Technology

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.91	2.9	
2	CO2	2.54	2.5	
3	CO3	2.87	2.5	
Attainment		2.77	2.63	
weightage		80%	20%	2.75
total attainment		2.22	0.53	



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## **SEM-II**

### **WT-2.1 Alcohol Technology-I**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.00	2	
2	CO2	2.38	2.4	
3	CO3	1.88	2	
4	CO4	1.88	2	
5	CO5	1.69	1.9	
6	CO6	1.63	1.9	
Attainment		1.91	2.03	
weightage		80%	20%	
total attainment		1.53	0.41	1.94

### **WT-2.2 Brewing Technology-I**

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.19	2	
2	CO2	2.44	2.4	
3	CO3	2.25	2	
4	CO4	2.25	2	
5	CO5	2.13	2	
6	CO6	2.06	2	
Attainment		2.22	2.07	
weightage		80%	20%	
total attainment		1.78	0.41	2.19





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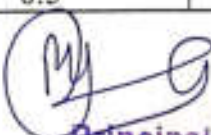
## WT-2.3 Enology-I

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.44	2.4	
2	CO2	2.56	2.4	
3	CO3	2.38	2.4	
4	CO4	2.13	2	
5	CO5	2.19	2	
6	CO6	2.06	2	
Attainment		2.29	2.2	
weightage		80%	20%	
total attainment		1.83	0.44	2.27

## WT-2.5 Chemical and Plant Engineering

CO Attainment				
Sr. No.	CO Number	Direct Assessment	Indirect Assessment	Total
1	CO1	2.88	2.5	
2	CO2	2.69	2.5	
3	CO3	2.63	2.5	
Attainment		2.73	2.5	
weightage		80%	20%	
total attainment		2.18	0.5	2.68



  
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**DEPARTMENT: WBAT**

**MASTER OF SCIENCE PART-II**

**WT 3.1 ALCOHOL TECHNOLOGY II**

**Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.59	2.36	
CO-2	2.35	2.3	
CO-3	2.43	2.4	
CO-4	2.10	2.1	
CO-5	2.02	2.01	
CO-6	1.54	1.51	
Total	13.03/6=2.17	12.68/6=2.11	
50%	1.08	1.05	2.13

**WT. 3.2 BREWING TECHNOLOGY II**

**Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.43	2.4	
CO-2	2.51	2.5	
CO-3	2.43	2.4	
CO-4	2.59	2.5	
CO-5	2.51	2.5	
CO-6	2.03	2.03	
Total	14.5/6 = 2.41	14.33/6 = 2.38	
50%	1.20	1.19	2.39



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### **WT.3.3 ENOLOGY II Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.43	2.4	
CO-2	2.51	2.5	
CO-3	2.51	2.5	
CO-4	2.59	2.5	
CO-5	2.59	2.5	
CO-6	2.43	2.4	
Total	15.06/6= 2.51	14.8/6 =2.46	
50%	1.25	1.23	2.48

### **WT 3.5 MARKETING OF ALCOHOLIBEVERAGES.**

#### **Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	3.00	2.5	
CO-2	2.67	2.6	
CO-3	1.54	1.5	
Total	7.21/3 = 2.40	6.6/3= 2.2	
50%	1.20	1.1	2.3



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## **WT 4.1 INDUSTRIAL WASTE TREATMENT AND ENVIRONMENTAL MANAGEMENT Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.36	2.3	
CO-2	2.44	2.4	
CO-3	2.36	2.3	
CO-4	2.52	2.5	
CO-5	2.44	2.4	
CO-6	1.97	1.98	
Total	14.09/6 = 2.34	13.88/6 = 2.31	
50%	1.17	1.15	2.32

## **WT.4.2 BUSINESS MANAGEMENT Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	2.76	2.7	
CO-2	2.68	2.6	
CO-3	2.68	2.6	
CO-4	2.84	2.8	
CO-5	2.68	2.6	
CO-6	2.68	2.6	
Total	16.32/6 = 2.72	15.9/6 = 2.65	
50%	1.36	1.32	2.68





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## **WT4.3 CHEMICAL AND PLANT ENGINEERING II Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.10	1.1	
CO-2	1.02	1	
CO-3	0.86	0.8	
CO-4	0.63	0.6	
CO-5	0.71	0.7	
CO-6	0.94	0.9	
Total	$5.26/6 = 0.87$	$5.10/6 = 0.85$	
50%	0.43	0.42	0.85

## **WT.4.5.1. ALCOHOL TECHNOLOGY III Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	0.71	0.7	
CO-2	0.71	0.7	
CO-3	0.78	0.75	
Total	$2.2/3 = 0.73$	$2.15/3 = 0.72$	
50%	0.36	0.36	0.72



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## **WT. 4.6.1. BREWING TECHNOLOGY III**

### **Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	1.29	1.25	
CO-2	1.29	1.25	
CO-3	1.21	1.2	
Total	$3.79/3 = 1.26$	$3.7/3 = 1.23$	
50%	0.63	0.61	1.24

## **WT.4.7.1. ENOLOGY III**

### **Total CO Attainment**

CO-Number	Direct Assessment	Indirect Assessment	Total
CO-1	0.78	0.75	
CO-2	0.71	0.71	
CO-3	0.63	0.6	
Total	$2.12/3 = 0.70$	$2.06/3 = 0.68$	
50%	0.35	0.34	0.69



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