



JANATA SHIKSHAN PRASARAK MANDAL'S
MARUTRAOJI GHULE PATIL ART'S, COMMERCE AND SCIENCE COLLEGE,
Dist-Ahmednagar, Pin- 414111 (Maharashtra)



Assessment and Accreditation Document

1st cycle

A.Y. 2017-2018 to 2021-2022

CRITERION – II-Teaching , Learning and Evaluation

K.I's- 6.3.Student performance learning Outcome

**Details 6.3.2. Preprogramme outcome and Course outcome
Attainment**



Bahujan Hitay , Bahujan Sukhay!
Janata Shikshan Prasarak Mandal's
**MARUTRAOJI GHULE PATIL ART'S,
COMMERCE AND SCIENCE COLLEGE**
Ahmednagar, 414111 Ph.No. 0241-2779497
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Principal - **Dr. A.K. Pandarkar** (M.Sc.Ph.D.FZSI)

Online College Code No-C02430 ID No PU/AN/ACS/111/2009 College Code No.893, Pun.Code-CAAA017120

Ref. No. MGP/SSR/2023-24/21

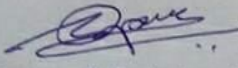
Date 05/06/2023

DECLARATION


This is to Declare that this document is Prepared by Internal Quality Assurance Cell (IQAC). All the supportive documents, Links, Reports, Presentation, Photographs, Numerical Data and True copy etc. Submitted/Presented in this document are verified by IQAC. The declaration is for the purpose of NAAC accreditation of HEI for 1st Cycle academic year 2017-2018 to 2021-2022.

Date : 05/06/2023

Place : Ahmednagar .


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IQAC
Co-Ordinator
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Dr. A. K. Pandarkar
PRINCIPAL
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College Code-893



2.6.3 Student Performance and Learning Outcomes		
	INDEX	Page no
1.	Outcome base Education (OBE)	5
2.	CO.PO. Mapping	7
3.	Policy document	9
4.	Manual of OBE	10
5.	Sample of format mapping	11
6.	P.O. C.O. Mapping Charts	12
7.	P.O.C.O. Mapping of Arts	13
8.	P.O.C.O. Mapping of Commerce	22
9.	P.O.C.O. Mapping of Science	25
10.	P.O.C.O. Mapping of Computer Science	31
11.	Course Outcome Attainment Format	39
12.	Representative Attainment	42
13.	Link for Attainment	44



Outcome Base Education (OBE)

Outcome Base Education (OBE) is an educational theory that bases each part of an educational system around goals (outcomes). Each student should have achieved the goal by the end of the educational experience. The Outcome Based Education (OBE) system implemented at Marutraoji Ghule Patil Art's, Commerce and Science college Ahmednagar. IQAC has developed the manual serves as valuable guidelines for the faculty to develop an assessment plan in the process to measure the outcome of the students during their course of study and also after their graduation. The manual outlines the process involved in developing a constructive curriculum development and content delivery or teaching plan.

P.O.,C.O. Orientation

College has clearly stated the POs for each programme and COs for all the courses of the respective programmes. communicated to students through the prospectus, departmental notice boards, college website and through the Principal's Address at the beginning of the academic session, student induction programmes and mentoring sessions. Also, the teachers use these outcomes for preparing teaching plans which are displayed on departmental notice boards and also communicated through classrooms. POs are the statements describing about knowledge, qualities, attitude, skills and competencies to be acquired by the students after the completion of the programme.. POs stated are in tune with the Vision-Mission statement and learning objectives.

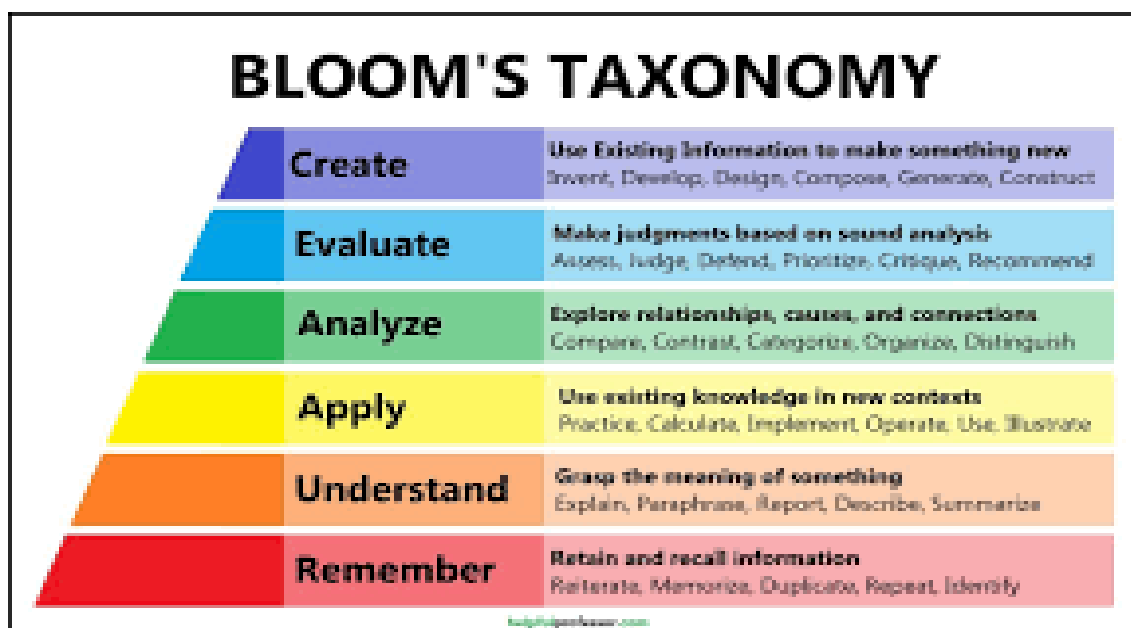
OBE Implementation

Graduate Attributes-

Outcome Base Education College has stated Graduate Attributes and POs on the basis of course curriculum and UGC's-LOCF. COs for all courses are designed by University. With its students imbued with the scientific knowledge, critical thinking, experimental skills, communication skills, management skills, problem-solving approach, team building, leadership qualities, proficiency towards modern equipment's, environmental and social awareness, ethics and human values and a lifelong learning desire

Bloom's taxonomy-

the respective departments considering Bloom's taxonomy for the delivering of the curriculum. As per the Bloom's taxonomy level student OBE achievement can be measure. The faculty developed the Question paper as per Bloom's taxonomy in concurrent assessment .



Concurrent assessment- concurrent assessment is the key role in the attainment of PO. And C.O. the faculty members prepare the CIE calendar for the concurrent assessment though out academic year . with the tools of assessment like tutorial, assignment , seminar, internal term exam, surprise test, project work, rubrics. teaching plan, attendance, records of class tests, tutorial, seminar, viva-voce, course completion certificate, laboratory/project, result sheets and CO mapping and attainments

Course outcome(C.O.) and Programme outcome (P.O.) mapping

Teachers follow these POs, COs as while framing the questions for internal assessment. Prospectus of the college, website, departmental meetings and personal counselling proved to be important for the achievement of the outcomes. Evaluation of the Attainment of COs and POs: Overall attainment of the COs and POs is evaluated by the respective department. .

Course outcome(C.O.) and Programme outcome (P.O.) attainment

The attainment of COs is evaluated directly in terms of performance of the students in the university examinations. The respective departments evaluate the overall attainment level of the entire COs for each course using a pre-defined procedure. As an example, if, for a given course, 50% of the students score > 50% marks in the examination; then the overall attainment level of the COs is said to be Level-1 (lowest level); similarly for 60% score, Level-2 (moderately) and for 70% it will be Level-3 (highest level).



CO – PO AND CO – PSO MAPPING

Program Specific Outcomes are the statements that assert what the graduates of a specific engineering program should do what they can able to do. Program Educational Objectives are the broad statements which describe in detail about the career and professional accomplishments after significant years of graduation that the program prepares the graduates to achieve.

After CO statements are developed by the course in-charge, CO will map with any possible PO's based on the relationship exist between them. But the PO's are not necessarily mapped with any one CO and it may be left blank. Anyhow, it is mandatory that all POs should be mapped with any one of PSO and PEO which are specified in the program. All the courses together must cover all the POs (and PSOs). For a course we map the COs to POs through the CO-PO matrix and to PSOs through the CO-PSO matrix as shown below. The various correlation levels are:

“1” – Slight (Low) Correlation

“2” – Moderate (Medium) Correlation

“3” – Substantial (High) Correlation

“-” indicates there is no correlation.

Levels of Outcomes

There are four levels of outcome such as Course Outcome (CO), Program Outcome (PO), Program Specific Outcome (PSO) and Program Educational Objective (PEO). Course Outcomes are the statements that declare what students should be able to do at the end of a course. POs are defined by Accreditation Agencies of the country which are the statements about the knowledge, skills and attitudes, graduate attributes of a formal engineering program should have. Graduates Attributes (GAs) are the components indicative of the graduate's potential to acquire competence to practice at the appropriate level. GAs form a set of individually assessable outcomes of the program. The UGC laid down the graduate attributes relating to program outcomes and is to be derived by program.

The Program outcomes reflect the ability of graduates to demonstrate



knowledge in fundamentals of Basic Sciences, Humanities and Social Sciences, Engineering Sciences and apply these principles in understanding and practically apply the knowledge in professional core subjects, electives and projects which enables the graduates to be competent at the time of graduation. The graduates must adhere to professional and ethical responsibilities in the pursuit of their careers and also for the benefit of the society. These outcomes also enable the graduate to pursue higher studies and engage in R&D for a successful professional career.

The proper definition and the attainment of POs contribute to the attainment of Program Educational Objectives which will help the graduate to perform his/ her duties, professional responsibilities, design, development, production and testing of novel products, ability to deal with finances and project management during his/her early professional career of 3 to 4 years.

Policy Document

Link for policy <https://mgpcollege.com/wp-content/uploads/2023/07/C.O.-P.O.-Comunication-policy.pdf>





Janata shikshan Prasarak mandal's
MARUTRAOJI GHULE PATIL ARTS'S, COMMERCE AND
SCIENCE COLLEGE, AHMEDNAGAR.

COURSE OUTCOME
COMMUNICATION POLICY


COURSE OUTCOME COMMUNICATION TO STAFF AND STUDENT
AND
CO - PO AND CO - PSO MAPPING

 **IQAC Department**
Janata Shikshan Prasarak Mandal's
Marturaoji Ghule Patil Art's, Commece And Science College

Outcome Base Education (OBE) Manual

Link to HEI website <https://mgpcollege.com/wp-content/uploads/2023/07/MGP-OBE-manual.pdf>

MGP COLLEGE OBE MANUAL




Janta Shikshan Prasarak Mandal's

Marutraoji Ghule Patil Art's, Commerce and Science College,
Ahmednagar

(Affiliated to Savitribai Phule Pune University, Pune)

Program Outcomes(PO),
Program Specific Outcomes(PSO)
and
Course Outcomes(CO)

Assessment and Attainment Manual




Prepare By IQAC Department – Marutraoji Ghule Patil Arts, Commerce and Science College , Ahmednagar 414111

1 | Page

P.O. C.O. Mapping Charts

P.O. And C.O. mapping is one of the most important process in OBE. IQAC department organise the orientation for faculty about P.O. & C.O. mapping and the formats of mapping is prepared by IQAC. It format works in Excel sheet with help to calculate overall mapping average.

Sample of Format

															
Janata shikshan Prasarak Mandal's															
Marutraoji Ghule Patil Art's, Commere and Science College, A.Nagar															
Academic Year - 2020-2021															
Name of the course		CC-1D ADHUNIK HINDI VYANGYA SAHITYA TATHA VYAVAHARIK HIN								Course code		24093			
Programme		Bachelor of Arts		Pattern		CBCS 2019		Class		SYBA					
Name of Faculty		DAHATONDE SOPAN BHANUDAS													
CO-PO Mapping															
Course ourcom	Programme outcome								Programme Specific outcome					Avg.	
	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O.1	P.S.O.2	P.S.O.3	P.S.O.5	P.S.O.6		
C.O.1	2	2	3	2	2	2	-	-	2	2	2	3	2		
C.O.2	3	2	2	2	3	3	-	-	1	2	1	1	2		
C.O.3	1	3	2	2	2	-	-	-	2	-	2	2	2		
C.O.4	3	3	2	2	3	2	-	-	-	1	1	2	1		
C.O.5	3	1	2	2	3	1	-	-	2	3	2	1	-		
C.O.6	-	-	-	-	-	-	-	-	-	-	-	-	-		
C.O.7	-	-	-	-	-	-	-	-	-	-	-	-	-		
Avg. of Mapping	2.4	2.2	2.2	2	2.6	8	0	0	1.75	2	1.6	1.8	1.75	2.18	
Co-relation level 1=low co-relation ,2= medium corelation , 3= Highly corelation															
course Faculty				H.O.D.				IQAC				Principal			

All the faculty members prepare there mapping and Handover to Faculty in-Charge. Faculty in- Charge certified it and submit to IQAC dept. after Certification of IQAC overall Mapping chart is prepare and share to HEI website. Mapping Link of Website <https://mgpcollege.com/co-po-mapping/>

Charts of Mapping

P.O.C.O. Mapping of Arts

P.O.C.O. Mapping of Commerce

P.O.C.O. Mapping of Science


P.O.C.O. Mapping of Computer Science




Format of Course Wise Programme outcome Mapping
Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Arts **CBCS 2019**
Course wise P.O. and P.S.O. Mapping Chart



YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O. 1	P.S.O.	P.S.O.3
Frist year B.A. SEMI	MARATHI SAHITYA: KATHA & BHASHIK K. VIKAS	11021	2.6	2	1.3	1.8	2	1.6	-	-	-	-	1.3	1.8	2
	VAIKALPIK HINDI PRASHNPATRA-IA	11092	2.4	2.4	2.6	2.6	2.4	2.4	2.2	-	-	-	2.6	2.4	2.4
	COMPULSORY ENGLISH	11001	3.0	2.0	1.5	2.5	1.5	-	-	-	-	-	1.5	2.0	1.5
	INDIAN ECONOMIC ENVIRONMENT-I	11151	1.0	2.8	2.8	2.0	2.0	-	-	-	-	-	2.0	2.2	2.4
	EARLY INDIA : FROM PREHISTORY TO THE AGE OF MAURYAS	11171	2.6	2.6	2.6	2.6	2.8	-	-	-	2.8	2.8	2.3	2.5	2.5
	PHYSICAL GEOGRAPHY	11201	2.4	2.4	2.6	2.6	2.4	-	-	-	2.4	2.2	2.6	2.4	2.4
	INTRODUCTION TO INDIAN CONSTITUTION	11161	2.5	2.5	3.0	1.0	2.5	2.0	1.5	-	-	-	2.0	1.5	2.0
1 year B.A. SEM2	MARATHI SAHITYA: AKANKIKA & BHASHIK K. VIKAS	12021	2.5	2.6	2.6	2.6	2.3	2.5	1.5	-	-	-	1.5	1.8	2.3
	VAIKALPIK HINDI PRASHNPATRA-IIA	12092	2.5	2.3	2.5	2.5	2.8	2.5	2.5	-	-	-	2.3	3.0	2.5
	COMPULSORY ENGLISH	12001	3.0	2.2	2.5	2.5	1.5	-	-	-	-	-	1.5	2.0	1.5
	INDIAN ECONOMIC ENVIRONMENT-II	12151	2.4	2.8	2.8	2.5	2.8	-	-	-	-	-	2.4	2.2	2.4
	EARLY INDIA :POST MAURYAN AGE TO THE RASHTRAKUTAS	12171	2.6	2.6	2.6	2.6	2.8	-	-	-	2.8	2.8	2.3	2.5	2.5


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PRINCIPAL
 Marutraoji Ghule Patil Arts,
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 Nagapur, Ahmednagar
 College Code-893



Format of Course Wise Programme outcome Mapping
 janata shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science college Ahmednagar
Name of Programme Bachelor of Arts **CBCS 2019**
Course wise P.O. and P.S.O. Mapping Chart



Firts YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O. 1	P.S.O.	P.S.O.3
Firts	HUMAN GEOGRAPHY	12201	2.4	2.4	2.6	2.6	2.4	—	—	—	2.4	2.2	2.6	2.4	2.4
	INTRODUCTION TO INDIAN CONSTITUTION-II	12061	2.5	2.5	3.0	1.0	2.5	2.0	1.5	—	—	—	2.0	1.5	2.0
	DEMOCRACY, ELECTION & GOVERNANCE	12999	2.5	2.5	1.5	3.0	2.5	—	—	—	—	—	—	—	—
Arts SEM.3	COMPULSORY ENGLISH	23001	2.5	2.3	1.7	1.3	1.5	—	—	—	—	—	1.8	2.0	1.3
	CC-1C BHASHIK KAUSHALYAVIKAS ANI ADHUNIK MARATHI SAHITYA	23023	2.0	2.4	2.0	2.4	2.1	2.0	—	—	—	—	—	—	—
	CC-1C ADHUNIK HINDI KAVYA ,KAHANI TATHA VYAVAHARIK HINDI SEM 3	23093	2.0	2.3	2.5	1.8	1.5	1.8	2.0	—	—	—	2.3	2.3	2.5
	CC-1C FINANCIAL SYSTEM 1	23053	2.0	1.6	1.8	1.6	1.7	1.3	1.7	2.0	—	—	1.5	1.8	2.6
	CC-1C HISTORY OF THE MARATHAS :(1630- 1707)	23174	2.1	1.7	2.0	1.7	1.9	—	—	—	—	—	2.0	1.7	1.9
	CC-1C GG201(A) ENVIRONMENTAL GEOGRAPHY -I	23204	2.4	2.2	2.2	2.4	2.8	—	—	—	1.8	2.3	1.6	1.8	1.8
	CC-2C AN INTRODUCTION TO POLITICAL IDEOLOGIES	23063	2.7	2.0	1.7	1.7	—	—	—	—	—	—	1.7	2.3	2.0
	DSE 1ADHUNIK MARATHI SAHITYA: PRAKASHVATA	23021	2.2	1.4	2.0	2.2	2.2	1.4	2.0	2.2	—	—	2.2	1.4	2.0
DSE-2B SAHITYA VICHAR	23022	1.7	1.6	1.7	2.4	2.0	2.3	2.4	—	—	—	2.0	1.6	2.0	

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Nagapur, Ahmednagar
College Code-893



Format of Course Wise Programme outcome Mapping
Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Arts **CBCS 2019**
Course wise P.O. and P.S.O. Mapping Chart



YEAR	Name of course	Course Code	P.O.										P.S.O.		
			P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O.1	P.S.O.2	P.S.O.3
Second Year Bachelor of Arts	SEC-2A PRAKASHAN VYAVAHAR ANI SAMPADAN	23025	1.5	2.3	1.9	2.5	2.3	2.0	-	-	-	-	2.3	1.8	2.8
	MIL-MARATHI BHASHIK SAUDNYAPAN KUSHALYE	23011	2.6	2.0	2.0	1.2	1.8	1.6	-	-	-	-	1.2	1.8	1.6
	DSE-1A MICRO ECONOMICS -I	23051	1.5	1.7	1.8	2.0	1.8	-	-	2.3	1.4	1.3	1.5	2.0	2.0
	DSE-2A MACRO ECONOMICS -I	23152	2.0	2.3	2.6	2.3	2.3	-	-	2.8	2.0	3.0	2.8	2.8	3.0
	SEC-2A BASIC CONCEPT OF RESEARCH METHODOLOGY -I	23154	2.0	1.8	2.3	1.7	2.0	-	-	1.3	1.5	1.7	2.3	1.8	2.8
	Hindi Bhasha Shikshan MIL Sem 3	23012	2.5	2.0	2.5	2.5	2.5	-	-	-	2.5	2.5	2.3	2.5	-
	DSE-1A KAVYASHASTRA SAMANYA (S-1)	23091	2.4	2.2	2.0	2.4	2.4	-	-	-	2.8	2.8	2.2	1.8	1.0
	DSE-2A MADHYAYUGIN KAVYA TATHA UPANYAS SAHITYA (S-2)	23092	2.4	2.2	2.2	2.4	2.8	-	-	-	1.8	2.3	1.6	1.8	1.8
	SEC-2A ANUVAD SWARUP EVAM VYAVAHAR	23096	2.6	3.0	2.6	2.6	2.8	-	-	-	2.8	2.7	2.5	2.5	2.5
	DSE-1B MEDIEVAL INDIA- MUGHAL PERIOD	23171	2.4	2.2	2.4	2.4	2.2	-	-	-	2.3	2.5	2.3	2.3	2.5
	DSE-2B GLIMPSES OF THE MODERN WORLD - PART 1	23172	2.5	1.8	1.7	1.8	2.0	-	-	-	-	-	1.7	1.8	2.0
	SEC-2A ART & ARCHITECTURE IN EARLY INDIA	23176	2.3	1.9	1.6	1.8	1.3	2.3	1.9	-	-	-	1.6	1.8	1.3

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College Code-893




Format of Course Wise Programme outcome Mapping
Janata Shikshan Prasarak Mandals
Mantraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Arts CBCS 2019
Course wise P.O. and P.S.O. Mapping Chart



YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O.1	P.S.O.2	P.S.O.3
	AEC ENVIRONMENTAL SCIENCE	24999	2.6	2.6	2.8	1.7	2.7	-	-	-	2.2	1.0	1.0	-	-
Bachelor of Arts SEM.4	COMPULSORY ENGLISH	24023	2.0	1.9	2.2	2.1	2.4	2.0	-	-	-	-	2.3	3.0	2.5
	CC-1C FINANCIAL SYSTEM I	23053	2.0	1.6	2.3	3.0	1.7	-	-	2.0	1.3	1.7	1.5	1.8	2.6
	CC-1D ADHUNIK HINDI VYANGYA SAHITYA TATHA VYAVAHARIK HIN	24093	2.4	2.2	2.2	2.0	2.6	-	-	-	1.8	2.0	1.6	1.8	1.8
	CC-1C BHASHIK KAUSHALYAVIKAS ANI ADHUNIK MARATHI SAHITYA	24023	2.0	1.9	2.0	2.4	2.1	2.0	1.4	-	-	-	1.7	1.4	1.9
	CC-2D HISTORY OF THE MARATHAS (1630-1707)	24174	2.1	1.7	2.5	2.3	2.4	-	-	-	-	-	2.0	1.7	1.9
	CC-1C GG201(A) ENVIRONMENTAL GEOGRAPHY -I	24204	2.4	2.2	2.2	2.4	2.8	-	-	-	1.8	2.3	1.6	1.8	1.8
	CC-2D AN INTRODUCTION TO POLITICAL IDEOLOGIES	24161	2.7	2.0	1.7	1.7	-	-	-	-	-	-	1.7	2.3	2.0
	MADHYAYUGIN MARATHI SAHITYA NIVDAK MADHYAYUGIN GADHYA, PADHYA	24021	2.5	2.9	3.0	3.0	2.6	-	-	-	-	-	2.6	2.9	2.1
	DSE-2B SAHITYA SAMIKSHA	24022	1.7	1.6	1.7	2.4	2.0	2.3	2.4	-	-	-	2.0	1.6	2.0
	SEC-2B UPYOJIT LEKHANKAUSHALAYA	24025	1.7	2.1	2.4	2.1	2.3	2.0	2.3	-	-	-	1.9	2.0	1.6


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Format of Course Wise Programme outcome Mapping
Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Arts **CBCS 2019**
Course wise P.O. and P.S.O. Mapping Chart



YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O. 1	P.S.O.	P.S.O.3
Second Year Bac	MIL-NAVMADHYAME AANI SAMAJMADHYAMASATHI MARATHI	24012	2.0	2.0	1.8	1.8	1.6	1.8	1.6	1.8	-	-	1.6	1.8	1.2
	DSE-1B MICRO ECONOMICS -II	24051	1.5	1.7	1.8	2.0	1.8	-	-	2.3	1.4	1.3	1.5	2.0	2.0
	DSE-2B MACRO ECONOMICS -II	24152	2.0	2.3	2.6	2.3	2.3	-	-	2.8	2.0	3.0	2.8	2.8	3.0
	SEC-2A BASIC CONCEPT OF RESEARCH METHODOLOGY -I	24154	2.0	1.8	2.3	1.7	2.0	-	-	1.3	1.5	1.7	2.3	1.8	2.4
	MIL-2 HINDI BHASHA SHIKSHAN	24012	2.4	2.6	2.4	2.4	2.8	-	-	-	2.0	2.8	2.0	1.8	2.3
	DSE-1B SAHITYA KE BHED (S-1)	24191	2.6	2.6	2.6	2.6	2.8	-	-	-	2.8	2.8	2.3	2.5	2.5
	DSE-2B MADHYAYUGIN KAVYA TATHA NATAK SAHITYA (S-2)	24192	2.6	2.6	2.6	2.6	2.8	-	-	-	2.8	2.8	2.3	2.5	2.5
	SEC-2B MADHYAM LEKHAN	24196	2.4	2.4	2.6	2.6	2.6	-	-	-	2.5	2.5	2.3	2.2	2.4
	DSE-1B MEDIEVAL INDIA- MUGHAL PERIOD	24171	2.4	2.2	1.8	2.4	2.4	-	-	-	2.8	2.7	2.2	1.8	2.5
	DSE-2B GLIMPSES OF THE MODERN WORLD - PART 2	24172	2.5	1.8	1.7	1.8	2.0	-	-	-	-	-	1.7	1.8	2.0
	SEC-2B MEDIEVAL INDIAN, ART & ARCHITECTURE	24176	2.3	1.9	1.6	1.8	1.3	2.3	1.9	-	-	-	1.6	1.8	1.3
	COMPULSORY ENGLISH	35001	1.8	1.8	2.0	1.7	1.3	-	-	-	-	-	1.4	2.0	1.2
	CC-1E KATHETAR VIDHAYE	35093	2.2	2.4	2.3	2.4	2.5	-	-	-	2.4	2.7	2.0	2.5	2.5


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Format of Course Wise Programme outcome Mapping
 janata shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science college Ahmednagar
Name of Programme Bachelor of Arts CBCS 2019
Course wise P.O. and P.S.O. Mapping Chart



YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O.1	P.S.O.2	P.S.O.3
Third Year Bachelor of Arts SEM 5	CC-1C BHASIK KAUSHLYAVIKAS AANI ADHUNIK MARATHI SAHITYA PRAKAR	35023	1.7	1.7	2.7	2.0	2.3	1.3	-	-	-	-	2.7	2.0	2.4
	CC-1E ECONOMICS GENERAL -III	35153	1.7	1.8	2.3	2.2	1.5	-	-	1.7	1.8	1.5	1.8	1.0	1.6
	CC-1E INDIAN NATIONAL MOVEMENT (1845-1947)	35174	2.4	2.2	2.2	2.4	2.8	-	-	-	-	-	1.6	1.8	1.8
	CC-1C GG310(B) GEOGRAPHY OF TOURISM -I	35205	2.2	2.6	2.4	2.6	2.4	-	-	-	2.8	2.8	2.0	2.5	1.5
	CC-1 C LOCAL SELF GOVERNMENT IN MAHARASHTRA	35164	2.3	1.9	1.6	1.8	1.3	-	-	-	-	-	-	-	-
	DSE-1C MADHYAYUGIN MARATHI VANGAMAYACHA STHUL ITIHAS :PRARAM	35021	2.3	1.0	1.0	2.3	2.0	2.0	-	-	-	-	-	-	-
	DSE-2D VARNATMAK BHASHAVIDYAN : BHAG 1	35022	2.4	2.1	2.0	1.6	2.6	2.1	2.6	-	-	-	1.9	1.7	2.0
	SEC-2D KARYAKRAM SANYOJANATIL BHASHIK KAUSHALYE : BHAG 2	32025	1.9	1.7	2.0	2.1	2.1	2.0	2.4	-	-	-	2.3	1.7	2.0
	DSE-1C ECONOMICS SPECIAL -III	35151	2.5	2.7	2.5	1.8	1.8	2.4	2.8	2.8	-	-	2.6	2.2	2.4
	DSE-2C ECONOMICS SPECIAL -IV	35152	1.8	1.2	2.3	1.8	1.8	-	-	1.8	1.4	1.7	1.8	1.7	1.6
	SEC-2C SKILL ENHANCEMENT COURSE	35154	2.7	3.0	2.3	3.0	3.0	2.7	2.0	-	-	-	2.7	2.3	2.7


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Name of Programme Bachelor of Arts **CBCS 2019**

Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O.1	P.S.O.2	P.S.O.3
	DSE-1D HINDI SAHITYA KA ITIHAS (S-3)	35091	2.4	2.2	1.8	2.4	2.4	-	-	-	2.8	2.7	2.2	1.8	2.5
	DSE-2D HINDI BHASHA AUR USKA VIKAS (S-4)	35092	2.6	2.6	2.2	2.6	2.6	-	-	-	2.3	2.7	2.3	2.5	2.5
	SEC-2D PATKATHA LEKHAN	35096	2.2	2.6	2.5	2.6	2.4	-	-	-	2.8	2.8	2.3	2.4	2.2
	INTRODUCTION TO HISTRIOGRAPHY	35171	2.3	1.7	1.7	2.1	1.4	-	-	-	-	-	1.7	1.7	2.1
	DSE-2D MAHARASHTRA IN THE 19TH CENTURY	35172	2.6	2.6	2.6	2.6	2.8	-	-	-	-	-	2.3	2.5	2.5
	SEC-2C RESEARCH PAPER WRITING	35177	2.2	2.6	2.5	2.6	2.4	-	-	-	-	-	2.3	2.4	2.2
	Generic Elective														
	COMPULSORY ENGLISH	36001	1.8	1.8	2.0	1.7	1.3	-	-	-	-	-	1.4	2.0	1.2
	CC-1F GAZAL VIDHA AUR PATRACHAR	36093	2.4	2.2	2.4	2.4	2.2	-	-	-	2.3	2.5	2.3	2.3	2.5
	DSE-2D VARNATMAK BHASHAVIDYAN : BHAG 1	35022	2.4	2.1	2.0	1.6	2.6	2.1	2.5	-	-	-	1.9	1.7	2.0
	DSE 3 DBHASIK KAUSHLYAVIKAS AANI ADHUNIK MARATHI SAHITYA PRAKAR: KAVITA	36023	2.0	1.3	1.8	2.0	1.8	1.8	-	-	-	-	2.0	1.8	1.8
	CC-1F INDIAN ECONOMIC DEVELOPMENT - II	36153	2.6	3.0	2.4	2.5	2.1	-	-	2.3	3.0	2.5	2.6	2.3	1.6


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Format of Course Wise Programme outcome Mapping
Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Arts **CBCS 2019**



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O. 1	P.S.O.	P.S.O.3
Third Year Bachelor of Arts SEM 6	CC-1F INDIA AFTER INDEPENDENCE- (1947- 1991)	36174	2.6	2.6	2.6	2.6	2.8	-	-	-	-	-	2.3	2.5	2.5
	CC-1F GG310(B) GEOGRAPHY OF TOURISM -II	36205	2.2	2.6	2.5	2.6	2.4	-	-	-	2.8	2.8	2.3	2.4	2.2
	CC-1F LOCAL SELF GOVERNMENT IN MAHARASHTRA	36164	2.3	1.9	1.6	1.8	1.3	-	-	-	-	-	-	-	-
	MADHYATUGIN MARATHI VANGMYACHA STHUL ITIHAS: 1600 TE 1817	36021	2.3	1.0	1.0	2.3	2.0	2.0	-	-	-	-	1.0	2.3	2.0
	DSE-2D VARNATMAK BHASHAVIDYAN : BHAG 2	36022	2.4	2.1	2.0	1.6	2.6	2.1	2.6	-	-	-	1.9	1.7	2.0
	SEC-2D KARYAKRAM SANYOJANATIL BHASHIK KAUSHALYE : BHAG 2	36025	1.9	1.7	2.0	2.1	2.1	2.0	2.4	-	-	-	2.3	1.7	2.0
	DSE-1D INTERNATIONAL ECONOMICS - II	36151	2.5	2.7	2.5	1.8	1.8	2.4	2.8	2.8	-	-	2.6	2.2	2.4
	DSE-2D PUBLIC FINANCE - II	36152	1.8	1.2	2.3	1.8	1.8	-	-	1.8	1.4	1.7	1.8	1.7	1.6
	SEC-2D BUSINESS MANAGEMENT - II (PROJECT REPORT)	36154	2.7	3.0	2.3	3.0	3.0	2.7	2.0	-	-	-	2.7	2.3	2.7
	DSE-1D HINDI SAHITYA KA ITIHAS (S-3)	35091	2.4	2.2	1.8	2.4	2.4	-	-	-	2.8	2.7	2.2	1.8	2.5
	DSE-2C BHASHAVIGYAN (S-4)	36092	2.2	2.6	2.4	2.6	2.4	-	-	-	2.8	2.8	2.0	2.5	1.5
	SEC-2D SAHITYA AUR FILMANTARAN	36096	2.4	2.6	2.4	2.4	2.6	-	-	-	2.2	2.5	2.3	2.2	2.3

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Format of Course Wise Programme outcome Mapping
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Marutraoji Ghule Patil Arts, Commerce and Science college Ahmednagar
 Name of Programme Bachelor of Arts CBCS 2019
Course wise P.O. and P.S.O. Mapping Chart



YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O. 1	P.S.O.	P.S.O.3
	DSE-1D APPLIED HISTORY	36171	2.3	1.7	1.7	2.1	1.4	-	-	-	-	-	1.7	1.7	2.1
	DSE-2D MAHARASHTRA IN THE 20TH CENTURY	36172	2.4	2.2	2.0	2.4	2.4	-	-	-	-	-	2.2	1.8	1.0
	SEC-2D ARCHAEOLOGY	36177	2.4	2.6	2.4	2.4	2.6	-	-	-	-	-	2.3	2.2	2.3
	GE-2A GENERIC ELECTIVE	36002	2.3	1.7	1.7	2.1	1.4	-	-	-	-	-	1.7	1.7	2.1
			P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O. 1	P.S.O.	P.S.O.3
	OVERALL P.O AND P.S.O. MAPPING AVERAGE		2.3	2.1	2.1	2.2	2.1	2.2	2.5	2.3	2.5	2.5	2.1	2.0	2.0



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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar

Name of Programme Bachelor of Commerce

CBCS 2019

Course wise P.O. and P.S.O. Mapping Chart



YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O. 1	P.S.O. 2	P.S.O. 3
Frist year B.com.SEM 1&2	COMPULSORY ENGLISH - I	111	3.0	2.0	1.3	2.0	1.3	-	-	-	-	-	1.5	1.5	2.0
	FINANCIAL ACCOUNTING - I	112	2.5	2.3	1.6	1.0	1.8	1.3	2.0	1.3	1.0	1.5	2.0	1.3	1.8
	BUSINESS ECONOMICS - I	113	2.5	2.0	2.0	1.8	2.2	2.2	1.8	1.8	2.7	2.0	1.5	1.3	1.8
	BUSINESS MATHEMATICS AND STATISTICS - I	114A	3.0	2.8	1.8	1.5	1.0	2.3	-	2.3	1.8	1.5	3.0	-	-
	BANKING AND FINANCE - I	115B	2.8	2.0	1.5	1.3	1.5	-	-	2.0	2.0	2.0	1.7	1.0	1.0
	MARKETING AND SALESMANSHIP - I	116C	3.0	2.0	1.3	1.5	-	1.3	-	1.0	1.5	2.0	1.5	1.0	1.0
	MARATHI - I	117B	1.5	2.0	2.3	2.8	2.3	1.5	-	-	-	-	-	-	-
	HINDI - I	117C	2.1	2.6	1.9	2.3	2.4	1.9	2.4	2.5			2.8	2.8	2.3
SEM 3&4	AECC-I ENVIRONMENTAL AWARENESS - II	249	2.6	2.6	2.8	1.7	2.7	-	-	-	2.2	1.0	1.0	-	-
	BUSINESS COMMUNICATION - I	231	2.7	1.7	2.0	1.4	-	1.4	1.0	1.0	1.0	1.3	1.7	-	2.0
	CORPORATE ACCOUNTING - I	232	3.0	2.3	2.3	2.0	1.0	2.0	-	1.5	1.5	3.0	2.5	1.7	1.3
	BUSINESS ECONOMICS - I (MACRO)	233	1.8	2.5	1.5	2.0	1.8	1.6	1.6	2.3	1.7	2.0	1.5	1.8	1.8

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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar

Name of Programme Bachelor of Commerce

CBCS 2019

Course wise P.O. and P.S.O. Mapping Chart



YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O.1	P.S.O.2	P.S.O.3
Second Year Bcom	BUSINESS MANAGEMENT - I	234	3.0	2.0	1.6	1.0	-	2.0	-	2.0	-	1.0	1.6	-	2.0
	ELEMENTS OF COMPANY LAW - I	235	3.0	2.0	-	-	2.5	-	-	2.3	1.0	1.3	2.0	2.0	-
	BANKING AND FINANCE - I	236B	2.7	1.7	2.0	2.0	1.7	2.3	2.0	1.0	0.0	0.0	2.0	2.3	2.7
	MARKETING MANAGEMENT	236H	3.0	1.8	3.0	2.0	2.0	1.3	0.0	1.5	1.0	1.0	1.8	0.0	0.0
Third Year B.Com SEM 5 & 6	BUSINESS REGULATORY FRAMEWORK -I	351	2.3	1.7	2.0	1.0	1.3	1.7	2.3	2.7	2.0	2.5	1.8	0.0	0.0
	ADVANCED ACCOUNTING -I	352	2.8	2.8	2.3	2.0	1.0	-	-	2.0	1.5	-	2.0	2.0	1.3
	INDIAN AND GLOBAL ECONOMIC DEVELOPMENT -I	353A	2.0	2.0	2.3	2.5	2.5	2.3	2.5	2.3	2.7	2.5	2.5	2.5	2.3
	AUDITING & TAXATION -I	354	2.8	2.5	2.0	1.3	2.7	2.0	-	2.0	1.5	-	2.0	1.5	1.0
	BANKING AND FINANCE - II	355B	3.0	1.5	1.3	2.0	1.8	2.0	1.0	-	-	-	2.0	-	-
	BANKING AND FINANCE - III	355B	3.0	1.5	1.5	2.6	1.8	2.0	1.0	-	-	-	3.0	-	-
	MARKETING MANAGEMENT - II	355H	3.0	2.0	2.0	1.5	2.0	1.5	1.0	-	2.0	-	2.0	-	-
	BANKING AND FINANCE - III	356B	3.0	1.0	2.0	2.0	2.0	1.0	2.0	1.0	1.7	2.0	2.0	1.5	-

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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
 Name of Programme Bachelor of Commerce CBCS 2019



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O.1	P.S.O.2	P.S.O.3
	MARKETING MANAGEMENT - III	356H	2.8	1.6	2.0	1.4	1.3	1.0	1.0	2	1.0	1.8	1.4	-	-
			P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.S.O.1	P.S.O.2	P.S.O.3
	Average of P.O.& P.S.O.Mapping		2.7	2.0	1.9	1.8	1.8	1.7	1.5	1.8	1.6	1.7	1.9	1.5	1.5



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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
 Name of Programme Bachelor of Science CBCS 2019 Academic year



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.S.O.1	P.S.O.2	P.S.O.3	P.S.O.4
FIRST YEAR BACHELOR OF SCIENCE SEM 1 AND SEM 2	ANIMAL DIVERSITY-I	11151	2.2	1.8	2.2	2.0	2.4	2.4	2.0	-	-	-	2.0	1.67	1.8
	ANIMAL ECOLOGY	11152	1.8	2.2	1.2	2.2	1.2	2.6	1.0	-	-	-	2.0	1.4	1.6
	ZOOLOGY PRACTICAL PAPER	11153	2.0	1.8	1.5	1.7	1.5	1.3	2.3	-	-	-	1.8	1.25	2.0
	ANIMAL DIVERSITY II	12151	2.0	2.2	1.8	2.0	1.6	2.0	1.8	-	-	-	1.8	2.0	2.0
	CELL BIOLOGY	12152	2.0	2.0	1.0	1.8	1.0	2.5	1.8	-	-	-	-	-	-
	ZO-123 ZOOLOGY PRACTICAL PAPER	12153	2.3	1.5	1.7	2.5	2.0	2.3	1.5	-	-	-	2.3	2.0	2.0
	BO-111 PLANT LIFE AND UTILIZATION-I	11141	2.0	1.0	2.0	2.7	2.4	1.7	2.3	2.0	2.0	2.0	1.5	2.3	1.4
	BO-112 PLANT MORPHOLOGY AND ANATOMY	11142	1.8	1.5	1.5	3.0	2.2	2.0	1.3	1.5	1.0	1.3	2.3	1.0	2.0
	BO-113 PRACTICAL BASED ON BO111 AND BO112	11143	1.5	2.0	2.0	1.3	2.3	2.0	1.8	2.0	1.3	1.5	1.8	1.3	2.0
	BO-121 PLANT LIFE AND UTILIZATION II	12141	2.0	1.0	2.0	2.5	2.4	2.0	1.0	2.3	2.0	1.5	3.0	3.0	1.4
	BO-122 PRINCIPLES OF PLANT SCIENCE	12142	1.3	2.0	1.8	3.0	1.8	1.7	1.0	3.0	1.5	1.8	1.8	2.0	1.7
	BO-123 PRACTICAL BASED ON BO 121 & BO 122	12143	1.8	1.7	2.0	1.2	1.6	1.8	3.0	3.0	2.0	1.0	1.8	1.5	1.6

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 Nagapur, Ahmednagar
 College Code-893



Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar

Name of Programme Bachelor of Science

CBCS 2019

Academic year



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.S.O.1	P.S.O.2	P.S.O.3	P.S.O.4
FIRST YEAR BACHELOR OF SCIENCE SEM 1 AND SEM 2	Mechanics and Properties Of Matter	11121	2.9	2.7	2.9	2.6	2.4	1.4	1.0	1.3	1.7	1.0	3.0	2.0	2.6
	HEAT AND THERMODYNAMICS	12121	3.0	2.7	2.7	2.4	1.7	1.6	1.0	1.4	1.9	3.0	3.0	2.8	3.0
	Physics Principles and Applications	11122	3.0	2.3	2.2	2.0	1.4	1.8	1.0	1.0	1.0	2.0	3.0	1.8	1.3
	PHY-122 ELECTRICITY AND MAGNETISM	12122	3.0	1.8	2.0	2.0	1.2	1.0	1.0	1.5	1.3	2.7	3.0	2.3	2.0
	CH.101 Physical Chemistry	11131	2.0	1.7	1.5	1.0	2.0	1.0	-	-	-	-	1.2	2.0	1.6
	CH.102 Organic Chemistry	11132	2.0	1.0	-	1.0	1.0	1.5	-	-	-	-	1.0	1.0	1.3
	CH.201 Inorganic Chemistry	12131	1.2	2.0	-	2.0	1.0	1.0	-	-	-	-	1.6	-	1.6
	CH.202 Analytical Chemistry	21132	1.2	2.0	-	1.2	1.3	1.7	-	-	-	-	1.8	2.0	1.7
	CH-103 CHEMISTRY PRACTICAL	11133	1.6	2.3	-	1.0	1.0	1.5	-	-	-	-	1.4	2.7	1.8
	CH-203 CHEMISTRY PRACTICAL - II	12133	1.0	2.3	1.0	1.0	1.0	1.0	-	-	-	-	1.3	1.3	1.2
	ZO-231 ANIMAL DIVERSITY III	23151	2.0	2.0	2.0	1.0	2.5	2.0	2.0	-	-	-	2.0	-	2.0
ZO-232 APPLIED ZOOLOGY I	23152	2.0	2.0	1.0	2.5	1.0	2.5	3.0	-	-	-	2.0	2.0	1.5	

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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College, Ahmednagar

Name of Programme Bachelor of Science

CBCS 2019

Academic year



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.S.O.1	P.S.O.2	P.S.O.3	P.S.O.4
SECOND YEAR BACHELOR OF SCIENCE SEM 3 AND SEM	ZO-233 ZOOLOGY PRACTICAL PAPER	23153	2.0	1.3	2.7	2.0	1.7	2.3	1.3	-	-	-	2.0	1.3	1.7
	ZO-241 ANIMAL DIVERSITY IV	24151	2.0	1.3	2.7	2.0	1.7	2.3	1.3	-	-	-	2.0	1.3	1.7
	ZO-242 APPLIED ZOOLOGY II	24152	2.0	1.0	2.0	1.0	-	2.0	2.0	-	-	-	2.0	-	2.0
	ZO-243 ZOOLOGY PRACTICAL PAPER	24153	2.3	1.3	1.7	1.7	2.0	1.7	1.3	-	-	-	2.0	1.7	2.0
	BO-231 BOTANY THEORY PAPER - 1	23141	1.9	2.2	2.4	2.1	1.6	1.3	2.4	1.0	1.7	1.3	1.6	1.8	1.8
	BO-232 BOTANY THEORY PAPER - 2	23142	1.5	1.8	2.7	1.8	2.3	1.8	2.0	1.8	2.0	1.7	1.7	2.0	2.0
	BO-233 BOTANY PRACTICAL PAPER	23143	1.8	1.8	2.4	1.8	2.2	1.8	1.8	2.6	1.8	2.0	2.0	1.8	2.5
	BO-241 BOTANY THEORY PAPER - 1	24141	1.5	1.5	1.6	1.8	1.0	1.8	1.2	1.3	1.7	1.4	2.0	1.3	2.1
	BO-242 BOTANY THEORY PAPER - 2	24142	1.9	2.3	1.8	2.7	1.4	1.8	2.6	2.0	2.4	1.5	2.7	2.4	2.0
	BO-243 BOTANY PRACTICAL PAPER	24143	2.2	2.3	2.0	1.3	2.0	2.0	2.4	2.2	3.0	1.7	1.5	2.2	3.0
	PHY-231 MATHEMATICAL METHODS IN PHYSICS	23121	3.0	2.4	1.0	1.0	1.0	1.0	1.0	1.2	1.0	3.0	3.0	3.0	2.0
	PHY-241 OSCILLATIONS, WAVES & SOUND	24121	2.8	2.8	1.6	1.6	1.7	1.5	1.0	1.5	1.8	2.5	2.8	2.0	2.0

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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar

Name of Programme Bachelor of Science

CBCS 2019

Academic year



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.S.O.1	P.S.O.2	P.S.O.3	P.S.O.4	
SECOND YEAR BACHELOR OF SCIENCE SEM 3 AND SEM 4	PHY-232 (A) ELECTRONICS	23122A	3.0	2.3	2.3	2.2	1.2	1.3	1.5	1.0	1.5	3.0	3.0	3.0	1.8	
	PHY-242 OPTICS	24122	2.9	2.5	2.3	1.7	1.5	1.2	1.0	1.0	1.2	1.0	3.0	1.5	1.9	
	CH-301 PHYSICAL AND ANALYTICAL CHEMISTRY	23131	2.0	2.3	1.0	2.0	1.2	1.7	-	-	-	-	2.6	2.0	1.3	
	CH-302 INORGANIC AND ORGANIC CHEMISTRY	23132	2.6	1.9	1.6	2.9	1.2	1.3	-	-	-	-	2.9	1.6	1.6	
	CH-303 CHEMISTRY PRACTIAL - III	23133	2.9	3.0	2.6	2.7	1.6	3.0	-	-	-	-	2.6	2.7	2.0	
	CH-401 PHYSICAL AND ANALYTICAL CHEMISTRY	24131	2.7	1.7	1.3	3.0	2.7	2.0	-	-	-	-	2.7	1.6	1.6	
	CH-402 INORGANIC AND ORGANIC CHEMISTRY	24132	2.9	1.4	1.1	2.9	1.2	1.4	-	-	-	-	2.9	2.7	1.7	
	CH-403 CHEMISTRY PRACTIAL - IV	24133	3.0	1.9	2.1	1.6	2.9	-	-	-	-	-	2.9	2.6	2.0	2.4
	AECC UPAYOJIT MARATHI LANGUAGE	23321	2.0	1.7	2.0	2.0	1.3	2.0	-	-	-	-	-	-	-	-
	AECC-ENGLISH LANGUAGE	24321	2.6	2.0	1.6	1.7	1.4	-	-	-	-	-	-	2.2	1.0	1.0
SECOND YEAR BACHELOR OF SCIENCE SEM 3 AND SEM 4	CH-510A INTRODUCTION OF MEDICINAL CHEMISTRY	351310A	2.6	1.5	2.3	2.4	-	2.0	-	-	-	-	1.5	-	3.0	
	CH-511A ENVIRONMENTAL CHEMISTRY	351311A	2.5	1.3	-	1.7	3.0	2.0	-	-	-	-	1.7	-	1.0	

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College Code-893



Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
 Name of Programme Bachelor of Science CBCS 2019 Academic year



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.S.O.1	P.S.O.2	P.S.O.3	P.S.O.4
Third Year Bsc CHEMISTRY SEM 5 AND 6	CH-502 ANALYTICAL CHEMISTRY -I	35132	2.3	1.7	-	2.5	3.0	1.7	-	-	-	-	1.3	-	1.8
	CH-503 PHYSICAL CHEMISTRY PRACTIAL -I	35133	2.0	2.0	-	1.7	1.8	2.1	-	-	-	-	1.4	1.3	1.4
	CH-504 INORGANIC CHEMISTRY -I	35134	2.0	2.0	-	1.8	2.0	1.3	-	-	-	-	1.8	2.0	1.3
	CH-505 INDUSTRIAL CHEMISTRY -I	35135	1.0	1.3	2.7	1.3	-	1.3	-	-	-	-	-	1.3	2.0
	CH-506 INORGANIC CHEMISTRY PRACTIAL -I	35136	1.4	2.0	-	1.3	2.0	1.9	-	-	-	-	2.3	2.0	1.5
	CH-507 ORGANIC CHEMISTRY -I	35137	2.2	1.0	-	1.5	1.8	1.0	-	-	-	-	2.8	1.0	2.0
	CH-508 CHEMISTRY OF BIOMOLECULES	35138	2.2	1.5	-	2.3	2.0	1.0	-	-	-	-	1.5	-	2.2
	CH-509 ORGANIC CHEMISTRY PRACTIAL -I	35139	1.3	2.6	-	2.0	1.5	2.5	-	-	-	-	1.8	2.2	1.5
	CH-601 PHYSICAL CHEMISTRY -II	36131	2.6	1.3	-	2.0	2.4	1.3	-	-	-	-	2.4	-	2.0
	CH-610A CHEMISTRY OF SOIL AND AGROCHEMICALS	361310A	2.5	1.3	-	1.7	3.0	2.0	-	-	-	-	1.7	-	1.0
	CH-602 PHYSICAL CHEMISTRY -III	36132	2.3	1.3	-	1.8	2.4	1.3	-	-	-	-	2.4	-	2.0
	CH-603 PHYSICAL CHEMISTRY PRACTICAL -II	36133	2.4	1.3	-	2.2	2.3	1.0	-	-	-	-	2.0	1.5	2.3
CH-604 INORGANIC CHEMISTRY -II	36134	1.8	2.0	1.0	1.5	1.0	1.0	-	-	-	-	1.5	1.5	1.5	

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 College Code-893



Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
 Name of Programme Bachelor of Science CBCS 2019 Academic year

Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.S.O.1	P.S.O.2	P.S.O.3	P.S.O.4
Third Year Bsc CHEMISTRY SEM 5 AND 6	CH-605 INORGANIC CHEMISTRY -III	36135	2.3	1.3	-	2.5	2.3	3.0	-	-	-	-	2.2	-	2.2
	CH-606 INORGANIC CHEMISTRY PRACTICAL -II	36136	2.5	2.4	-	1.7	1.0	2.5	-	-	-	-	2.3	2.8	1.7
	CH-606 INORGANIC CHEMISTRY PRACTICAL -II	36136	2.5	2.4	-	1.7	1.0	2.5	-	-	-	-	2.3	2.8	1.7
	CH-607 ORGANIC CHEMISTRY -II	36137	2.8	1.7	-	2.0	-	1.7	-	-	-	-	2.6	-	2.0
	CH-608 ORGANIC CHEMISTRY -III	36138	2.5	2.0	3.0	1.6	2.0	2.0	-	-	-	-	1.8	-	2.0
	CH-609 ORGANIC CHEMISTRY PRACTICAL -II	36139	2.5	2.0	1.0	2.0	3.0	2.0	-	-	-	-	1.3	2.3	2.0
	OVERALL PO.AND P.S.O. MAPPING BSC			2.2	1.9	1.9	1.9	1.8	1.8	1.6	1.7	1.7	1.9	2.1	1.9



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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Computer Science CBCS2019



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
First year BSc computer Sem 1 and 2	Problem solving using computer and C programming	CS-111	2.6	2.2	2.6	1.8	-	-	-	-	1.6	2.2	1.8
	Database Management Systems	CS-112	2.2	2	2	2.2	-	-	-	-	1.6	2.2	2
	Practical Course based on CS-101 and CS-102 (C and DBMS)	CS-113	2	2.25	2	2.5	-	-	-	-	2.8	2.8	2.25
	Semiconductor Devices and Basic Electronic Systems	ELC-111	2.5	1.5	2.5	2.5	-	-	-	-	2.5	3	1.5
	Principles of Digital Electronics	ELC-112	2.5	1.8	2.5	2.3	-	-	-	-	1.8	2.0	2.5
	Electronics Practical Paper – 1	ELC-113	2.0	1.5	2.3	2.0	-	-	-	-	2.5	2.0	2.3
	Matrix Algebra	MTC 111	2.2	1.7	2.3	1.7	-	-	-	-	2.2	1.8	2.2
	Discrete Mathematics	MTC 112	1.7	1.7	1.8	2.0	-	-	-	-	2.0	1.8	2.3
	Mathematics Practical	MTC 113	2.2	2.2	2.2	2.2	-	-	-	-	2.2	2.2	2.3
	Descriptive Statistics	CSST 111	1.5	2.5	2.5	2	-	-	-	-	2.5	2.5	2

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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Computer Science CBCS2019



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
First year BSc computer Sem 1 and 2	Mathematical Statistics	CSST 112	2.5	2.5	2.5	3.0	-	-	-	-	2.0	2.5	2.5
	Statistics Practical Paper I	CSST 113	2.1	2.0	2.3	2.2	-	-	-	-	2.2	2.1	2.3
	Advanced C programming	CS 201	1.5	2.5	2.5	1.5	-	-	-	-	2.0	1.5	2.0
	Relational database Management Systems	CS-202	3.0	2.3	2.8	3.0	-	-	-	-	3.0	2.3	2.5
	Practical Course based on CS-201 and CS-202(Advanced C and RDBMS)	CS-203	3.0	3.0	3.0	3.0	-	-	-	-	2.5	2.5	3.0
	Instrumentation System	ELC-121	1.7	2.7	2.3	2.3	-	-	-	-	1.7	2.0	1.7
	Basics of Computer Organization	ELC-122	2.3	2.0	1.7	2.3	-	-	-	-	1.7	3.0	2.3
	Electronics Practical Paper – II	ELC-123	2.5	2.5	2.5	1.5	-	-	-	-	2.0	2.3	2.0
	Linear Algebra	MTC 121	2.5	2.5	2.5	1.5	-	-	-	-	2.0	2.3	2.0

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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Computer Science CBCS2019



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 1	P.S.O. 3	P.S.O.4
	Graph Theory	MTC 122	2.4	2.5	2.5	2.2	-	-	-	-	2.1	2.3	2.2
	Mathematics Practical	MTC 123	2.7	2.0	2.3	2.3	-	-	-	-	2.3	2.3	2.7
	Method of Applied Statistics	CSST 121	2.0	2.0	1.5	1.5	-	-	-	-	2.0	1.5	2.0
	Statistics Practical Paper II	CSST 123	2.5	2.0	2.0	1.5	-	-	-	-	2.0	1.5	2.5
Second Year Bsc computer Sem 3 and 4	Data Structures and Algorithms – I	CS 231	2.7	2.3	1.3	1.3	-	-	-	-	1.3	2.0	3.0
	Software Engineering	CS 232	2.0	2.0	1.7	2.0	-	-	-	-	1.7	1.3	3.0
	CS 233 Practical course on CS 231 & CS 232	CS 233	2.0	1.4	2.1	1.1	-	-	-	-	1.7	2.4	2.9
	Microcontroller Architecture & Programming	ELC-231	2.3	1.1	1.7	2.0	-	-	-	-	2.4	1.6	2.6
	Digital Communication & Networking	ELC-232	2.6	1.4	2.0	2.0	-	-	-	-	2.3	1.7	2.0
	Practical Course I	ELC-233	1.8	2.3	2.4	1.5	-	-	-	-	2.4	2.5	1.8

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Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
Second Year Bsc computer Sem 3 and 4	Groups and Coding Theory	MTC-231	2.8	1.4	1.8	1.6	-	-	-	-	2.2	2.2	2.2
	Numerical Techniques	MTC-232	2.8	1.5	1.3	1.8	-	-	-	-	1.5	1.5	2.3
	Mathematics Practical: Python Programming Language-I	MTC-233	2.6	1.6	1.6	2.2	-	-	-	-	1.8	2.0	2.8
	Data Structures and Algorithms – II	CS 241	2.7	1.3	2.3	2.3	-	-	-	-	1.7	2.3	2.3
	Computer Networks-I	CS 242	3.0	1.7	1.3	1.7	-	-	-	-	2.3	1.3	3.0
	Practical course on CS 241&242	CS 243	2.0	2.2	2.0	2.0	-	-	-	-	2.2	1.8	2.7
	Embedded System Design	ELC-241	2.3	2.0	1.2	2.2	-	-	-	-	1.5	1.7	2.7
	Digital Communication & Networking	ELC-242	2.7	1.7	1.3	1.3	-	-	-	-	2.2	1.3	2.5
	Practical Course II	ELC-243	2.6	2.4	1.4	1.6	-	-	-	-	2.6	2.2	3.0
	Computational Geometry	MTC-241	2.7	1.9	1.6	2.7	-	-	-	-	2.1	1.3	2.6

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Nagapur, Ahmednagar
College Code-893



Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Computer Science
CBCS2019



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
	Operations Research	MTC-242	2.5	1.8	1.5	2.0	-	-	-	-	1.8	1.7	2.8
	Mathematics Practical: Python Programming Language-II	MTC-243	2.6	1.7	2.1	1.6	-	-	-	-	1.7	2.9	2.1
	AECC- ENGLISH	24922	2.6	2.0	1.6	1.7	1.4	-	-	-	2.2	1.0	1.0
	AECC-I ENVIRONMENTAL AWARENESS - II	24921	2.6	2.6	2.8	1.7	2.7	-	-	-	2.2	1.0	1.0
Third Year Bsc computer Sem 5 and 6	Operating Systems – I	CS-351	1.8	2.3	2.3	1.5	-	-	-	-	1.3	2.0	1.5
	Computer Networks – II	CS-352	2.0	2.0	2.5	2.5	-	-	-	-	1.3	2.5	1.0
	Practical course based on CS 351	CS-357	1.5	2.3	2.5	1.3	-	-	-	-	1.3	2.3	1.8
	Web Technologies – I	CS-353	1.5	2.0	2.5	2.5	-	-	-	-	1.5	2.8	1.3
	Foundations of Data Science	CS-354	1.0	2.0	2.0	1.8	-	-	-	-	2.0	2.0	1.3
	Practical course based on CS 353 and CS 354	CS-358	1.5	2.0	2.5	2.0	-	-	-	-	1.5	2.3	1.8

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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme Bachelor of Computer Science
CBCS2019



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
Third Year Bsc computer Sem 5 and 6	Object-Oriented Programming using Java – I	CS-355	1.7	2.0	2.3	3.0	-	-	-	-	1.3	2.5	1.0
	Theoretical Computer Science	CS-356	1.7	1.7	2.3	1.0	-	-	-	-	1.7	1.7	2.0
	Practical Course based on CS 355	CS-359	2.7	2.3	2.3	2.7	-	-	-	-	1.3	2.0	1.0
	Python Programming	CS-3510	2.0	1.8	2.3	2.0	-	-	-	-	1.8	1.8	1.3
	Blockchain Technology	CS-3511	1.3	2.0	2.3	2.3	-	-	-	-	1.7	2.0	1.0
	Operating Systems – II	CS-361	2.7	2.0	2.3	1.3	-	-	-	-	2.3	1.3	3.0
	Software Testing	CS-362	2.8	2.2	1.4	2.2	-	-	-	-	2.2	2.4	1.4
	Practical course based on CS 361	CS-367	2.3	2.0	2.3	1.8	-	-	-	-	2.0	2.0	3.0
	Web Technologies – II	CS-363	2.0	1.8	1.5	1.8	-	-	-	-	2.0	1.3	2.5
	Data Analytics	CS-364	2.5	2.0	1.5	2.3	-	-	-	-	2.5	1.3	2.8

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Format of Course Wise Programme outcome Mapping

Janata Shikshan Prasarak Mandals

Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar

Name of Programme Bachelor of Computer Science

CBCS2019



Course wise P.O. and P.S.O. Mapping Chart

YEAR	Name of course	Course Code	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
Third Year Bsc computer Sem 5 and 6	Practical course based on CS 363 and CS 364	CS-368	2.8	1.8	2.0	1.8	-	-	-	-	2.5	1.3	2.8
	Object-Oriented Programming using Java – II	CS-365	2.8	2.0	1.8	1.8	-	-	-	-	2.3	2.3	1.5
	Compiler Construction	CS-366	2.8	2.0	1.8	1.8	-	-	-	-	2.3	2.3	1.5
	Practical Course based on CS 365	CS-369	3.0	2.0	1.7	2.0	-	-	-	-	1.7	1.7	3.0
	Software Testing Tools	CS-3610	2.8	2.2	2.0	1.8	-	-	-	-	1.8	2.0	2.0
P.O. and P.S.O			P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
Overall P.O. and P.S.O. Mapping Average			2.1	2.0	2.1	1.9	-	-	-	-	1.8	2.0	1.8



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Sample Chart of Attainment

P.O.-C.O. Attainment of Computer Science



Janata shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science college A.Nagar
Academic year 2021-2022



Course Outcome Attainment Chart

Name of Programme Bachelor of Computer Science
Pattern- Choice based Credit System 2019 Course CS-36221 Credit 2
Course Name WEB TECHNOLOGY II
Name of Teacher Nikam S.P.

C.O.N		course objective details									
C.O.1	Build a dynamic website.										
C.O.2	Using MVC based framework easy to design and handle the errors in a dynamic website										
C.O.3											
C.O.4											
C.O.5											
Course Outcome Attainment chart											
Roll no	Name of Student	Total Internal Marks	Internal exam	Assingment	Tutorial	Seminar	Oral	Practical	University exam	Total	Level
1	KHANDAGALE ANIKET YAKOB	13	7	3	3				26	39	2
2	CHAVAN GANESH SHIVAJIRAO	12	6	3	3				18	30	2
3	BHORDE SHRADDHA SHAM	14	7	3	4				26	40	3
4	BHORDE SANKET SUNIL	14	7	3	4				21	35	2
5	PAWAR SANKET ANKUSH	13	7	3	3				29	42	3
6	DAREKAR PRAVIN RAMDAS	13	7	3	3				21	34	2
7	LAGE HRISHIKESH SATISH	13	7	3	3				19	32	2
8	SOLAT VAISHNAVI PANDURANG	14	7	3	4				28	42	3
9	BANSODE SHUBHANGI SATISH	13	7	3	3				25	38	2
10	SINGH SEEMA VIJAY	14	7	3	4				32	46	3
11	GADEKAR ABHISHEK MANOHAR	12	6	3	3				22	34	2
12	AWARI VIVEK VYANKAT	12	6	3	3				26	38	2
13	DAHIPHALE VAIBHAV GOVIND	11	6	2	3				22	33	2
14	SHAIKH UMER ILIYAS	12	6	3	3				17	29	1
15	MACHE DIPAK DINKAR	14	7	3	4				6	20	1
16	CHAUHAN ABHISHEK LALJI	13	7	3	3				17	30	2
17	LAD SAURABH BHASKAR	14	7	3	4				18	32	2
18	SHELKE SHUBHAM BHAUSAHEB	13	7	3	3				29	42	3
19	THANGE SANKET SAMBHAJI	12	6	3	3				27	39	2
20	TANGADE NIKITA NARAYAN	14	7	3	4				31	45	3
21	RATHOD VISHAL VILAS	11	6	2	3				26	37	2
22	PATHAN AMAN FIROJ	13	7	3	3				29	42	3
23	SARODE YASH DILIP	12	6	3	3				26	38	2
24	BEHERA SANDIP KULMANI	13	7	3	3				24	37	2
25	GARUD JAYESH BABAN	12	6	3	3				15	27	1
26	SABALE AKANKSHA DADASAHEB	14	7	3	4				27	41	3



28	SHAIKH JAKIR SHANUR	0	0	0	0				AA	0	
29	DHEPE AKSHAY RAJU	11	6	2	3				26	37	2
29	SHARMA SWAPNIL VUJAY	14	7	3	4				26	40	3
30	KOLPE SANDHYA VILAS	13	7	3	3				21	34	2
31	CHOUDHARI VARUN ARJUN	12	6	3	3				19	31	2
Average CO Attainment										2.129	

Co-relation level 1=low co-relation ,2= medium corelation , 3= Highly corelation

PO-PSO Attainment	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	PSO 2	PSO 3	PSO 4
Web Technologies – II											
Weighted Average	2.0	1.8	1.5	1.8	0	0	0	0	2.0	1.3	2.5
PO ATTAINMENT	1.4	1.2	1.1	1.2	0.0	0.0	0.0	0.0	1.4	0.9	1.8



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 College Code- 893

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 College Code-893



Format of Course Wise Programme outcome Mapping
Janata Shiksha Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme- Bachelor of Computer Science
T.Y. B.Sc. Computer Science (A.Y.2021-22)
Course wise P.O. and P.S.O. Attainment Chart

CBCS2019 pattern

CO-PO-PSO Attainment	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
CS351 OPERATING SYSTEM-I	Number of Students-31							Average CO Attainment - 2.6129			
Weighted Average	1.75	2.25	2.25	1.5	0	0	0	0	1.25	2	1.5
CO-PO ATTAINMENT	1.52	1.96	1.96	1.31	0.00	0.00	0.00	0.00	1.09	1.74	1.31
CS352 COMPUTER NETWORKS-I	Number of Students-31							Average CO Attainment -2.5805			
Weighted Average	2	2	2.5	2.5	0	0	0	0	1.25	2.5	1
CO-PO ATTAINMENT	1.72	1.72	2.15	2.15	0.00	0.00	0.00	0.00	1.08	2.15	0.86
CS353 Web Technologies – I	Number of Students-31							Average CO Attainment -2.3871			
Weighted Average	1.5	2	2.5	2.5	0	0	0	0	1.5	2.8	1.3
CO-PO ATTAINMENT	1.20	1.60	2.00	2.00	0.00	0.00	0.00	0.00	1.20	2.20	1.00
CS357 Practical course based on CS 351	Number of Students-31							Average CO Attainment -2.1290			
Weighted Average	1.5	2.3	2.5	1.3	0	0	0	0	1.3	2.3	1.8
CO-PO ATTAINMENT	1.10	1.60	1.80	0.90	0.00	0.00	0.00	0.00	0.90	1.60	1.20
CS354 FOUNDATION OF DATA SCIENCE	Number of Students-31							Average CO Attainment -2.2258			
Weighted Average	1	2	2	1.8	0	0	0	0	2	2	1.3
CO-PO ATTAINMENT	0.70	1.50	1.50	1.30	0.00	0.00	0.00	0.00	1.50	1.50	0.90
CS358 Practical CS 353 and CS 354	Number of Students-31							Average CO Attainment -2.0645			
Weighted Average	1.5	2	2.5	2	0	0	0	0	1.5	2.3	1.8
CO-PO ATTAINMENT	1.03	1.38	1.72	1.38	0.00	0.00	0.00	0.00	1.03	1.55	1.20
CS 355 OBJECT ORIENTED PROGRAMMING USING JAVA-I	Number of Students-31							Average CO Attainment -2.7741			
Weighted Average	1.7	2	2.3	3	0	0	0	0	1.3	2.5	1
CO-PO ATTAINMENT	1.50	1.80	2.20	2.80	0.00	0.00	0.00	0.00	1.20	2.30	0.90
CS356 Theoretical Computer Science	Number of Students-31							Average CO Attainment -1.9354			
Weighted Average	1.7	1.7	2.3	1	0	0	0	0	1.7	1.7	2
CO-PO ATTAINMENT	1.08	1.08	1.51	0.65	0.00	0.00	0.00	0.00	1.08	1.08	1.29
CS359 Practical Course based on CS 321	Number of Students-31							Average CO Attainment - 1.9677			
Weighted Average	2	1.8	1.5	1.8	0	0	0	0	2	1.3	2.5
CO-PO ATTAINMENT	1.30	1.10	1.00	1.10	0.00	0.00	0.00	0.00	1.30	0.80	1.60

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College Code-893



Format of Course Wise Programme outcome Mapping Janata shikshan Prasarak Mandals Marutraoji Ghule Patil Arts, Commerce and Science college Ahmednagar Name of Programme- Bachelor of Computer Science T.Y. B.Sc. Computer Science (A.Y.2021-22) Course wise P.O. and P.S.O. Attainment Chart												
CO-PO-PSO Attainment	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O.2	P.S.O.3	P.S.O.4	
CS3510 Python Programming	Number of Students-31							Average CO Attainment -2.3871				
Weighted Average	2	1.8	2.3	2	0	0	0	0	1.8	1.8	1.3	
CO-PO ATTAINMENT	1.60	1.40	1.80	1.60	0.00	0.00	0.00	0.00	1.40	1.40	1.00	
CS3511 Blockchain Technology	Number of Students-31							Average CO Attainment -1.8709				
Weighted Average	1.3	2	2.3	2.3	0	0	0	0	1.7	2	1	
CO-PO ATTAINMENT	0.80	1.20	1.50	1.50	0.00	0.00	0.00	0.00	1.00	1.20	0.60	
CS361 OPERATING SYSTEM-II	Number of Students-31							Average CO Attainment -1.9354				
Weighted Average	2.7	2	2.3	1.3	0	0	0	0	2.3	1.3	3	
CO-PO ATTAINMENT	1.70	1.30	1.50	0.90	0.00	0.00	0.00	0.00	1.50	0.90	1.90	
CS362 SOFTWARE TESTING	Number of Students-31							Average CO Attainment -1.8387				
Weighted Average	2.8	2.2	1.4	2.2	0	0	0	0	2.2	2.4	1.4	
CO-PO ATTAINMENT	1.70	1.30	0.90	1.30	0.00	0.00	0.00	0.00	1.30	1.50	0.90	
CS367 CS PRACTICAL	Number of Students-31							Average CO Attainment -2.0322				
Weighted Average	2.7	2	2.3	1.3	0	0	0	0	2.3	1.3	3	
CO-PO ATTAINMENT	1.80	1.40	1.60	0.90	0.00	0.00	0.00	0.00	1.60	0.90	2.00	
CS363 Web Technologies – II	Number of Students-31							Average CO Attainment -2.1290				
Weighted Average	2	1.8	1.5	1.8	0	0	0	0	2	1.3	2.5	
CO-PO ATTAINMENT	1.40	1.20	1.10	1.20	0.00	0.00	0.00	0.00	1.40	0.90	1.80	
CS364 DATA ANALYTICS	Number of Students-31							Average CO Attainment -1.8709				
Weighted Average	2.5	2	1.5	2.3	0	0	0	0	2.5	1.3	2.8	
CO-PO ATTAINMENT	1.60	1.20	0.90	1.40	0.00	0.00	0.00	0.00	1.60	0.80	1.70	
CS368 CS PRACTICAL	Number of Students-31							Average CO Attainment -2.0322				
Weighted Average	2.75	1.75	2	1.75	0	0	0	0	2.5	1.25	2.75	
CO-PO ATTAINMENT	1.86	1.19	1.35	1.19	0.00	0.00	0.00	0.00	1.69	0.85	1.86	
CS365 OBJECT ORIENTED PROGRAMMING USING JAVA-II	Number of Students-31							Average CO Attainment -2.1612				
Weighted Average	2.8	2	1.8	1.8	0	0	0	0	2.3	2.3	1.5	
CO-PO ATTAINMENT	2.00	1.40	1.30	1.30	0.00	0.00	0.00	0.00	1.60	1.60	1.10	

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Format of Course Wise Programme outcome Mapping
Janata Shikshan Prasarak Mandals
Marutraoji Ghule Patil Arts, Commerce and Science College Ahmednagar
Name of Programme- Bachelor of Computer Science
T.Y. B.Sc. Computer Science (A.Y.2021-22)
Course wise P.O. and P.S.O. Attainment Chart

CBCS2019 pattern

CO-PO-PSO Attainment	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.S.O. 2	P.S.O. 3	P.S.O.4
CS366 COMPILER CONSTRUCTION	Number of Students-31							Average CO Attainment -2			
Weighted Average	2.75	2	1.75	1.75	0	0	0	0	2.25	2.25	1.5
CO-PO ATTAINMENT	1.83	1.33	1.17	1.17	0.00	0.00	0.00	0.00	1.50	1.50	1.00
CS369 Practical Course based on CS 365	Number of Students-31							Average CO Attainment -2			
Weighted Average	3	2	1.7	2	0	0	0	0	1.7	1.7	3
CO-PO ATTAINMENT	2.00	1.30	1.10	1.30	0.00	0.00	0.00	0.00	1.10	1.10	2.00
CS3610 Software Testing Tools	Number of Students-31							Average CO Attainment -2.4516			
Weighted Average	2.8	2.2	2	1.8	0	0	0	0	1.8	2	2
CO-PO ATTAINMENT	2.30	1.80	1.60	1.50	0.00	0.00	0.00	0.00	1.40	1.60	1.60
CS3611 Project	Number of Students-31							Average CO Attainment -2.4516			
Weighted Average	2.8	2.2	2	1.8	0	0	0	0	1.75	2	2
PO ATTAINMENT	1.93	1.51	1.38	1.24	0.00	0.00	0.00	0.00	1.20	1.38	1.38

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Website link For Attainment:- <https://mgpcollege.com/outcome-based-education-obe/>

Outcome Based Education

- [Course and Program Outcome](#)
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- [CO-PO Mapping](#)











