



Government City College (A)
Nayapul, Hyderabad
Affiliated to Osmania University
Accredited with B⁺⁺ Grade & CGPA 2.76
<https://gdcts.cgg.gov.in/charminar.edu>



CRITERIA-I

1.3 Curriculum Enrichment

1.3.3 Percentage of Programs that have components of field projects / research projects/internships

PROJECT WORK IN SYLLABUS STRUCTURE


PRINCIPAL
Govt. City College
Nayapul, Hyderabad-500

B.COM (Business Analytics)
CBCS COURSE STRUCTURE
w.e.f. 2022-2023

Sl.No. (1)	Code (2)	Course Title (3)	HPW (5)	Credits (6)	Exam Hrs (7)	Marks (8)
SEMESTER - I						
1.	ELS1	English (First Language)	4	4		
2.	SLS1	Second Language	4	4		
3.	AECC1	a) Environmental Science/ b) Basic Computer Skills	2	2		
4.	DSC101	Financial Accounting-I	5	5	3 hrs	80U+20I
5.	DSC102	Business Organization and Management	5	5	3 hrs	80U+20I
6.	DSC103	Data-driven Decision Making	3T+4P	5	1 1/2 hrs	50T+35P+15I
		Total	27	25		
SEMESTER - II						
7.	ELS2	English (First Language)	4	4		
8.	SLS2	Second Language	4	4		
9.	AECC2	a) Basic Computer Skills/ b) Environmental Science	2	2		
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Data Analytics Essentials	3T+4P	5	1 1/2 hrs	50T+35P+15I
		Total	27	25		
SEMESTER - III						
13.	ELS3	English (First Language)	3	3		
14.	SLS3	Second Language	3	3		
15.	Sl.C 1 UGC Specified Course	Communication Skills ✓	2	2	1 1/2 hrs	40U+10I
16.	Sl.C 2 Dep 1 Specified Course	Professional Skills ✓ a) Principles of Insurance/ b) Foundation of Digital Marketing & Web Design	2	2	1 1/2 hrs	40U+10I
17.	DSC301	Advanced Accounting	5	5	3 hrs	80U+20I
18.	DSC302	Business Statistics-I	5	5	3 hrs	80U+20I
19.	DSC303	Data Analytics Modeling	3T+4P	5	1 1/2 hrs	50T+35P+15I
		Total	27	25		
SEMESTER - IV						
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	Sl.C 3 UGC Specified Course	Leadership & Management Skills Universal Human Values ✓	2	2	1 1/2 hrs	40U+10I
23.	Sl.C 4 Dep 1 Specified Course	a) Practice of Life and General Insurance b) Social Media Marketing Search Engine Optimization & Online Advertising	2	2	1 1/2 hrs	40U+10I
24.	DSC401	Income Tax	5	5	3 hrs	80U+20I
25.	DSC402	Business Statistics-II	5	5	3 hrs	80U+20I
26.	DSC403	Forecasting & Predictive Analytics	3T+4P	5	1 1/2 hrs	50T+35P+15I
		Total	27	25		
		SEMESTER - V	2			

Dept. of Commerce

27.	ELS5	English (First Language)	3	3		
28.	SLS5	Second Language	3	3		
29.	GE	a) Business Economics/ b) Advanced Aspects of Income Tax	4	4	3 hrs	80U+20I
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	5	5	3 hrs	80U+20I
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	3T+4P/5	5	1 ½ hrs / 3 hrs	50T+35P+ 15I/ 80U+20I
32.	DSE503	a) Advanced Data Visualization / b) Advanced Corporate Accounting / c) Financial Management	3T+4P/5	5	1 ½ hrs / 3 hrs	50T+35P+ 15I/ 80U+20I
		Total	29/27	25		
		SEMESTER - VI				
33.	ELS6	English (First Language)	3	3		
34.	SLS6	Second Language	3	3		
35.	PR	Research Methodology and Project Report	2T+4R	4	1 ½ hrs	40U+10I 35R+15VV
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	a) Theory and Practice of GST / b) Financial Decision Making-II / c) International Auditing	3T+4P/5	5	1 ½ hrs / 3 hrs	50T+35P+ 15I/ 80U+20I
38.	DSE603	a) Business Applications of Emerging Technologies / b) Corporate Governance / c) Investment management	3T+4P/5	5	1 ½ hrs / 3 hrs	50T+35P+ 15I/ 80U+20I
		Total	31/27	25		
		GRAND TOTAL	168/162	150		

ELS: English Language Skill; SLS: Second Language Skill; AEC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; F: Theory; P: Practical; I: Internal Exam U: University Exam; PR: Project Report; VV: Viva-Voce Examination.

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Modern Language	6	4/3	20
3	AEC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce	24		106

CREDITS UNDER NON-CGPA

NSS/NCC/Sports Extra Up to 6 (2 in each year)

Curricular

Summer Internship Up to 4 (2 in each after I & II years)

M. Alimuddin



CHAIRMAN
Board of Studies in Commerce
Osmania University

**B.COM (Foreign Trade)
CBCS COURSE STRUCTURE
w.e.f. 2022-'23**

No.	Code	Course Title	HPW	Credits	Exam Hrs	Marks
1)	(2)	(3)	(5)	(6)	(7)	(8)
SEMESTER - I						
1.	ELS1	English (First Language)	4	4		
2.	SLS1	Second Language	4	4		
3.	AECC1	a) Environmental Science/ b) Basic Computer Skills	2	2		
4.	DSC101	Financial Accounting-I	5	5	3 hrs	80U+20I
5.	DSC102	Business Organization and Management	5	5	3 hrs	80U+20I
6.	DSC103	Introduction to International Business	5	5	3 hrs	80U+20I
Total			25	25		
SEMESTER - II						
7.	ELS2	English (First Language)	4	4		
8.	SLS2	Second Language	4	4		
9.	AECC2	a) Basic Computer Skills/ b) Environmental Science	2	2		
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Export Marketing	5	5	3 hrs	80U+20I
Total			25	25		
SEMESTER - III						
13.	ELS3	English (First Language)	3	3		
14.	SLS3	Second Language	3	3		
15.	SEC1UGC Specified Course	Communication Skills Professional Skills	2	2	1 ½ hrs	40U+10I
16.	SEC2Dep t. Specified Course	a) Principles of Insurance/ b) Foundation of Digital Marketing & Web Design	2	2	1 ½ hrs	40U+10I
17.	DSC301	Advanced Accounting	5	5	3 hrs	80U+20I
18.	DSC302	Business Statistics-I	5	5	3 hrs	80U+20I
19.	DSC303	International Business Procedures & Documentation	5	5	3 hrs	80U+20I
Total			25	25		
SEMESTER - IV						
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	SEC3 UGC Specified Course	Leadership & Management Skills Universal Human Values	2	2	1 ½ hrs	40U+10I
23.	SEC4Dep t. Specified Course	a) Practice of Life and General Insurance b) Social Media Marketing Search Engine Optimization & Online Advertising	2	2	1 ½ hrs	40U+10I
24.	DSC401	Income Tax	5	5	3 hrs	80U+20I

by

H. Anusree

CHAIRMAN
Board of Studies in Commerce

Suchaketa

Faculty of Commerce

25.	DSC402	Business Statistics-II	5	5	3 hrs	80U+20I
26.	DSC403	Corporate Accounting	5	5	3 hrs	80U+20I
		Total	25	25		
		SEMESTER - V				
27.	ELS5	English (First Language)	3	3		
28.	SLS5	Second Language	3	3		
29.	GE	a) Business Economics/ b) Advanced Aspects of Income Tax	4	4	3 hrs	80U+20I
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting I	5	5	3 hrs	80U+20I
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
32.	DSE503	a) Logistics Management/ b) Advanced Corporate Accounting/ c) Financial Management	5	5	3 hrs	80U+20I
		Total	27/25	25		
		SEMESTER - VI				
33.	ELS6	English (First Language)	3	3		
34.	SLS6	Second Language	3	3		
35.	PR	Research Methodology and Project Report	2T+4R	4	1 ½ hrs	40U+10I 35R+15VV
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
38.	DSE603	a) Cross-Cultural Consumer and Industrial Buyer Behaviour/ b) Corporate Governance/ c) Investment management	5	5	3 hrs	80U+20I
		Total	29/27	25		
		GRAND TOTAL	156/152	150		

ELS: English Language Skill; SLS: Second Language Skill; AEC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory; P: Practical; I: Internal Exam U: University Exam; PR: Project Report; VV: Viva-Voce Examination.

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDIT'S

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AEC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce	24		106
	CREDITS UNDER NON-CGPA	NSS/NCC/Sports/Extra Curricular Summer Internship	Up to 6 (2 in each year) Up to 4 (2 in each after I & II years)	

M. Anusady

CHAIRMAN
Board of Studies in Commerce
Osmania University

Suchelatha

**GOVERNMENT CITY COLLEGE
(AUTONOMOUS)
NAYAPUL, HYDERBAD
(Re-accredited by NAAC with "B++" Grade)
Faculty of Social Sciences**

**B A Journalism under MOOCs/Virtual Classrooms
Scheme for CBCS in BA Journalism (2022 - 2023)**

Sl. No	Code	Course Title	HPW	Credits	Exam Hrs	Marks
I Yr		SEMESTER - I				
	DSC103	Introduction to Communication and Journalism	5	5	3 hrs	80+20
		SEMESTER - II				
	DSC203	Mass Media in India	5	5	3 hrs	80+20
II Yr		SEMESTER - III				
	SEC1	UGC specified English Skills	2	2	1 ½ hrs	40+10
	SEC2	Specialized Reporting	2	2	1 ½ hrs	40+10
	DSC303	Reporting and Editing in Print	5	5	3 hrs	80+20
		SEMESTER - IV				
	SEC3	UGC specified English Skills	2	2	1 ½ hrs	40+10
	SEC4	Online Journalism	2	2	1 ½ hrs	40+10
	DSC403	Broadcast Journalism	5	5	3 hrs	80+20
		SEMESTER - V				
	III Yr	GE	TV News Anchoring presentation and script writing	4	4	3 hrs
DSC 503		a) Media and Development/	5	5	3 hrs	80+20
		b) Telugu Journalism	5	5	3 Hrs	80+20
		SEMESTER - VI				
DSC 603		a) Media Literacy	5	5	3 hrs	80+20
	b) Advertising	5	5	3 Hrs	80+20	
		52	52			
	Project work by students	4	4	3Hrs	80+20	

[Signature]
Incharge

Department of Journalism
Government City College
Nayapul, Hyderabad

[Signature]
HEAD
Dept of Journalism & Mass Communication
Osmania University Hyderabad-500 007

అధికారి, ప్రజల విభాగం
ఆంధ్ర ప్రదేశ్ విశ్వవిద్యాలయం,
హైదరాబాద్-500 005.
Head, Department of Communication
Osmania University,
Hyderabad-500 005.

[Signature]
LECTURER
GOVT. DEGREE COLLEGE FOR WOMEN
Baqurpatt, Hyderabad

GOVERNMENT CITY COLLEGE
NAYAPUL, HYDERABAD
(AUTONOMOUS)

DEPARTMENT OF POLITICAL SCIENCE

Choice Based Credit System [CBCS] Syllabus for the Academic Year 2022-23

Year	Semester	DSC/DSE\SEC\GE	Paper	Title	Credits	Hours
I	I	DSC	I	Understanding Political Theory	5	5
	II	DSC	II	Western Political Thought	5	5
II	III	DSC	III	Indian Political Thought	5	5
	IV	DSC	IV	Constitution and Politics of India	5	5
III	V	DSE	V-A	International Relations	5	5
			V-B	Government and Politics in Telangana		
		GE		Politics of Development	4	4
	VI	DSE	VI -A	Global Politics	5	5
			VI -B	Contemporary Social Movements		
		Optional/Project	Advance	Contemporary Political Theory	4	4



Bandi Raju
Dr. BANDI RAJU
 Asst Professor of Political Science
 Govt. Degree College
 Malkajgiri, Medchal Telangana



GOVERNMENT CITY COLLEGE
(AUTONOMOUS)
NAYAPUL, HYDERBAD
(Re-accredited by NAAC with "B++" Grade)

APPLICATION OF CREDITS AT SUBJECT: SOCIOLOGY
CBCS COURSES STRUCTURE
w.e.f. 2022-23

S.No	Semester	Module (Papers)	HPW	Max.Marks (Ext + Inter)	Credits	Exam Hrs	
1	I (Core)	Fundamentals of Sociology	5	80+20	5	3	
2	II (Core)	Indian Society: Structure and Change	5	80+20	5	3	
3	III SEC1	Project Planning and Report Writing	2	40+10	2	1 ¹²	
		Applied Sociology	2	40+10	2	1 ¹²	
4	III (Core)	Rural and Urban Sociology	5	80+20	5	3	
		IV SEC 3	Rural Development and Management	2	40+10	2	1 ¹²
	IV SEC 4	NGO Management	2	40+10	2	1 ¹²	
		IV (Core)	Research Methodology	5	80+20	5	3
5	V (GE)	Social Issues, Policies and Development ✓	4	80+20	4	3	
	DSE	A	Sociology of Development				
		B	Social Stratification and Social Mobility	5	80+20	5	3
		C	Social Anthropology ✓				
6	VI (PR) Core	Project Report ✓ Or Gender and Society	4T 2T+4R	80+20 40+10 35R+ 15VV	4 4	3 1 ¹²	
		DSE	A	Industrial Sociology			
B	Political Sociology ✓		5	80+20	5	3	
C	Medical Sociology						
		GRAND TOTAL	46		46		

[Signature]
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BOARD OF STUDIES,
DEPARTMENT OF SOCIOLOGY
OSMANIA UNIVERSITY
HYDERABAD - 500 007. (T.S.)

[Signature]
HEAD
DEPARTMENT OF SOCIOLOGY
OSMANIA UNIVERSITY
HYDERABAD - 500 007. (T.S.)

[Signature]
Dr. B. SRINIVAS
Associate Professor
Department of Sociology
Dr. B.R. Ambedkar Open University
Jubilee Hills, Hyderabad

[Signature]
Person
Department of Sociology
Government City College,
Hyderabad.

GOVERNMENT CITY COLLEGE
(AUTONOMOUS)
NAYAPUL, HYDERBAD
(Re-accredited by NAAC with "B++" Grade)
Faculty of Social Sciences

B A Journalism under MOOCs/Virtual Classrooms
Scheme for CBCS in BA Journalism (2022 - 2023)

Sl. No	Code	Course Title	HPW	Credits	Exam Hrs	Marks
I Yr		SEMESTER - I				
	DSC103	Introduction to Communication and Journalism	5	5	3 hrs	80+20
		SEMESTER - II				
	DSC203	Mass Media in India	5	5	3 hrs	80+20
II Yr		SEMESTER - III				
	SEC1	UGC specified English Skills	2	2	1 ½ hrs	40+10
	SEC2	Specialized Reporting	2	2	1 ½ hrs	40+10
	DSC303	Reporting and Editing in Print	5	5	3 hrs	80+20
		SEMESTER - IV				
	SEC3	UGC specified English Skills	2	2	1 ½ hrs	40+10
	SEC4	Online Journalism	2	2	1 ½ hrs	40+10
	DSC403	Broadcast Journalism	5	5	3 hrs	80+20
		SEMESTER - V				
	III Yr	GE	TV News Anchoring presentation and script writing	4	4	3 hrs
DSC 503		a) Media and Development/	5	5	3 hrs	80+20
		b) Telugu Journalism	5	5	3 Hrs	80+20
		SEMESTER - VI				
DSC 603		a) Media Literacy	5	5	3 hrs	80+20
	b) Advertising	5	5	3 Hrs	80+20	
		52	52			
	Project work by students	4	4	3Hrs	80+20	

Incharge

Department of Journalism
Government City College
Nayapul, Hyderabad

HEAD
Dept. of Journalism & Mass Communication
Osmania University, Hyderabad-500 007.

LECTURER

GOVT. DEGREE COLLEGE FOR WOMEN

Begumpet, Hyderabad.

अध्यक्ष, संचार विभाग
अंग्रेजी/तुलु विदेशी भाषा विश्वविद्यालय,
हैदराबाद-500 605.
Head Department of Communication
English and Foreign Languages University,
Hyderabad-500 605.

GOVERNMENT CITY COLLEGE
(AUTONOMOUS)
NAYAPUL, HYDERBAD
(Re-accredited by NAAC with "B++" Grade)

APPLICATION OF CREDITS AT SUBJECT: SOCIOLOGY
CBCS COURSES STRUCTURE

w.e.f. 2022-23

S.No	Semester	Module (Papers)	HPW	Max.Marks (Ext + Inter)	Credits	Exam Hrs
1	I (Core)	Fundamentals of Sociology	5	80+20	5	3
2	II (Core)	Indian Society: Structure and Change	5	80+20	5	3
3	III SEC1	Project Planning and Report Writing	2	40+10	2	1 ^{1/2}
	III SEC2	Applied Sociology	2	40+10	2	1 ^{1/2}
4	III (Core)	Rural and Urban Sociology	5	80+20	5	3
	IV SEC 3	Rural Development and Management	2	40+10	2	1 ^{1/2}
	IV SEC 4	NGO Management	2	40+10	2	1 ^{1/2}
5	IV (Core)	Research Methodology	5	80+20	5	3
	V (GE)	Social Issues, Policies and Development ✓	4	80+20	4	3
	DSE A	Sociology of Development				
6	DSE B	Social Stratification and Social Mobility	5	80+20	5	3
	DSE C	Social Anthropology ✓				
	VI (PR)	Project Report ✓ Or Gender and Society	4T 2T+4R	80+20 40+10 35R+ 15VV	4 4	3 1 ^{1/2}
	DSE A	Industrial Sociology				
	DSE B	Political Sociology ✓	5	80+20	5	3
	DSE C	Medical Sociology				
		GRAND TOTAL	46		46	

Chairman
CHAIRMAN
BOARD OF STUDIES
DEPARTMENT OF SOCIOLOGY
OSMANIA UNIVERSITY
HYDERABAD - 500 007. (T.S.)

Head
HEAD
DEPARTMENT OF SOCIOLOGY
OSMANIA UNIVERSITY
HYDERABAD - 500 007. (T.S.)

Dr. B. Srinivas
Dr. B. SRINIVAS
Associate Professor
Department of Sociology
Dr. B.R. Ambedkar Open University
Jubilee Hills, Hyderabad

Chairperson
Chairperson
Board of Studies
Department of Sociology
Government City College,
Hyderabad.

**GOVERNMENT CITY COLLEGE
NAYAPUL, HYDERABAD
(AUTONOMOUS)**

DEPARTMENT OF POLITICAL SCIENCE

Choice Based Credit System [CBCS] Syllabus for the Academic Year 2022-23

Year	Semester	DSC/DSE\SEC\GE	Paper	Title	Credits	Hours
I	I	DSC	I	Understanding Political Theory	5	5
	II	DSC	II	Western Political Thought	5	5
II	III	DSC	III	Indian Political Thought	5	5
	IV	DSC	IV	Constitution and Politics of India	5	5
III	V	DSE	V-A	International Relations	5	5
			V-B	Government and Politics in Telangana		
		GE		Politics of Development	4	4
	VI	DSE	VI -A	Global Politics	5	5
			VI -B	Contemporary Social Movements		
		Optional/Project	Advance	Contemporary Political Theory	4	4


Dr. B. U. Reddy
 Chairperson (BOS)
 Department of Political Science
 Osmania University
 Hyderabad-500 007.


Dr. BANDI RAJU
 Asst. Professor of Political Science
 Govt. Degree College
 Malkajgiri, Medchal Telangana


Dr. B. U. Reddy
 Assistant Professor
 Department of Political Science
 University of Hyderabad
 Telangana

Year	Semester	DSC/GE/ DSE/SEC	Paper	Title of the Paper	Credits	Hours PW	
I	I	DSC*101	Paper - I	Micro Economics	5	5	
		AEC	AEC	Environmental Science/ Basic Computer kills	2	2	
II	II	DSC*201	Paper - II	Macro Economics	5	5	
		AEC	AECC	Environmental Science/ Basic Computer kills	2	2	
	III	DSE-301	Paper - III	Statistics for Economics	5	5	
		SEC-1	SEC-I	Computer Applications	2	2	
	IV	SEC-2	SEC-II	Rural Development	2	2	
		DSC*401	Paper - IV	Indian Economy	5	5	
	V	IV	SEC-3	SEC-III	Data Analysis	2	2
			SEC-4	SEC-IV	Entrepreneurship and Development	2	2
			GE**	Paper - I	Telangana Economy	4	4
			DSE*501	Elective- A	Agricultural Economics	5	5
VI	V	DSE*501	Elective - B	Public Economics ✓	5	5	
		DSE*501	Elective - C	Economics of Environment	5	5	
		DSE*601	Paper - A	International Economics ✓	5	5	
III	VI	DSE*601	Paper B	Development Economics	5	5	
		DSE*601	Paper - C	Industrial Economics	5	5	
		Project/Optional	Project/Optional	Financial Economics	4	4	

* DSC (Discipline Specific Course), SEC (Skill Enhancement Course) & DSE (Discipline Specific Elective) for Students of Economics.(PW) Per week.** GE (Generic Elective) or Inter-Disciplinary Course for Students of Social Sciences other than Economics.

**GOVERNMENT CITY COLLEGE
(AUTONOMOUS)
NAYAPUL, HYDERABAD**
Re-Accredited with 'A' Grade by NAAC
Scheme for CBCS in BA Geography

Course Type	Course Title	Hours per Week	No. of Credits
Semester - I			
DSC 1	Elements of Geomorphology ✓	4 T	4
Practical-I	Elements of Mapping and Interpretation ✓	3 P	1
Semester - II			
DSC 2	Elements of Climatology and Oceanography ✓	4 T	4
Practical - II	Basic statistics and weather maps ✓	3 P	1
Semester - III			
DSC 3	Human Geography ✓	4 T	4
Practical - III	Maps and Diagrams ✓	3 P	1
SEC - 1	UGC Specified SEC	2	2
SEC - 2	Travel And Tourism	2	2
Semester - IV			
DSC 4	Economic Geography	4 T	4
Practical - IV	Map Projections ✓	3 P	1
SEC - 3	UGC Specified SEC	2	2
SEC - 4	Remote Sensing and GPS	2	2
Semester - V			
DSE	(A) Principles of Remote Sensing (B) Geography of India ✓	4 T	4
Practical-V	(A) Remote Sensing Lab (B) Date and Sampling Lab ✓	3 P	1
GE	Climate Change and Disaster Management	4 T	4
Semester- VI			
DSE	(A) Geographical Information System (GIS) (B) Geography of Telangana ✓	4 T	4
Practical-VI:	(A) GIS Lab (B) Field Survey Techniques ✓	3 P	1
PW	Project work/Optional	4 P	4
Total		40 T + 18 P	46

CHAIRMAN
Board of Studies in Geography,
Univ College of Science
Osmania University, Hyd-7.

PROFESSOR & HEAD
DEPARTMENT OF GEOGRAPHY
OSMANIA UNIVERSITY, HYD-7.
TELANGANA.

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Department of Geography
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Begumpet, Hyderabad-500016.

Department of Geography
Government City College
Nayapul, Hyderabad.

**GOVERNMENTCITYCOLLEGE
(AUTONOMOUS)
NAYAPUL, HYDERBAD
PROFORMA OF INSTRUCTIONS AND EXAMINATIONS
PROGRAMME: BA in Public Administration**

Sl.No	Code	Course Title	HP W	Credit s	Exam Hrs	Marks
I Yr		SEMESTER-I				
	DSC 103	Basics of Public Administration	5	5	3hrs	80+20
		SEMESTER-II				
	DSC 203	Development Dynamics and Emerging Trends	5	5	3hrs	80+20
II Yr		SEMESTER-III				
	SEC1	Public Office Administration	2	2	1½hrs	40+10
	DSC 303	Union Administration	5	5	3hrs	80+20
		SEMESTER-IV				
	SEC 3	UGC Specified SEC				
	SEC 4	Technology & Office Administration	2	2	1½hrs	40+10
	DSC 403	State Administration	5	5	3hrs	80+20
III Yr		SEMESTER-V				
	GE	Indian Constitution & Administration/Good Governance	4	4	3hrs	80+20
	DSC 503	a) Human Resource Management/	5	5	3hrs	80+20
		b) Rural Governance	5	5	3 Hrs	
		SEMESTER-VI				
	Project Report	Governance and Ethics	4	4	3 Hrs	80+20
	DSC 603	a) Financial and Materials management/	5	5	3hrs	80+20
b) Urban governance		5	5	3 Hrs	80+20	
			42	42		

Chairperson, ROS
Dept. of Public Administration
Univ. College of Arts & Social Science
Osmania University, Hyd-7. (TS)

HEAD
Dept. of Public Administration
Univ. College of Arts & Social Science
Osmania University, Hyd-7. (TS)

V.V. Mallu

Aruna

GOVERNMENT CITY COLLEGE

(AUTONOMOUS)

NAYAPUL, HYDERBAD

(Re-accredited by NAAC with "B++" Grade)

Scheme for CBCS in B.A/B.Sc Psychology (2022-2023)

Course Type	Course Title	Hours per Week	No. of Credits
Semester - I			
DSC 1	<i>General Psychology</i>	5	5
Semester - II			
DSC 2	<i>Personality Theories and Assessment</i> ✓	5	5
Semester - III			
DSC 3	<i>Social Psychology</i>	4	4
Practical - III	<i>Basics of Statistics and Experimental Psychology</i>	2	1
SEC - 1	UGC Specified SEC	2	2
SEC - 2	<i>Psychology in Professional Settings</i>	2	2
Semester - IV			
DSC 4	<i>Abnormal Psychology</i>	4	4
Practical - IV	<i>Inferential Statistics and Experimentation on Behavioural Phenomena</i>	2	1
SEC - 3	UGC Specified SEC	2	2
SEC - 4	<i>Health Behaviour and Lifestyle</i>	2	2
Semester - V			
DSE	<i>(A) Child Psychology (OR) ✓ (B) Educational Psychology</i>	4	4
Practical-V	<i>Psychological Testing</i>	2	1
GE	<i>Psychological Competencies</i>	2	2
Semester- VI			
DSE	<i>(A) Adolescent Psychology (B) Health Psychology ✓</i>	4	4
Practical-VI:	<i>Psychological Assessment</i>	2	1
PW	<i>Research in Psychology & Project Work</i>	2T & 4 R	4

P. Swathi
14/11/2022

Chairperson

Board of Studies in Psychology
Osmania University
HYDERABAD-500 007.

Amritha

HEAD

Department of Psychology
Univ. College of Arts & SS
OSMANIA UNIVERSITY
Hyderabad-500 007

E. J. J.


Incharge Chairperson
Board of Studies in Psychology
Government City College,
Hyderabad.




			SEC-4	A.Biomaterials from Animal sources/B.Aquaculture/ C.Aquarium and Fish Keeping	2	2	10	40	50
III	V	Paper V	DSE-I Theory	Physiological chemistry and Endocrinology/ Laboratory animals maintenance and application / Immunology and Animal Biotechnology ✓	4	3	20	80	100
			DSE-I Practical	Physiological chemistry and Endocrinology/ Laboratory animals maintenance and application / Immunology and Animal Biotechnology ✓	1	2	00	50	50
			GE-I Theory	A.Preventive Medicine/ B.Integrated Pest Management/ C.Health and Wellness ✓ D. Pet Care	4	3	20	80	100
VI	Paper VI	DSE-II Theory	Fisheries and Limnology / Ecology, Zoogeography and Evolution ✓	4	3	20	80	100	
		DSE-II Practical	Fisheries and Limnology / Ecology, Zoogeography and Evolution ✓	1	2	00	50	50	
		Project/Tools and Techniques in Biology ✓	4	--	20	80	100		
					46	36	260	1040	1300


DSC — Discipline Specific Core; DSE — Discipline Specific Elective; SEC — Skill enhancement Course; GE- Generic Elective (Open streams)

*Practical one credit equal to 3 hours of instruction


PROFESSOR & HEAD
Department of Zoology, UCS,
Osmania University, Hyd-57.


CHAIR PERSON
Board of Studies in Zoology
Osmania University, HYD-7.


N. K. R.


Department of Zoology
GOVT. CITY COLLEGE
Hyderabad. A P i 500002


K. A.

CBCS SCHEME FOR B.SC. COURSE BOTANY 2022-2023 ACADEMIC YEAR

Proposed CBCS Scheme for B.Sc.
w.e.f 2022-2023

CODE	PAPER TITLE	Course Type	HPW	Credits
FIRST YEAR SEMSTER - I				
BS 104	PAPER-I : Microbial Diversity and Lower Plants	DSC-1A	4T+2P=6	4+1=5
FIRST YEAR SEMSTER - II				
BS 204	PAPER-II: Gymnosperms, Taxonomy of Angiosperms and Ecology	DSC-1B	4T+2P=6	4+1=5
SECOND YEAR SEMSTER - III				
BS 301	SEC-1: Nursery and Gardening	SEC-1	2	2
BS 302	SEC-2: Biofertilizers and Organic Farming	SEC-2	2	2
BS 304	PAPER-III: Plant Anatomy and Embryology	DSC-1C	4T+2P=6	4+1=5
SECOND YEAR SEMSTER - IV				
BS 401	SEC-3: Greenhouse Technology	SEC-3	2	2
BS 402	SEC-4: Mushroom Culture Technology	SEC-4	2	2
BS 404	PAPER-IV : Cell Biology, Genetics & Plant Physiology	DSC-1D	4T+2P=6	4+1=5
THIRD YEAR SEMESTER - V				
BS 501	GE-1: Industrial Microbiology	GE-1	4T	4
BS 502	DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	DSE-1A / DSE-1B / DSE-1C	4+2	4+1
THIRD YEAR SEMESTER - VI				
BS 601	DSE-3: Project	PROJECT	4	4
BS 602	DSE -2A: Plant Molecular Biology DSE -2B: Tissue Culture and Biotechnology DSE -2C: Analytical Techniques in Plant Sciences	DSE-2A / DSE-2B / DSE-5E	4T+2P=6	4+1=5

AECC: Ability Enhancement Compulsory Course, SEC: Skill Enhancement Course, GE: Generic Elective, DSC: Discipline Specific Core, DSE: Discipline Specific Elective.

Chairman
Dept. of Botany GCC(A) Hyderabad
Department of Botany
Govt. City College (Autonomous)
Hyderabad.

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Chairperson
B.O.S. IN BOTANY
OSMANIA UNIVERSITY
HYDERABAD-500007
Assistant Professor
Department of Botany
TELANGANA UNIVERSITY
Hyderabad

THIRD YEAR- SEMESTER V				
BS 501	English	CC-1E	3	3
BS 502	Second Language	CC-2E	3	3
BS 503	Fundamentals of Food & Nutrition	GE	4	4
BS 504	A- Clinical Dietetics ✓	DSE-1E	4T+2P=6	4+1=5
	B- Food Safety & Quality Control			
BS 505	Optional II A/B/C	DSE-2E	4T+2P=6	4+1=5
BS 506	Optional III A/B/C	DSE-3E	4T+2P=6	4+1=5
	TOTAL			25
SEMESTER VI				
BS 601	English	CC-1F	3	3
BS 602	Second Language	CC-2F	3	3
BS 603	A. Public Health, Food Hygiene and Sanitation ✓	DSE-1F	4T+2P=6	4+1=5
	B. Nutrition Therapy in Critical Conditions			
BS 604	Optional II A/B/C	DSE-2F	4T+2P=6	4+1=5
BS 605	Optional III A/B/C	DSE-3F	4T+2P=6	4+1=5
BS 606	Project work/ Advanced Nutrition		4	4
	TOTAL			25
	TOTAL CREDITS			150

CC-Core Course

AECC- Ability Enhancement Compulsory Course

DSC- Discipline Specific Course

SEC- Skill Enhancement Course

DSE- Discipline Specific Elective

GE- Generic Elective

HPW – Hours per week

P-Practical

T-Theory

*Credits under Non-CGPA: i. NSS/NCC/Sports/Extra-curricular – 2 in each year (up to 6)

ii. Summer Internship – 2 in each after I & II

P. Chand

Chairman
Board of Studies in Nutrition
Osmania University,
Hyderabad-500 007.

P. Chand
HEAD

Department of Biochemistry
University College of Sciences
Osmania University

M. Santoshi Lakshmi

Dr. M. SANTOSHI LAKSHMI
M.Sc., Ph.D.
Assistant Professor (C)
DEPARTMENT OF FOOD & NUTRITION
UCW, Koti, Hyderabad

(Signature)

BS	Optional-II			5
BS	Optional-III			5
SEMESTER-6				
BS	English			3
BS	Second language			3
BS	Industrial Microbiology or Pharmaceutical Microbiology	DSE-2	4+2	5
BS	PROJECT WORK / Applied Microbiology		3+2	4
BS	Optional-II-A/B/C			5
BS	Optional-III-A/B/C			5
Total				150

SEC-2 (SEM III) and SEC-4(SEM IV) are given at the end.

Chairperson, BoS
Department of Microbiology
Osmania University, Hyd-07

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SYLLABUS FOR B.Sc. BIOTECHNOLOGY COURSE (2020-21)
Choice Based Credit System (CBCS)

S.No	Paper	Module(Paper)	Hours	Max. Marks	Credits
Semester I					
1	Paper I (Core)	Cell biology and Genetics	04	100	04
2	Practical's-I	Cell biology and Genetics	02	25	01
Semester II					
3	Paper II (Core)	Biological chemistry and Microbiology	04	100	04
4	Practical's-II	Biological chemistry and Microbiology	02	25	01
Semester III					
5	Paper III (Core)	Molecular Biology and r- DNA technology	04	100	04
6	Practical's-III	Molecular Biology and r- DNA technology	02	25	01
7	SEC - 1	Industrial Fermentations	02	50	02
8	SEC- 2	Immunological techniques	02	50	02
Semester IV					
9	Paper IV (Core)	Bioinformatics and Biostatistics	04	100	04
10	Practical's-IV	Bioinformatics and Biostatistics	02	25	01
11	SEC - 3	Molecular Markers in Plant Breeding	02	50	02
12	SEC -4	Drug designing	02	50	02
Semester V					
13	Paper V (Core)	Option I A. Plant Biotechnology or B. Medical Biotechnology	03	100	03
14	Practical's-V	Option I A. Plant Biotechnology or B. Medical Biotechnology	02	50	01
15	General Elective I	Basics in Biotechnology	02	50	02
Semester VI					
21	Paper VI (Core)	Option II A. Animal Biotechnology or B. Environmental Biotechnology	03	100	03
22	Practical's-VI	Option II A. Animal Biotechnology or B. Environmental Biotechnology	02	50	01
29	Optional I	Project in Biotechnology/IPR, Biosafety and Entrepreneurship	04	100	4

Dr. K. Madhuri
HEAD
Department of Biotechnology
Mahatma Gandhi University, Nalgonda

K. Madhuri
Dr. K. MADHURI
Assistant Professor
Dept. of Biotechnology
University College of Science
Mahatma Gandhi University, Nalgonda. (T.S.)

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GOVERNMENT CITY COLLEGE (AUTONOMOUS), HYDERABAD

B.A./B.Sc. (STATISTICS)

Semester Pattern Syllabus (CBCS): w.e.f. Academic Year: 2022-2023

(With Mathematics Combination)

Year	Semester	Theory / Practical	Paper Title	Work Load (Hrs/Week)	# Credits	Marks
I	FIRST	Paper - I (DSC - A)	Descriptive Statistics and probability	4	4	100
		Practical - 1	Descriptive Statistics and probability	3	1	50
	SECOND	Paper - II (DSC - B)	Probability distributions	4	4	100
		Practical - 2	Probability distributions	3	1	50
II	THIRD	SEC - 1	UGC Specified	2	2	50
		SEC - 2	Data Collection, Presentation and Interpretation	2	2	50
		Paper - III (DSC - C)	Statistical Methods and Estimation	4	4	100
		Practical - 3	Statistical Methods and Estimation	3	1	50
	FOURTH	SEC - 3	UGC Specified	2	2	50
		SEC - 4	Data Scaling Techniques and Report writing	2	2	50
		Paper - IV (DSC - D)	Statistical Inference	4	4	100
		Practical - 4	Statistical Inference	3	1	50
III	FIFTH	Paper - V (A) (DSE - A)	Applied Statistics - 1	4	4	100
		Paper - V (B) (DSE - A)	Analytical Statistics - 1	4	4	100
		Practical - 5(A)	Applied Statistics - 1 MScs.	3	1	50
		Practical - 5(B)	Analytical Statistics - 1 MSDS	3	1	50
		Paper VI - GE	Basic Statistics	4	4	100
	SIXTH	Paper - VII (A) (DSE - B)	Applied Statistics - 2	4	4	100
		Paper - VII (B) (DSE - B)	Analytical Statistics - 2	4	4	100
		Practical - 7(A)	Applied Statistics - 2	3	1	50
		Practical - 7(B)	Analytical Statistics - 2	3	1	50
		Paper - VIII Project / DSE - C	Operations Research	4	4	100

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Government City College (A), Hyderabad.
ALLOCATION OF CREDITS
B.Sc. - Physics

Semester	Paper	Theory and Practical	Title	Contact Hours per week	Max. Marks	Credits
I	Paper - I	Theory	Mechanics & Oscillations	4	100	4
		Practical's - I	Mechanics & Oscillations	3	50	1
II	Paper - II	Theory	Thermal Physics	4	100	4
		Practical's - II	Thermal Physics	3	50	1
III	Paper - III	Theory	Electromagnetic Theory	4	100	4
		Practical's - III	Electromagnetic Theory	3	50	1
	SEC - I	Theory	Experimental Methods & Error Analysis	2	50	2
IV	Paper - IV	Theory	Waves & Optics	4	100	4
		Practical's - IV	Waves & Optics	3	50	1
	SEC - II	Theory	Digital Electronics	2	50	2
V	Paper - V A (DSE)	Theory	Modern Physics	4	100	4
		Practical's - V A	Modern Physics	3	50	1
	Paper - V B (DSE)	Theory	Computational Physics	4	100	
		Practical's - V B	Computational Physics	3	50	
	SEC - III	Theory	Basic Instrumentation	2	50	
	GE - I	Theory	Renewable Energy & Energy Harvesting	2	100	4
VI	Paper - VI A (DSE)	Theory	Electronics	4	100	4
		Practical's - VI A	Electronics	3	50	1
	Paper - VI B (DSE)	Theory	Applied Optics	4	100	
		Practical's - VI B	Applied Optics	3	50	
	SEC - IV	Theory	Biomedical Instrumentation / Electrical Circuits & Networking	2	50	
	GE - II	Project	*Project work / Nano Science	2	100	4

Total Credits: 30 +12=42


 Department of Physics
 University College of Science
 Osmania University,
 Hyderabad-500 007. T.S.


 CHAIRMAN
 Board of Studies
 Osmania University
 Hyderabad - 500 007
 T.S.

Government City College (Autonomous) Nayapul, Hyderabad-02.
Re-Accredited with B⁺⁺ Grade by NAAC
Department of Chemistry
Consolidated B.Sc. Chemistry Course Structure
For the Academic Year 2022-2023
(Batches: 2020-2021, 2021-2022 & 2022-2023)

Year	Semester	Paper	Contact hours per week	No. of credits allotted	Marks of internal assessment	Marks for Semester End examinations	Total Marks
I	I	Paper-I	4	4	20	80	100
		Practical-I	3	1	00	50	50
		Value Added Course	4	--	--	--	Certification
	II	Paper-II	4	4	20	80	100
		Practical-II	3	1	00	50	50
		Certificate Course	4	--	--	--	Certification
II	III	Paper-III	4	4	20	80	100
		Practical-III	3	1	00	50	50
		SEC-II	2	2	10	40	50
	IV	Paper-IV	4	4	20	80	100
		Practical-IV	3	1	00	50	50
		SEC-IV	2	2	10	40	50
III	V	Paper-V, DSE- A/B	4	4	20	80	100
		Practical-V	3	1	00	50	50
		Generic Elective	4	4	20	80	100
		Certificate Course	4	--	--	--	Certification
	VI	Paper-VI, DSE- A/B	4	4	20	80	100
		Practical-VI	3	1	00	50	50
		Paper-VI Project in Chemistry/Advanced chemistry	4	4	NA	100 (75 + 25)	100

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H. Anurba

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M.S.

P. Rao


CHAIRMAN
Board of Studies in
Chemistry
CHAIRMAN
Board of Studies in Chemistry
Dept. of CHEMISTRY
Osmania University, Hyd-07


GOVERNMENT CITY COLLEGE, HYDERABAD
DEPARTMENT OF MATHEMATICS
B.A/B.Sc. Mathematics Course Structure

Paper	Semester	Subject	Hours/ per week	Hours/ per week	Max. Marks	Credits	Remarks
DSC - I	I	Differential & Integral Calculus	6	4T+ 2 P	150(100T +50P)	5(4T+1P)	
DSC - II	II	Differential Equations	6	4T+ 2 P	150(100T +50P)	5(4T+1P)	
DSC - III	III	Group theory & Real Analysis	6	5T+ 1Tutorial	100	5	
DSC - IV	IV	Modern Analysis & Ring theory	6	5T+ 1Tutorial	100	5	
DSC V(Paper V)	V	Linear Algebra	6	5T+ 1Tutorial	100	5	
DSC - V (Paper VI)	VI	VI(A) Numerical Analysis \ VI (B) Integral Transforms	6	5T+ 1Tutorial	100	5	
Generic Elective	V-A or V-B SEM VI	Basic Mathematics	4	4	100	4	
SEC I	III	Communication skills/Professional skills	2	2T	50	2	
SEC II	III	Theory of Equations	2	2T	50	2	
SEC III \ N	IV	Leadership and Management skill/Universal Human values	2	2T	50	2	
SEC IV \ N	IV	Vector Calculus	2	2T	50	2	
Project/ Optional VI*	VI	Project	4	4	100	4	


Chairperson
BoS in Mathematics
Department of Mathematics
Osmania University
Hyderabad-500 007.




Head
Department of Mathematics
Osmania University
Hyderabad-500 007.


Chairperson
BoS in Mathematics
Department of Mathematics
Osmania University
Hyderabad-500 007.



GOVT.CITY COLLEGE, HYDERABAD (AUTONOMOUS)

B.Sc. (Computer Science)

CBCS Pattern in Semester System - w.e.f. 2019

Semester -I			
Course Title	H/Week		Credits
	Th	Pr	
Programming in C	4	3	4+1 = 5
Semester -II			
Programming in C++	4	3	4+1 = 5
Semester -III			
Data Structures using C++	4	3	4+1 = 5
Semester -IV			
Data Base Management Systems (DBMS)	4	3	4+1 = 5
Semester -V			
Programme in Java	4	3	4+1 = 5
Semester -VI			
Web Technologies	4	3	4+1 = 5

AECC

Semester -I	Hours/Week	Credits	
Fundamentals of Computer	Th 2	2	
Semester -II	Hour/Week		
Office Automation	2	2	
SEC			
Semester -III			
Python -I (Sec -I)	2	2	
Operating Systems (Sec-II)	2	2	
Semester -IV			
Python -II (Sec -III)	2	2	
Operating Systems (Sec-IV)	2	2	
Generic Elective (GE)			
Semester -V			
Information Technologies	4	4	
Project/Optional			
Semester -VI			
PHP with MY SQL	Thr 3	pr 3	3+1=4
Project Work	On the given topic		02

B.Sc. (Computer Science) Dept. of Computer Science - Govt. City College (A), Hyderabad

Ganesh
CHAIRMAN

Board of Studies in Computer Science - 500 002

Dept. of Mathematics

Osmania University, Hyd.

A. Inna Reddy
Asst. Professor of Computer Appl.

Government Degree College

Chanchalguda, Hyderabad - 50

Government City College (A), Hyderabad

B.A & B.Sc (Computer Applications)

CBCS Pattern with Effect from the Academic Year 2019-2020

Structure of Curriculum

Code	Course Title	Course Type	HPW	Credits
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SEMESTER - I

BS106	Programming in C	DSC-3A	4T+2P=6	4 + 1 =5
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SEMESTER - II

BS206	Programming in C++	DSC-3B	4T+2P=6	4 + 1 =5
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AECC

BS207	Fundamentals of Computers	AECC	2T	2
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SEMESTER - III

BS301	Communication Skills(or) Professional Skills (Sec -I)	SEC-1	2T	2
BS302	Python - 1 (Sec -II)	SEC-2	2T	2
BS306	Relational Data Base Management Systems	DSC-3C	4T+2P=6	4 + 1 =5

SEMESTER - IV

BS401	Leadership & Management Skill (or) (Sec -III) Universal Human Values	SEC-3	2T	2
BS402	Python - 2 (Sec -IV)	SEC-4	2T	2
BS406	Multi Media Systems	DSC-3D	4T+2P=6	4 + 1 =5

SEMESTER - V

BS501	Information Technologies	GE	4T	4
BS505	Programming in Java	DSE-3E	4T+2P=6	4 + 1 =5

SEMESTER - VI

BS605	Web Technologies	DSE-3F	4T+2P=6	4 + 1 =5
Project/ Optional				
BS606	Information Security and Cyber Laws	PO	4T+2P=6	3 + 1 =4

A. Inna Reddy
A. Inna Reddy
Asst. Professor of Computer Appl.
Government Degree College
Chanchaluda, Hyderabad - 24

[Signature]
CHAIRMAN
Board of Studies in Computer Science
Dept. of Mathematics

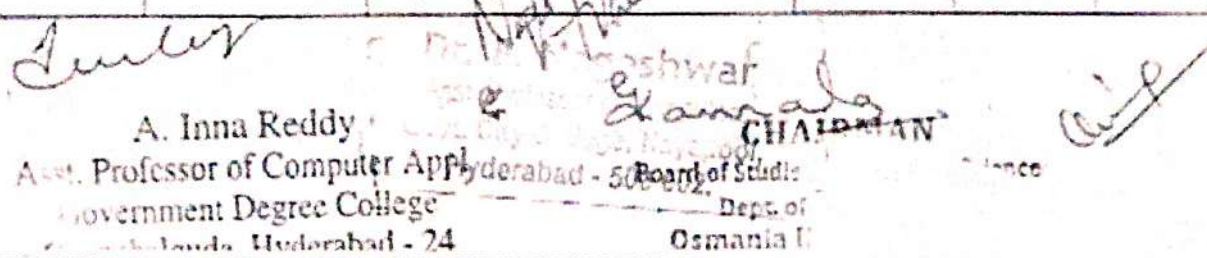
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Naga
M. P. Nagaraj
M. P. Nagaraj
City College
Hyderabad

GOVERNMENT CITY COLLEGE (A), HYDERABAD

Department of Computer Science & Applications B.Sc. (DATA SCIENCE)

Semester Pattern Syllabus (CBCS): w. e. f.: Academic Year: 2020-21 (With Mathematics Combination)

Year	Semester	Theory / Practical	Paper Title	Work Load (Hrs/Week)	# Credits	Marks
I	FIRST	Paper - I (DSC - A)	Fundamentals of Information Technology	4	4	100
		Practical - 1	Fundamentals of Information Technology (Lab)	3	1	25
	SECOND	Paper - II (DSC - B)	Problem solving and Python Programming	4	4	100
		Practical - 2	Problem solving and Python Programming (Lab)	3	1	25
II	THIRD	SEC - 1	University Specified	2	2	50
		SEC - 2	Mini Project	2	2	50
		Paper - III (DSC - C)	Data Engineering with Python	4	4	100
		Practical - 3	Data Engineering with Python (Lab)	3	1	25
	FOURTH	SEC - 3	University Specified	2	2	50
		SEC - 4	Mini Project	2	2	50
		Paper - IV (DSC - D)	Machine Learning	4	4	100
		Practical - 4	Machine Learning (Lab)	3	1	25
III	FIFTH	Paper - V (DSE - A)	Natural Language Processing	4	4	100
		Paper - VI (DSE - A)	No SQL Data Bases	4	4	100
		Practical - 5	Natural Language Processing (Lab)	3	1	25
		Practical - 6	No SQL Data Bases (Lab)	3	1	25
		Paper VI - GE	Data Structures and Algorithms	4	4	100
	SIXTH	Paper - VII (DSE - B)	Big Data	4	4	100
		Paper- VIII (DSE - B)	Deep Learning	4	4	100
		Practical - 7	Big Data (Lab)	3	1	25
		Practical - 8	Deep Learning (Lab)	3	1	25
		(Project)	Major Project	4	4	100



 A. Inna Reddy
 Asst. Professor of Computer Applications
 Government Degree College
 Hyderabad - 500 002
 Board of Studies
 Dept. of
 Osmania U.