



**School of Economics and Commerce**  
**B.Com (Data Science)**

**Scheme of Teaching and Evaluation (STE)**  
**Batch [2025-26]**

Semester I							
Course Code	Course	CMRU Category	CMRU Subcategory	UGC Category	School/ Dept.	Contact Hours/ Week	Credit Distribution L-T-P-C
<b>Program Core</b>							
63ACCT1011	Financial Accounting	Major	FC	Major (Core)	SOEC	4	3-1-0-4
63ITBS1011	Business and Technology	Major	FC	Major (Core)	SOEC	4	3-1-0-4
63ECON1011	Business Economics (Micro-Economics)	Major	FC	Major (Core)	SOEC	3	3-0-0-3
63MATH1011	Business Mathematics	Major	FC	Minor (Core)	SOEC	3	3-0-0-3
<b>Common Core</b>							
CPSAL1062 / 71 / 82	Hindi/ Kannada / English	CC	-	Ability Enhancement	DCCC	2	2-0-0-2
CPSAL1121	Active Communication					3	3-0-0-3
CPSSD1061	Creating with AI					1	1-0-0-1
CCSCD1011	Community Service Programme - I *	CS	-	-	DCCC	2 (15)	0-0-1-1*
<b>TOTAL</b>						<b>22</b>	<b>20 + 1*</b>

\*The Community Service-I (COS-I) of 30 hours has to be carried out in the I Semester. The corresponding 1 credit and the CIE will be reflected in the VI Semester.

Semester II							
Course Code	Course	CMRU Category	CMRU Sub Category	UGC Category	School/ Dept.	Contact Hours/ Week	Credit Distribution L-T-P-C
<b>Program Core</b>							
63MGMT2011	Principles and Practices of Management	Major	FC	Major (Core)	SOEC	3	3-0-0-3
63AEAI2011	Advance Excel with AI Tools	Major	FC	Major (Core)	SOEC	3	3-0-0-3
3DBMS2011	Fundamentals of Database Management System and SQL	Major	FC	Major (Core)	SOEC	4	3-0-1-4
63ECON2011	Macro Economics	Major	AC	Major (Core) /Skill Enhancement	SOEC	3	2-1-0-3
		Inter disciplinary 1	IDE	Inter disciplinary		3	3-0-0-3
<b>Common Core</b>							
CPSAD1013	Design Thinking	CC	-	Ability Enhancement	DCCC	2 (30)	2-0-0-2
CPsDB1011	Career Preparedness Program-I	CC	-	Value added/Ability Enhancement	DCCC	2(30)	0-0-1-1
CCSCD1021	Community Service Programme - II *	CS	-	-	DCCC	2 (15)	0-0-1-1*
<b>TOTAL</b>						<b>25</b>	<b>19 + 1*</b>

\*The Community Service-II (COS-II) of 30 hours has to be carried out in the II Semester. The corresponding 1 credit and the CIE will be reflected in the VI Semester.

*Internship- I (CIP) of 2 credits to be carried out between II and III Semester break. The corresponding 2 credits will be reflected in the VI Semester.*

Semester III							
Course Code	Course	CMRU Category	CMRU Sub Category	UGC Category	School / Dept.	Contact Hours / Week	Credit Distribution L-T-P-C
<b>Program Core</b>							
3ACCT2031	Cost Accounting	Major	IC	Major (Core)	SOEC	3	2-1-0-3
3DSAI3011	Artificial Intelligence	Major	IC	Major (Core)	SOEC	5	3-0-1-4
3ACCT2041	Corporate Accounting	Major	IC	Major (Core)	SOEC	4	3-1-0-4
3MGMT3031	Business Research Methods	MDC	AC	Major (Core)/ Ability Enhancement	SOEC	3	2-1-0-3
3MOOC1011	MOOC-1*	Foundation	FC	Skill enhancement/ Ability Enhancement	SOEC	2	2-0-0-2
		Inter disciplinary 2	IDE	Multi disciplinary /Inter Disciplinary		3	3-0-0-3
3INTS2010	Internship I <sup>†</sup> (CIP)	Internship	-	CC	SOEC	4	0-0-2-2 <sup>†</sup>
<b>Common Core</b>							
CKSAM1051	Indian Constitution	CC	-	Value added/Ability Enhancement	DCCC	2	2-0-0-2
CPSBD1011	Career Preparedness Program-II	CC	-	Value added/Ability Enhancement	DCCC	2	0-0-1-1
CCSCD1031	Community Service Programme - III*	CS	-	-	DCCC	2(15)	0-0-1-1*
<b>TOTAL</b>						<b>30</b>	<b>22 + 1*+2<sup>†</sup></b>

**† Internship I - Community Internship Program (CIP) credits are reflected in the VI Semester**

\*The Community Service - III (COS-III) of 30 hours has to be carried out in the III Semester. The corresponding 1 credit and the CIE will be reflected in the VI Semester.

Semester IV							
Course Code	Course	CMRU Category	CMRU Sub Category	UGC Category	School/ Dept.	Contact Hours/ Week	Credit Distribution L-T-P-C
<b>Program Core</b>							
3FINC3011	Financial Management	Major	AC	Major (Core)	SOEC	4	3-1-0-4
3DSDA4011	Data Analytics using Python	Major	AC	Major (Core)	SOEC	4	2-0-1-3
3DSPL4011	Python Programming LAB	Major	AC	Major (Core)	SOEC	4	2-0-1-3
3TAXN2011	Income Tax Law and Practices	Major	AC	Major (Core)	SOEC	3	3-0-0-3
		Inter disciplinary 3	IDE	Inter Disciplinary		3	3-0-0-3
3CSGC2011	Tally	Foundation	Vocational Course	Major (Skill Enhancement Course)/ Vocational Course	SOEC	5	1-0-2-3
<b>Common Core</b>							
CKSAA1033	Introduction to Philosophical Thoughts	KSC	-			1	1-0-0-1
CPSDR1011	Career Preparedness Program-III	KSC	-			1	0-0-1-1
<b>TOTAL</b>						<b>25</b>	<b>21</b>

*Internship - II (SIP) of 4 credits to be carried out between IV and V Semester break. The corresponding 4 credits will be reflected in the VI Semester.*

Semester V							
Course Code	Course	CMRU Category	CMRU Sub Category	UGC Category	School / Dept.	Contact Hours/ Week	Credit Distribution L-T-P-C
<b>Program Core</b>							
3ACCT3011	Management Accounting	Major	AC	Major (Core)	SOEC	4	3-1-0-4
3ACCT3021	Auditing and Corporate Governance	Major	AC	Major (Core)	SOEC	3	3-0-0-3
3TAXN3021	GST & Indirect Taxes	Major	AC	Major (Core)	SOEC	3	2-1-0-3
3DSXX5011	Elective-1	Elective	AC	Major (Core)	SOEC	4	2-0-1-3
3DSDR5011	Data Analysis with R	Major	AC	Major (Core)	SOEC	6	2-0-2-4
3MOOC1021	MOOC-2	Major	FC	Skill enhancement/ Ability Enhancement	SOEC	2	2-0-0-2
3INTS3010	Internship II <sup>†</sup> (SIP)	Internship	-	CC	SOEC	8	0-0-4-4 <sup>†</sup>
<b>Common Core</b>							
CKSHA1011	Indian Traditions: Values and Critical Inquiry	CC	-			2	2-0-0-2
CCSAE1011	Disaster Management					2	2-0-0-2
<b>TOTAL</b>						<b>34</b>	<b>23 + 4 <sup>†</sup></b>
GR	Training and Placement						GR

<sup>††</sup> Internship II - Summer Internship Program (SIP) credits are reflected in the VI Semester

**III. Specialization- A (Data Science)**

<b>Electives</b>	<b>Course Code</b>	<b>Course Title</b>
Elective-1	3DSAH5011	Apache Hadoop for Data Science
Elective-2	3DSAS5011	Apache spark for data science



Semester VI							
Course Code	Course	CMRU Category	CMRU Subcategory	UGC Category	School/ Dept.	Contact Hours/ Week	Credit Distribution L-T-P-C
<b>Program Core</b>							
3DSDV6011	Data Visualization for Analysis	Major	AC	Major (Core)	SOEC	4	2-0-1-3
3DSAM6011	Modeling using AMOS LAB	Major	AC	Major (Core)	SOEC	4	2-0-1-3
3INTS2010	Internship I <sup>†</sup> (CIP)	Internship	IC	CC	SOEC	-	0-0-2-2 <sup>†</sup>
3INTS3010	Internship II <sup>††</sup> (SIP)	Internship	IC	CC	SOEC	-	0-0-4-4 <sup>††</sup>
3CAPS4010	Capstone	Project	Project	DSE	SOEC	12	0-0-6-6
CCSCD1011	Community Service Programme - I*	CS	-	-	DCCC	-	0-0-1-1*
CCSCD1021	Community Service Programme - II	CS	-	-	DCCC	-	0-0-1-1*
CCSCD1031	Community Service Programme - III*	CS	-	-	DCCC	-	0-0-1-1*
CKSAM1021	Environment and Sustainability						2-0-0-2
<b>TOTAL</b>						<b>20</b>	<b>23</b>

† The credits of Internship I - Community Internship Program (CIP) taken up after the II Semester is reflected in the VI Semester

†† The credits of Internship II - Summer Internship Program (SIP) taken up after the IV Semester is reflected in the VI Semester