

# **SRI KRISHNA ARTS AND SCIENCE COLLEGE**

An Autonomous College Affiliated to Bharathiar University  
Coimbatore - 641008, Tamil Nadu, India.

## **LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (LOCF)**

**B.Sc (ISM)**

**For 2023-24 admitted students**

**DEPARTMENT OF MANAGEMENT SCIENCE**



**SRI KRISHNA ARTS AND SCIENCE COLLEGE**  
COIMBATORE – 641008

**DEPARTMENT OF MANAGEMENT SCIENCE**

(2023-2024)

<b>I. PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)</b>	
<b>PEO 1</b>	Graduates will function in business or profession with social awareness and Responsibility.
<b>PEO 2</b>	Graduates will communicate with their fellow professionals and in other discipline and society and contribute their expertise to the economic growth of the country.
<b>PEO 3</b>	Graduates will be successful in pursuing their higher studies in management or their chosen field.

<b>II. PROGRAMME LEARNING OUTCOMES (PLOs)</b>	
<b>No.</b>	<b>The Graduates of B.Sc (ISM) Programme will be able to:</b>
<b>PLO1</b>	Identify the programming and technical knowledge acquired in the current computational demands. (Cognitive)
<b>PLO2</b>	Analyze the complex problems and identify solutions through critical thinking skills. (Cognitive)
<b>PLO3</b>	Adapt to the latest tools and techniques used to develop domain based innovative solutions with the acquired technical and operational skills. (Psychomotor)
<b>PLO4</b>	Function and contribute as a team in the diversified environment in taking competitive decision. (Affective)
<b>PLO5</b>	Communicate effectively with the computing community as well as society to comprehend effective documentation and presentation. (Affective)
<b>PLO6</b>	Incorporate advanced digital skills in designing, developing, managing and deploying in media and technical field. (Affective)
<b>PLO7</b>	Apply quantitative, numerical and statistical skills to solve challenging problems with effective solutions. (Cognitive)
<b>PLO8</b>	Articulate leadership skills in motivating the team towards the target in a multi-disciplinary environment. (Affective)
<b>PLO9</b>	Recognize the need and ability to involve independent and life-long learning in the changing era of technology. (Affective)
<b>PLO10</b>	Interpret the impact of professional business solutions on business environment for sustainable development. (Affective)
<b>PLO11</b>	Follow ethical principles and commit to professional responsibilities for a relevant technical practice. (Affective)

III. PROGRAMME LEARNING OUTCOMES VS GRADUATE ATTRIBUTES VSTAXONOMY OF VERBS														
PLO	Graduate Attributes										Blooms			
	Knowledge	Critical Thinking	Practical Skills	Team work	Communication skills	Digital skills	Numeracy	Leadership skills	Lifelong learning	Entrepreneurial skills	Ethics & Professionalism	Cognitive	Psychomotor	Affective
1	√											√		
2		√										√		
3			√										√	
4				√										√
5					√									√
6						√								√
7							√					√		
8								√						√
9									√					√
10										√				√
11											√			√

IV. PROGRAMME LEARNING OUTCOMES VS PROGRAMME EDUCATIONAL OBJECTIVES			
PLO	PEO 1	PEO 2	PEO 3
PLO 1	√		
PLO 2	√		
PLO 3		√	
PLO 4		√	
PLO 5		√	
PLO 6		√	
PLO 7	√		
PLO 8		√	
PLO 9			√
PLO 10		√	
PLO 11		√	

V. ADDITIONAL PROGRAMME OUTCOMES (APOs)	
<b>APO 1</b>	Graduates will have an ability to have Social Intelligence with Social Intelligent Quotient and Emotional Quotient ( <b>SIQ &amp; EQ</b> )
<b>APO 2</b>	Graduates have virtual collaborative ability to enhance learning retention and

	motivation and encourage knowledge sharing and support. (VCA)
<b>APO 3</b>	Graduates will have critical thinking and innovative skills to stay competitive in their future careers and excel beyond the content knowledge (CTI)
<b>APO 4</b>	Graduates will have good digital foot print in the area of management in embarking lifelong learning techniques. (GDFP)

#### VI. PROGRAMME SPECIFIC OUTCOMES (PSO's)

<b>PSO 1</b>	Able to develop proficiency in various fields of management and administration.
<b>PSO 2</b>	Enable practical skills in Finance, Marketing, Human Resource, Systems Management and General Management. Will have the ability to use the networking for the above functions. They can work as middle level managers, entrepreneurs, management consultants, financial support services like BPOs & KPOs as functional consultants.
<b>PSO 3</b>	Pursue professional course for higher education as a pathway of higher learning process.

#### VII. Curriculum Structure for B.Sc (ISM)

##### Course Components, Credits & Marks Distribution

Part No	Group	Basic Structure: Distribution of Courses	Number of Courses	Total Marks	Total Credits
I – III	1	AEC – Ability Enhancement Courses	10	1000	24
III & IV	2	DSC – Discipline Specific Courses	15	1500	60
	3	DSE – Discipline Specific Electives	10	1000	40
	4	GEC – Generic Elective Courses	4	400	12
	5	SEC – Skill Enhancement Courses	2	100	4
	IV	6	ANCC I & II – Audit Non-Credit Courses	3	-
V	ANCC III – Audit Non-Credit Courses		1	Completed	
-	7	DTC – Drive Through Courses (SWAYAM-NPTEL, Coursera, Any courses certified by statutory bodies, etc)	Any number	-	Addl. Credits
<b>Total</b>				<b>4000</b>	<b>140</b>

**Group 1. Ability Enhancement Courses (AECs) (I & II Semesters)**

AEC are the courses based upon the content that leads to knowledge enhancement. Ability Enhancement Courses (AEC) are the following:

S. No.	Course Code	Course Title	Semester	Ownership Department	Contact Hours	Credits	Marks
1	23AEC01/ 23AEC07/ 23AEC11/	<b>AECPARTI: Language I:</b> Tamil-I- Tamil Pozhil / Hindi-I/ French-I	I	Language Dept.	6	3	100
2	23AEC21	<b>AEC PART II: English I:</b> Professional English – I	I	English Dept.	4	3	100
3	23AEC03/ 23AEC08/ 23AEC12	<b>AECPARTI: Language II:</b> Tamil-II-Naruntamil / Hindi-II/ French-II	II	Language Dept.	6	3	100
4	23AEC23	<b>AEC PART II: English I:</b> Professional English – II	II	English Dept.	4	3	100
5	23AEC38	<b>AEC Part III:</b> Academic Skills for Commerce and Management	II	Management Dept.	2	2	100

**Group 2. Discipline Specific Courses (DSCs) (I & II Semesters)**

These courses are to be studied compulsorily by the students as a core requirement. The students are required to take DSCs across six semesters. The courses designed under this category aim to cover the basics that a student is expected to imbibe in the particular discipline. It includes Major project.

S. No.	Course Code	Course Title	Semester	Contact Hours	Credits	Marks
1	23IMU01	Introduction to Management and Business	I	5	4	100
2	23IMU02A	Fundamentals Of CProgramming	I	3	2	50
	23IMU02B	Practical: C Programming		2	2	50
3	23IMU03A	Fundamentals Of C++ Programming	II	3	2	50
	23IMU03B	Practical: C++ Programming		2	2	50
4	23IMU04	Principles of Accounting	II	6	4	100

**Group 3. Discipline Specific Elective (DSEs) (I & II Semesters)**

Discipline Specific Elective courses offered under the main discipline of study which may be specialized or advanced or supportive to the discipline of study. Students can choose any TEN courses from the following list.

S. No.	Course Code	Course Title	Ownership Department	Contact Hours	Credits	Marks
1	23IMU16	Practical : Word and Presentation tools	Management Dept.	3	3	100

#### Group 4. Generic Elective Courses (GECs) (I & II Semesters)

Generic Elective Courses are interdisciplinary in nature. They are additional courses based on expertise, specialization, requirements, scope, and need of the department. The student has to subscribe any 4 courses in the following list:

Sl. No.	Course Code	Course Title	Semester	Ownership Department	Contact Hours	Credits	Marks	SD/EM/EN	G/L/R/N
1	23GEU03	Statistics for Management	I	Maths Dept	5	3	100	EM	G
	23GEU04	Mathematics for Management	I						
1	23GEU05	Operations Research for Management	II	Maths Dept	5	3	100	EM	G
	23GEU06	Mathematics for Business	II						

#### Group 5 : Skill Enhancement Courses(SEC)

SEC I : Compulsory Course : Talent Enhancement Course : Career Guidance

SEC II : A Bucket of Skill based Courses are offered for the Under Graduate programmes aimed at imparting advanced skill. A Student has to subscribe one course from list offered by the department.

Courses Offered by Nan Mudhalvan Scheme/Certification in Core Area/Department offered Certification Course.

#### Group 6. Audit Non-Credit Courses (ANCC)

Non-Credit Courses are intended for students who want to gain general knowledge, learn a new skill, upgrade existing skills, enrich their understanding of a wide range of topics, or develop personal interests. A student has to complete any two courses during Semester I and II.

Part IV- ANCC		
S. No.	Course Code	Course Name
<b>Semester I - ANCC 1</b>		
1.	23ANC01	Environmental Studies
<b>Semester II - ANCC 2 - Values &amp; Ethics</b>		
2.	23ANC02	Human Rights
3.	23ANC03	Women's Rights
4.	23ANC04	Yoga for Human Excellence
5.	23ANC05	Indian Culture and Heritage
6.	23ANC06	Introduction to Cyber Security
7.	23ANC07	Consumer Protection
8.	23ANC08	Constitution of India
9.	23ANC09	Waste Management
10.	23ANC10	Cyber Ethics

### Group 7.

#### i) Drive-Through Course (DTC)I & II– Additional Credits

These courses are intended to bring out and promote the self-learning initiative of the students – where their own motivation is what drives them to complete the course and not external compulsions. This fosters the habit of keeping oneself updated always by means of self-study. It gives opportunities to the students to explore new areas of interest and earn additional credits. Students can take any number of courses under this cafeteria system. The credits will not be taken for CGPA calculation. Additional 4 credits per Course will be given on submission of certificate.

#### 1. SWAYAM-NPTEL

- 4 Additional Credits will be given on submission of the certificate.

#### 2. Coursera

- 4 Additional Credits will be given on completion of Specialization Course with 7 – 8 modules
- 3 Additional Credits will be given on completion of Specialization Course with 5 – 6 modules
- 2 Additional Credits will be given on completion of Specialization Course with 3 – 4 modules

#### 3. Any courses certified by statutory bodies.

#### ii) Drive-Through Course (DTC – III) – To be Completed

##### Internship Training/Mini Project/ Spoken Tutorial/Economic Talent test etc.

Students individually or with the maximum of four members per batch should take up either Internship training or mini project for a period of fifteen days during IV Semester vacation. The report will be evaluated and viva-voce examination will be conducted during 5<sup>th</sup> semester. Otherwise, the students have to complete one spoken tutorial course or any certification course suggested by the department.

## VIII. Semester-wise Scheme

Semester I										
Course Code	Course Title	T/P/E	ESE Dur. Hrs	Ins. Hrs/Week	CIA Marks	ES Marks	Total Marks	Credits	SD/EM/EN	G/L/R/N
23AEC01/ 23AEC07/ 23AEC11/	<b>AECPARTI: Language I:</b> Tamil-I- Tamil Pozhil / Hindi-I/ French-I	T	3	6	25	75	100	3	SD	L/N /G/ R
23AEC21	<b>AEC PART II: English I:</b> Professional English – I	T	3	4	25	75	100	3	SD	G
23IMU01	<b>DSC 1:</b> Introduction to Management and Business	T	3	5	25	75	100	4	EM	G
23IMU02A	<b>DSC-2A:</b> Fundamentals Of C Programming	E	3	3	10	40	50	2	EM	G
23IMU02B	<b>DSC-2B:</b> Practical: C Programming	P	3	2	10	40	50	2	EM	G
23IMU16	<b>DSE 1:</b> Practical : Word and Presentation tools	P	3	3	25	75	100	3	EM	G
23GEU03/ 23GEU04	<b>GEC 1:</b> Statistics for Management/ Mathematics for Management	T	3	5	25	75	100	3	EM	G
<b>DTC - I - Additional Credit Courses (NPTEL/Coursera)</b>										
23ANC01	<b>ANCC-1</b> Environmental Studies	T	-	2	-	-	Completed		SD	G
<b>Total</b>				<b>30</b>			<b>600</b>	<b>20</b>		
Semester II										
Course Code	Course Title	T/P/E	ESE Dur. Hrs	Ins. Hrs/Week	CIA Marks	ES Marks	Total Marks	Credits	SD/EM/EN	G/L/R/N
23AEC03/ 23AEC08/	<b>AECPARTI: Language II:</b> Tamil-II-Naruntamil / Hindi-II/ French-II	T	3	6	25	75	100	3	SD	L/N /G/ R



23AEC12										
23AEC23	<b>AEC PARTII: English II: Professional English–II</b>	T	3	4	25	75	100	3	SD	G
23AEC38	<b>AEC Part III: Academic Skills for Commerce and Management</b>	T	-	2	100	-	100	2	SD/ EM/ EN	G
23IMU03A	<b>DSC-3A: Fundamentals Of C +Programming</b>	E	3	3	10	40	50	2	EM	G
23IMU03B	<b>DSC-3B: Practical: C++ Programming</b>		3	2	10	40	50	2	EM	G
23IMU04	<b>DSC 4: Principles of Accounting</b>	T	3	6	25	75	100	4	EM	G
23GEU05/ 23GEU06	<b>GEC 2: Operations Research for Management / Mathematics for Business</b>	T	3	5	25	75	100	3	EM	G
<b>DTC II : Additional Credit Courses (NPTEL/Coursera)</b>										
23ANC09	<b>ANCC-2 Value &amp; Ethics: Waste Management</b>	T	-	2	-	-	Completed		EN	R
<b>Total</b>				<b>30</b>			<b>600</b>	<b>19</b>		
<b>Drive-Through Course (DTC):</b> Courses offered in SWAYAM-NPTEL, Coursera OR Any courses certified by statutory bodies.		Additional 4 credits per Course will be given on submission of Certificate					During Semester I to Semester VI			

<b>The Courses focuses the following needs:</b>				
<b>Needs</b>	<b>G- Global</b>	<b>N -Regional</b>	<b>R-Regional</b>	<b>L-Local</b>
SD	Skill Development			
EM	Employability			
EN	Entrepreneurship			

**Semester-wise Distribution of Marks and Credits:**

<b>Semester</b>	<b>Total Marks</b>	<b>Total Credits</b>
I	600	20
II	600	19

**OFFERED BY (I & II Semesters)****List of Courses Offered by Maths Department**

Semester	Course Code	Course Name	Programme	T/P/E	Ins. hrs	CIA	ES	Total Marks	Credit
I	23GEU03	Statistics for Management	BBA/ BBA(CA)/ B.Sc. (ISM)/ BBA (LOGISTICS)	T	5	25	75	100	3
	23GEU04	Mathematics for Management	BBA/ BBA(CA)/ B.Sc. (ISM)/ BBA (LOGISTICS)	T	5	25	75	100	3
II	23GEU05	Operations Research for Management	BBA/ BBA(CA)/ B.Sc. (ISM)/ BBA (LOGISTICS)	T	5	25	75	100	3
	23GEU06	Mathematics for Business	BBA/ BBA(CA)/ B.Sc. (ISM)/ BBA (LOGISTICS)	T	5	25	75	100	3

