Department of Mathematics

Courses focus on Employability, Entrepreneurship and Skill development

Particulars	Regulation 2015 – 2017	Regulation 2018 – 2020	Regulation 2021 – 2023
Courses Focusing Employability	7	11	8
Courses Focusing Skill Development	7	12	17
Courses Focusing Entrepreneurship	1	1	1
Total	**15**	**24**	**26**

CRITERION - I

Courses focus on Employability, Entrepreneurship and Skill development

Regulation 2015 – 2017

S.No.	Semester	Course Code	Course Name	Employability	Skill development	Entrepreneurship	Contemporary Requirement
1.	III	15PMAC31	Field Theory and Lattices		YES		
2.	III	15PMAC32	Measure Theory		YES		
3.	III	15PMAC33	Functional Analysis		YES		
4.	III	15PMAC34	Topology		YES		
5.	III	15PMAN31	Bio Statistics	YES			
6.	III	15PMAN32	Business Statistics	YES			
7.	III	15PMAN33	Quantitative Aptitude	YES			
8.	IV	15PMAC41	Complex Analysis	YES			
9.	IV	15PMAC42	Number Theory and Cryptography		YES		
10.	IV	15PMAC43	Operations Research			YES	
11.	IV	15PMAO41	Microsoft Visual Basic	YES			
12.	IV	15PMAO42	Advanced Functional Analysis		YES		
13.	IV	15PMAO43	Advanced Statistics	YES			
14.	IV	15PMAO44	Advanced Topology		YES		

CRITERION - I

15.	IV	15PMAJ41	Project	YES			
			Total No of courses	**7**	**7**	**1**	
			Percentage	**46.67%**	**46.67%**	**6.66%**	

Courses focus on Employability, Entrepreneurship and Skill development

Regulation 2015 – 2017

Graphical Representation
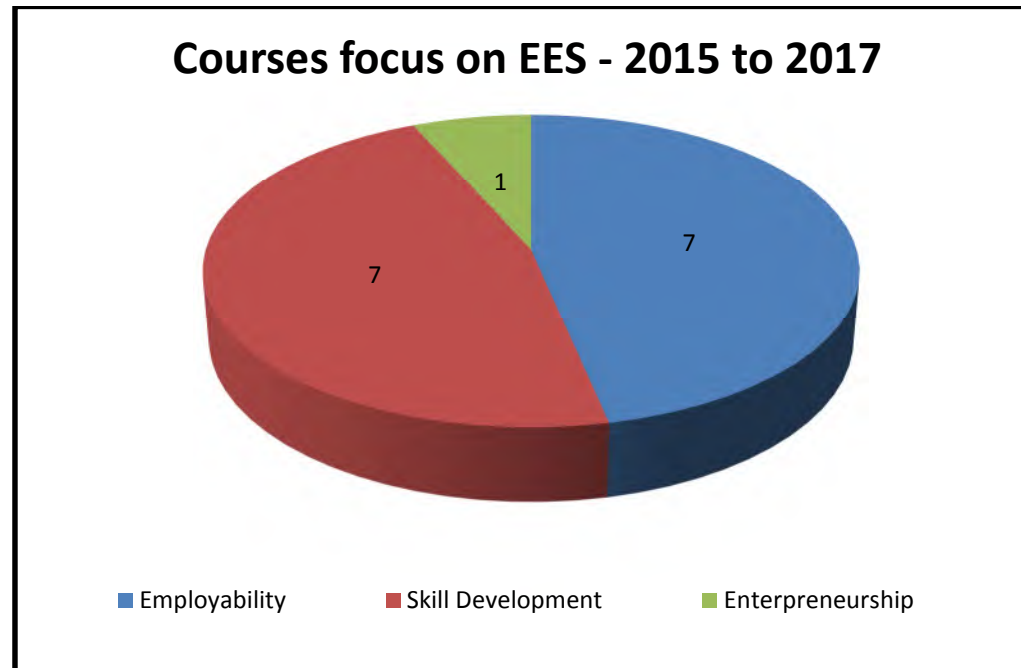
Courses focus on Employability, Entrepreneurship and Skill development

Regulation 2018 – 2020

S.No	Semester	Course Code	Course Name	Employability	Skill development	Entrepreneurship	Contemporary Requirement
1.	I	18PMAC11	Algebra I		YES		YES
2.	I	18PMAC12	Real Analysis		YES		YES
3.	I	18PMAC13	Graph Theory – I	YES			
4.	I	18PMAC14	Statistics	YES			YES
5.	I	18PMAO11	Combinatorial Mathematics	YES			
6.	I	18PMAO12	Automata and Formal Languages		YES		
7.	I	18PMAO13	Modern Applied Algebra		YES		
8.	II	18PMAC21	Algebra II		YES		YES
9.	II	18PMAC22	Measure Theory		YES		YES
10.	II	18PMAC23	Differential Equations		YES		
11.	II	18PMAC24	Classical Mechanics	YES			
12.	II	18PMAN21	Fundamentals of Statistics	YES			
13.	III	18PMAC31	Functional Analysis		YES		YES
14.	III	18PMAC32	Operations Research			YES	
15.	III	18PMAC33	Fuzzy Analysis		YES		
16.	III	18PMAC34	Topology		YES		

CRITERION - I

17.	III	18PMAO31	Advanced Numerical Analysis	YES			
18.	III	18PMAO32	Graph Theory - II	YES			
19.	III	18PMAO33	Differential Geometry	YES			
20.	IV	18PMAC41	Complex Analysis	YES			
21.	IV	18PMAC42	Number Theory and Cryptography		YES		
22.	IV	18PMAC43	Stochastic Processes	YES			
23.	IV	18PMAC44	Advanced Topology		YES		
24.	IV	18PMAJ41	Project	YES			
			Total No of courses	**11**	**12**	**1**	
			Percentage	**50%**	**45.83%**	**4.17%**	

Courses focus on Employability, Entrepreneurship and Skill development

Regulation 2018 – 2020

Graphical Representation

Courses focus on EES - 2018 to 2020

SRI KALISWARI COLLEGE (AUTONOMOUS)
Affiliated to Madurai Kamaraj University, Madurai
Re-accredited with 'A' grade (3rd cycle) by NAAC with CGPA 3.11
A.Meenakshipuram, Anaikuttam Post, **SIVAKASI - 626 130. Tamilnadu**
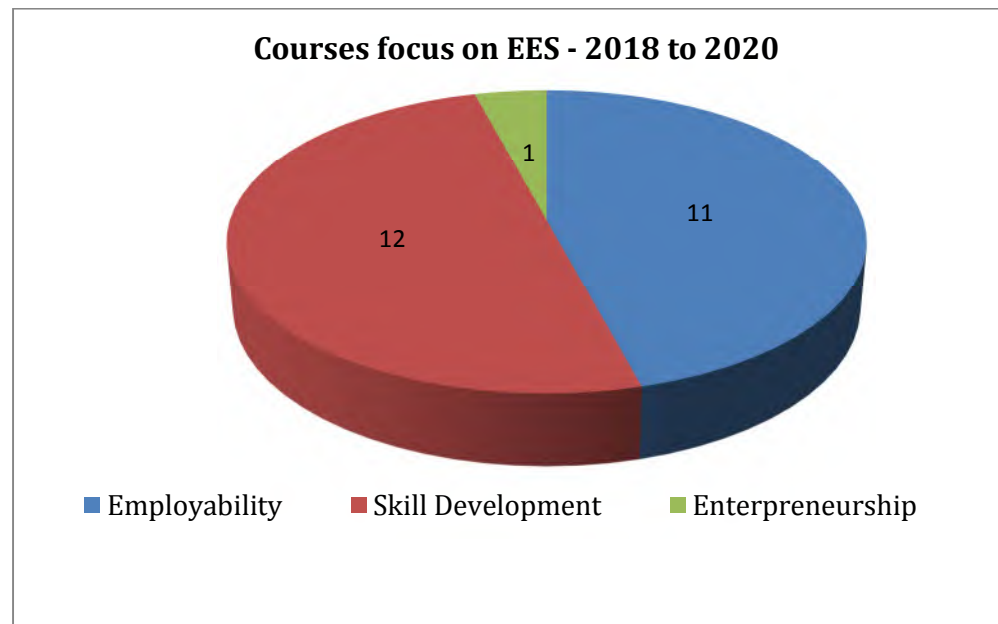
NAAC IV CYCLE

Courses focus on Employability, Entrepreneurship and Skill development

Regulation 2021 – 2023

S.No.	Semester	Course Code	Course Name	Employability	Skill development	Entrepreneurship	Contemporary Requirement
1.	I	21PMAC11	Abstract Algebra		YES		
2.	I	21PMAC12	Real Analysis		YES		
3.	I	21PMAC13	Graph Theory and Algorithms	YES			YES
4.	I	21PMAC14	Mathematical Statistics	YES			
5.	I	21PMAO11	Combinatorial Techniques	YES			
6.	I	21PMAO12	Numerical Computation Techniques		YES		
7.	I	21PMAO13	Formal Languages and Automata Theory		YES		YES
8.	II	21PMAC21	Linear Algebra		YES		YES
9.	II	21PMAC22	Measure Theory		YES		
10.	II	21PMAC23	Ordinary and Partial Differential		YES		

CRITERION - I

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S.No.	Semester	Course Code	Course Name	Employability	Skill development	Entrepreneurship	Contemporary Requirement
			Equations				
11.	II	21PMAC24	Differential Geometry	YES			
12.	II	21PMAN21	Numerical Computation Methods	YES			YES
13.	III	21PMAC31	Functional Analysis		YES		
14.	III	21PMAC32	Optimization Techniques			YES	
15.	III	21PMAC33	Topology		YES		
16.	III	21PMAC34	Research Methodology		YES		YES
17.	III	21PMAO31	Functions of Several Variables		YES		YES
18.	III	21PMAO32	Fuzzy Mathematics		YES		
19.	III	21PMAO33	Elements of Stochastic Processes		YES		
20.	III	21PMAM31	Self-paced Learning (Swayam Course) : Introduction to Methods of Applied Mathematics		YES		YES
21.	III	21PMAM32	Self-paced Learning (Swayam Course):		YES		YES

CRITERION - I

S.No.	Semester	Course Code	Course Name	Employability	Skill development	Entrepreneurship	Contemporary Requirement
			Regression Analysis				
22.	IV	21PMAC41	Complex Analysis	YES			
23.	IV	21PMAC42	Number Theory and Cryptography		YES		
24.	IV	21PMAC43	Integral Equations		YES		YES
25.	IV	21PMAC44	Mechanics	YES			
26.	IV	21PMAJ41	Project	YES			
			Total No of courses	**8**	**17**	**1**	
			Percentage	**30.77%**	**65.38%**	**3.85%**	

CRITERION - I

Courses focus on Employability, Entrepreneurship and Skill development

Regulation 2021 – 2023

Graphical Representation

Courses focus on EES - 2021 to 2023

■ Employability   ■ Skill Development   ■ Enterpreneurship