



Department of Chemistry

Courses focus on Employability, Entrepreneurship and Skill development

Particulars	Regulation 2015 - 2017	Regulation 2018 - 2020	Regulation 2021 - 2023
Courses Focusing Employability	10	20	21
Courses Focusing Skill Development	1	5	2
Courses Focusing Entrepreneurship	1	2	2
Total	12	27	25



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	15PCHC31	Organic Spectroscopy, Reagents And Synthetic Method	YES			
2	III	15PCHC32	Physical methods in inorganic chemistry -	YES			
3	III	15PCHC33	Group Theory and Spectroscopy	YES			
4	III	15PCHN31	Industrial chemistry			YES	YES
5	III	15PCHN32	Environmental Science	YES			
6	III	15PCHC3P	Physical Chemistry Practical	YES			
7	IV	15PCHC41	Photochemistry And Natural Products	YES			
8	IV	15PCHC42	Nuclear Chemistry, Lanthanide, actinides and Organometallic Chemistry	YES			
9	IV	15PCHC43	Chemical Kinetics and Surface chemistry	YES			
10	IV	15PCHO41	Concepts of Green	YES			

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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

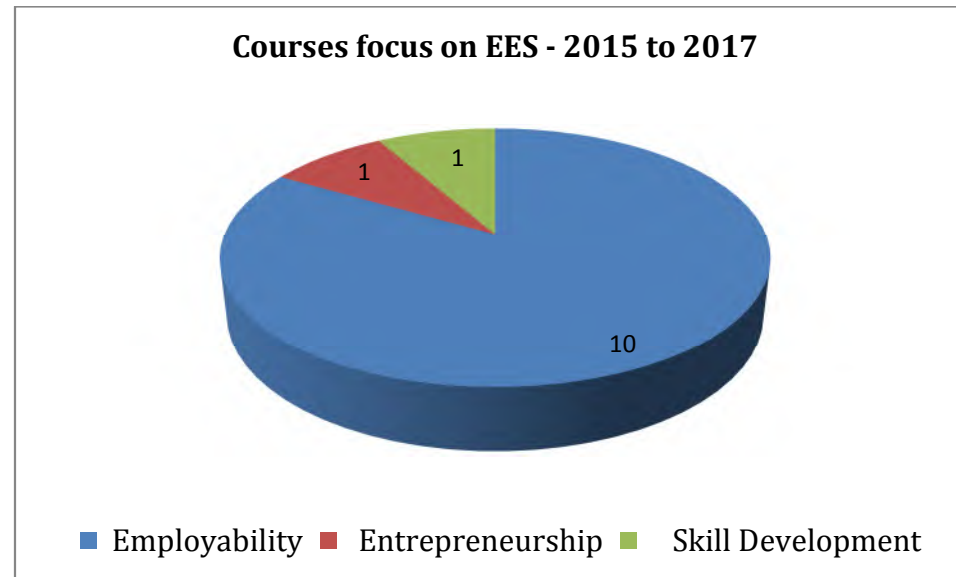
			Chemistry				
11	IV	15PCHO42	Supramolecular chemistry	YES			
12	IV	15PCHJ41	Project/Review of Recent Aspects of Chemistry		YES		
Total No of courses				10	1	1	
Percentage				83.3%	8.3%	8.3%	



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	18PCHC11	Concepts-Reaction Mechanism and Stereo Chemistry	YES			
2	I	18PCHC12	Bonding, Solid state and Term Symbols	YES			
3	I	18PCHC13	Thermodynamics, and Electrochemistry	YES			
4	I	18PCHO11	Principle and applications of Drug Design and Discovery			YES	
5	I	18PCHO12	Green Chemistry	YES			
6	I	18PCHO13	Computer Applications in Chemistry		YES		YES
7	I	18PCHC1P	Organic Chemistry Practical - I	YES			
8	I	18PCHC1Q	Inorganic Chemistry Practical - I	YES			
9	II	18PCHC21	Reaction Mechanism and Natural Products	YES			
10	II	18PCHC22	Coordination and Organometallic Chemistry	YES			



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11	II	18PCHC23	Quantum, Macromolecule and Equilibria	YES			
12	II	18PCHN21	Chemistry for Healthy Living			YES	
13	II	18PCHC2P	Inorganic Chemistry Practical - II	YES			
14	II	18PCHC2Q	Physical Chemistry Practical - I	YES			
15	III	18PCHC31	Organic Spectroscopy, Reagents and Synthetic methods	YES			
16	III	18PCHC32	Physical Methods in Inorganic Chemistry	YES			
17	III	18PCHC33	Group Theory and Spectroscopy	YES			
18	III	18PCHO31	Geo Chemistry	YES			
19	III	18PCHO32	Nano Chemistry		YES		YES
20	III	18PCHO33	Research methodology		YES		
21	III	18PCHC3P	Organic Chemistry Practical II	YES			
22	III	18PCHC3Q	Physical Chemistry Practical II	YES			
23	IV	18PCHC41	Photochemistry and Natural Products	YES			

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S.No.	Semester	Course Code	Course Name	Employability	Skill Development	Entrepreneurship	Contemporary Requirement
24	IV	18PCHC42	Nuclear and Bioinorganic Chemistry	YES			
25	IV	18PCHC43	Chemical Kinetics Surface and Photochemistry	YES			
26	IV	18PCHC4P	Practical in Computational Chemistry		YES		YES
27	IV	18PCHJ41	Project/Review of Recent Aspects of Chemistry		YES		
Total No of courses				20	5	2	
Percentage				74%	7.4%	18.5%	

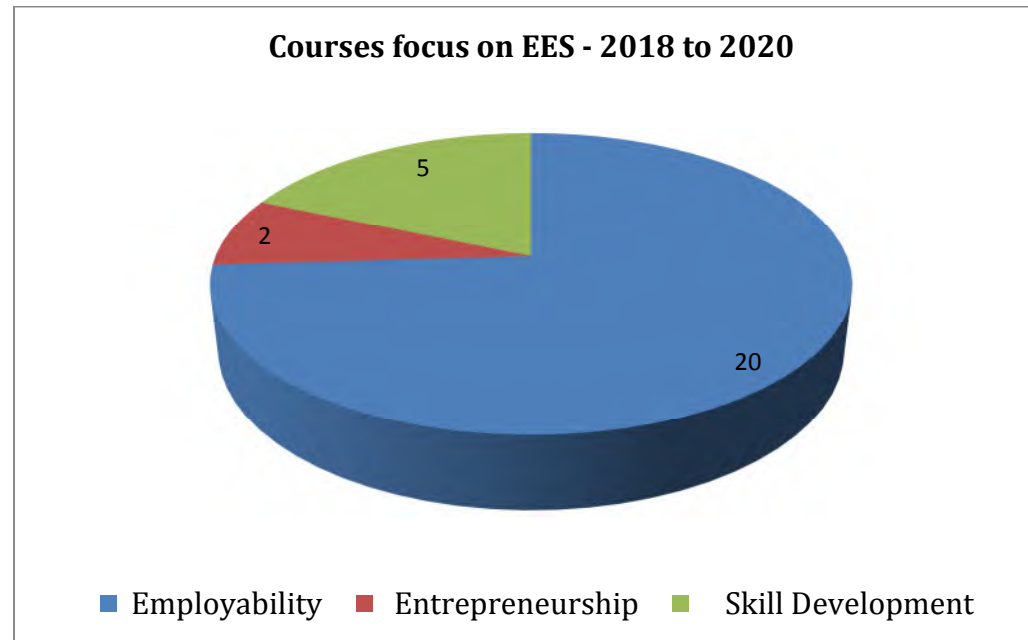
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Courses focus on Employability, Entrepreneurship and Skill development

Regulation 2018 - 2020

Graphical Representation





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	21PCHC11	Reaction Mechanism and Stereochemistry	YES			
2	I	21PCHC12	Structure and Bonding	YES			
3	I	21PCHC13	Electrochemistry, Thermodynamics and Surface chemistry	YES			
4	I	21PCHC1P	Practical: Organic Quantitative and Qualitative Analysis	YES			
5	I	21PCHO11	Green Chemistry	YES			
6	I	21PCHO12	Material Chemistry	YES			YES
7	I	21PCHO13	Medicinal and Pharmaceutical Chemistry			YES	
8	II	21PCHC21	Rearrangement, Name Reactions Oxidation and Reduction	YES			
9	II	21PCHC22	Coordination, Bioinorganic and Inorganic Photochemistry	YES			
10	II	21PCHC23	Group Theory, Equilibria	YES			



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S.No.	Semester	Course Code	Course Name	Employability	Skill Development	Entrepreneurship	Contemporary Requirement
			and Statistical Thermodynamics				
11	III	21PCHC2P	Practical: Inorganic Quantitative and Qualitative Analysis	YES			
12	II	21PCHN21	Chemistry for Healthy Living			YES	
13	III	21PCHC31	Spectroscopy and Spectrometry	YES			
14	III	21PCHC32	Nuclear, Organometallics and Inorganic Spectroscopy	YES			
15	III	21PCHC33	Spectroscopy and Photochemistry	YES			
16	IV	21PCHC3P	Practical: Physical Chemistry	YES			
17	III	21PCH031	Nuclear Reactions, Radiation Chemistry, Photoelectron Spectroscopy and Organometallics in Industry	YES			
18	III	21PCH032	Advanced Analytical Chemistry	YES			
19	III	21PCH033	Drug Design and Discovery		YES		YES
20	III	21PCHM31	Advanced Transition Metal Organometallic	YES			

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S.No.	Semester	Course Code	Course Name	Employability	Skill Development	Entrepreneurship	Contemporary Requirement
21	III	21PCHM32	Chemistry of Main Group Elements	YES			
22	IV	21PCHC41	Photochemistry, Pericyclic Reactions, Heterocycles and Natural Products	YES			
23	IV	21PCHC42	Quantum and Chemical Kinetics	YES			
24	IV	21PCHC43	Research Methodology	YES			
25	IV	21PCHJ41	Project		YES		
Total No of courses				21	2	2	
Percentage				84%	8%	8%	

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Regulation 2021 - 2023

Graphical Representation

