



Holy Cross College (Autonomous) Nagercoil – 629 004

Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Nationally Accredited with A+ Grade (CGPA 3.35) by NAAC IV Cycle
An ISO 9001:2015 Certified Institution

SSR
2019-2020
to
2023-2024

2.2.1 The Institution Assesses the Learning Levels of the Students and Organises Special Programmes to Cater to Differential Learning Needs of the Student

SELF-LEARNING COURSES

HCCNGL Admin
STRIVE TO EXCEL

2022APE363

.....

Sign me in

Forgot password?

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HCCNGL ERP ADMIN
We strive to form academically excellent individuals committed to God and to social growth using all their endowments.

HCCNGL ERP

Welcome
DAFFNI S J

Student Dashboard

Home / StudentDashboard

Word Of The Day
Loading...

View Detail

Did you download the Aarogya setu App?

Yes

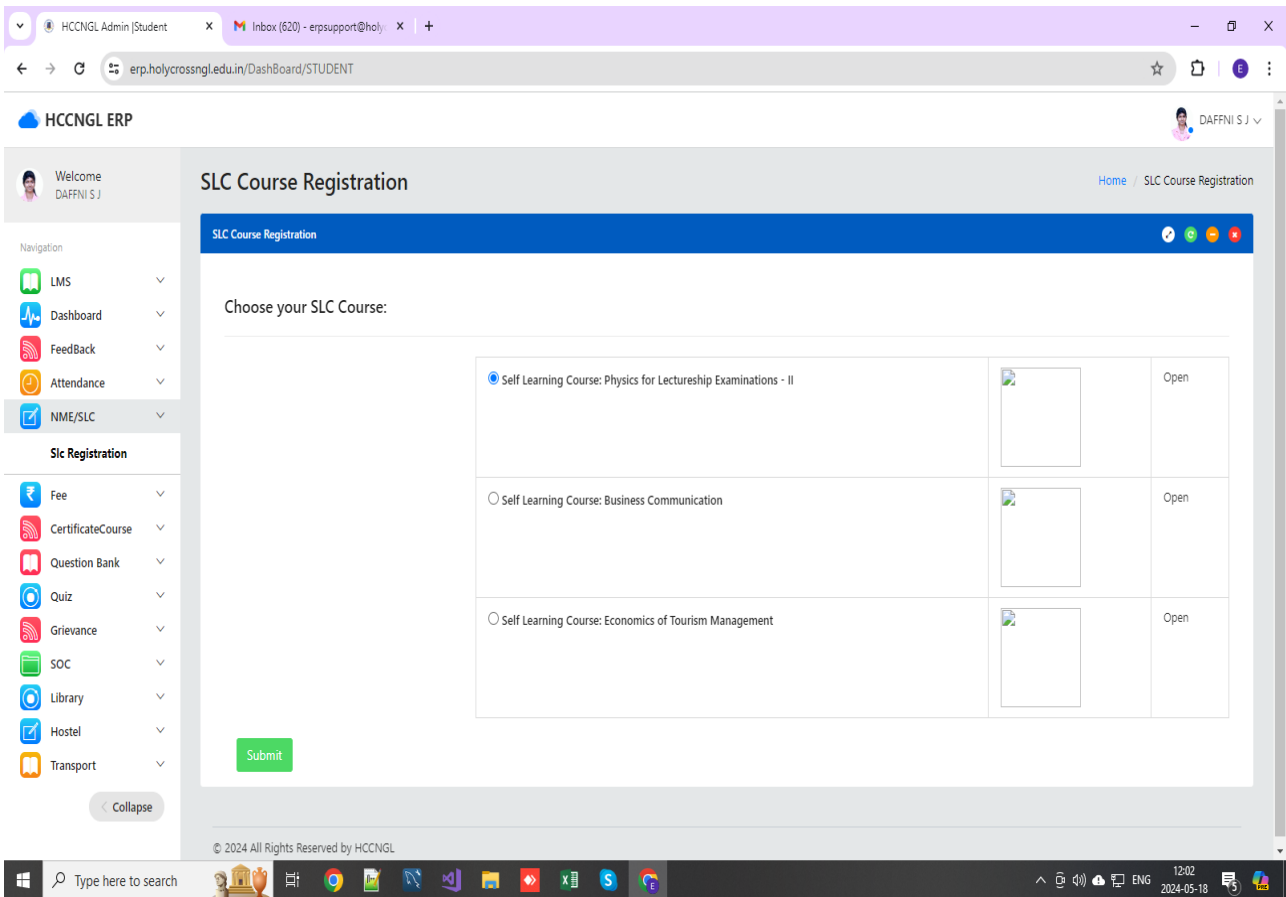
Day Order: 6
Attendance Percentage: 0
Courses: 0
Time: 12:02:23 PM

View Detail

Notice Board

#	Description	Action
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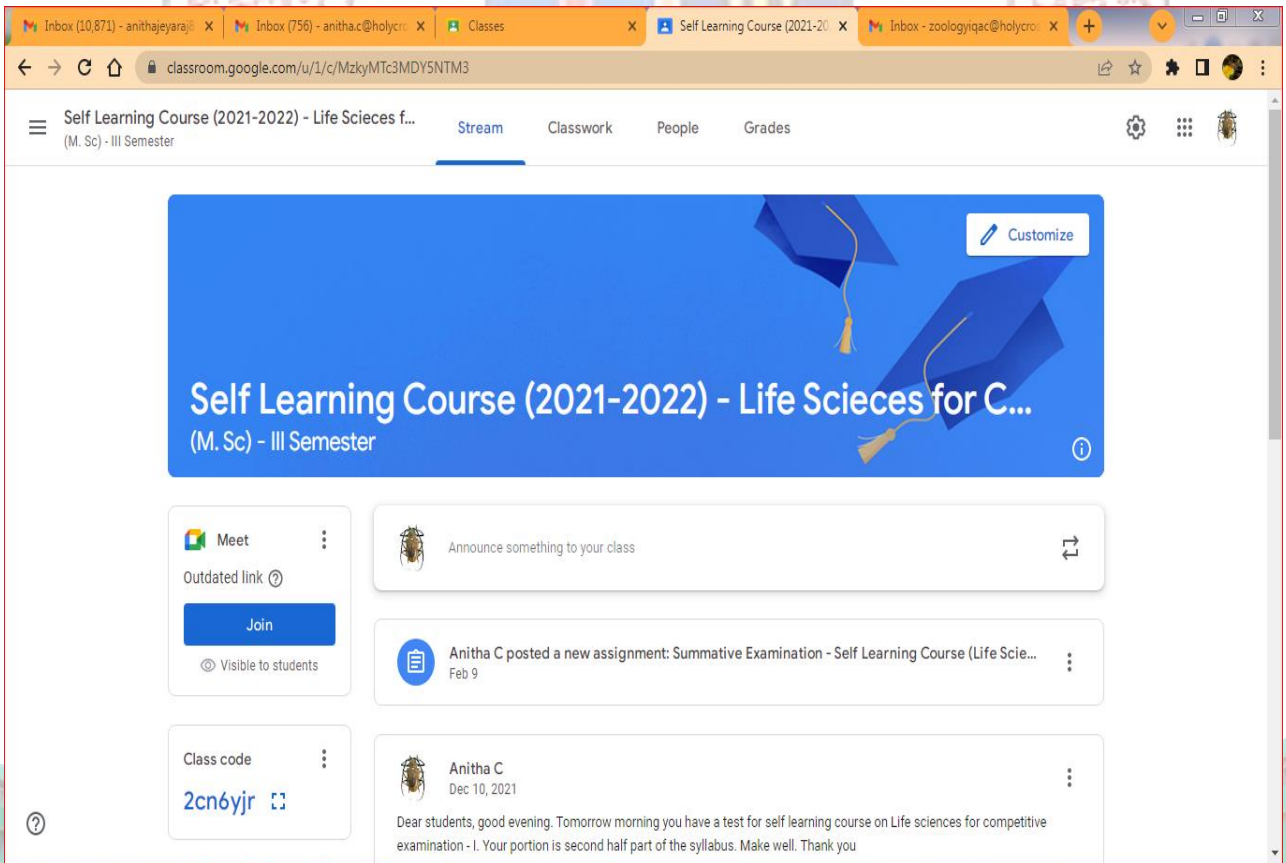
NAAC V Cycle Self Study Report (SSR)



The screenshot shows the HCCNGL ERP interface for SLC Course Registration. The user is logged in as DAFNI S J. The page title is "SLC Course Registration". The navigation menu on the left includes LMS, Dashboard, FeedBack, Attendance, NME/SLC, Fee, CertificateCourse, Question Bank, Quiz, Grievance, SOC, Library, Hostel, and Transport. The main content area is titled "Choose your SLC Course:" and contains a table with three rows of course options. The first row is selected.

Course Name	Image	Action
<input checked="" type="radio"/> Self Learning Course: Physics for Lectureship Examinations - II		Open
<input type="radio"/> Self Learning Course: Business Communication		Open
<input type="radio"/> Self Learning Course: Economics of Tourism Management		Open

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The screenshot shows a Google Classroom interface for a "Self Learning Course (2021-2022) - Life Sciences for C... (M. Sc) - III Semester". The page features a blue header with a graduation cap icon and a "Customize" button. Below the header, there are several widgets: a "Meet" widget with a "Join" button, an "Announce something to your class" widget, a "Class code" widget with the code "2cn6yjr", and a "New assignment" widget titled "Summative Examination - Self Learning Course (Life Sci...".



Self Learning Courses opted by the P.G. Students of AIDED Departments - 2020

Issued from the Deans' Office on Aug. 24, 2020

Department of Zoology - Life Sciences for Competitive exams (PZ17S1)					
	Full Name with Initials	Department	Reg.No.	Email Address	Class
1	C. M. Hubha	Mathematics	219009	hubhachandran@gmail.com	II Year PG (III Semester)
2	J. Evelyn Priscilla	Zoology	219111	evelynpriscilla2016@gmail.com	II Year PG (III Semester)
3	John Gracy. A	Zoology	219114	johngracy1991@gmail.com	II Year PG (III Semester)
4	S. Muthu Selvi	Zoology	219116	muthuselvims247@gmail.com	II Year PG (III Semester)
5	S. Muthu Selvi	Zoology	219115	merginsumi7@gmail.com	II Year PG (III Semester)

The screenshot displays a Google Classroom page for a 'PG. Self Learning Course' by Dr. Anitha. The interface includes a top navigation bar with 'Stream', 'Classwork', 'People', and 'Grades' tabs. A prominent green banner at the top reads 'PG. Self Learning Course Dr. Anitha'. Below this, there are several activity cards: a 'Meet' link that is outdated, an announcement to 'Announce something to your class', and two assignment posts by 'Anitha C'. The first assignment is 'PG Self Learning Summative Examination' from Dec 11, 2020. The second is 'II Formative Assessment (FA / CIA) - Self Learning Cours...' from Nov 6, 2020. A 'Class restored' notification is shown in a black box at the bottom left.



NAAC V Cycle Self Study Report (SSR)

classroom.google.com/u/1/c/MzkyMTc3MDY5NTM3

Self Learning Course (2021-2022) - Life Sciences for C...
(M. Sc) - III Semester

Stream Classwork People Grades

Customize

Self Learning Course (2021-2022) - Life Sciences for C...
(M. Sc) - III Semester

Meet
Outdated link
Join
Visible to students

Announce something to your class

Anitha C posted a new assignment: Summative Examination - Self Learning Course (Life Scie...
Feb 9

Class code
2cn6yjr

Anitha C
Dec 10, 2021

Dear students, good evening. Tomorrow morning you have a test for self learning course on Life sciences for competitive examination - I. Your portion is second half part of the syllabus. Make well. Thank you

21-22 Odd PG - Self Learning - Syllabus.docx

Open with Google Docs

Semester III
PG - Self-Learning Course
Life Science for Competitive Examinations - I
Sub. Code: PZ17S1

No of credits	Marks
2	100

Objectives:

- To enable the students to gather information on various topics in biology.
- To face competitive examinations like UGC - CSIR, NET and other similar examinations.

UNIT I
Molecules and their interaction relevant to Biology:

- Structure of atoms, molecules and chemical bonds.
- Composition, structure and function of biomolecules (carbohydrates, lipids, proteins, nucleic acids and vitamins).
- Stabilizing interactions (Van der Waals, electrostatic, hydrogen bonding, hydrophobic interaction, etc.).
- Principles of biophysical chemistry (pH, buffer, reaction kinetics, thermodynamics, colligative properties).
- Bioenergetics, glycolysis, oxidative phosphorylation, coupled reaction, group transfer, biological energy transducers.
- Principles of catalysis, enzymes and enzyme kinetics, enzyme regulation, mechanism of enzyme catalysis, isozymes.
- Conformation of proteins (Ramachandran plot, secondary structure, domains, motif and folds).
- Conformation of nucleic acids (helix (A, B, Z), t-RNA, micro-RNA).

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NAAC V Cycle Self Study Report (SSR)

		Education (HKL)			
VI	Part III	PC2061	Major Core VIII – Relativity and Quantum Mechanics	6	5
		PC2062	Major Core IX – Digital and Communication Electronics	6	5
		PC2063	Major Core X - Nuclear Physics	5	5
		PC2064	Major – Elective – III	5	4
		PC2065	(a) Mathematical Physics		
		PC2066	(b) Nanophysics		
			(c) Astrophysics		
		PC20P4	Major Practical IV - Physics Lab IV	2	2
		PC20P5	Major Practical V - Physics Lab V	2	2
	Part IV	SEP203	Skill Enhancement Course (*SEC) – Basic Electrical Circuits and Instruments	2	2
FCV204		Foundation Course IV – Gender Equity studies	-	1	
		TOTAL	180	150	

In Part III, the number of courses vary between 16 to 24 for each Department.

Total number of Hours = 180

Total number of Compulsory Credits = 140 +10

Non-academic Courses are mandatory and conducted outside the regular working hours.

Skill Development Programme (Mandatory Certificate Course - 30 hours) is offered to all the 1 year students.

Courses offered

Self-Learning Courses- Extra Credit Courses

Semester	Course Code	Title of the Course	Credits
III/V	PC20S1	Physics for Competitive Examination – I	2
IV/VI	PC20S2	Physics for Competitive Examination – II	2
III - VI	PC20S3	MOOC Online Course	2

Value Added Courses

Semester	Course Code	Title of the Course	Total Hours
III/V	VAP201	Multimedia Training	30

			Physiology and Metabolism		
	Part IV	SEC203	Skill Enhancement Course (SEC) : Global Environmental Issues	2	2
	Part V	FCV204	Foundation Course IV : Gender Equity Studies	-	1
			TOTAL	180	140+10

Self-Learning Courses - Extra Credit Course

Semester	Course Code	Title of the Course	Credit
III/ V	BC20S1	Plant Resource Utilization	2
IV/VI	BC20S2	Algal Biotechnology	2
III - VI	BC20S2	Online Course (SWAYAM / NPTEL)	2

Value Added Courses (Mandatory)

Semester	Course Code	Title of the Course	Total hours
I/II	VAB201	Mushroom Culture Technology	30
III/IV	VAB202	Food Preservation Technology	30

Instruction for Course Transaction

Distribution of total hours for Theory (Major Core)

Components	Sem. I	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI
Lecture hours	45	45	45	45	60 / 75	60 / 75
Continuous Internal Assessment	5	5	5	5	5	5
Internal Test (2)						
Quiz (2)	1	1	1	1	1	1
Class test (3)	3	3	3	3	3	3
Class assignment /Group discussion / Problem Solving	6	6	6	6	6	6
Total Hours	60	60	60	60	75 / 90	75 / 90

NAAC V Cycle Self Study Report (SSR)

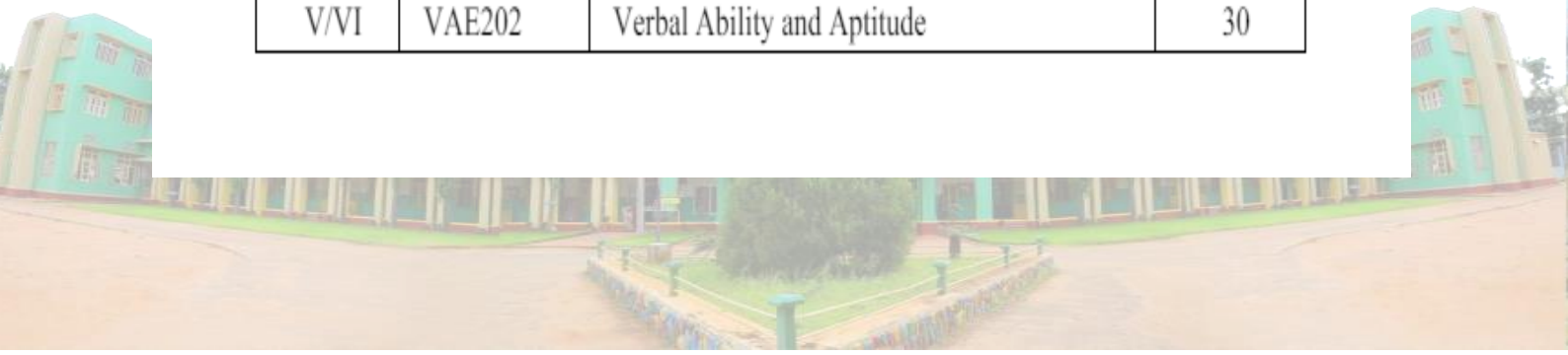
	IV		Environmental Science		
	Part V	FCV203	Foundation Course III- Human Rights Education	-	1
VI	Part III	EC2061	Major Core IX: Fiction	6	6
		EC2062	Major Core X: Marginal Writings	6	6
		EC2063	Major Core XI: Introduction to English Language and Phonetics	6	5
		EC2064	Major Core XII: Eco Literature	6	5
		EC2065 EC2066 EC2067	Elective III: (a) Writing for Media (b) Film and Literature (c) English for Entrepreneurship	4	4
	Part IV	ESK206	Skill Enhancement Course (SEC): Translation: Basic Concepts and Practice	2	2
	Part V	FCV204	Foundation Course IV - Gender Equity Studies	-	1
				TOTAL	180

Self-Learning - Extra Credit Courses

Semester	Course Code	Title of the Course	Credits
III/ V	EC20S1	Children's Literature	2
IV/VI	EC20S2	Indian Short Stories	2
III - VI	EC20S3	MOOC Online Course	2

Value Added Courses

Semester	Course Code	Name of the Course	Total Hours
III/ IV	VAE201	Public Relations	30
V/VI	VAE202	Verbal Ability and Aptitude	30



Self Learning – Extra Credit Courses

Semester	Course code	Title of the Course	Hours/ week	Credits
III/V	FC20S1	Health Economics	-	2
IV/VI	FC20S2	Human Development	-	2

Value Added Courses

Semester	Code	Name of the Course	Total Hours
III/IV	VAF 201	Verbal and Non- verbal reasoning – I	30
V/VI	VAF 202	Verbal and Non- verbal reasoning – II	30

**Instruction for Course Transaction
Distribution of Total Hours - Major Core**

Components	Sem. I	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI
Lecture Hours	75	75	60/75	60/75	60/75	75
CIA (Continuous Internal Assessment) (2)	5	5	5	5	5	5