

CHRIST COLLEGE (AUTONOMOUS), IRINJALAKUDA



ACADEMIC ADMINISTRATIVE AUDIT (AAA)

SELF STUDY REPORT

NAME OF THE DEPARTMENT:

P.G. BOTANY (SELF)

PERIOD:

2019 JUNE-2020 DEC

CATEGORY:

SELF

The Departments shall enter the necessary data in this booklet itself. For positive responses the details asked need be given only in a very brief manner. All claims must be supported by documentary evidence.

DEPARTMENT GRADING

The department is requested to submit a Self Study Report (SSR) of its performance during the academic year 2019 – 20 in the following format, for the purpose of department grading. The grading aims to encourage self-evaluation, accountability, research, and innovation in teaching and learning. It will also help to create healthy competition in curricular and extracurricular activities among departments. The grading will be performed based on the following six criteria.

Criterion I – Teaching-learning Process

Criterion II – Research

Criterion III – Consultancy and extension

Criterion IV – Extracurricular activities

Criterion V – Student Support and Progression

Criterion VI – Supportive activities

SELF STUDY REPORT

CRITERION I – TEACHING-LEARNING PROCESS

- a. Does the department Plan and organize the teaching-learning and evaluation schedules?

Yes No (10 MARKS)

(If yes; provide documentary evidence-Submit filled up Teachers Diary (2019-20)of each teacher or any other evidence)

- b. Which teaching-learning method/s is/are used by teachers?

(Put \checkmark marks in appropriate boxes. Details must be given)

- | | | | |
|-------------------------------|-------------------------------------|----------------|--------------|
| 1. Lecture | <input checked="" type="checkbox"/> | | |
| 2. Interactive method | <input checked="" type="checkbox"/> | | |
| 3. Project-based learning | <input checked="" type="checkbox"/> | | |
| 4. Computer-assisted learning | <input checked="" type="checkbox"/> | | |
| 5. Experiential learning | <input checked="" type="checkbox"/> | | |
| 6. Seminars | <input checked="" type="checkbox"/> | | |
| 7. Others (mention) | | (3 marks each | max 15MARKS) |

- c. Does the department use any modern teaching aids and tools like computers, audio-visuals, MOODLE, CAL (Computer Aided Learning), internet and other information/materials, which ensure that students have effective learning experience?

Yes No 3marks each max 15

If yes, give details.

- d. Department conducted any exams in MOODLE-Learning Management system?

Yes No 3marks each max 15

If yes, give details of exams.

- e. Does the department conduct any skill-developing programs (short-term add-on courses, soft-skill development programs etc.) for students? 05 for each – max 10

Yes

No ✓

If yes, give details

- f. Does the department apply for any new course, by designing curricula for it, during the current year?

Yes

No ✓

5 each

max 15

If yes, give details

- g. How many teachers attended seminar/ workshop/ conference/ refresher courses etc. during the period (Use separate sheet if necessary) > 90% =10, >50=5, <50 =0 max 10

S l. N o	Name of faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international / national/ state/ regional	Organizing agency
			From	To		
1	Sweety.M.S	“Environment And Biodiversity”	8-06-2020.	8-06 - 2020	National	Department of geology and Environmental Science and National Service Scheme, Christ College (Autonomous) Irinjalakuda.
		“Online Teaching - A New Approach”	31-07-2020.	31-07-2020.	National	Internal Quality Assurance Cell, St. Xavier’s College for Women, Aluva
		“Research and publication Ethics in Science”	27-06-.2020	27-06-.2020	National	Offices of Deans Research, and Training & Development, St..Albert’s College (Autonomous).
		Problem of trash disposal in degenerative diseases	9-07-2020	9-07-2020	International	Smrithi brain research laboratories ,Department of Zoology, Christ

						College (Autonomous) Irinjalakuda.
		“Importance of medicinal plants in the month of karkkidaka”	29-07-2020	29-07-2020	National	PG & Research Department of Botany, MES Asmabi College, P.Vemballur
		In Text citation and Referencing Pattern	10-08-2020	10-08-2020	National	College Library, BharathMatha college, Thrikkakkara,
		‘Perspective of Molecular Approaches in Entomology’	17-08-2020	17-08-2020	International	Shadpada Entomology Research Lab (SERL), Department of zoology, Christ College (Autonomous), Irinjalakuda, Kerala.
		International Webinar series on Scientific Writing-How to write research paper.	18-08-2020	18-08-2020	International	Department of Library Science, Christ College (Autonomous), Irinjalakuda, Kerala
		“Applications of 3D Bioprinting in Tissue Engineering - A Cutting Edge Technology.	14-07-2020	14-07-2020	National	Post Graduate Department of Botany, St. Mary’s College, Thrissur ,
		“What color did you eat today?”	29-10-2020	29-10-2020	International	Post Graduate department of Botany, St. Mary’s College, Thrissur, Kerala on 28th October 2020.
		One Week Nation faculty Development Programme on Quality science education in India	03-11-2020	09-11-2020	National	Guru angan Dev Teaching Learning Center, SGTP Kalsa college University Of Delhi, under PMMMNMTT of Ministry of Education and International

2	Sreelakshmi V. V.	<p>“Online Teaching - A New Approach”</p> <p>“Importance of medicinal plants in the month of karkkidaka”</p> <p>One Week Nation faculty Development Programme on Quality science education in India</p> <p>Wetland for a Sustainable Urban Future</p> <p>ICT tool for efficient course content delivery - Moodle</p> <p>Biodiversity and Climate Changes</p> <p>Novel Natural Products as Botanical Drugs with Potential to Treat Inflammation and</p>	<p>31-07-2020.</p> <p>29-07-2020</p> <p>03-11-2020</p> <p>01-02-2018</p> <p>21-05-2018</p> <p>25-01-2019</p> <p>04-02-2019</p>	<p>31-07-2020.</p> <p>29-07-2020</p> <p>09-11-2020</p> <p>01-02-2018</p> <p>21-05-2018</p> <p>25-01-202-19</p> <p>04-02-2019</p>	<p>National Webinar</p> <p>Nationl</p> <p>National</p> <p>National</p> <p>Intra-Collegiate Workshop</p> <p>Intra-Collegiate Seminar</p> <p>International Seminar</p>	<p>Internal Quality Assurance Cell, St. Xavier’s College for Women, Aluva</p> <p>PG & Research Department of Botany, MES Asmabi College, P.Vemballur</p> <p>Guru angan Dev Teaching Learning Center, SGTP Kalsa college University Of Delhi, under PMMMNMTT of Ministry of Education and International</p> <p>Biodiversity club, Enviro club and Bhoomithrasena; Christ College (Autonomous), Irinjalakuda</p> <p>IQAC Christ College (Autonomous), Irinjalakuda</p> <p>P. G. Botany, Christ College (Autonomous) Irinjalakuda</p> <p>P.G. & Research Department of Chemistry, Christ College (Autonomous),</p>

3	Sabeena.A.M	Alzheimer's Disea				Irinjalakuda
		Impact of Dilution of EIA on Environment and People	25-08-2020	25-08-2020	National Webinar	P. G. and Research Department of Botany, MES Asmabi College
		International Webinar Series on Scientific Writing	17-08-2020	19-08-2020	International Webinar	Department of Library and Information Science in association with IQAC Christ College, IJK
		The problem of trash disposal in neurodegenerative diseases	09-07-2020	09-07-2020	International Webinar	Smriti Brain Research Laboratory, Department of Zoology Christ College IJK
		Research and Publication Ethics in Science	27-06-2020	27-06-2020	Inter-Collegiate Webinar	Offices of Deans Research, and Training & Development, St. Albert's College (Autonomous)
		Post Covid Career Options - Unveiling the Mask of Uncertainties	15-08-2020	15-08-2020	Inter-Collegiate Webinar	CSA, IQAC and Career and Placement Cell, Christ College, IJK
		Talk on "environment and biodiversity	08-06-2020	08-06-2020	National	Department of geology and Environmental Science and National Service Scheme, Christ college irinjalakuda
The problem of trash disposal in neurogenerative diseases	09-07-2020	09-07-2020	International	Smrithi brain research laboratories& Department of Zoology, Christ college		

		One Week Nation faculty Development Programme on Quality science education in India	3-11-2020	09-11-2020	National	Guru angad Dev Teaching Learning Center,SGTP Kalsa college University Of Delhi, under PMMMMNMTT of Ministry of Education
		“Applications of 3D printing in tissue culture engineering- a cutting edge technology	14-7-2020	14-07-2020	National	Department of Botany St. Marys college, Thrissur.
		“importance of medicinal plants in the month of karkkidaka	29-07-2020	29-07-2020	National	PG & Research Department of Botany,MES Asmabi College, P.Vemballur
		“conservation of Asiatic elephants”	19-08-2020	19-08-2020	National	Dept.of Zoology ,KKTm college, Pullut
		“ Molecular diagnostic platforms through Chemistry,Biology and Nanotechnology	21-08-2020	21-08-2020	National	Dept.of Botany, Kerala University
		Introduction to Patents in India	22-08-2020	22-08-2020	National	IQAC, Christ college autonomous Irinjalakuda
		The good, bad cholesterol & cardiovascular diseases	26-08-2020	26-08-2020	National	Dept.of Zoology ,KKTm college, Pullut
		Cancer Prevention and Healthy Lifestyle	02-12-2020	02-12-2020	National	Sanjeevani &NSS Unit, Christ college autonomous Irinjalakuda

		Challenges in biodiversity conservation”	5-10-2020	5-10-2020	NAtional	Biodiversity club, Dept.of zoology & Botany Christ college, irinjalakuda
		Bryophytes- “sasyalokathile pasarukal”	25-10-2020	25-10-2020	Regional	Kottayam nature society and Alappuzha Natural History
		How prospective is Forensic science for science graduates	27-09-2020	27-09-2020	Regional	Union Christian college, Aluva

- h. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during this period (Use separate sheet if necessary) 2 for each – max 10

Sl. No	Name of faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		

- i. Does the department introduce any innovations in teaching/ learning/ evaluation during the current year? (like online tests, video lectures from out station resource persons)

Yes

No

10 for each – max 20

If yes, give details

j. Does the department provide remedial teaching?

15

Yes No

If yes, furnish the following (use separate sheet if needed); provide evidence for student attendance

Sl. No.	Name of the teacher	Class for which remedial teaching is arranged	No of students benefited
1.	Sweety M. S.	First Semester	4
		Second Semester	4
		Third Semester	4
		Fourth Semester	4
2.	Sabeena A. M.	First Semester	4
		Second Semester	4
		Third Semester	4
		Fourth Semester	4
3.	Sreelakshmi V. V.	First Semester	4
		Second Semester	4
		Third Semester	4
		Fourth Semester	4

- k. Does the department provide coaching for entrance tests/eligibility tests (JAM, CSIR/UGC, University entrance tests etc..)? 15

Yes

No ✓

If yes, furnish the following (use separate sheet if needed); provide evidence for student attendance

Sl. No.	Name of the teacher	Class for which remedial teaching is arranged	No of students benefited

CRITERION II – RESEARCH

- a. Give details of the publication by faculty, if any during the period . 2 for each – max 10

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available
1.	Prof. E. J. Vincent	New Population Records and Ecology of <i>Humboldtia bourdillonii</i> (Leguminosae: Caesalpinioideae) – A Critically Endangered Tree of Southern Western Ghats, Kerala	Nelumbo Vol 62(1): (40-45) 2020	ISSN : 0976-5069

b. Is the department recognized as a research department?

Yes

No

05

If yes give the number of research scholars joined this year.

c. Did the department produce any Ph. D during the last two years? (For research departments only)

Yes

No

10

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding

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d. Does the department have running Major research projects?

Yes

No

10 for each

max 20

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	to		

e. Does the department have running Minor research projects?

Yes

No

√

5 for each

max 15

If yes furnish the following.

Sl.	Name of the	Duration	Title of the project	Funding

10 marks

CRITERION V – STUDENT SUPPORT AND PROGRESSION

- a. Furnish the pass percentage for degree main 2019 – 20 batch (pass out) and PG 2018 – 20 batch.
max 60

% pass

Postgraduate course :

Degree (Main) :

Marks	>90%	89-80%	79-70%	69-55%
Number of students UG				
Number of students PG		5	7	

Language & Complementary Course (Batch-wise)

Batch	Number of students with grade			
	>90%	89-80%	79-70%	69-55%

Pass > 90 % = 20 marks, > 80 % = 10 marks, <80% = 0 marks.

For UG: Each >90% 2 marks each, 1 for 89-80% (Max 50)

For PG: Each >90% 3 marks each, 2 for 89-80% (Max 50)

For Language/Complementary for each students > 90% 2 marks, 1 for 89-80%, 0.5 for 79-70% (Max 20)

- b. Mention about CSIR-UGC-NET, if any, obtained for the 2018 – 20 batches. (provide documentary evidence)

Result awaited

5 for each

max 20

- c. No of students who got admission in Top universities/institutions
(List of institutions- IITs, NITs, JNU, Hyderabad University, EFLUs, CUSAT, IISC, Pondicherry University, IISERs)

N. A.

5 for each

(Max 20)

Should submit list of students with register number

- d. Mention the efforts made by the department to minimize the dropout rate and facilitate the students to complete the course.

N. A.

(Max 5)

- e. Give the percentage of the students progressed to higher studies. Give details for last year. If records are kept >70%- 05 marks, 69-60%-3 marks, 59-50%- 2marks (Max 5)

Submit the list of students, admitted course, college and university

B. Ed. (41%)

- f. Does the department provide any support for students for appearing and qualifying in various competitive examinations? (UGC-CSIR-NET, JAM, SLET, CAT, TOFEL, GMAT, GRE etc.); If yes provide evidence

(5 for each) (Max 10)

Yes No ✓

g. Does the department provide placement and counseling services for students

Yes No ✓ Records to be kept 10

If yes give the number of students benefited

h. Does the department encourage and develop entrepreneurial skills among students

Yes No ✓ 10

If yes give details

i. Does the department have a mechanism to seek and use data and feedback from its graduates and from employers, to improve the growth and development of the institution?

Yes No ✓

If yes give details 5 marks each max 10

CRITERION VI – SUPPORTIVE ACTIVITIES

a. Members of the department involved in the administrative/club/committee activities of the college in 2019-20 academic year?

2 mark for each (Max 10)

Sl. No.	Name	Activity to which associated
	NIL	NIL

b. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

Maintaining cleanliness cannot be done single-handed but a joint effort makes the difference. So staffs and students are also involve in the plan to keep the staff room, classrooms and labs tidy

Details to be furnished (Max 10)

- c. Does the department maintain proper documentation of data on Internal marksheets /Question papers/ Stock register (Details to be furnished)

Yes

√

No

(Max 10)

- d. Mention the measures if any, taken by the department for personality development of students.
Providing interactive activities to improve communication skills.
Taking seminars to improve their speaking skills and body language.

(Max 05)

Date: 05-01-2021

Signature:



Co-ordinator: Prof. E. J. VINCENT