



CARMEL COLLEGE, MALA

Nationally Re-accredited with 'A' grade (Third Cycle)

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Criteria III

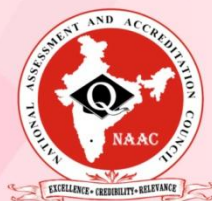
Research, Innovations and Extension

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

MoUs Activities

2019-2020

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

**MoU between PG and Research Department of Chemistry, Christ College
(Autonomous), Irinjalakuda and PG Department of Chemistry,
Carmel College, Mala**

Date of Commencement: 01.06.2019

Date of Completion: 31.05.2020

Sl. No	Activity	Year
1	Project work by PG students at Christ College	2019-20
3	Faculty & PG students Participation in seminars and workshops at Christ College	2019-20



A. J. K. S. J.
Principal
Carmel College
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**Collaboration between PG and Research Department of Chemistry, Christ College,
Irinjalakuda and P G Department of Chemistry, Carmel College, Mala**

Collaborative activities: Knowledge dissemination through seminar participations and
Project Work

Year 2019-2020

Brief Report

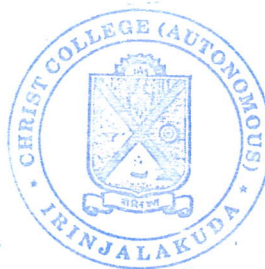
The Collaboration with P G and Research Department of Christ College, Irinjalakuda
and P G Department of Chemistry, Carmel College, Mala was for the promotion of Project and
exchange of Knowledge.

Sl. No	Project Title	Student Name	Register Number	Name of institution where project was done
1	Development of Anode Electrocatalysts for Hydrazine Fuel Cell	Ms. Arathy Chandrasenan	CRASMCH004	Christ College Irinjalakuda
2	Electrochemical Properties of Combustion Synthesized MgMn ₂ O ₄	Ms. Jesna Mary George	CRASMCH007	Christ College Irinjalakuda
3	Development of Anode Electrocatalysts for Hydrazine Fuel Cell	Ms. Kripa Mariya Johnson	CRASMCH008	Christ College Irinjalakuda

Apart from project work consultancy, our Faculty and P G Students have participated in the
seminars conducted by the Department of Chemistry, Christ College, Irinjalakuda.



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PRINCIPAL
CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA

**MoU between Research and PG Department of Chemistry St. Joseph's College
(Autonomous), Irinjalakuda and PG Department of Chemistry,
Carmel College, Mala**

Date of Commencement: 01.06.2019

Date of Completion: 31.05.2020

Sl. No	Activity	Year
1	Faculty Exchange Programme	2019-20
2	Project Guidance to PG student of St. Joseph's College	2019-20
2	Project work by students of Carmel College at St. Joseph's College	2019-20



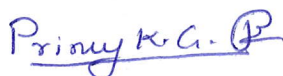
Reshmy
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Carmel College
Mala**

MoU Activity Report (2019-20)
Research and PG Department of Chemistry,
St. Joseph's College (Autonomous) Irinjalakuda &
PG Department of Chemistry, Carmel College, Mala

Name of Activity: Project based learning

As part of Faculty Exchange program, Ms. Tessy Jose, Assistant Professor on contract, Carmel College, Mala handled the Practical sessions of PG students at St. Joseph's College, Irinjalakuda. Dr. Manoj A.L., Assistant Professor, St. Joseph's College, Irinjalakuda and Ms. Tessy Jose jointly guided six M.Sc. Chemistry students of Carmel College, Mala for completing their Project Work. Continuous monitoring on students' project was done by the institute. Students got exposure to work on live project. Infrastructure, Lab and Library facility was available for our students. Details of the students and Project work is as follows:

Sl.No	Name of the student	Reg. No.	Title of the project
1.	ALPHY MARTIN	CRASMCH001	Study on Hexanal Self Aldol Condensation by using Solid Clay and Amino Functionalized Catalysts.
2.	ANCILYN ANTU K	CRASMCH002	Study of Visible Light Photocatalytic Activity of Zinc Ferrite Doped Titania Nanocomposite on Methylene Blue Dye Degradation
3.	ANILA BASTIAN K	CRASMCH003	Screening of Amino Functionalized Lake Bottom Clay Catalyst for the Solvent Free Self Condensation of Pentanal
4.	ARYA RAJEEV	CRASMCH005	Fast Amination of Aminophenol and its Derivatives to Amidine Adducts for Substituted Benzoxazole Synthesis.
5.	GEETHUKRISHNAN	CRASMCH006	PhI(OAc) ₂ mediated fast cyclisation of amidine adducts for substituted benzoxazole synthesis
6.	SIJA P.C	CRASMCH010	Characterization of TiO ₂ - ZnFe ₂ O ₄ Nano Composite



Dr. PRINCY K.G.
ASSOCIATE PROFESSOR & HEAD
DEPT. OF CHEMISTRY
CARMEL COLLEGE, MALA



Dr. MANOJ A.L
Assistant Professor
Research Department Of Chemistry
St. Joseph's College, Irinjalakuda

**MoU between Cogniz Info Tech Palarivattom and Department of Vocation Studies,
Carmel College, Mala**

Date of Commencement: 01.06.2019

Date of Completion: 31/05/2020

Sl. No	Activity	Year
1	Workshop on "PHP Programming and Placement Orientation"	20/09/2019
2	Internship and Project	2019-2020



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MoU between Cogniz Infotech and Department of Vocational Studies, Carmel College, Mala

Name of Activity: Workshop on "PHP Programming and Placement Orientation"

Date: 20/09/2019

Brief Report

Department of Vocational Studies, Software Development stream organized a workshop about the topic "PHP Programming and Placement Orientation" on 20th September 2019. The workshop was lead by Jilson (Software developer, Cogniz Infotech), Anagha (HR Consultant, Cogniz Infotech)



L. E. K. S. Y.

MoU between Grapes Technologies, Thrissur and Department of Vocational Studies, Carmel College, Mala

Date of Commencement: 01.06.2019

Date of Completion: 31/05/2020

Sl. No	Activity	Year
1	workshop on "ANDROID"	23/09/2019
2	Workshop on the topic "Java-Advanced methodologies".	13/11/2019
3	Workshop on "Spring framework".	26/11/2021
4	Internship and Project	2019-2020



S. Lakshmi
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MoU between Grapes Technologies, Thrissur and Department of Vocational Studies, Carmel College, Mala

Name of Activity: ANDROID WORKSHOP

Date: 23/09/2019

Brief Report

Software Development Stream conducted a two day workshop on on 23/09/2019 on “ANDROID”. The session was handled by Mr. Mashood, Ms. Priyanka and Ms. Chaitanya from Grapes Technologies, Thrissur.



- 13-11-2019: Grapes Technologies conducted a workshop on the topic “Java-Advanced methodologies”.
- 26-11-2021 : Software development stream organized a full day workshop on “Spring framework”. Mr Gopi from Grapes Technologoes, Thrissur lead the session.



Following List of Students are doing Internship and projects under this collaboration

Sl. No	Project title	No. Of students enrolled	Name of the institution Where internship is done	Duration
1.	Agriculture Storage Managemnt	Abhirami	Grapes Technologies	6 months
2.	Hair donation app	Aithiyya T M	Grapes Technologies	6 months
3.	Crime file management	Arunima T P	Grapes Technologies	6 months
4.	Vaccination Schedule	Athira Suresh	Grapes Technologies	6 months
5.	Agriculture storage management	Chithra Raj K R	Grapes Technologies	6 months
6.	Petrol Diesel Delivery	Devika K S	Grapes Technologies	6 months
7.	Learners help	Eva Mariya A V	Grapes Technologies	6 months
8.	Toll management	Meera M Mohandas	Grapes Technologies	6 months
9.	Eduframes	Nesrin K N	Grapes Technologies	6 months
10.	Health Monitoring System	Sabithabi C S	Grapes Technologies	6 months
11.	Milk TEC	Sandhra Unni	Grapes Technologies	6 months
12.	SPOC	Shamseena A Z	Grapes Technologies	6 months



For Grapesgenix Technical Solutions

Pvt Ltd



Managing Director

6/1/2024
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MoU between LCC, Aluva and Department of BCA, Carmel College, Mala

Date of Commencement: 14/06/2019

Date of Completion: 31/12/2019

Sl. No	Activity	Year
1	Project Work	2019-2020



S. e. k. s. y.
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MoU between LCC, Aluva and Department of BCA, Carmel College, Mala

Name of Activity: Project Work

Brief Report

The students of the department of Computer Science did their BCA final year project at LCC, Aluva during 14 June 2019 to 31 December 2019. Details of the project work done at LCC Aluva is given below:

Sl. No	Project Title	Student Name	Register Number	Name of institution where project was done
1	Bus Information System	AARYA A P	CRARBCA001	LCC Aluva
2	Bus Information System	ABIRAMI A M	CRARBCA002	LCC Aluva
3	Prison Management	AISWARYA N G	CRARBCA003	LCC Aluva
4	Job Seeking System	DEVIKA E S	CRARBCA004	LCC Aluva
5	Kissan Connect	HONEY JOY	CRARBCA005	LCC Aluva
6	Kissan Connect	JISNA VARGHESE	CRARBCA006	LCC Aluva
7	Job Seeking System	JOSMY JOSE	CRARBCA007	LCC Aluva
8	Health Care Management	JYOTHISHA A R	CRARBCA008	LCC Aluva
9	Health Care Management	MALAVIKA C	CRARBCA009	LCC Aluva
10	Quick Connect	NASRIA ANWAR	CRARBCA010	LCC Aluva
11	Bus Information System	RESHMA P S	CRARBCA011	LCC Aluva
12	Bus Information System	ALEENA JOSE	CRARBCA012	LCC Aluva
13	Prison Management	ANINA THOMAS	CRARBCA013	LCC Aluva
14	Quick Connect	ASWATHY K A	CRARBCA014	LCC Aluva
15	Job Seeking System	MARIYA K P	CRARBCA015	LCC Aluva
16	Quick Connect	MARIYA VINCENT	CRARBCA016	LCC Aluva
17	Quick Connect	NIMISHA SUNNY	CRARBCA017	LCC Aluva
18	Prison Management	NIVEDYA M G	CRARBCA018	LCC Aluva
19	Health Care Management	ROSHMA E P	CRARBCA019	LCC Aluva
20	Kissan Connect	SNEHA GEORGE	CRARBCA021	LCC Aluva



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Following List of Students are doing Internship and projects under this collaboration

Sl. No	Project title	No. Of students enrolled	Name of the institution Where internship is done
1.	Online Food Ordering	Adrisya T.S	Cogniz Info Tech
2.	Online Food Ordering	Aiswarya C S	Cogniz Info Tech
3.	Tourisam Information System	Aiswarya V Ramesh	Cogniz Info Tech
4.	Tourisam Information System	Akshaya K.S	Cogniz Info Tech
5.	Online Campus Recruitment System	Ambily V S	Cogniz Info Tech
6.	Online Course Portal	Anjaly A A	Cogniz Info Tech
7.	Online Course Portal	Anusha S	Cogniz Info Tech
8.	Online Campus Recruitment System	Jissmol P.J	Cogniz Info Tech
9.	Online Campus Recruitment System	Mahima K P	Cogniz Info Tech
10.	Online Course Portal	Sandra Jose	Cogniz Info Tech
11.	Online Food Ordering	Sneha Thomas	Cogniz Info Tech
12.	Tourism Information System	Sreersha K R	Cogniz Info Tech
13.	Online Food Ordering	Anagha K S	Cogniz Info Tech
14.	Online Campus Recruitment System	Angel Rose Ittiera	Cogniz Info Tech
15.	Tourism Information System	Farhana V S	Cogniz Info Tech
16.	Online Course Portal	Suhana M B	Cogniz Info Tech



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**MoU between AIBOT TECHNOLOGIES PVT LTD and PG Department of
Commerce, Carmel College, Mala**

Date of Commencement: 28/06/2019

Date of Completion: 27/06/2020

Sl. No	Activity	Year
1	Workshop on career building	27/07/2019



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CAREER BUILDING- WORKSHOP

B.Voc Software development conducted a full day seminar and workshop on the topic “career building” by Ms. Devi from Aibot Technologies, Thrissur on 27th July 2019



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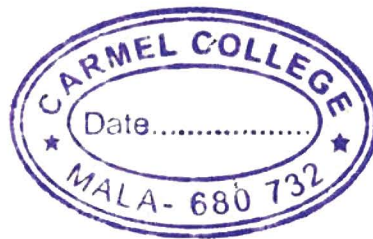


**MoU between Tax Study Centre, Ernakulam and PG Department of Commerce,
Carmel College, Mala**

Date of Commencement: 01/07/2019

Date of Completion: 31/05/2020

Sl. No	Activity	Year
1	Add on course titled Diploma Course in GST Practice	01/07/2019



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MoU between Tax Study Centre, Ernakulam and P G Department of Commerce, Carmel College, Mala

Name of Activity: Add on course titled Diploma Course in GST Practice

Date: 01/07/2019

Brief Report

On 1st July 2019 P G Department of Commerce organized a one year add on course titled “Diploma Course in GST Practices”. Diploma in GST is a one year programme in accounting and commerce provided by Kerala State Rural Women’s Electronics Industrial Co-operative Federation Limited which imparts theoretical and practical knowledge of GST and tally. The course duration will be a minimum of 140 hours for each student spread out through the academic year 2019 and 2020. 35 students enrolled in this course. Mr. Omanakuttan, Managing director was the representative of Tax study centre. This programme is career oriented course in both full mode and correspondence mode.



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DIRECTOR
TAX STUDY CENTRE
KOTTARAKKARA

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Principal
Carmel College
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**MoU between St. Joseph's College (Autonomous), Thiruchirappalli and Department
of Botany, Carmel College, Mala**

Date of Commencement: 03.09.2019

Date of Completion: 02.09.2022

Sl. No	Activity	Year
1	National Workshop on the topic “ Molecular Taxonomy”	09/01/2020



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MoU between St. Joseph's College (Autonomous), Tiruchirappalli and Department of Botany, Carmel College, Mala

Name of Activity: National Workshop on Molecular Taxonomy

Date: 09/01/2020

Brief Report

We conducted one day national workshop on 09-1-2020 on the topic molecular taxonomy. Dr. Father John Britto, Director, RAPINAT Herbarium Trichy, Dr. Bince Many, Assistant Professor, St. Thomas College, Pala were the resource persons. First Technical Session was handled by Dr. Rev. Dr. John Britto S. J. on the topic "Significance of Plant Taxonomy in the Present Scenario". The second Session was on the topic "Modern trends in plant systematics" by Dr. Bince Mani, Assistant professor, Department of Botany, St, Thomas College, Pala. 09-01-2020



Sc. Inay

Principal
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Mala

Director
DIRECTOR
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