

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year (10)

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration	Nature of the activity
YEAR 1 (2019-20)						
1	Internship- Studies On Development Of Flexible Polyurethane Foam As Crew Seat	Application Development Division, VSSC, Thiruvananthapuram	Aparna S	2020	3 Months - January - March 2020	MSc Research Project
2	Internship-Modulating Lower Critical Solution Temperature Of Supramolecular Polymer By Adding Water Soluble Dyes	Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram	Athira Gopan	2020	3 Months - January - March 2020	MSc Research Project
3	Internship- Synthesis of Various N-Substituted Isatins	Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram	Deepanjana Mohan	2020	3 Months - January - March 2020	MSc Research Project
4	Internship- Study on Effect of Sulphuric Acid In The Leaching Process During The Manufacture Of Titanium Dioxide	Travancore Titanium Products Limited, Thiruvananthapuram	Dhanya Krishnan U R	2020	3 Months - January - March 2020	MSc Research Project

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5	Internship- DFT Study On The Interaction Of CO ₂ With Lone Pair Bearing Molecule	Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram	Fasni S	2020	3 Months - January - March 2020	MSc Research Project
6	Internship- Copper Modified Polycarbosilane: A Preliminary Study On Its Structure And Catalysis	Ceramic Matrix Products Division, VSSC, Thiruvananthapuram	Lavanya B Sajeew	2020	3 Months - January - March 2020	MSc Research Project
7	Internship- Development Of Polyimide Foam From Dianhydride And Isocyanate	Project Engineering And Productionization Facility Division, VSSC, Thiruvananthapuram	Lekshmi A	2020	3 Months - January - March 2020	MSc Research Project
8	Internship- Studies On Effect Of Catalyst On The Kinetics Of Polyol-Isocyanate Reaction	Application Development Division, VSSC, Thiruvananthapuram	Malavika K G	2020	3 Months - January - March 2020	MSc Research Project
9	Internship- Phenothiazine Based Organic D-D- π -A Dyes For Dye-Sensitized Solar Cells	Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram	Meenakshy C B	2020	3 Months - January - March 2020	MSc Research Project

10	Internship- Studies On Dopamine And Glycidyl Methacrylate Modified Epoxy Adhesive For Metals	Polymers And Special Chemicals Division, VSSC, Thiruvananthapuram	Meeval Stishi George	2020	3 Months - January - March 2020	MSc Research Project
11	Internship- A New Pyridinium Fluorophore For Multichannel pH Sensing Of Endoplasmic Reticulum In Live Cells	Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram	Sreelekshmi S R	2020	3 Months - January - March 2020	MSc Research Project
12	Internship- Preparation Of Rutile Titanium Dioxide By Using Titanium Oxychloride As Nucleating Agent	Travancore Titanium Products Limited, Thiruvananthapuram	Vishnupriya U	2020	3 Months - January - March 2020	MSc Research Project
13	Online Teaching	Kerala State Higher Education Council, Govt. Of Kerala	Dept of Hindi	2020	Ongoing since March 2020	Faculty Consultancy
14	Presentation of Guidelines for Walk With a Scholar (WWS) Training	The New Initiatives in Higher Education, Directorate of Collegiate Education, Govt.of Kerala	Maya Menon	2019	2 days - August 2019	Research and Training

15	Presentation in the Technical Session for Walk With a Scholar (WWS) Master Mentor Training	The New Initiatives in Higher Education, Directorate of Collegiate Education, Govt.of Kerala	Maya Menon	2019	2 days - August 2019	Research and Training
16	Workshop for Guidance and Counselling	State Council of Educational Research and Training (SCERT), Govt of Kerala	Maya Menon	2019	1 day - August 2019	Research and Training
17	Adolescent Education Module Modification Workshop	Directorate of General Education, Govt.of Kerala	Maya Menon	2019	2 days - November 2019	Workshop and Training
18	Expert in the Workshop for Talent Lab	State Council of Educational Research and Training (SCERT), Govt of Kerala	Shiju Joseph	2019	2 days - September 2019	Research Expert and Training
19	Expert in the Workshop for Talent Lab	State Council of Educational Research and Training (SCERT), Govt of Kerala	Shiju Joseph	2019	1 Day - November 2019	Research Expert and Training
20	Adolescent Education Module Modification Workshop	Directorate of General Education, Govt.of Kerala	Shiju Joseph	2019	2 days - November 2019	Workshop and Training

21	Workshop and Training on Film Art	Kerala Chalachithra Academy and Centre for Development of Imaging Technology, Chithranjali Studio, Thiruvananthapuram	Dept. of Malayalam	2019	7 days - October-November 2019	Collaborative Seminar and Workshop
22	Seminar on O V Vijayan, Celebrating 50th year of the Novel Khasakkinte Ithihasam	O V Vijayan Smaraka Samithi, Palakkad, Kerala	Dept. of Malayalam	2019	1 day- November 2019	Collaborative Seminar
23	Student Internship	Keraka State Handloom Weavers Cooperative Society Ltd H.232, Hantex, Thiruvananthapuram	Anaswara JR	2019	16 Days - September-October 2019	M.Com Research Project
24	Student Internship	Kerala Tourism Development Corporation, Thiruvananthapuram	Bhagyasree Pillai	2019	6 months - September 2019-March 2020	M.Com Research Project
25	Student Internship	Trivandrum Service Co-operative Bank Ltd. No.T.131, Press Road, Thiruvananthapuram	Athira S	2019	16 Days - September-October 2019	MCom Internship

26	Student Internship	Centre For Management Development, Thiruvananthapuram	Divyalal S S	2019	16 Days - September-October 2019	MCom Internship
27	Student Internship	Trivandrum Service Co-operative Bank Ltd. No.T.131, Press Road, Thiruvananthapuram	Chinchu G	2019	16 Days - September-October 2019	MCom Internship
28	Student Internship	Centre For Management Development, Thiruvananthapuram	Mamatha V G	2019	16 Days - September-October 2019	MCom Internship
29	Student Internship	Keraka State Handloom Weavers Cooperative Society Ltd H.232, Hantex, Thiruvananthapuram	Unnimaya S	2019	16 Days - September-October 2019	MCom Internship
30	Student Internship	Keraka State Handloom Weavers Cooperative Society Ltd H.232, Hantex, Thiruvananthapuram	Sonu Reji	2019	16 Days - September-October 2019	MCom Internship

31	Student Internship	Indo Grace Ecommerce, PVT. Ltd, Thumba, Thiruvananthapura m	Amina S	2019	16 Days - September- October 2019	MCom Internship
32	Student Internship	Keraka State Handloom Weavers Cooperative Society Ltd H.232, Hantex, Thiruvananthapura m	Athira Anilkumar	2019	16 Days - September- October 2019	MCom Internship
33	Student Internship	Keraka State Handloom Weavers Cooperative Society Ltd H.232, Hantex, Thiruvananthapura m	Abhirami S P	2019	16 Days - September- October 2019	MCom Internship
34	Student Internship	Kerala Tourism Development Corporation, Thiruvananthapura m	Archa G P	2019	6 months - September 2019-March 2020	MCom Internship
35	Student Internship	Pangode Service Co-Operative Bank LTD. T 212, Thiruvananthapura m	Anooja G	2019	18 Days - September- October 2019	MCom Internship

36	Student Internship	Keraka State Handloom Weavers Cooperative Society Ltd H.232, Hantex, Thiruvananthapuram	Sivasree A S	2019	15 Days - September-October 2019	MCom Internship
37	Student Internship	Thiruvananthapuram Divisional Office of Southern Railway, Thiruvananthapuram	Resmi Raj S	2019	15 Days - September-October 2019	MCom Internship
38	Student Internship	Thiruvananthapuram Divisional Office of Southern Railway, Thiruvananthapuram	Aathira G Nair	2019	15 Days - September-October 2019	MCom Internship
YEAR 2 (2018-19)						
39	Internship- Synthesis of Bipyridine - Viologen Ligands and Metal Complexes for Electrochromic Applications	Photosciences and Photonics Section, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Sruthi Krishna S	2019	3 months -April-June 2019	M.Sc Research Project
40	Resource Person, National Seminar-Dynamics of Indian Society, Govt. Arts and Science College, Nandapuram, Calicut	Govt. Arts and Science College, Nandapuram, Calicut and DCE, Govt. of Kerala	Shiju Joseph	2019	1 Day- January 2019	Resource Person in National Seminar

41	Mentor, ASPIRE Scholarship: Nature of consciousness- An inquiry into the Subjective idealism of Yogacara School of Buddhism	Dept. Of Philosophy, University College, Thiruvananthapuram, Affiliated to Kerala University	L Vijay	2019	60 Days- February-April 2019	Mentoring and Training- ASPIRE Scholarship
42	Student Internship	Mental Health Center, Thiruvananthapuram Contact 0471-2433868	Jilu Mary Luke	2019	30 Days - May 2019	Psychology Internship
43	Student Internship	Dept. of Psychology and Psychiatry, NIMS Research Foundation, Neyyantinkara, Thiruvananthapuram 0471-2223544	Lakshmi S Kumar	2019	30 Days- May 2019	Psychology Internship
44	Student Internship	Bethsada Hospital, Vengola, Perumbavoor, Ernakulam - 04842523466	Neha Elizabeth Eldho	2019	29 days - April 2019	Psychology Internship
45	Student Internship	Our Planet International School, Muscat	Noora Aqthar Muhammedali	2019	30 Days- May 2019	Psychology Internship

46	Student Internship	TRADA- Intergrated Rehabilitation Centre for Addicts IRCA, Manganam, Kottayam 04812573699	Parvathy K S	2019	42 Days - April-May 2019	Psychology Internship
47	Student Internship	Mental Health Action Trust, Kozhilode 04952300103	Gayathri Devi J S	2019	30 Days - April 2019	Psychology Internship
48	Student Internship	Mental Health Action Trust, Kozhilode 04952300103	Megha D Prasad	2019	30 Days - April 2019	Short-term Psychology Internship Program of MHAT
49	Student Internship	Mental Health Action Trust, Kozhilode 04952300103	Bhagya Lakshmi	2019	30 Days - April 2019	Short-term Psychology Internship Program of MHAT
50	Student Internship	Mental Health Action Trust, Kozhilode 04952300103	Sreedevi J	2019	30 Days - April 2019	Short-term Psychology Internship Program of MHAT
51	Student Internship	Mental Health Action Trust, Kozhilode 04952300103	Greeshma Ghosh	2019	30 Days - April 2019	Short-term Psychology Internship Program of MHAT
52	Student Internship	Mental Health Action Trust, Kozhilode 04952300103	Neeraja R	2019	30 Days - April 2019	Short-term Psychology Internship Program of MHAT

53	Student Internship	Kerala Social Security Mission,Thiruvananthapuram	Archana Babu	2019	30 Days - April-May 2019	Short-term Psychology Internship Program of MHAT
54	Student Internship	Kerala Social Security Mission,Thiruvananthapuram	Santhy Krishna	2019	30 Days - April-May 2019	Psychology Internship
55	Student Internship	Karunasai De-addiction and Mental Health Research Institute, Vellanad, Thiruvananthapuram, Contact 0472-2883856	Abhirami Nair S	2019	20 days - April-May 2019	Psychology Internship
56	Student Internship	Karunasai De-addiction and Mental Health Research Institute, Vellanad, Thiruvananthapuram, Contact 0472-2883856	Reshma Jyothi S	2019	20 days - April-May 2019	Psychology Internship

57	Student Internship	Karunasai De-addiction and Mental Health Research Institute, Vellanad, Thiruvananthapuram, Contact 0472-2883856	Krishna Veni M S	2019	20 days - April-May 2019	Psychology Internship
58	Student Internship	Wellness Clinic, Calicut, Kerala 04954016444	Gopika P	2019	30 Days- May 2019	Psychology Internship
59	Student Internship	National Institute of Speech & Hearing, Thiruvananthapuram	Sneha A Manuel	2019	32 Days- April-May 2019	Psychology Internship
60	Student Internship	Mental Health Center, Thiruvananthapuram	Sruthy A S	2019	53 Days- April-May 2019	Psychology Internship
61	Student Internship	Mental Health Center, Thiruvananthapuram	Anseena Ashraf	2019	49 Days- April-May 2019	Psychology Internship
62	Student Internship	Mental Health Center, Thiruvananthapuram	Sneha Sambath P V	2019	50 Days- April-May 2019	Psychology Internship
63	Student Internship	Mental Health Center, Thiruvananthapuram	Akshara Sudarsan	2019	52 Days- April-May 2019	Psychology Internship

64	Student Internship	Mental Health Center, Thiruvananthapuram	Anooja R	2019	52 Days- April-May 2019	Psychology Internship
65	Student Internship	Mental Health Center, Thiruvananthapuram	Arya P T	2019	30 Days - May 2019	Psychology Internship
66	Student Internship	Mental Health Center, Thiruvananthapuram	Chenkathir Arya	2019	30 Days - May 2019	Psychology Internship
67	Student Internship	Mental Health Center, Thiruvananthapuram	Fathima Banu C A	2019	30 Days - May 2019	Psychology Internship
68	Student Internship	Mental Health Center, Thiruvananthapuram	Ganga Mohan	2019	30 Days - May 2019	Psychology Internship
69	Student Internship	Mental Health Center, Thiruvananthapuram	Heema Das R	2019	30 Days - May 2019	Psychology Internship
70	Student Internship	Mental Health Center, Thiruvananthapuram	Kaveri T S	2019	30 Days - May 2019	Psychology Internship
71	Student Internship	Mental Health Center, Thiruvananthapuram	Seethal Shyama S S	2019	30 Days - May 2019	Psychology Internship

72	Student Internship	Mental Health Center, Thiruvananthapuram	Sifana Hussain	2019	30 Days - May 2019	Psychology Internship
73	Student Internship	Mental Health Center, Thiruvananthapuram	Sneha Liz Philip	2019	30 Days - May 2019	Psychology Internship
74	Student Internship	Mental Health Center, Thiruvananthapuram	Sreelekshmi S B	2019	30 Days - May 2019	Psychology Internship
75	Student Internship	Mental Health Center, Thiruvananthapuram	Aiswarya M	2019	30 Days - May 2019	Psychology Internship
76	Student Internship	Mental Health Center, Thiruvananthapuram	Aparna S	2019	30 Days - May 2019	Psychology Internship
77	Student Internship	Mental Health Center, Thiruvananthapuram	Krishna Prabha A R	2019	30 Days - May 2019	Psychology Internship
78	Student Internship	Mental Health Center, Thiruvananthapuram	Praveena Raj I	2019	48 Days- April-May 2019	Psychology Internship
79	Student Internship	Mental Health Center, Thiruvananthapuram	Dhanuja M S	2019	52 Days- April-May 2019	Psychology Internship

80	Student Internship	Mental Health Center, Thiruvananthapuram	Vyshnavi V M	2019	53 Days- April-May 2019	Psychology Internship
81	Student Internship	Institute for Communicative and Cognitive Neurosciences - ICCONS, Thiruvananthapuram -04716066061	Samkhili P	2019	60 Days- April-May 2019	Psychology Internship
82	Student Internship	Institute for Communicative and Cognitive Neurosciences - ICCONS, Thiruvananthapuram - 04716066061	Archana Mohan	2019	60 Days- April-May 2019	Psychology Internship
83	Student Internship	Inclusion Central, Kochi - 04842340756	Muhsina T H	2019	60 Days- April-May 2019	Psychology Internship
84	Jeevani- Module for College Counsellors	Dept. of Collegiate Education- DCE, Kerala and NIMHANS, Bangluru	Dept. of Psychology	2019	Ongoing Since 2019	Project-Counselling

85	ASPIRE-Internship- Post-synthetic modification of hyper-crosslinked ketone based microporous polymer for CO2 adsorption	Dr. Suneesh C V, Asst. Professor, Department of Chemistry, University of Kerala, Kariavattom, Thiruvananthapuram	Gopika S	2019	20 Days- March 2019	ASPIRE Scholarship Project
86	ASPIRE-Internship- Quality monitoring of portable water samples collected from groundwater sources in Trivandrum area, Special reference to nutrients	Dr. K. Anoop Krishnan, Scientist, Hydrological Processes group, National Centre for Earth Science Studies, Thiruvananthapuram	Lekshmi C Nair	2019	32 Days- March-April 2019	ASPIRE Scholarship Project
87	ASPIRE-Internship- Comparison of hydrochemistry of Karamanariver and adjacent groundwater systems in urbanized areas of Trivandrum district	Dr. K. Anoop Krishnan, Scientist, Hydrological Processes group, National Centre for Earth Science Studies, Thiruvananthapuram	Maneesha S	2019	32 Days- March-April 2019	ASPIRE Scholarship Project

88	Internship- Synthesis and Characterization of TiO ₂ for Dye Sensitized Solar Cells	Photosciences and Photonics Section, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Arya L P	2019	3 months- April-June 2019	MSc Research Project
89	Internship- Synthesis and Characterization of 1,2-Dihydropyridines via Three Component Reaction with Aminophenol, Dienaminodioate and Variable Aldehydes	Organic Chemistry Section, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Asha R S	2019	3months- April-June-2019	MSc Research Project
90	Internship- Studies on Development of Fireproof Fabrics for Space Application	Propellant Fuel Complex, Vikaram Sarabhai Space Centre (VSSC), Thiruvananthapuram-695022	Aswathy G	2019	3 months - April-June-2019	MSc Research Project
91	Internship- Isolation of Bioactives from Hexane Extract of Medicinally Important Plant Curcuma Aromatica	Organic Chemistry Section, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Devipriya S	2019	3 months -April-June-2019	MSc Research Project

92	Internship- Isolation and Characterization of bisbenzylisoquinoline (DBBI) Alkaloids from the Rhizome of <i>Cyclea peltata</i> Hook.f. & Thoms.	Organic Chemistry Section, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Gopika S	2019	3 months -April-June-2019	MSc Research Project
93	Internship- Synthesis of PEO Based Hydrid Composite Solid Electrolyte and Study of its Ionic Conductivity with Variation of Temperature	Advanced Power Systems Division, Vikaram Sarabhai Space Centre (VSSC), Thiruvananthapuram-695022	Lekshmi C Nair	2019	3 months -April-June-2019	MSc Research Project
94	Internship- Evaluation of Performance of Phenolic Microspheres in Ablative TPS Application	Propellant Fuel Complex, Vikaram Sarabhai Space Centre (VSSC), Thiruvananthapuram-695022	Maneesha S	2019	3 months -April-June-2019	MSc Research Project
95	Internship- Preparation and Characterization of Core-Shell Material in Solid Propellants	Propellant Engineering Division, Vikaram Sarabhai Space Centre (VSSC), Thiruvananthapuram-695022	Ramnu S Shaheed	2019	3 months -April-June-2019	MSc Research Project

96	Internship- Phytochemical Investigation of Ficus benghalensis (Stem Bark)	Organic Chemistry Section, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Shilpa B	2019	3 months -April-June-2019	MSc Research Project
97	Youth Exchange Programme of NCC conducted at Vietnam	Director General, NCC, India	Akshaya Jose	2018	9 days	Participant as NCC Cadet in Youth Exchange Programme
98	HSSTTP-General Module Planning	State Council of Educational Research and Training (SCERT), Govt of Kerala	Maya Menon	2018	1 day- November 2018	Research and Training
99	HSSTTP-General Module Planning	State Council of Educational Research and Training (SCERT), Govt of Kerala	Shiju Joseph	2018	1 day- November 2018	Research and Training
100	HSSTTP-Module Preparation	State Council of Educational Research and Training (SCERT), Govt of Kerala	Shiju Josseph	2018	3 Days- October 2018	Research and Training
101	Workshop - Collaboration	Creative Psychologist-Applying Art in Psychology	Aparna S	2018	3 Days- November 2018	Collaboration Workshop
102	Student Internship	Stalwart People Company (SPC), Gurgaon, India	Naurin Sitara	2018	71 Days- September - November 2018	HR Internship

YEAR 3 (2017-18)

103	Student Internship	Institute of Mental Health and Neurosciences - IMHANS, Kozhikode-08	Varna P	2018	7 Days -April 2018	Psychology Internship
104	Student Internship	Mental Health Center, Peroorkkada, Thiruvananthapuram	Amala Sivakumar	2018	30 Days - April 2018	Psychology Internship
105	Student Internship	Child Development Centre, Medical College Campus, Thiruvananthapuram	Sameera AS	2018	15 days - May 2018	Psychology Internship
106	Student Internship	Mental Health Center, Peroorkkada, Thiruvananthapuram	Saranya K	2018	30 Days - April 2018	Psychology Internship
107	Student Internship	Institute for Communicative and Cognitive Neurosciences - ICCONS, Thiruvananthapuram -04716066061	Ziya Arun	2018	30 Days - April-May 2018	Psychology Internship

108	Internship-Water Quality assessment of Vamanapuram River: A small study of Vamanapuram Watershed.	Hydrological Processes Group, NCESS (ESSO), Thiruvananthapuram-695011	Devi A S	2018	3 months- April-June 2018	MSc Research Project
109	Internship-Characterisation and Quantification of Tetrel Bonds: A Theoretical Study.	Computational Chemistry, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Arya M R	2018	3 months- April-June 2018	MSc Research Project
110	Internship-Hydrogeochemistry of Idamalayar Catchment: Dissolved Load Sources, Controlling Factors and Quantification.	Hydrological Processes Group, NCESS (ESSO), Thiruvananthapuram-695011	Aiswarya A U	2018	3 months- April-June 2018	MSc Research Project
111	Internship-Geochemistry of Soils with special reference to Environmental Pollution- a study of Periyar River Basin, Southern Western Ghats, Kerala.	Crustal Processes Group, NCESS (ESSO), Thiruvananthapuram-695011	Gayathri Devi E S	2018	3 months- April-June 2018	MSc Research Project
112	Internship- Synthesis and Photophysical Characterisation of 1,3,4-Oxadiazole derivatives for Two Photon Imaging applications	Photoscience and Photonics Section, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Sana A S	2018	3 months- April-June 2018	MSc Research Project

113	Internship-Revamping of Montmorillonite clay with Chitosan for the removal of aqueous Phosphate along with assessment of Water quality parameters of Nethravathi River.	Hydrological Processes Group, NCESS (ESSO), Thiruvananthapuram-695011	Amrutha P R	2018	3 months- April-June 2018	MSc Research Project
114	Internship- A unique paradigm of a D-A-D based pyrilium and pyridinium Fluorescence probes for ratiometric pH sensing and imaging of Lysosome.	Photoscience and Photonics Section, Chemical Sciences and Technology Division, NIIST (CSIR), Thiruvananthapuram-695019	Praveena L P	2018	3 months- April-June 2018	MSc Research Project
115	Student Internship	Mental Health Center, Thiruvananthapuram	Divya E	2018	30 Days - April 2018	Psychology Internship
YEAR 4 (2016-17)						
116	Skill Mentorship for Innovative Life Experience Training Camp-SMILE, Additional Skill Acquisition Programme ASAP	Skill Mentorship for Innovative Life Experience - SMILE collaboration with Additional Skill Acquisition Programme - ASAP, Govt of Kerala, Thiruvananthapuram	Sruthy Murali	2017	3 Days- April 2017	Psychology Training session on Career decision making

117	Internship- Cashew Nut Shell Liquid as Bio-Surfactant for Alumina Hybrid Coatings	Dr.S. Ananthakumar, Scientist, Material Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram, Kerala-695019	Arunima A	2017	3 Months- April-June 2017	MSc - Research Project
118	Internship- Synthesis of Organic Nanoparticle Composed of Frechet Type Dendrons and its Surface Modification Through Grafting of Aryl Radical	Dr.K. R. Gopidas, Chief Scientist Photosciences and Photonics Section, Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram, Kerala-695019	Athira R S	2017	3 Months- April-June 2017	MSc - Research Project
119	Internship- Investigation of Interaction Dynamics of Hematin with an Antimalarial Drug Chloroquine using Absorption, Fluorescence, and Transient Absorption Spectroscopy	Dr. V. Karunakaran, Senior Scientist Photosciences and Photonics Section, Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram, Kerala-695019	Simi Thomas	2017	3 Months- April-June 2017	MSc - Research Project

120	Internship- Employing Covalent and Non-covalent Synthetic Methodologies in the Molecular and Supramolecular System Studies	Dr. Sunil Varughese, Senior Scientist, C. V. Raman Block Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram, Kerala-695019	Sneha Sara Varghese	2017	3 Months- April-June 2017	MSc - Research Project
121	Internship- Utilization of Secondary Amines in Ugi Reaction for the Synthesis of Benzofuran	Dr. L.Ravishankar, Scientist, Organic Chemistry, Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram, Kerala-695019	Sruthi Samban	2017	3 Months- April-June 2017	MSc - Research Project
122	Internship- Preparation and Characterisation of Al(III) Doped ZnFe ₂ O ₄ Pigments with Solar Reflectance	Dr. Nishanth K. G., Scientist, Material Sciences and Technology Division, CSIR-NIIST, Trivandrum, Kerala-695019	Suhara Beevi S	2017	3 Months- April-June 2017	MSc - Research Project
123	Mental Health Research Project and Training	Director, Centre on the Death Penalty, National Law University, New Delhi	Maya Menon	2017	30 Days- April-May 2017	Research and Training

124	Mental Health Research Project and Training	Director, Centre on the Death Penalty, National Law University, New Delhi	Shiju Joseph	2017	30 Days- April-May 2017	Research and Training
125	Personality Test Preparation for student applicants at NISH	National Institute of Speech & Hearing, NISH- Thiruvananthapuram	Maya Menon	2016	1 Day- November 2016	Research and Training
YEAR 5 (2015-16)						
126	Resource person for the Design and development of modules for Adolescent Life Skills Training Program	Skill mentorship for Innovative life experience (SMILE) Additional Skill Acquisition Programme-ASAP, Govt. of Kerala	Maya Menon	2016	1 Day- April 2016	Resource person in Module Preparation
127	Resource person for developing psychometric tool for aptitude identification in Adolescent Life Skills Training Program	Skill mentorship for Innovative life experience (SMILE) Additional Skill Acquisition Programme-ASAP, Govt. of Kerala	Shiju Joseph	2016	1 Day- May 2016	Resource person in Module Preparation

128	Student Internship	Child Development Center, Trivandrum Medical College Campus, Trivandrum Contact - 0471-2553540	Betsy Baby	2016	13 days- May 2016	Psychology Internship
129	Student Internship	Child Development Center, Trivandrum Medical College Campus, Trivandrum Contact - 0471-2553540	Jinu Suresh	2016	14 days- May 2016	Psychology Internship
130	Student Internship	Child Development Center, Trivandrum Medical College Campus, Trivandrum Contact - 0471-2553540	Reshma S S	2016	13 days- May 2016	Psychology Internship

131	Student Internship	Child Development Center, Trivandrum Medical College Campus, Trivandrum Contact - 0471-2553540	Anjana V R	2016	12 days- May 2016	Psychology Internship
132	Student Internship	Child Development Center, Trivandrum Medical College Campus, Trivandrum Contact - 0471-2553540	Anumol S S	2016	12 days- May 2016	Psychology Internship
133	Student Internship	Child Development Center, Trivandrum Medical College Campus, Trivandrum Contact - 0471-2553540	Aswathy A S	2016	11 days- May 2016	Psychology Internship

134	Student Internship	Child Development Center, Trivandrum Medical College Campus, Trivandrum Contact - 0471-2553540	Reshma S	2016	12 days- May 2016	Psychology Internship
135	Internship- Synthesis and Characterization of High IR Reflecting Inorganic Pigments based on Rare earth doped Bi ₂ Ce ₂ O ₇ System for Energy saving Applications.	Dr. P. Prabhakar Rao, Chief Scientist & Head, Materials Science & Technology Division, National Institute of Interdisciplinary Science & Technology, Thiruvananthapuram	Arathijith P.B.	2016	3 Months- April-June 2016	MSc - Research Project
136	Internship- Effect of different Alcohols on the Stability of Phenol - Formaldehyde Resin.	Temina Mary Robert, Scientist, Polymers and Special Chemicals Division, Vikram Sarabhai Space centre, Thiruvananthapuram	Aswini Narayanan	2016	3 Months- April-June 2016	MSc - Research Project

137	Internship- Synthesis and Optical Properties of La ₂ CuGe ₂ O ₈ based green pigments.	Dr. P. Prabhakar Rao, Chief Scientist & Head, Materials Science & Technology Division, National Institute of Interdisciplinary Science & Technology, Thiruvananthapuram	Divya Jayan	2016	3 Months- April-June 2016	MSc - Research Project
138	Internship - Isolation and Synthestic Trasformation of Bioactives from Azadirachta Indica Leaves	Dr. Sasidhar B S, Scientist, Organic Chemistry Division, CSIR - National Institute of Interdisciplinary Science & Technology, Thiruvananthapuram	Gayathri R.S.	2016	3 Months- April-June 2016	MSc - Research Project
139	Internship- Isolation and Identification of Phytochemical Constituents of Methanolic Extract of Coccinia Grandis (IVY Gourd)	Dr. L.Ravishankar, Scientist, Organic Chemistry, Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram, Kerala-695019	N. Anjali	2016	3 Months- April-June 2016	MSc - Research Project

140	Internship- Dye - Removal using Activated Carbon and Fe ₃ O ₄ /Oxidized Activated Carbon Magnetic Nanocomposite	Dr. Satyajit Shukla, Senior Scientist, Functional Materials Section, Material Science & Technology Division, CSIR-NIIST, Thiruvananthapuram, Kerala-695019	Reshma R.	2016	3 Months- April-June 2016	MSc - Research Project
141	ASPIRE Scholarship- Isolation of ursolic acid from tulsi leaves and its derivative preparation	Dr. Ani Deepthi, Asst. Professor, Dept. of Chemistry, School of Physical and Mathematical sciences, University of Kerala, Kariavattom, Thiruvananthapuram	N. Anjali	2015	30 Days- July 2015	ASPIRE Scholarship Project

Attested
[Signature]

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



2019 – 2020

Shirley
Principal
Government College for Women
Bengaluru



STUDIES ON DEVELOPMENT OF FLEXIBLE POLYURETHANE FOAM AS CREW SEAT

Project report

In partial fulfillment of the award of the degree of

Master of Science in Chemistry

Submitted by

APARNA S

Candidate code: 63518107001

Under the guidance of

Ms. REMYA BALAKRISHNAN

Scientist/Engineer-SE
Application Development Division
Vikram Sarabhai Space Centre
Thiruvananthapuram



DEPARTMENT OF CHEMISTRY

GOVT. COLLEGE FOR WOMEN

VAZHUTHACAUD, THIRUVANANTHAPURAM, KERALA

UNIVERSITY OF KERALA

SEPTEMBER 2020

Attested
[Signature]

**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14**



**CERTIFICATE**

This is to certify that **Ms APARNA S**, Master of Science in Chemistry, Govt College for Women, Thiruvananthapuram, worked on the topic, entitled as **'STUDIES ON DEVELOPMENT OF FLEXIBLE POLYURETHANE FOAM AS CREW SEAT'** under my supervision at Vikram Sarabhai Space Centre, Thiruvananthapuram, in partial fulfillment of the requirements for the award of Master of Science in Chemistry, University of Kerala, Thiruvananthapuram. The present work or any part thereof has not been submitted elsewhere for any degree.

Project Guide

REMYA BALAKRISHNAN

Scientist/Engineer-SE

Application Development Division

Division Head

NALLAPERUMAL A.M

Scientist/Engineer-SG

Application Development division

சுயாதீனம் & இ. நல்லாபெருமல் அ.ம.
பயிற்சி, மேலாண்மை, கட்டுமானம், சிபிடி
HEAD APD/CSG/PCM
விண்வெளி மேலாண்மை இலாகா
Vikram Sarabhai Space Centre
பாரதி மன்றம், திருவனந்தபுரம்
தமிழ்நாடு, திருவனந்தபுரம்

Attested
[Signature]
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



**MODULATING LOWER CRITICAL SOLUTION TEMPERATURE OF
SUPRAMOLECULAR POLYMER BY ADDING WATER SOLUBLE DYES**

A Project Report Submitted for the Partial Fulfillment

of the Requirements for the Degree of

MASTER OF SCIENCE

IN

CHEMISTRY

BY

ATHIRA GOPAN



Register No: 63518107002

DEPARTMENT OF CHEMISTRY

GOVT. COLLEGE FOR WOMEN, THIRUVANANTHAPURAM

Under the Supervision of



Dr. A. Ajayaghosh

At

**CHEMICAL SCIENCES AND TECHNOLOGY DIVISION, CSIR-NATIONAL INSTITUTE FOR
INTERDISCIPLINARY SCIENCE AND TECHNOLOGY, THIRUVANANTHAPURAM-
695019**

JUNE 2020



Attested
[Signature]

**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14**

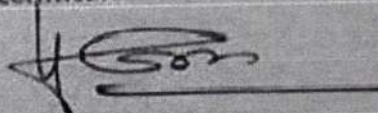


National Institute for Interdisciplinary Science and Technology (NIIST)*(Formerly Regional Research Laboratory)***Council of Scientific & Industrial Research
(CSIR)****Industrial Estate P.O., Trivandrum - 695 019
Kerala, INDIA****Tel: 91-471-2490324
Fax: +91-471-2491712****Dr. A. Ajayaghosh, FASE., FNASE., FNA., FTWAS
Director****Email: ajayaghosh62@gmail.com
ajayaghosh@niist.res.in**

July 14, 2020

CERTIFICATE

This is to certify that the project report entitled "**Modulating lower critical solution temperature of supramolecular polymer by adding water soluble dyes**" submitted by **Athira Gopan** for the partial fulfillment of the degree of master of science (M.Sc.) in chemistry of Govt. college for women, Vazhuthacaud, Thiruvananthapuram is a bona-fide work carried out by her under my guidance in the photosciences and photonics section, NIIST, Trivandrum. This report in my opinion is worthy of consideration for the award of certificate.


Dr. A. Ajayaghosh**Photosciences and Photonics section
CSIR-NIIST, Trivandrum***Athira Gopan*
Thiruvananthapuram

SYTHESIS OF VARIOUS N-SUBSTITUTED ISATINS

In partial fulfilment for the award of the degree of

Master of Science in Chemistry

By

Deepanjana Mohan

Register Number: 63518107003

Govt. College For Women

Vazhuthacaud, Thiruvananthapuram



Under the guidance of

Dr. Sasidhar B. S.

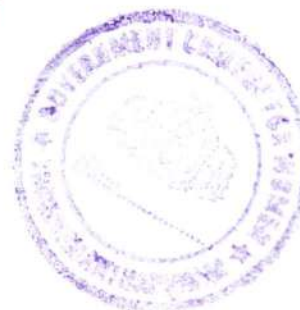
Senior Scientist

**CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)
Thiruvananthapuram, Kerala-695019**



April 2020

Handwritten signature in red ink
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY (NIIST)

Council of Scientific & Industrial Research (CSIR), Govt. of India

Dr. Sasidhar B. S.

Senior Scientist, Organic Chemistry Section
Chemical Sciences and Technology Division

E mail: drsasidharbs@gmail.com
drsasidharbs@niist.res.in

Telephone: 09497260897(Mob)
0471 2515416 (Off); Fax: +91 2491712

CERTIFICATE

This is to certify that the project report entitled "**Synthesis of various N-substituted isatins**" submitted by **Deepanjana Mohan** for the partial fulfillment of the degree of master of science (M.Sc.) in chemistry of Govt.college for women, Vazhuthacaud Thiruvananthapuram is a bona fide work carried out by her under my guidance at the Chemical Sciences and Technology Division, **CSIR-National Institute for Interdisciplinary Science and Technology (NIIST)**, Trivandrum. This report in my opinion is worthy of consideration for the award of certificate.

Dr. Sasidhar B. S.

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-12



**STUDY ON EFFECT OF SULPHURICACID IN THE LEACHING
PROCESS DURING THE MANUFACTURE
OF TITANIUM DIOXIDE**

*Dissertation submitted
in partial fulfilment of the requirements for the
award of degree of*

MASTER OF SCIENCE

IN

CHEMISTRY

BY

DHANYA KRISHNAN U R

Register No: 63518107004



**DEPARTMENT OF CHEMISTRY
GOVT.COLLEGE FOR WOMEN,
THIRUVANANTHAPURAM
KERALA, INDIA
JULY 2020**

Attashed
[Signature]

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



**TRAVANCORE TITANIUM PRODUCTS LIMITED**

(A Government of Kerala Undertaking)
THIRUVANANTHAPURAM

27th July 2020

CERTIFICATE

This is to certify that Ms. Dhanya Krishnan U R, Msc Chemistry Student of Govt. College for Women, Thiruvananthapuram, has carried out her Project work on "STUDY ON EFFECT OF SULPHURIC ACID IN THE LEACHING PROCESS DURING THE MANUFACTURE OF TITANIUM DIOXIDE" in Travancore Titanium Products Limited with effect from 13th January 2020 to 24th January 2020.



Beena
Manager (P & A)



REGD. OFFICE : KOCHUVELI, THIRUVANANTHAPURAM - 695 021, KERALA, INDIA
Phone : 0471-2502748, 2508621, 2500221 Fax : 0471 - 2502724, 2501533, 2501127
CIN : U13209KL1946SGC001214, GST No: 32AAACT8543J129
E-mail : mktg@travancoretitanium.com, md@tptd.in, purchase@tptd.in
Visit us on : www.travancoretitanium.com
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DFT STUDY ON THE INTERACTION OF CO₂ WITH LONE PAIR BEARING MOLECULES

**A Project Report Submitted for the Partial Fulfillment
of the Requirements for the Degree of
MASTER OF SCIENCE**

In

CHEMISTRY

By

FASNI S

Register No: 63518107005



**DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE FOR WOMEN, THIRUVANANTHAPURAM**

Under the Supervision of

Dr. C H SURESH



At

**CHEMICAL SCIENCES AND TECHNOLOGY DIVISION
CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY
SCIENCE AND TECHNOLOGY,
THIRUVANANTHAPURAM-695019**

JUNE 2020



Attested
Shrile
**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A**



COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND
TECHNOLOGY (CSIR - NIIST),

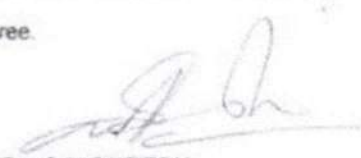
GOVT. OF INDIA

CHEMICAL SCIENCES AND TECHNOLOGY DIVISION (CSTD)

Industrial Estate P.O. Thiruvananthapuram, KERALA, INDIA, 695019

CERTIFICATE

This is to certify that **Ms. FASNI S.** Master of Science in Department of Chemistry, Govt. College for Women, Thiruvananthapuram, worked on the topic, entitled as "**DFT STUDY ON THE INTERACTION OF CO₂ WITH LONE PAIR BEARING MOLECULES**" under my supervision in Chemical Sciences and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, in a partial fulfillment of the requirements for the Degree of Master of Science in Chemistry, University of Kerala, Thiruvananthapuram. The present work or any part of there has not been submitted elsewhere for a degree.

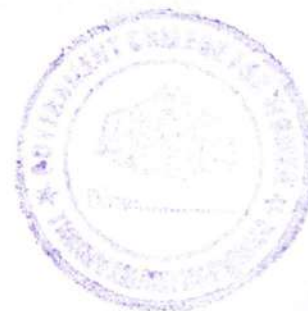


Dr. C H SURESH

Senior Principal Scientist

CSIR-NIIST, Thiruvananthapuram

Attested
Principals
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



Copper Modified Polycarbosilane: A Preliminary Study on Its Structure and Catalysis

A PROJECT REPORT

Submitted by

Lavanya B. Sajeev

Register No: 63518107006

To

University of Kerala

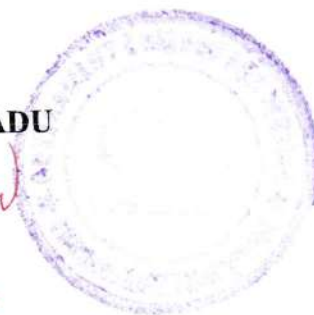
In partial fulfilment of the award of the degree of

**MASTER OF SCIENCE IN
CHEMISTRY**

**DEPARTMENT OF CHEMISTRY
GOVERNMENT COLLEGE FOR WOMEN, VAZHUTHACADU
THIRUVANANTHAPURAM
KERALA, INDIA**

JULY 2020

Approved
Principals
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



भारत सरकार
अंतरिक्ष विभाग
विक्रम साराभाई अंतरिक्ष केन्द्र
थिरुवनन्थपुरम-695 022
केरल, भारत
फोन : (0471) 2563843
फैक्स : (0471) 2564096



Government of India
Department of Space
Vikram Sarabhai Space Centre
Thiruvananthapuram-695 022
Kerala, INDIA
Telephone : (0471) 2563843
Fax : (0471) 2564096

Propellants, Polymers, Chemicals & Materials Entity
Analytical, Spectroscopy and Ceramics Group
Ceramic Matrix Products Division

CERTIFICATE

July 27, 2020

This is to certify that the work embodied in the project report titled "**Copper Modified Polycarbosilane: A preliminary study on its structure and catalysis**" has been carried out by Kum. **Lavanya B. Sajeer** under our supervision and guidance during the period January 2020 - March 2020. The present work or any part of the report has not been submitted to any other university or institution for the award of any degree or diploma.

Vipin Vijay V.
27.07.2020

Dr. Vipin Vijay V.
Scientist SD
Ceramic Matrix Composites Section
(Co-guide)

Dr. Sreejith K. J.
2020

Dr. Sreejith K. J.
Scientist SE
Ceramic Matrix Composites Section
(Guide)

Dr. Renjith Devasia

Dr. Renjith Devasia
Scientist SG & Division Head
Ceramic Matrix Products Division

Principal
Chills



PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14

DEVELOPMENT OF POLYIMIDE FOAM FROM DIANHYDRIDE AND ISOCYANATE

*Dissertation Submitted to the University of Kerala In the partial fulfillment of the Degree of
Master of Science in Chemistry*

BY

Lekshmi.A Reg.No: 63518107007



DEPARTMENT OF CHEMISTRY

GOVT. COLLEGE FOR WOMEN, THIRUVANANTHAPURAM

Under the Supervision of

Smt. Ani K John, SCIENTIST SE

&

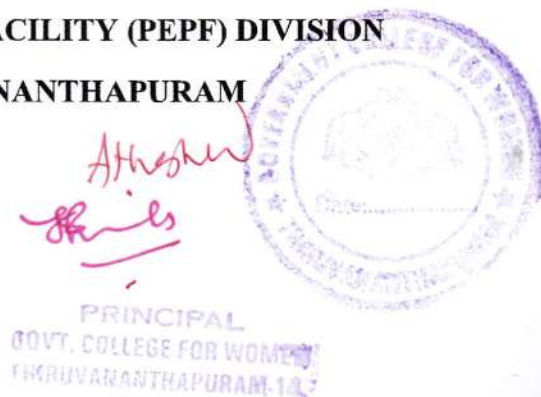
Shri. Satish Mahto, SCIENTIST SC

PROJECT ENGINEERING AND PRODUCTIONIZATION FACILITY (PEPF) DIVISION

VIKRAM SARABHAI SPACE CENTRE THIRUVANANTHAPURAM



JULY 2020



भारत सरकार
अंतरिक्षविभाग

विक्रम साराभाई अंतरिक्षकेन्द्र

तिरुवनन्तपुरम-695 022

केरल, भारत

फोन : (0471) 2563658

फैक्स: (0471) 2563013



Government of India
Department of Space

Vikram Sarabhai Space Centre

Thiruvananthapuram-695 022

Kerala, INDIA

Telephone : (0471) 2563658

Fax : (0471) 2563013

CERTIFICATE

This is to certify that the project report titled **DEVELOPMENT OF POLYIMIDE FOAM FROM DIANHYDRIDE AND ISOCYANATE** submitted by **Ms. Lekshmi A**, final year MSc. Chemistry student of Govt. College for Women, Thiruvananthapuram, in partial fulfilment of the requirement for award of Degree of **Master of Science in Chemistry** of University of Kerala, is bonafide record of the work carried out by them at PEPF/CSG, Vikram Sarabhai Space Centre, Trivandrum under our guidance.

Project Guide

Co-Guide

Division Head

(Ani K John)
Scientist/Engineer-SE,
PEPF/CSG/PCM

(Satish Mahto)
Scientist/Engineer-SC
PEPF/CSG/PCM

(N Saravanan)
Manager, PEPF
PEPF/CSG/PCM



भारतीय अंतरिक्ष अनुसंधान संगठन

Indian Space Research Organization

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



**STUDIES ON EFFECT OF CATALYST ON THE
KINETICS OF
POLYOL-ISOCYANATE REACTION**

A project report submitted for the Partial Fulfillment
of the Requirements for the Degree of
MASTER OF SCIENCE in CHEMISTRY

By

MALAVIKA K. G.

Candidate code: 635 18 107 008



**DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE FOR WOMEN,
THIRUVANATHAPURAM**

Under the guidance of

Dr. Suresh Kumar A.

Scientist/Engineer-SE

Application Development Division



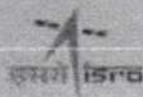
Vikram Sarabhai Space Centre

Thiruvananthapuram

AUGUST 2020

Attested
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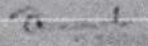
**PRINCIPAL
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THIRUVANANTHAPURAM-10**




**Vikram Sarabhai Space Centre
Thiruvananthapuram**

CERTIFICATE

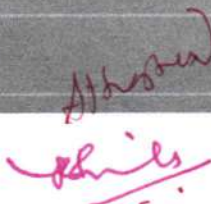
This is to certify that **Ms. MALAVIKA K. G.**, Master of Science in Chemistry, Govt. College for Women, Thiruvananthapuram, worked on the topic, entitled as "**STUDIES ON EFFECT OF CATALYST ON THE KINETICS OF POLYOL-ISOCYANATE REACTION**" under our supervision and guidance at Vikram Sarabhai Space Centre, Thiruvananthapuram, in partial fulfillment of the requirements for the Degree of Master of Science in Chemistry, University of Kerala, Thiruvananthapuram. This work has not been submitted elsewhere for any degree.


Project Guide
Dr. SURESH KUMAR A.
Scientist/Engineer-SE
Application Development Division


Division Head
NALLAPERUMAL A. M.
Scientist/Engineer-SG
Application Development Division

Dr. A. Suresh Kumar
Scientist/Engineer-SE
Application Development Division
Vikram Sarabhai Space Centre
Thiruvananthapuram

Dr. Nallaperumal A. M.
Division Head
Scientist/Engineer-SG
Application Development Division
Vikram Sarabhai Space Centre
Thiruvananthapuram


PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



Phenothiazine Based Organic D-D- π -A Dyes for Dye-Sensitized Solar Cells

In partial fulfillment for the award of the degree of

Master of Science in Chemistry

By

Meenakshy C.B

Register Number: 63518107009

Govt. College For Women, Vazhuthacaud, Thiruvananthapuram



Under the guidance of

Dr. Suraj Soman

Scientist

**CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)
Thiruvananthapuram, Kerala-695019**



April 2020



**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A**

Studies on Dopamine and Glycidyl Methacrylate Modified Epoxy Adhesive for Metals

By

MEEVAL STISHI GEORGE
(Registration. No. 63518107010)

A Dissertation Submitted

Submitted to **UNIVERSITY OF KERALA**

In Partial fulfilment of the requirements For the award of the degree

Of

**MASTER OF SCIENCE IN
CHEMISTRY**



DEPARTMENT OF CHEMISTRY

GOVT. COLLEGE FOR WOMEN, VAZHUTHACAUD UNIVERSITY OF KERALA
THIRUVANANTHAPURAM

JULY-2020

Appended
Shis
PRINCIPAL
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THIRUVANANTHAPURAM-14



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अन्तरिक्ष विभाग
विक्रम साराभाई अन्तरिक्ष केन्द्र
थिरुवनन्थपुरम - 695 022, भारत



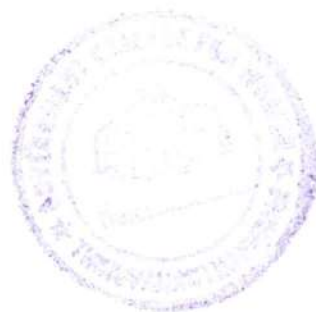
Government of India
Department of Space
Vikram Sarabhai Space Centre
Thiruvananthapuram-695022, India

Certificate

This is to certify that the project report entitled **"Studies on Dopamine and Glycidyl Methacrylate Modified Epoxy Adhesive for Metals"** is an authentic record of project work done by Ms. MEEVAL STISHI GEORGE from Department of Chemistry, Govt. College for Women, Vazhuthacaud, Thiruvananthapuram, Kerala, under the supervision and guidance of Shri. Ranajit Pal, Sci./Engr. SE, and Smt. Monisha Baby, Sr. Sci. Asst. A of Polymers and Special Chemicals Division, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala, during the period from January 2020 to March 2020 for the award of M.Sc. Degree in Chemistry.

Ranajit Pal
29/04/2020
RANAJIT PAL

Atheshwari
Shree
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



New Pyridinium Fluorophore for Multichannel pH

Tel: 91-471-2490324
Fax: +91-471-2491 712

Dr. A. Ajayaghosh ., FASE., FNASc., FNA., FTWAS
Director

Email: ajayaghosh62@gmail.com
ajayaghosh@niist.res.in

July 14, 2020

CERTIFICATE

This is to certify that the project report entitled "A New Pyridinium Fluorophore for Multichannel pH Sensing of Endoplasmic Reticulum in Live Cells" submitted by Sreelekshmi S. R. for the partial fulfillment of the degree of master of science (M.Sc.) in chemistry of Govt.college for women, Vazhuthacaud, Thiruvananthapuram is a bona-fide work carried out by her under my guidance in the photosciences and photonics section, NIIST, Trivandrum. This report in my opinion is worthy of consideration for the award of certificate.

Dr. A. Ajayaghosh ., FASE., FNASc., FNA.



निदेशक / Director
सी आर आर इंस्टीट्यूट ऑफ इंटरडिसिप्लिनरी
Science and Technology
Thiruvananthapuram - 695 018

Photosciences and Photonics section
CSIR-NIIST, Trivandrum

Ajash
Chile

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-18



**PREPARATION OF RUTILE TITANIUM DIOXIDE
BY USING TITANIUM OXYCHLORIDE
AS NUCLEATING AGENT**

*Dissertation Submitted
in partial fulfillment of the requirements for the
award of the degree of*

MASTER OF SCIENCE

IN

CHEMISTRY

By

VISHNUPRIYA U

Register No : 63518107012

Exam Code : 63516403

Subject Code : CH243(a)



**DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-695015
KERALA, INDIA**

Under the Supervision of
Dr. J. Pushparajan
Deputy Manager (R&D)
Travancore Titanium Products Limited
Kochuveli, Thiruvananthapuram.
JULY 2020

J. Pushparajan
Principal

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



**TRAVANCORE TITANIUM PRODUCTS LIMITED**

(A Government of Kerala Undertaking)

THIRUVANANTHAPURAM

27th July 2020**CERTIFICATE**

This is to certify that Ms. Vishnupriya. U, Msc Chemistry Student of Govt. College for Women, Thiruvananthapuram, has carried out her Project work on "RUTILE TITANIUM DIOXIDE PREPARATION BY USING TITANIUM OXYCHLORIDE AS NUCLEATING AGENT" in Travancore Titanium Products Limited with effect from 13th January 2020 to 24th January 2020.



Being
Manager (P & A)



REGD. OFFICE : KOCHUVELI, THIRUVANANTHAPURAM - 695 021, KERALA, INDIA
Phone : 0471-2502748, 2508621, 2500221 Fax : 0471 - 2502724, 2501533, 2501127
CIN : U13209KL1946SGC001214, GST No: 32AAACT8543J1Z9
E-mail : mktg@travancoretitanium.com, md@tptltd.in, purchase@tptltd.in
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PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A




Dept. of Hindi, Govt. College for Women, Thiruvananthapuram in Collaboration with Kerala State Higher Education Council, Govt. Of Kerala

Link of online classes

1. https://t.me/BAHindi2ndsemsfi_teleclassroom
2. <https://t.me/HN12113>
3. https://t.me/BAenglish2sem_sfi
4. <https://t.me/HN11241>
5. <https://t.me/HN12111>
6. <https://t.me/HN1231>
7. https://m.facebook.com/story.php?story_fbid=1324145587787754&id=376621152540207
8. <https://youtu.be/RMeokTja3aU>
9. https://youtu.be/bPSNaBIV_vk
10. https://youtu.be/LA61PF2C_wQ
11. <https://youtu.be/klk6SdnnUsc>
12. <https://youtu.be/XYWAUE4iKFM>
13. <https://youtu.be/mZD99bhYG64>
14. <https://youtu.be/01NMnFL117Y>
15. <https://youtu.be/vBozPqzUI9M>
16. <https://youtu.be/hpX7NCdSPsE>
17. <https://youtu.be/UcwitUERC-8>
18. <https://youtu.be/1DGitaRrKrQ>
19. <https://youtu.be/oo-fsKj2HLk>
20. <https://youtu.be/COPwjV7b5B8>
21. <https://youtu.be/kQ3pvOhx1I0>
22. https://youtu.be/Qc_2RQuBWdl
23. <https://youtu.be/zffFJ6cbuT4>
24. <https://youtu.be/vHexy5hU6J0>
25. <https://youtu.be/ineXQAAjhDk>
26. <https://youtu.be/0qeflnYiiPg>
27. <https://youtu.be/W24MPtpPGf0>

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PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



28. <https://youtu.be/rLJsD7s5HNQ>
29. https://youtu.be/3DkqK_AjxcE
30. <https://youtu.be/hB0m1FQutM>
31. <https://youtu.be/gVgn4r-brsc>
32. https://youtu.be/ZtnC_PHC7HE
33. <https://youtu.be/3nBr8afN12Y>
34. <https://youtu.be/-sy06n5VJeg>
35. <https://youtu.be/cncvI9FPcdA>
36. <https://youtu.be/sFvpkxe2Fsg>
37. <https://youtu.be/FhMPVRLCoaA>
38. https://youtu.be/eXqLO-z_ed4
39. https://youtu.be/ib_eXhJ1o0w
40. https://youtu.be/OvIJJsy_LIE
41. <https://youtu.be/zbIqWoOZxYI>
42. www.kshec.kerala.gov.in
43. <http://www.collegiateedu.kerala.gov.in/>
44. <https://youtube.be/qIE9krAtgIM> - SDE Patsala university of kerala

Dr. SHABANA HABEEB

Asst. Prof. of Hindi

Govt. College for Women,

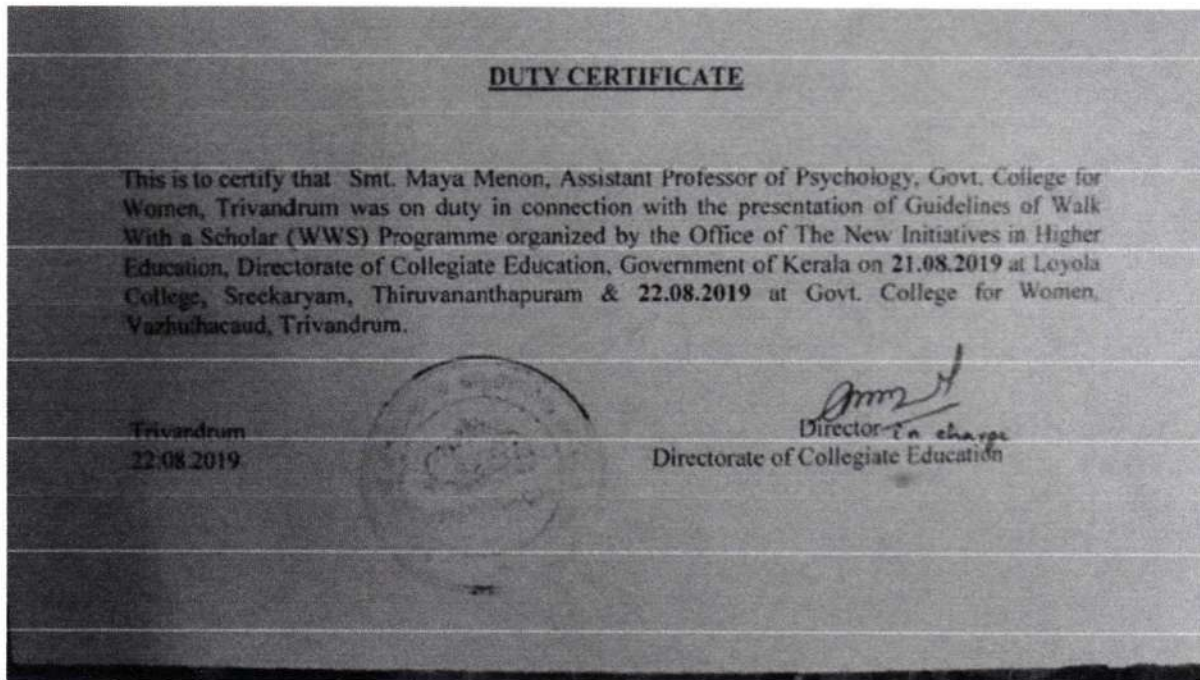
Thiruvananthapuram

Webinar link

1. <https://m.facebook.com/groups/683518505541886?view=permalink&id=691695261390877>
2. <https://youtu.be/A5Iro37emykh>

Shabana
Shabana
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





Attested
Shile

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM, K.



New Initiatives in Higher Education
Directorate of Collegiate Education
Department of Higher Education
Government of Kerala

DUTY CERTIFICATE

Certified that Smt. Maya Menon , Assistant Professor of Govt. Women's College Trivandrum was on duty in association with the Technical session of Master Mentor Training Programme of Walk with a scholar (WWS) 2019-20, organized by the New Initiatives in Higher Education, Directorate of Collegiate Education, Govt. of Kerala at Government College for Women, Vazhuthacaud, Thiruvananthapuram on 29/08/2019 & 30/08/2019.

30 August 2019
Trivandrum




Director-in-Charge
Directorate of Collegiate Education

Attested
Shilpa
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



Duty Certificate

 **STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT) KERALA**
Vidyabhavan, Poojappura, Thiruvananthapuram, Kerala-695 012.
Phone - 0471 - 2341883, 2340323
Website: www.scert.kerala.gov.in; e-mail: scertkerala@gmail.com

DUTY CERTIFICATE


PI/1952/19/SCERT(87-8/19)

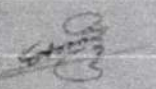
Certified that Shri/Smt MAYA MENON, ASSISTANT PROFESSOR, GOVT COLLEGE FOR WOMEN, THIRUVANANTHAPURAM has participated in the workshop for GUIDANCE AND COUNSELLING as Expert / Participant / National Expert from 19-08-2019 to 21-08-2019 at SCERT, Poojappura, Thiruvananthapuram.

His/her absence in the parent institution may be treated as on Other Duty (OD/DL). Honorarium and TA/DA have been paid by SCERT.

Days Absent : 20-08-2019, 21-08-2019

Poojappura
21-08-2019




Director

Attended
Shri

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-19



DUTY CERTIFICATE

This is certify that Sri/ Smt. Maya Menon of
..... has attended the adolescent
education module modification workshop from 14/11/2019 to 15/11/2019 at
O/of the DGE, Thiruvananthapuram. His/ Her absence in the parent office may be
treated as other Duty (O

Jagathy

15/11/2019

M. Prull


For Director of General Education

Attested
Principle

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



Duty Certificate

 **STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT) KERALA**
Vidyabharani, Poojappura, Thiruvananthapuram, Kerala 695 012.
Phone: (0471) 2345883, 2340323
Website: www.scert.kerala.gov.in, e-mail: scertkerala@gmail.com

DUTY CERTIFICATE


PI/1952/19/SCERT(14-9/19)


Certified that Shri/Smt **SHIJU JOSEPH, PSYCHOLOGY, GOVT COLLEGE FOR WOMEN, THIRUVANANTHAPURAM** has participated in the workshop for **TALENT LAB** as Expert / Participant / National Expert from **03-09-2019 to 05-09-2019** at SCERT, Poojappura, Thiruvananthapuram.

His/her absence in the parent institution may be treated as on (Other Duty or Duty Leave (OD-DL)), Honorarium and TA/DA have been paid by SCERT.

Days Absent : **05-09-2019**

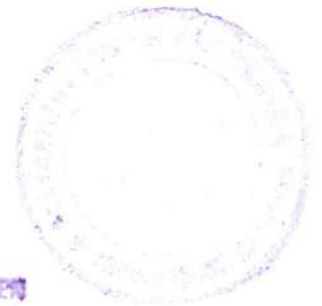
Poojappura
05-09-2019



Director



Attested
Shiju

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



 **STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT) KERALA**
Vilakkulam, Poojappura, Thiruvananthapuram, Kerala-695 027.
Phone : 0471 - 2341883, 2346123
Website : www.scert.kerala.gov.in; e-mail : scertkerala@gmail.com



DUTY CERTIFICATE **P1/1952/19/SCERT(19/11/19)**

Certified that Shri/Smt **SHIJU JOSEPH, PSYCHOLOGY, GOVT COLLEGE FOR WOMEN, THIRUVANANTHAPURAM** has participated in the workshop for **TALENT LAB** as **Expert / Participant / National Expert** from **21-11-2019 to 23-11-2019** at **SCERT, Poojappura, Thiruvananthapuram**.

His/her absence in the parent institution may be treated as an **Other Duty or Duty Leave(OD/DL)**. **Honorarium and TADA** have been paid by SCERT.

Date Absent : **22-11-2019**

Poojappura
22-11-2019

 
Director

Atheshw
Shiju
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



DUTY CERTIFICATE

This is certify that Sri/ Smt. Shiju Joseph of
.....has attended the adolescent
education module modification workshop from 14/11/2019 to 15/11/2019 at
O/of the DGE, Thiruvananthapuram. His/ Her absence in the parent office may be
treated as other Duty (O.D)

Jagathy

15/11/2019

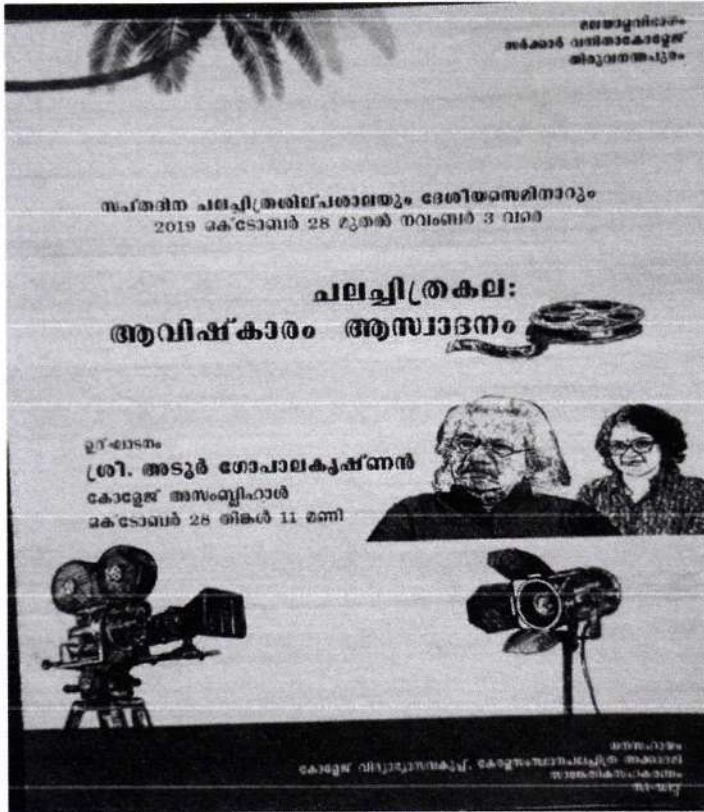
M. P. Pillai

For Director of General Education

Attested
Shiju

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A





English translation of the brochure presented in regional language

Dept. of Malayalam
Govt. College for Women
Thiruvananthapuram
Organizing

Seven Days Film Workshop and National Seminar

2019 October 28 to November 3

Film Art
Expression and Art of Enjoyment

Inauguration

Shri. Adoor Gopalakrishnan

Monday 28 October 11 am

Assembly Hall- Govt. College for Women

Thiruvananthapuram

Financial aid

Directorate of Collegiate Education and Kerala State Film Academy

Technical Support

C-DIT

*Atheenul
Shirley*

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM





English translation of the brochure presented in regional language

O. V Vijayan Memorial Committee, Palghat

Khasakkinte Ithihasam 50th Year

One Day Seminar on

2019 November 5

at

Assembly Hall, Govt. College for Women, Thiruvananthapuram

Affected
Chile

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





Kerala State Handloom Weavers'
Co-operative Society Ltd. H.232

H.O.Hantex/O.N-380/2018

01.10.2019

To Whomsoever it may concern

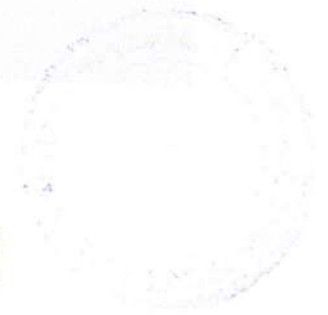
This is to certify that Ms. Anaswara J R (Reg.No. 59018107005) who is doing M.Com in Government College for Women, Thiruvananthapuram has done an Internship at Hantex. She has successfully completed the "Internship Programme at HANTEX" from 16.09.2019 to 01.10.2019 and submitted the report.



[Signature]
Finance Manager,
Hantex.

[Signature]
[Signature]

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THIRUVANANTHAPURAM-14





Kerala Tourism Development Corporation Limited

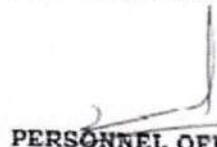
(A Govt. of Kerala Undertaking)
P.B. No. 5424, Mascot Square, Vikas Bhavan P.O.
Thiruvananthapuram - 695 033 Kerala, India
Phone : (0471) 2721243-45-48, Fax : 2721249
E-Mail : info@ktdc.com, Website : www.ktdc.com

26.08.2020

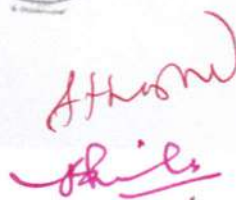
CERTIFICATE

This is to certify that **Smt. Bhagyashree Pillai**, doing M.Com in Govt. College for Women has successfully completed her Internship in the Accounts Section of the Corporate Office, Mascot Square, Thiruvananthapuram, from 16.09.2019 to 12.03.2020 in part fulfillment of the course.

During the period of training her character, conduct and performance were found Good.


PERSONNEL OFFICER





PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A



ESTD. 1959

Thiruvananthapuram Service Co-operative Bank Ltd.No.T.131**Head office: Press Road, Thiruvananthapuram – 695 001****Phone : 2330950, 2334463 Email: tscbt131@gmail.com**

Branches: Medical College, Typm-11 Valiyavila, Typm-6 Karamana, Typm-2 M.S.E. Typm-1 Sreekrishnam

Phones: 2443834

2361111

2341012

2339901

2598158

Neethi Medical Store Fort Ph: 2466551

Dated 05-10-2019

CERTIFICATE

This is to certify that Mrs. Athira.S M.com student from Govt.College for women, Tvm has done Internship in Thiruvananthapuram Service Co-Operative Bank, Valiyavila branch from 16-09-2019 to 01-10-2019. She has completed the Internship satisfactorily. During her association with us she was very keen and enthusiastic in her work.

For Thiruvananthapuram Service
Co-operative Bank Ltd. No. T.131

Affessed
Chills

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14

സംസ്കൃത ഭാഷാ മാനേജ്മെന്റ് ഡയറക്ടറേറ്റ്
 മലയാളം വിഭാഗം - 695 014 6436




CENTRE FOR MANAGEMENT DEVELOPMENT
 (An autonomous institution sponsored by the Government of Kerala)

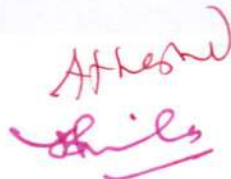
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Divyalal S.S., M.Com student of Govt. College for Women, Vazhutharad, Thiruvananthapuram, affiliated to the University of Kerala - candidate code No. 59018107014 has successfully completed the Summer Internship Training at Centre for Management Development, Thyeaud, Thiruvananthapuram for 12 days from 16/09/2019 to 01/10/2019, under my guidance and supervision. She studied the general activities of the organization. During the period of her Internship Programme with us, her conduct and character were good.

Thiruvananthapuram
 3rd August, 2020




 DIRECTOR


 PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-14

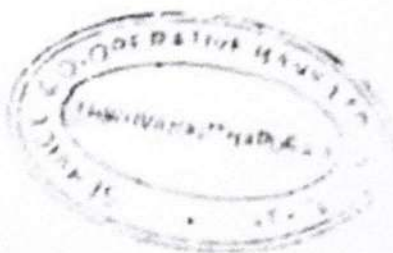


Since 1966
Thiruvananthapuram Service Co-operative Bank Ltd.No.T.131
 Head office: Press Road, Thiruvananthapuram - 695 001
 Phone - 2330000, 2334444 Email: tsb@tsb.coop.in
 Medical College, Puzh 11 Karpuram, Puzh 1 Karamala, Puzh 2 M & E, Puzh 1, Karamala
 Puzh 3 2342834 2342777 2341013 2330001 2330008
 Health Medical Store, Fort Pn. 2306551

Dated 05-10-2019

CERTIFICATE

This is to certify that Ms. Chinchu.G - M.com student from Govt.College for women, Trvn has done Internship in Thiruvananthapuram Service Co-Operative Bank, Valiyavila branch from 16-09-2019 to 01-10-2019. She has completed the Internship satisfactorily. During her association with us she was very keen and enthusiastic in her work.



For Thiruvananthapuram Service
Co-operative Bank Ltd. No. J. 131

Co-operative Bank Ltd. No. T. 131
Secretary

Attorney
Shirley

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



മനസ്സിൽ ഒന്നാകട്ടെ മുന്നേറട്ടെ
Thiruvananthapuram - 435 014, 46030



CENTRE FOR MANAGEMENT DEVELOPMENT
An autonomous institution sponsored by the Government of Kerala

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Mamatha V G, M.Com student of Govt College for Women, Vazhuthiacaud, Thiruvananthapuram, affiliated to University of Kerala - candidate code No. 5901810/016 has successfully completed the Summer Internship Training at Centre for Management Development, Thycad, Thiruvananthapuram for 12 days from 16/09/2019 to 01/10/2019, under my guidance and supervision. She studied the general activities of the organization. During the period of her Internship Programme with us, her conduct and character were good.

Thiruvananthapuram
3rd August, 2020

DIRECTOR

Attested
[Signature]

PRINCIPAL
GOVT. COLLEGE FOR WOMEN





Kerala State Handloom Weavers'
Co-operative Society Ltd. H.232

#2/1111/Hantex/O.N.380/2019

01.10.2019

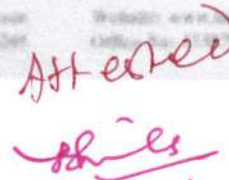
To Whomsoever it may concern

This is to certify that **Ms. Unnimaya S (Reg.No. 59018107021)** who is doing M.Cottu in Government College for Women, Thiruvananthapuram has done an Internship at Hantex. She has successfully completed the "Internship Programme at HANTEX" from 16.09.2019 to 01.10.2019 and submitted the report.

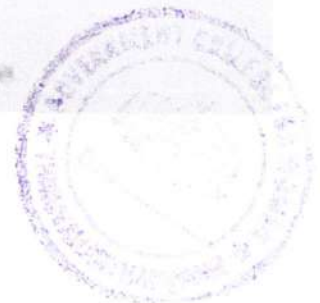



Finance Manager,
Hantex.

K.S. No. 64, Thiruvananthapuram - 695 001, Kerala, India
Website: www.hantexkerala.org
Phone: 0471 238514 FAX: 238508
E-Mail: hantex2011@gmail.com



PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





Kerala State Handloom Weavers' Co-operative Society Ltd. H.232

F2/H.O.Hantex/O.N-386/2018

01.10.2019

To Whomsoever it may concern

This is to certify that **Ms. Sonu Reji** (Reg.No. 59018107020) who is doing M.Com in Government College for Women, Thiruvananthapuram has done an Internship at Hantex. She has successfully completed the **"Internship Programme at HANTEX"** from 16.09.2019 to 01.10.2019 and submitted the report.

Finance Manager,
Hantex.



P.R. No. 61, Charyatnagar, Thiruvananthapuram - 695 001, Kerala, India
 E-mail: basu@basu.org or basu@basu.org or basu@basu.org
 Tel: +91-471 2380214 M: 93478 2380214 F: 93478 2380214
 Fax: +91-471 2380214 M: 93478 2380214 F: 93478 2380214
 Website: www.basu.org

PRINCIPAL
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EMBUDANANTHAPALAM, 14



INDOGRACE
PVT LTD

INDOGRACE ECOMMERCE PVT LTD

Kotapra International Apparel Park
Thumudi, Thiruvananthapuram
PIN: 562604/KL2017PTCD49979
info@indograce.com
9744719000
9744745454

Dated 5/10/2019

CERTIFICATE

This is to certify that Mrs. Amina S M.com student from Govt college for women, Tvtn has done Internship in Indograce Ecommerce Pvt Ltd from 16-9-2019 to 1-10-2019. She has completed the Internship satisfactorily. During her association with us she was very keen and enthusiastic in her work.



*Attested
Office*

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM 14





Kerala State Handloom Weavers'
Co-operative Society Ltd. H.232

F2/H.O Hantex/O.N-380/2018

01.10.2019

To Whomsoever it may concern

This is to certify that **Ms. Athira Anilkumar (Reg.No. 59018107010)** who is doing M.Com in Government College for Women, Thiruvananthapuram has done an Internship at Hantex. She has successfully completed the "Internship Programme at HANTEX" from 16.09.2019 to 01.10.2019 and submitted the report.


Finance Manager,
Hantex.



Athira
Chile

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM






Kerala State Handloom Weavers'
Co-operative Society Ltd. H.232

F2/H.O.Hantex/O.N-386/2018

01.10.2019

To Whomsoever it may concern

This is to certify that **Ms. Abhirami.S.P** (Reg.No. 59018107002) who is doing M.Com in Government College for Women, Thiruvananthapuram has done an Internship at Hantex. She has successfully completed the **"Internship Programme at HANTEX"** from 16.09.2019 to 01.10.2019 and submitted the report.


Finance Manager,
Hantex.



F.O. No. 44, Thiruvananthapuram - 695 001, Kerala, India
E-Mail: hantex@hantex.co.in Website: www.hantex.co.in
President: 91-471 118114 M.D: 2331236 FAX: 2335285


PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



PANGODE SERVICE CO-OPERATIVE BANK LTD. NO.: T 212

Pangode (P.O.), Thiruvananthapuram, 695 609

Ph: 0472-2869260. E-mail id: pact212@gmail.com Branch: Bharanasiroor.

President N. Babu

Secretary S. Prasad

CERTIFICATE

This is to certify that **Smt. ANOOJA G.**, M.Com. student of Govt. Women's College, Vazhuthacaud, Thiruvananthapuram, affiliated to University of Kerala candidate code no. 59018107006 has successfully completed the Summer Internship Training at **Pangode Service Co-Operative Bank** for 12 days from 16/09/2019 to 03/10/2019, under my guidance and supervision. She studied the general activities of the bank during the period of her internship programme with us, she was punctual, hard working and obedient.

Place: Pangode

Date: 03/10/2019


Secretary

Attested

PRINCIPAL
GOVT. WOMEN'S COLLEGE
VAZHUTHACAUD





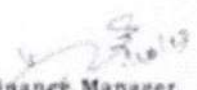
Kerala State Handloom Weavers'
Co-operative Society Ltd. H.232

CD/N.G.Hantex, G.N. 360/2019

01.10.2019

To Whomsoever it may concern

This is to certify that Ms. SIVASREE A S (Reg No. 59018107019) who is doing M.Com in Government College for Women, Thiruvananthapuram has done an Internship at Hantex. She has successfully completed the "Internship Programme at HANTEX" from 17.09.2019 to 01.10.2019 and submitted the report.


Finance Manager,
Hantex.



Attested
Principals

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM.14

TRIVANDRUM DIVISIONAL OFFICE OF SOUTHERN RAILWAY

Housing board, Thycaud, Thiruvananthapuram, Kerala - 695014

(GOVERNMENT OF INDIA)

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that RESMI RAJ S, student of Master of Commerce in Government College for Women varhuthacaud Thiruvananthapuram, has successfully completed 12 days of internship (from 16th September 2019 to 30th September 2019) in the Finance Department of this organisation. During the period of her internship programme with us, she was punctual, hardworking and inquisitive.

We wish all success in her future endeavours.

Dileep Kumar

For the Dy. Secy. to
DILEEP KUMAR, G.
ASST. DIVISIONAL FINANCE MANAGER
TRIVANDRUM DIVISIONAL OFFICE OF SOUTHERN RAILWAY
THYCAUD, THIRUVANANTHAPURAM - 695014

Assistant Divisional Finance Manager (ADFM)

Trivandrum Divisional Office of Southern Railway

Thycaud, Thiruvananthapuram.

Atheshw
Raj

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



TRIVANDRUM DIVISIONAL OFFICE OF SOUTHERN RAILWAY


Housing board, Thycaud, Thiruvananthapuram, Kerala- 695014

(GOVERNMENT OF INDIA)

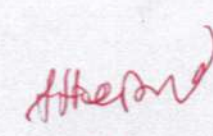

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Aathira.G.Nair, student of Master of Commerce in Government College for Women vazhuthacaud Thiruvananthapuram, has successfully completed 12 days of internship (from 16th September 2019 to 30th September 2019) in the Finance Department of this organisation. During the period of her internship programme with us, she was punctual, hardworking and inquisitive.

We wish all success in her future endeavours.


DILEEP KUMAR, D
ASST. DIVISIONAL FINANCE MANAGER
TRIVANDRUM DIVISIONAL OFFICE OF SOUTHERN RAILWAY
THYCAUD, THIRUVANANTHAPURAM-695014

Dileep Kumar
Assistant Divisional Finance Manager (ADFM)
Trivandrum Divisional Office of Southern Railway
Thycaud, Thiruvananthapuram.



PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



2018-2019

Attested
Shile

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



SYNTHESIS OF BIPYRIDINE - VIologen LIGANDS AND METAL COMPLEXES FOR ELECTROCHROMIC APPLICATIONS

A project report submitted to

University of Kerala

In partial fulfillment for the award of the degree of
**Master of Science in
CHEMISTRY**

By

SRUTHI KRISHNA S.

Reg No: 635 17107013

DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



Under the supervision of

Dr. SREEJITH SHANKAR



Photochemicals and Photonics Section

Chemical Sciences and Technology Division

CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)

Thiruvananthapuram 695019

2019

राष्ट्रीय अंतर्विषयी विज्ञान तथा प्रौद्योगिकी संस्थान
वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
इन्टरमिडिएट एंड एच. ए. कॉम्प्लेक्स, थिरुवनन्तपुरम, भारत - 695 019

NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY (CSIR - NIIST)
Council of Scientific and Industrial Research
Industrial Estate P.O., Pappanamcode, Thiruvananthapuram, India - 695 019

डॉ. श्रीजित शंकर पी. पी एच डी
रामानुजन फेलो & असिस्टेंट प्रोफेसर, ए सी एस आई आर



Dr. Sreejith Shankar P., PhD
Ramanujan Fellow & Assistant Professor, CSIR

CERTIFICATE

This is to certify that the results presented in the thesis entitled "Synthesis of Bipyridine - Viologen Ligands and Metal Complexes for Electrochromic Applications" was carried out by Ms. Sruthi Krishna S. (Reg No. 635 17107013), Department of Chemistry, Government College for Women, Thiruvananthapuram, under my supervision at the Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram. The present work has not been submitted to any other university or institution for the award of any degree or diploma.

[Signature]
16.09.2019
Dr. Sreejith Shankar
Project Supervisor


Attested
[Signature]
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



GOVERNMENT ARTS AND SCIENCE COLLEGE NADAPURAM
VANIMEL P.O KOZHIKOD-673506. Website: www.governmentcollegenadapuram.ac.in
DEPARTMENT OF PSYCHOLOGY
DUTY CERTIFICATE

Certify that Mr/Mrs/Ms/Dr. SHIJU JOSEPH attended as a
resource person / participant on 10-1-2019, 11-1-2019 in the Two Day National
Seminar 'Dynamics of Indian Society: A Psychological Exploration' at the college sponsored by
Directorate of Collegiate Education, Govt. of Kerala and organised by Department of Psychology,
Government Arts and Science College, Nadapuram on 10th & 11th January 2019.

Place: Nadapuram
Date: 11-1-2019


Principal

POCO
SHOT ON POCO F1

Attested
Shiju
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



GOVT. COLLEGE FOR WOMEN
 (Re-Accredited with 'A' Grade by NAAC)
THIRUVANANTHAPURAM
 Tel: 0471-2324986 (Off) Fax: 0471-2333496
 www.gcwtrivandrum.com, Email: gcwtpm@gmail.com

No. A2/4129/2018 GCW

Dated: 06/02/2019

JOINING REPORT

- Ref: 1. Letter No. A3/3511/2018/UC. dated, 30/01/2019 from the Principal,
 Govt. University College, Thiruvananthapuram.
 2. Request dated: 02/02/2019 from Sukanya. J.K.

As per the reference cited above, **Sukanya. J.K.**, M. Phil Student,
 Department of Philosophy, University College, Palayam, Thiruvananthapuram
 joined the Govt. College for Women with effect from the FN of 02/02/2019 for
 doing internship of Aspire Scholarship.



PRINCIPAL

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GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-685014

Labula
Dr. P. Labula
Head, Dept. of Philosophy,
Govt. U.C.

L. Vijay
Dr. L. Vijay
 Mentor ASPIRE
 Scholarship

Dr. L. VIJAY
 Assistant Professor
 Department of Philosophy
 Government College for Women
 Thiruvananthapuram - 685 014

Attest
Chin

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 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-685014



Appendix-II

PROJECT COMPLETION CERTIFICATE
(FOR ASPIRE SCHOLARSHIP - 2018-19)

This is to certify that Srikum SUKANYA J. K. MPHIL, student of UNIVERSITY COLLEGE,

THIRUVANANTHAPURAM, affiliated to University of Kerala, Palayam, has successfully completed his/her

Aspire Scholarship Project/Internship entitled, "Nature of Consciousness: An Inquiry Into The Subjective Idealism of

Yogacara School of Buddhism", within the stipulated month(s) from 02/02/2019, to 02/04/2019 under the guidance of

Prof/Dt. Viji of Government College for Women, Thiruvananthapuram, affiliated to our University of Kerala,

Palayam) institution



Name & Designation

(Signature of the Head Institution)

Assistant Professor

Department of Philosophy

Thiruvananthapuram - 695 014

(Principal/Head Institution)

PRINCIPAL

UNIVERSITY COLLEGE

THIRUVANANTHAPURAM, KERALA

End 1) Project Report

(Attendance certificate from parent/guardian for notification dated ...)

Approved

Principal

GOVT. COLLEGE FOR WOMEN

THIRUVANANTHAPURAM, KERALA



Mental Health Centre
Peroorkada, P.O.,
Thiruvananthapuram
PIN- 695 005
Phone: 0471 - 2433868, 2432689
Fax: 0471- 2433868, 2435639
e-mail : mhctvpm@gmail.com

Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TVPM

02..07..2019

CERTIFICATE

This is to certify that *Ms. Jilu Mary Luke* M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



[Signature]
Dr. SAGAR T.
SUPERINTENDENT
SUPERINTENDENT
Mental Health Centre
Peroorkada
Thiruvananthapuram
Pin: 6950

[Handwritten signature]

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



NIMS
NOORUL ISLAM INSTITUTE OF MEDICAL SCIENCE (NIMS) & RESEARCH FOUNDATION
The Last Word in Patient Care
NIMS MEDICITY, Aralummoodu, Neyyattinkara, Thiruvananthapuram - 695 123
E-mail: nimsmedicity@gmail.com Website: www.nimshospital.com
A UNIT OF N.I. EDUCATIONAL TRUST

25/05/2019

Sr. / Madam

Ms. Lakshmi S. Kumar,

Student of Bsc Psychology 4th sem. has
successfully completed her 1 month
internship programme from the Dept. of
Psychology & Psychiatry under my supervision
and guidance.



[Signature]
Beena - V.S.
Psychologist

Affected
Chiles

GOVERNMENT COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



**BETHSADA
HOSPITAL**

VENGOLA, PERUMBAVOOR, ERNAKULAM DIST. KERALA, PIN - 683 556

Phone : 0484 2523466
2529851

Email : bethsadahospital@gmail.com

Web : www.bethsadahospital.com

KERALA STATE MENTAL HEALTH AUTHORITY

License NO 7

30-04-2019

TO WHOM SO EVER IT MAY CONCERN


This is to certify that Ms Neha Elizabeth Eldho, BSc(Psychology), 4th semester student, Govt. College for Women, Thiruvananthapuram has undergone clinical internship in our institution during the period from 02-04-2019 to 30-04-2019 under the guidance of our Chief Psychiatrist. During this period she was given an orientation about different aspects of mental status examination, policies, programs and activities of the agency, group therapy, behavioral therapy, role of mental health professionals in a clinical setting etc.

Bethsada Hospital is a 100 bedded Mental Health Center with acute care, de-addiction, geriatric and dementia care units and a rehabilitation unit. This hospital is approved by Indian Nursing Council and Kerala Nursing Council as a training centre for General Nursing and Midwifery, BSc Nursing, MSc Nursing (Psychiatry), MSW and MA (Psychology) students from institutions affiliated to different Universities of India.

Her character and conduct are good.

We wish all success in her future endeavors




Administrator
Administrator / Director
Bethsada Hospital

Attest
Shirley

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





Ministry of Education, Government of Oman
 Higher Education Services
 P.O. Box 1248
 Muscat, Sultanate of Oman
 Tel: +968 22555442
 Fax: +968 22555293

10 June 2019

This is to certify that NOORAAQTHAR MUHAMMEDALI interned at OurPlanet International School, an IB World School, in Muscat, Oman, for the month of May 2019.

During her time at OurPlanet International School, Noora worked under the guidance of the Learning Support Consultant. She was briefed on student profiles, their strengths and challenges, and support strategies. Noora assisted with student observations, in-class support in both Early Years and Primary Years classes, and attended learning support team meetings.

Noora was always up for a challenge and did not shy away from taking on new unfamiliar tasks. She contributed positively during her time here, and it was a pleasure having her at our school.

Sincerely,

Yvonne Sequeira

Yvonne Sequeira
 Learning Support Consultant

Tim Sloman


Tim Sloman
 Principal

Shirley

PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-18



Phone: +914812573699
2573845
2573745

 **TRADA** Integrated Rehabilitation Centre for Addicts (IRCA)
(Total Response to Alcohol & Drug Abuse)
(Reg No K 523/87)
E-mail: trainingtrada@gmail.com; tradairca@gmail.com
Website: www.tradakottayam.in

Manganam P.O.,
Kottayam-686 018
Kerala, India
(NABH Accredited)

Sr. Rev. Thomas K. Dommien
Chairman & President


Mr. Jacob Muriken
Vice Chairman & Vice President

Sr. Dr. Joan Chunkapura, M.M.S.
Secretary

TO WHOMSOEVER IT MAY CONCERN

This is to certify that as part of curriculum requirement, **Parvathy K.S.**, IV Semester B.Sc. Psychology student of Govt. College for Women, Trivandrum has undergone one month summer internship training programme at our De-addiction Center during the period from 10/4/2019 to 21/5/2019. During this period she has attended our various lectures and therapeutic programmes. She was also actively involved in the various ward activities of TRADA such as community meetings, group meetings and other various psycho-social treatment programmes. She has also conducted Psychological assessment tests for the patients during the tenure of her training here. She has been an earnest student and her performance during the training here was good.

21/5/2019


Sr. Dr. Joan Chunkapura
Secretary



Attested
Principals

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
TRIVANANTHAPURAM-14




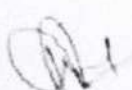


EXPERIENCE CERTIFICATE

This is to certify that **Ms. Gayathri Devi J. S.** BSc. Psychology, Govt College for Women, Vaidhathurai P.O., Tiruvanduram, underwent training in the **Short-Term Internship Programme of MHAT** from **01.04.2019** to **30.04.2019**. Her training included participating in home visits, psychosocial assessments and management of patients and families with a variety of mental illness in the community, working with community volunteers for the rehabilitation of patients and observing the day care activities and case supervision groups.

During her tenure, she was hard working, sincere and with above average knowledge of the field. She participated actively in classes on Basics of Community Mental Health, Case History taking and Mental Status examination, Neuritic and stress related disorders, Psychotic and organic disorders, Psychosocial assessment and Mental disorders and Classification systems, which were conducted by experienced Psychiatrists and Clinical Psychologists of MHAT. She maintained a cordial relationship with her colleagues, staff and patients. She was able to adapt well to working in a variety of community situations and got along very well with everyone. We wish her good luck in her future endeavours.


Dr. J. Manoj Kumar DPM, MD, FRCPsych
Clinical Director, MHAT


Mrs. Rekha Bose, M Phil
Clinical Psychologist and Head
Department of Clinical Psychology,
MHAT



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GOVT. COLLEGE FOR WOMEN
"KIRIVANDHAPURAM-10"




mhat
Mental Health Action Trust

Mental Health Action Trust
A Registered Charity No. 263776, England
Charity No. 1130508, Scotland
Tel: 0444 2300 10X, 9859 997 007, 8269 097 007
www.mhatrust.org.uk info@mhatrust.org.uk


EXPERIENCE CERTIFICATE

This is to certify that **Ms. Megha D Prasad, BSc, Psychology, Govt College for Women, Vazhuthasal P.O, Thruvananthapuram**, underwent training in the **Short-Term Internship Programme of MHAT** from **01/04/2019 to 10/04/2019**. Her training included participating in home visits, psychosocial assessments and management of patients and families with a variety of mental illness in the community, working with community volunteers for the rehabilitation of patients and observing the day care activities and case supervision groups.

During her tenure, she was hard working, sincere and with above average knowledge of the field. She participated actively in classes on Basics of Community Mental Health, Case History taking and Mental Status examination, Neurotic and stress related disorders, Psychotic and organic disorders, Psychosocial assessment and Mental disorders and Classificatory systems, which were conducted by experienced Psychiatrists and Clinical Psychologists of MHAT. She maintained a cordial relationship with her colleagues, staff and patients. She was able to adapt well to working in a variety of community situations and got along very well with everyone. We wish her good luck in her future endeavors.



Dr T Manoj Kumar DPM, MD, FRCPsych
Clinical Director, MHAT



Mrs. Rekha Bose, M Phil
Clinical Psychologist and Head
Department of Clinical Psychology,
MHAT



**ASHOKA
FELLOW**





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THIRUVANANTHAPURAM-14




Mental Health Action Trust

A Registered Charity No. 1047080, 15/05/2018

Opp. KSZ Dispensary, Mannavan, New Road, Chitlapada, Thrissur, Kerala 686 012

Tel: 0495 2300 103, 9557 997 007, 6089 997 007

e-mail: mhatindia@gmail.com www.mhatindia.org

EXPERIENCE CERTIFICATE

This is to certify that **Ms. Bhagya Lakshmi**, BSc. Psychology, Govt College for Women, Vazhuthacaud P.O., Trivandrum, underwent training in the **Short-Term Internship Programme of MHAT** from **01/04/2019** to **30/04/2019**. Her training included participating in home visits, psychosocial assessments and management of patients and families with a variety of mental illness in the community, working with community volunteers for the rehabilitation of patients and observing the day care activities and case supervision groups.

During her tenure, she was hard working, sincere and with above average knowledge of the field. She participated actively in classes on Basics of Community Mental Health, Case History taking and Mental Status examination, Neurotic and stress related disorders, Psychotic and organic disorders, Psychosocial assessment and Mental disorders and Classificatory systems, which were conducted by experienced Psychiatrists and Clinical Psychologists of MHAT. She maintained a cordial relationship with her colleagues, staff and patients. She was able to adapt well to working in a variety of community situations and got along very well with everyone. We wish her good luck in her future endeavors.

Dr T Manoj Kumar DPM, MD, FRCPsych
Clinical Director, MHAT

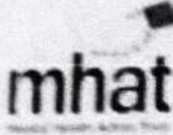
Mrs. Rekha Bose, M Phil
Clinical Psychologist and Head
Department of Clinical Psychology,
MHAT



Attested
Chills

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THIRUVANANTHAPURAM-12





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 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

EXPERIENCE CERTIFICATE

This is to certify that Ms. Sreedevi J. BSc. Psychology, Govt College for Women, Thiruvananthapuram P.O. Thiruvananthapuram, underwent training in the Short-Term Internship Programme of MHAT from 01-04-2019 to 30-04-2019. The training included participating in home visits, psychosocial assessments and management of patients and families with a variety of mental illness in the community, working with community volunteers for the rehabilitation of patients and observing the day care activities and case supervision groups.

During her tenure, she was hard working, sincere and with above average knowledge of the field. She participated actively in classes on Basics of Community Mental Health, Case histories taking and Mental Status examination, Neurotic and stress related disorders, Psychotic and organic disorders, Psychosocial assessment and Mental disorders and Classification systems, which were conducted by experienced Psychiatrists and Clinical Psychologists of MHAT. She maintained a cordial relationship with her colleagues, staff and patients. She was able to adapt well to working in a variety of community situations and got along very well with everyone. We wish her good luck in her future endeavours.

Dr T Manoj Kumar DPM, MD, FRCPsych
Clinical Director, MHAT

Mrs. Rekha Bose, M.Phil.
Clinical Psychologist and Head
Department of Clinical Psychology,
MHAT



Attest ed
Shilpa

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14







EXPERIENCE CERTIFICATE

This is to certify that **Ms. Greeshma Ghosh**, BSc Psychology, Govt College for Women, Vazhuthacaud P.O. Trivandrum, underwent training in the **Short-Term Internship Programme of MHAT** from **01/04/2019** to **30/04/2019**. Her training included participating in home visits, psychosocial assessments and management of patients and families with a variety of mental illness in the community, working with community volunteers for the rehabilitation of patients and observing the day care activities and case supervision groups.

During her tenure, she was hard working, sincere and with above average knowledge of the field. She participated actively in classes on Basics of Community Mental Health, Case History taking and Mental Status examination, Neurotic and stress related disorders, Psychotic and organic disorders, Psychosocial assessment and Mental disorders and Classificatory systems, which were conducted by experienced Psychiatrists and Clinical Psychologists of MHAT. She maintained a cordial relationship with her colleagues, staff and patients. She was able to adapt well to working in a variety of community situations and got along very well with everyone. We wish her good luck in her future endeavors.


Dr T Manoj Kumar DPM, MD, FRCPsych
Clinical Director, MHAT


Mrs Rekha Bose, M Phil
Clinical Psychologist and Head
Department of Clinical Psychology,
MHAT



Attested
[Signature]

PRINCIPAL





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Copp. No. 151 of 1999, Madhavaram, North, Chennai - 600 030
Tel: 0495 2500 105, 9539 997 007, 9069 997 007
Email: mhatindia@gmail.com www.mhatindia.org

EXPERIENCE CERTIFICATE

This is to certify that **Ms. Neeraja R.** BSc Psychology, Govt College for Women, Vazhathacaud P.O., Trivandrum, underwent training in the **Short-Term Internship Programme of MHAT** from **01/04/2019** to **30/04/2019**. Her training included participating in home visits, psychosocial assessments and management of patients and families with a variety of mental illness in the community, working with community volunteers for the rehabilitation of patients and observing the day care activities and case supervision groups.

During her tenure, she was hard working, sincere and with above average knowledge of the field. She participated actively in classes on Basics of Community Mental Health, Case History taking and Mental Status examination, Neurotic and stress related disorders, Psychotic and organic disorders, Psychosocial assessment and Mental disorders and Classificatory systems, which were conducted by experienced Psychiatrists and Clinical Psychologists of MHAT. She maintained a cordial relationship with her colleagues, staff and patients. She was able to adapt well to working in a variety of community situations and got along very well with everyone. We wish her good luck in her future endeavors.



Dr. T Manoj Kumar DPM, MD, FRC Psych
Clinical Director, MHAT



Mrs. Rekha Bose, M Phil
Clinical Psychologist and Head
Department of Clinical Psychology,
MHAT



ASHOKA
FELLOW



MENTAL HEALTH ACTION TRUST



PRINCIPAL
GOVT. COLLEGE FOR WOMEN
CHIRUVANANTHAPURAM-14



GOVERNMENT COLLEGE FOR WOMEN
CHIRUVANANTHAPURAM



KARNATAKA SOCIAL SERVICE MISSION

No. 196/2019-SSM/HR/1118


Channarayana Nagar, Mysore.

Dated: 28.05.2019.

INTERNSHIP CERTIFICATE

This is to certify that Kamini Archana Babu, 1st semester B.Sc. Psychology, Govt. College for Women, Channarayana Nagar has successfully completed her Internship during the period 04.04.2019 to 01.05.2019 in the Head Office of Karnataka Social Service Mission, Channarayana Nagar, Mysore.


Executive Director

Attested


PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 CHANNARAYANA NAGAR-18

Head Floor, Day Care Center for Aged, Social Welfare Institutional Complex,
 Channarayana Nagar - 570017, Channarayana Nagar, Mysore.



KERALA SOCIAL SECURITY MISSION


No: P6/3138/2019/KSSM

Thiruvananthapuram,
Dated 06.05.2019.

INTERNSHIP CERTIFICATE

This is to certify that Kumari Santhy Krishna, 4th semester B.SC. Psychology, Govt.College for Women, Trivandrum has successfully completed her Internship during the period 04/04/2019 to 03/05/2019 in the Head Office of Kerala Social Security Mission, Poojappura, Thiruvananthapuram.




Executive Director.

Attended
Wiley

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



IIInd Floor, Day Care Centre for Aged, Social Welfare Institutional Complex.



KARUNASAI
DE-ADDICTION & MENTAL HEALTH RESEARCH INSTITUTE
Vellacaud, Thiruvananthapuram 695 543, Kerala
Web: www.karunasai.in, Mail: karunasai@rediffmail.com
Tel: +91 472 2853850, 401 0808830/75

Date: 16/05/2019

INTERNSHIP CERTIFICATE

This is to certify that **Ms. Abhirami Nair S.** a bonafide student of Government College of Women, Vazhuthacaud, Trivandrum pursuing her 4th Semester B Sc. Psychology has attended the internship programme at **Karunasai De-Addiction & Mental Health Research Institute** in the months of **April & May 2019** (20 Working Days) and she has successfully completed the Internship Program.

For **KARUNASAI DE-ADDICTION &
MENTAL HEALTH RESEARCH INSTITUTE**



MANAGER

*Attested**Principals*

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A



LOKA SAMASTHA SUKHINO BHAVANTHU



KARUNASAI

DE-ADDICTION & MENTAL HEALTH RESEARCH INSTITUTE

Velland, Thiruvananthapuram-695 543, Kerala

Web: www.karunasai.com, Mail: karunasai.tytm@gmail.com

Tel: +91 472 2883856, +91 9995853075

Date: 10/15/2019

INTERNSHIP CERTIFICATE

This is to certify that Ms. Reshma Jyothi S. a bonafide student of Government college of Women, Vazhuthacaud, Trivandrum pursuing her 4th Semester B Sc. Psychology has attended the internship programme at **Karunasai De-Addiction & Mental Health Research Institute** in the month of **April & May 2019** (20 Working Days) and she has successfully completed the Internship Program.

For KARUNASAI DE-ADDICTION &
MENTAL HEALTH RESEARCH INSTITUTE



MANAGER

PRINCIPAL

GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





KARUNASAI

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Tel: +91 472 2883856, +91 9995854075

Date: 10/5/2019

INTERNSHIP CERTIFICATE

This is to certify that **Ms. Krishna Veni M.S.**, a bonafide student of Government college of Women, Vazhuthacaud, Trivandrum pursuing her 4th Semester B.Sc. Psychology has attended the internship programme at **Karunasai De-Addiction & Mental Health Research Institute** in the month of **April & May 2019** (20 Working Days) and she has successfully completed the Internship Program.

For **KARUNASAI DE-ADDICTION & MENTAL HEALTH RESEARCH INSTITUTE**



MANAGER

PRINCIPAL

GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A



**WELLNESS CLINIC**

Licensed Clinical Psychologists and Special Educators

58, Thiruvananthapuram Road, Behind Kalathur Theatre, Calicut
+91 985 401 6444 +91 9782 140 971 wellnessclinic@gmail.com

Ref: WCIC118-19/05

Date: 31/05/2019

Internship Completion Certificate

This is to certify that **Ms. Gopika P** has successfully completed one month (May 2019) internship programme at **Wellness Clinic**, Calicut under the supervision of licensed Clinical Psychologists.

During her internship period, Ms. Gopika P has been exposed to administration of various Psychometric tests and conduction of Remedial training for Learning Disabled Children. She has also met work objectives sincerely. The intern has been punctual, hardworking and inquisitive throughout the period.



Shahul Hameed
Director
Wellness Clinic
Calicut

Attested
Shirley

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THIRUVANANTHAPURAM-14



NISH

NATIONAL INSTITUTE OF SPEECH & HEARING

An autonomous organization under the Higher Education Department, Government of Kerala

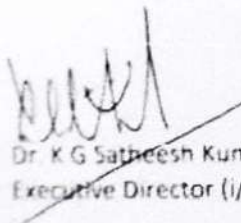
Recognized as a Level 1 institution by FET / 1021/9031/2015, Certified / Accredited by NAAC with A Grade

Ref: NISH/903/25

2 May 2019

INTERNSHIP CERTIFICATE

- | | |
|------------------------------------|--|
| 1. Name | Ms. Sneha A Manuel |
| 2. Designation | Intern |
| 3. Department | Department of Psychology |
| 4. Period of Association with NISH | From: 01 April 2019 To: 02 May 2019 |
| 5. Duties handled/tasks assigned | <p>Observation of psychological assessment.</p> <p>Observation and intervention in the following:</p> <p>Vineland Social Maturity Scale (VSMS)</p> <p>Seguin Form Board Test (SFB)</p> <p>NIMHANS Index for Specific Learning Disabilities (NIMHANS SLD)</p> <p>Dyslexia Screening Test – Junior (DST-J)</p> <p>Wechsler Non Verbal Scale of Ability (WNV)</p> <p>Wechsler Abbreviated Scale of Intelligence (WASI II)</p> <p>Conner's Rating Scale</p> <p>Group Intervention for children with Cerebral Palsy and Global Developmental Delay.</p> <p>Multidisciplinary Group Intervention for children with Sensory Motor and Cognitive issues</p> <p>Active team member for the 5 day camp 'Cognitive Canny Kids' for children with learning disability.</p> |
| 6. Type of work | Internship |


 Dr. K G Sathesh Kumar
 Executive Director (I/c)

Attested
Chiles
 PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 CHOVANATHANUR, TA





Mental Health Centre
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e-mail: mhctrvm@gmail.com

Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TVPM

20.06.2019

CERTIFICATE

This is to certify that *Ms.Sruthy A S*, MSc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019 (53 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T.
SUPERINTENDENT

SUPERINTENDENT
Mental Health Centre
Peroorkada
Thiruvananthapuram
Pin: 695005

Health Services Department, Government of Kerala

Att ester

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THIRUVANANTHAPURAM-14



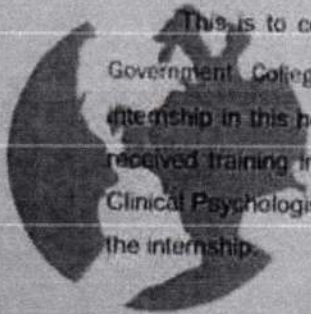


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Mental Health Centre, Thiruvananthapuram
No.Acd.3143/2015/MHC/TVPM

20.06.2019

CERTIFICATE



This is to certify that *Ms. Anseena Ashraf*, M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019 (49 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T.
SUPERINTENDENT

SUPERINTENDENT
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Pooorkada
Thiruvananthapuram
Pin: 695005

Health Services Department, Government of Kerala

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[Signature]

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THIRUVANANTHAPURAM



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No And-3143/2015/MHC/TPM


20.06.2019

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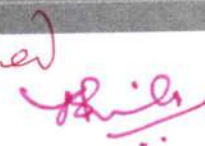


This is to certify that *Ms. Sneha Sambath P.V.*, M.Sc. Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019 (50 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.




Dr. SAGAR T.
SUPERINTENDENT
SUPERINTENDENT
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Periorkada
Thiruvananthapuram
Pin: 695005

Health Services Department, Government of Kerala

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THIRUVANANTHAPURAM-14



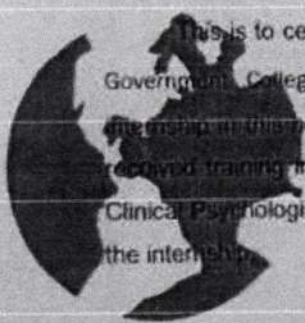


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email: mhctvm@gmail.com

Mental Health Centre, Thiruvananthapuram
No. Acd-3143/2015/MHC/TVPM

20.06.2019

CERTIFICATE



It is to certify that *Ms. Akshara Sudarshan*, M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019 (52 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T.
SUPERINTENDENT

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Mental Health Centre
Percorkada
Thiruvananthapuram
Pin: 695005

Health Services Department, Government of Kerala

Attested
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Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TVPM

20.06.2019

CERTIFICATE

This is to certify that *Ms. Anooja R*, M.Sc Psychology student from Government College for Women, Varthuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019 (52 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



DE.SAGAR T.
SUPERINTENDENT

SUPERINTENDENT
Mental Health Centre
Percorkada
Thiruvananthapuram
Pin. 695005

Health Services Department, Government of Kerala

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GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



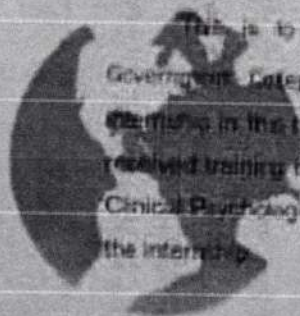


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Email: mhcentre@vsnl.com

Mental Health Centre, Thiruvananthapuram
No.Acd 3143/2015/MHC/TVPM

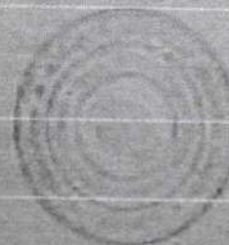
02.07.2019

CERTIFICATE



This is to certify that **Mr. Arya P T** M.Sc Psychology student from Government College for Women, Veliuthi Road, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

Signature of the
Superintendent



D. SAGAR P.
SUPERINTENDENT
SUPERINTENDENT
Mental Health Centre
Thiruvananthapuram
Pin 695 001

Health Services Department, Government of Kerala

After her
office

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-10





Mental Health Centre
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e-mail: mhct@psgmh.com

Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TYPM

02.07.2019

CERTIFICATE

This is to certify that Ms. Chenkathir Arya, M.Sc Psychology student from Government College for Women, Vazhothacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

Dr. SAGAR T
SUPERINTENDENT

Health Services Department, Government of Kerala

Attended
Chenka

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





Mental Health Centre
Peruvattur P.O.
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e-mail: mhctvm@gmail.com

Mental Health Centre, Thiruvananthapuram
No Aod 3143/2015/MHC/TVPM

02.07.2019

CERTIFICATE

This is to certify that *Ms. Fathima Banu C A*, M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T
SUPERINTENDENT

Health Services Department, Government of Kerala

Attested
[Signature]
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THIRUVANANTHAPURAM-14





Mental Health Centre
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Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TVPM

02.07.2019

CERTIFICATE

This is to certify that *Ms. Ganga Mohan*, M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

Dr SAGAR T.
SUPERINTENDENT

Mental Health Centre
Pazhakkada
Thiruvananthapuram
PIN- 695 005

Health Services Department, Government of Kerala

Attended
[Signature]
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GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM, 18





Mental Health Centre,
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Mental Health Centre, Thiruvananthapuram
No.Acd/3143/2015/MHC/TVPM

02.07.2019

CERTIFICATE

This is to certify that *Ms. Heema Das R* M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T.
SUPERINTENDENT

MENTAL HEALTH CENTRE
Pazhuvada
Thiruvananthapuram
PIN: 695005

Health Services Department, Government of Kerala

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GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



Mental Health Centre
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e-mail: mhctrvm@rediffmail.com

Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TPM

02.07.2019

CERTIFICATE

This is to certify that **Ms. Kaveri T S** M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T
SUPERINTENDENT

Dr. Sagar T
Psychiatrist
Thiruvananthapuram
Pin-695005

Health Services Department, Government of Kerala

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





Mental Health Centre
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Email: mhctvp@gmail.com

Mental Health Centre, Thiruvananthapuram
No. AC-3143/2015/MHC/TVPM

02.07.2019

CERTIFICATE

This is to certify that **Ms. Seethal Shyama S S** M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

Dr. SAGAR T.
SUPERINTENDENT

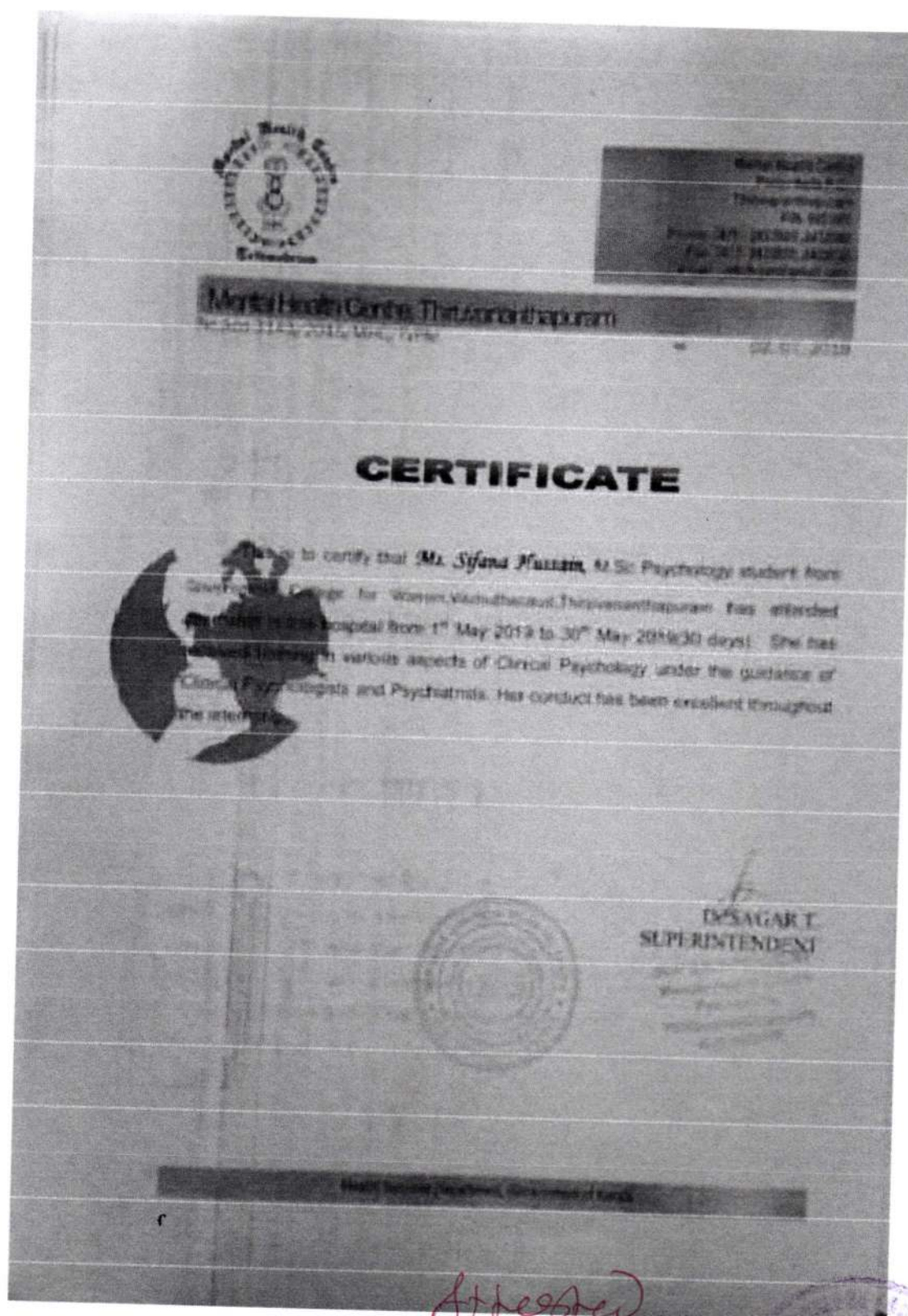


Health Services Department, Government of Kerala

Handwritten signature in red ink.

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A






Attested
Shirley

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A






Mental Health Centre, Thiruvananthapuram
No. A-3 3343, 2023, VMC, T-198

Mental Health Centre
Thiruvananthapuram
Phone: 94471 24000, 94471 24001
Email: mhcentre@vsnl.com

CERTIFICATE

This is to certify that **Ms. Sneha Liz Philip**, M.Sc Psychology student from Government College for Women, Thiruvananthapuram has attended internship at this hospital from 1st May 2019 to 30th May 2019 (30 days). She has learned various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

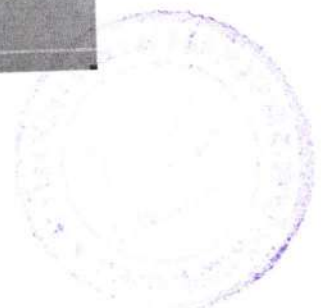


Dr. SAGAR I
SUPERINTENDENT
Mental Health Centre
Thiruvananthapuram

Principal
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-16

Attested
[Signature]

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-16





Mental Health Centre
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E-mail: mhctvm@gmail.com

Mental Health Centre, Thiruvananthapuram
No.A03-3143/2015/MHC/TVPM

02.07.2019

CERTIFICATE

I am pleased to certify that *Ms. Sreelekshmi S B*, M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended her internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

Dr SAGAR T
SUPERINTENDENT

Health Services Department, Government of Kerala

Attested
[Signature]
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GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





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 e-mail: mhctvpm@gmail.com

Mental Health Centre, Thiruvananthapuram
 No.Acd-3143/2015/MHC/TVPM

02.07.2019

CERTIFICATE

This is to certify that Ms. Aiswarya M. M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T
SUPERINTENDENT

SUPERINTENDENT
 Mental Health Centre
 Perumkuda
 Thiruvananthapuram
 Pin- 695 005

Health Services Department, Government of Kerala

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Shree

PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM





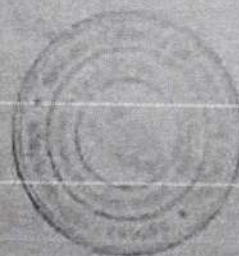
Mental Health Centre
P.O. Box 605
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e-mail: mhctvpm@gmail.com

Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TVPM

02.07.2019

CERTIFICATE

This is to certify that *Ms. Aparna S*, M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st May 2019 to 30th May 2019 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T.
SUPERINTENDENT

SUPERINTENDENT
Mental Health Centre
Thiruvananthapuram
PIN- 695 001

Health Services Department, Government of Kerala

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THIRUVANANTHAPURAM-14



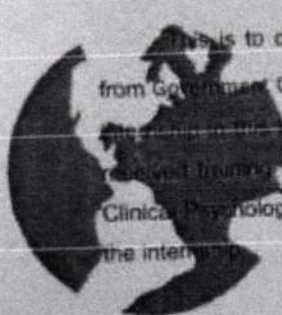


Mental Health Centre
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 PIN- 695 005
 Phone: 0471 - 2433868, 2432689
 Fax: 0471 - 2433868, 2435639
 e-mail: mhctvpm@gmail.com

Mental Health Centre, Thiruvananthapuram
 No.Acd-3143/2015/MHC/TVPM

20.06.2019

CERTIFICATE



This is to certify that *Ms. Krishna Prabha A R* M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019 (41 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

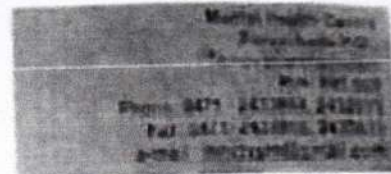


[Signature]
Dr. SAGAR T.
 SUPERINTENDENT
 SUPERINTENDENT
 Mental Health Centre
 Perookada
 Thiruvananthapuram
 Pin: 695005

[Signature]
[Signature]

PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-14





Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TVPM

20.06.2019

CERTIFICATE

This is to certify that *Ms. Praveena Raj I* M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019 (48 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T.
SUPERINTENDENT

SUPERINTENDENT
Mental Health Centre
Pernorkada
Thiruvananthapuram
Pin: 895005

Health Services Department, Government of Kerala

Attended this

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GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A



Mental Health Centre, Thiruvananthapuram

No.Acd-3143/2015/MHC/TVPM

20.06.2019

CERTIFICATE

This is to certify that *Ms.Dhanuja M S*, M.Sc Psychology student from Government College for Women,Vazhuthacaud,Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019(52 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr.SAGAR T.
SUPERINTENDENT
SUPERINTENDENT
Mental Health Centre
Peroorkada
Thiruvananthapuram
Pin: 685005

Health Services Department, Government of Kerala

Attested
Shilpa

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
Vazhuthacaud, Thiruvananthapuram





Mental Health Centre
Peronekkal P.O.
Thiruvananthapuram
Pin- 695 005
Phone: 0477-243355, 243356
Fax: 0477-243355, 243356
e-mail: mhctvm@gmail.com

Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2015/MHC/TVPM

20.06.2019

CERTIFICATE

This is to certify that *Ms. Vyshnavi V.M* M.Sc Psychology student from Government College for Women, Vazhuthacaud, Thiruvananthapuram has attended internship in this hospital from 1st April 2019 to 31st May 2019 (53 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.



Dr. SAGAR T.
SUPERINTENDENT

SUPERINTENDENT
Mental Health Centre
Peronekkal
Thiruvananthapuram
Pin

Health Services Department, Government of Kerala

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





INSTITUTE FOR COMMUNICATIVE AND COGNITIVE NEUROSCIENCES (ICCONS)

(Under Society for Rehabilitation of Cognitive and Communicative Disorders Reg. No. T 460/96)
(An autonomous Institute under Govt. of Kerala)

Near Chest Hospital, Thiruvickal P.O. Pulayanarkotta, Thiruvananthapuram-695 011
Phone: 0471-6066061 E-mail: iccons@asianetindia.com Website: www.iccons.co.in

Certificate of Internship

This is to certify that Ms. Samkhili P., Fourth Semester M.Sc Psychology student (School Psychology Specialization) of Government College for Women, Trivandrum has completed internship at the Institute for Communicative and Cognitive Neurosciences (ICCONS), Trivandrum, for a two months period from April 1st to May 31st 2019. During internship period the candidate has undergone postings for clinical observation at the Departments of Psychology, Medicine, Physiotherapy, Speech Language Pathology and Clinical Linguistics. She has also attended Clinical postings in the Department of Psychology under my guidance and supervision, which includes systematic observation and familiarization of Case History taking, conducting Psychological assessments including basic screening tests- Seguin Form Board (SFB) test, Tests of adaptive functioning- Vineland Social Maturity Scale (VSMS), Intelligence testing- Wechsler Intelligence Scale for Children-IV^{INDIA} (WISC-IV)^{INDIA} and parental counseling. She has also undergone hands on training in conducting intelligence tests of WISC-IV^{INDIA} in cases of Specific Learning Disorders (SLD) and Intellectual Disabilities (ID), academic skill assessments in the areas of reading, writing and mathematical skills, and has undergone supervised training in delivery of therapeutic interventions for SLD, ID and ASD cases. She has also been equipped with theoretical know how in the area of Neuro developmental disorders, its clinical features and intervention practices, through lectures and discussions. It is hereby declared that Ms. Samkhili P. has successfully completed internship at ICCONS, Trivandrum and her professional conduct and performance is good.

Dr. Nandini Jayachandran

Affected

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM





INSTITUTE FOR COMMUNICATIVE AND COGNITIVE NEUROSCIENCES (ICCONS)

(School of Study for Development of Cognitive and Communication Disorders, Reg. No. 146059)
(An autonomous Institute under Govt. of Kerala)
NRI Center Complex, Thiruvananthapuram-695 011, Varadachalla, Thiruvananthapuram-695 011
Ph: 0471 2445112, 2447724, E-mail: iccons@iccons.ac.in, www.iccons.ac.in

Certificate of Internship

This is to certify that Ms. Archana Mohan, Fourth Semester M.Sc. Psychology Student (School Psychology Specialization) of Government College for Women, Trivandrum has completed internship at the Institute for Communicative and Cognitive Neurosciences (ICCONS), Trivandrum, for a two-months period from April 1st to May 31st 2019. During internship period the candidate has undergone postings for clinical observation at the Departments of Psychology, Medicine, Physiotherapy, Speech Language Pathology and Clinical Linguistics. She has also attended Clinical postings in the Department of Psychology under my guidance and supervision, which includes systematic observation and familiarization of Case History taking, conducting Psychological assessments including basic screening tests, Seguin Form Board (SFB) test, Tests of adaptive functioning Vineland Social Maturity Scale (VSMS), Intelligence testing - Wechsler Intelligence Scale for Children-IV^{PSA} (WISC-IV^{PSA}) and parental counseling. She has also undergone hands on training in conducting intelligence tests of WISC-IV^{PSA} in cases of Specific Learning Disorders (SLD) and Intellectual Disabilities (ID), academic skill assessments in the areas of reading, writing and mathematical skills, and has undergone supervised training in delivery of therapeutic interventions for SLD, ID and ASD cases. She has also been equipped with theoretical know-how in the area of Neuro developmental disorders, its clinical features and intervention practices, through lectures and discussions. It is hereby declared that Ms. Archana Mohan has successfully completed internship at ICCONS, Trivandrum and her professional conduct and performance is good.



Dr. Nandini Jayachandran

Lecturer in Clinical Psychology

Attended
Shirish

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
TRIVANANTHAPURAM-14



33/2479 A, NH 47 Bye-Pass Service Road,
Chakkarakulam, Thiruvananthapuram P.O. - 682032
Land Mark: Opp. of McDonalds Restaurant
Next to Friends Motors
Ph: 0484 2340756, 2340757
Mob: 9872122200, 8282893500
Email: administrator@inclusioncentral.com



31.05.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Smt. **Muhsina T.H.**, student of M.Sc. Psychology, Government College for Women, Vazhuthacadu, Trivandrum has successfully completed her internship for 2 months (1st April, 2019 to 31st May, 2019) from our institution. During her internship period she was trained in taking case histories, conducting both psychological and educational assessments, and providing therapies to students with special needs. She has done 3 complete assessments under the guidance of a psychologist. We wish her all regards for her future endeavours.

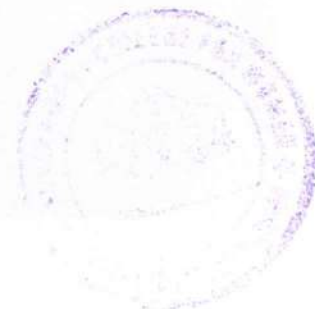
Ajit Moorkoth

Chairman



AJIT MOORKOTH
M.Phil, M.Ed, Spl.Edn (Autism), M.Sc.Psych., DRB 0888
Consultant Rehabilitation Practitioner
Professional Special Educator & Psychologist
RCI Regn. No. A 03557

Attested
[Signature]



PRINCIPAL
GOVT COLLEGE FOR WOMEN
THIRUVANANTHAPURAM

XXXXXXXXXXXXXXXXXXXX

JEEVANI

MODULE FOR COLLEGE COUNSELLORS

PART - I

Counsellor's Manual



**A Project of
Department of Collegiate Education
Government of Kerala
2019**

Published by

Department of Collegiate Education, Government of Kerala (2019)

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Department of Collegiate Education, Government of Kerala

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Alkesh
Wife

For the Department of Collegiate Education, Government of Kerala

Implemented by

**Department of Collegiate
Education Government of
Kerala**

in

Technical Collaboration with


**National Institute of Mental Health &
Neurosciences(NIMHANS), Bengaluru**

Counsellor's Manual (Module-I) Prepared by

**Department of Psychology, Govt College for
Women, Thiruvananthapuram**

State Nodal Office of

Jeevani- College Mental Health Awareness Services

Attested


**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14**



Appendix-II

PROJECT COMPLETION CERTIFICATE
(FOR ASPIRE SCHOLARSHIP - 2018-19)

This is to certify that Sri/Smt. Gopika.S. PG student of GOVT. COLLEGE FOR WOMEN, VAZHUTHACAUD, THIRUVANANTHAPURAM affiliated to Kerala University has successfully completed his/her Aspire Scholarship Project/Internship entitled Post synthetic modification of hyper cross linked ketone base micro porous polymer for CO₂ adsorption with the stipulated month(s) from to under the guidance of Dr. SUNFESH C.V. of our (Kerala University) institution

ASSISTANT PROFESSOR AND HEAD
DEPARTMENT OF CHEMISTRY
UNIVERSITY OF KERALA
KARIYATTOM, KASSEL, KERALA, INDIA

[Signature]

Signature
Name & Designation
(Head of the Host Institution)

ASSISTANT PROFESSOR AND HEAD
DEPARTMENT OF CHEMISTRY
UNIVERSITY OF KERALA
KARIYATTOM, KASSEL, KERALA, INDIA

[Signature]

Name & Designation
(Guide of Host Institution)

(Office Seal)



ASSISTANT PROFESSOR AND HEAD
DEPARTMENT OF CHEMISTRY
UNIVERSITY OF KERALA
KARIYATTOM, KASSEL, KERALA, INDIA

[Signature]

(Principal/HOD/Institution)

Encl. 1) Project Report

2) Attendance certificate from parent institution (as per notification dated.....)

Attache


Whie

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-12



UNIVERSITY OF KERALA

Dr. SONY GEORGE
Head of the Department




DEPARTMENT OF CHEMISTRY
Kariavattom,
Thiruvananthapuram,
Kerala, India - 695 581.

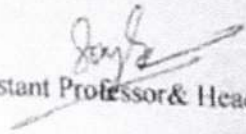
17-04-2019

Certificate of Attendance

This is to certify that **Ms. Gopika S.**, M. Sc. Student of Govt. College for Women, Thiruvananthapuram has successfully completed her Aspire Scholarship project/ internship entitled "Post-synthetic modification of hyper-crosslinked ketone based microporous polymer for CO₂ adsorption" under the guidance of Dr. Suneesh C.V., Assistant Professor, department of chemistry, University of Kerala.

I also certify that she has cent percent attendance from 12-03-2019 to 31-03-2019 at department of chemistry, University of Kerala.




Assistant Professor & Head

ASSISTANT PROFESSOR AND HEAD
DEPARTMENT OF CHEMISTRY
UNIVERSITY OF KERALA
KARIYATTOM - 695 581
THIRUVANANTHAPURAM

*Atharwa**Chiles*

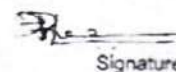
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



Appendix-II


**PROJECT COMPLETION CERTIFICATE
(FOR ASPIRE SCHOLARSHIP - 2018-19)**

This is to certify that Smt. LEKSHMI C NAIR, PG, student of GOVT. COLLEGE FOR WOMEN, VAZHUTHACAUD, THIRUVANANTHAPURAM, affiliated to Centre for Earth Science Studies, has successfully completed his/her Aspire Scholarship Project/Internship entitled Quality monitoring of potable water samples collected from groundwater within the stipulated month(s) from 13.03.2019 to 13.04.2019 under the guidance of Prof. Dr. K. Anoop Krishnan of our (Centre for Earth Science Studies) institution

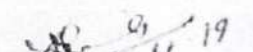

Signature

Name & Designation
(Head of the Host Institution)

Dr. K. ANOOP KRISHNAN
Associate Professor, Centre for Earth Science Studies,
Government College for Women, Vazhuthacaud, Thiruvananthapuram-695 011
E-mail: anoopk@ceess.ac.in
Phone: 0471-2551111
Mobile: 94470 11111
Director, Centre for Earth Science Studies, Govt. of India
41/19, 19th Floor, C-1, 2nd
Block, Thiruvananthapuram 695 011, Kerala


Name & Designation
(Guide of Host Institution)




(Principal/HOD/Institution)

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-695011

Enc. 1) Project Report

2) Attendance certificate from parent institution (as per notification dated....)

Attested
Principals

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





राष्ट्रीय पृथ्वी विज्ञान अध्ययन केन्द्र
NATIONAL CENTRE FOR EARTH SCIENCE STUDIES

पृथ्वी विज्ञान मंत्रालय, भारत सरकार
Ministry of Earth Sciences, Government of India

पो.बो.नं. 7250, आक्कुलम, तिरुवनन्तपुरम - 695011, भारत
PB No. 7250, Akkulam, Thiruvananthapuram-695011, India



18.12.2019

Dr. K. Anoop Krishnan
Scientist, Hydrological Processes Group
Mob: 9447402468
sreeanoop@rediffmail.com

To whom so ever it may concern

This is to certify that **Lekshmi C. Nair** did her M.Sc. dissertation at NCESS during March-April 2019 by securing the prestigious **Government of Kerala ASPIRE Fellowship**. She has recently completed successfully her MSc in Chemistry from the University of Kerala with distinction. The topic of her research programme is **Quality monitoring of portable water samples collected from groundwater sources in Trivandrum area, Kerala: Special reference to nutrients**. During her dissertation period, she was well versed with the analytical facilities in the Central Chemical Laboratory which include Continuous Flow Analyser, AAS, MP-AES, CHNS Analyser, TOC Analyser and UV-Vis Spectrophotometer. She participated in the field programme for one week to collect the samples from Trivandrum urban area. She has analysed water/sediment samples for hydrogeochemical studies in the riverine system. Apart from this, she has done textural studies followed by analysing the separated components using Particle Size Analyser. Based on the results, she has come with a dissertation by referring many journal papers.

Dr. K. Anoop Krishnan

Dr. K. ANOOP KRISHNAN
Scientist & Research Guide

डॉ. के. अनूप कृष्णन / Dr. K. ANOOP KRISHNAN
अध्यक्ष, अतिथि विद्यार्थियों की समिति
Chairperson, Visiting Students Committee
ई.एस.एस.सी. - राष्ट्रीय पृथ्वी विज्ञान अध्ययन केन्द्र
ESSO-National Centre for Earth Science Studies
पृ. के. विज्ञान मंत्रालय, भारत सरकार
Ministry of Earth Sciences, Govt. of India
आक्कुलम, तिरुवनन्तपुरम - 695011, केरल
Akkulam, Thiruvananthapuram-695011, Kerala

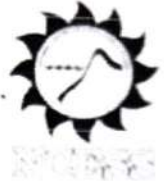
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THIRUVANANTHAPURAM



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NATIONAL CENTRE FOR EARTH SCIENCE STUDIES
पृथ्वी विज्ञान मंत्रालय, भारत सरकार
Ministry of Earth Sciences, Government of India

पो.बो.नं. 7250, आक्कुलम, तिरुवनन्थपुरम - 695011, भारत
PH No. 7250, Akkulam, Thiruvananthapuram-695011, India

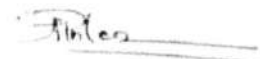


18.12.2019

Dr. K. Anoop Krishnan
Scientist, Hydrological Processes Group
Mob: 9447402468
sreeanoop@rediffmail.com

To whom so ever it may concern

This is to certify that **Maneesha S** did her M.Sc. dissertation at NCESS during March-April 2019 by securing the prestigious **Government of Kerala ASPIRE Fellowship**. She has recently completed successfully her MSc in Chemistry from the University of Kerala with first class. The topic of her research programme is **Comparison of hydrochemistry of Karamana river and adjacent groundwater systems in urbanized areas of Trivandrum district**. During her dissertation period, she was well versed with the analytical facilities in the Central Chemical Laboratory which include Continuous Flow Analyser, AAS, MP-AES, CHNS Analyser, TOC Analyser and UV-Vis Spectrophotometer. She participated in the field programme for one week to collect the samples from Trivandrum urban area. She has analysed water/sediment samples for hydrogeochemical studies in the riverine system. Apart from this, she has done textural studies followed by analysing the separated components using Particle Size Analyser. Based on the results, she has come with a dissertation by referring many journal articles.

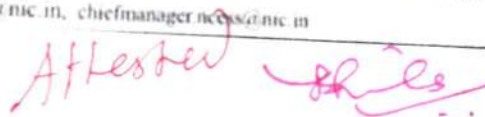

Dr. K. Anoop Krishnan

Dr. K. ANOOP KRISHNAN
Scientist & Research Guide

डॉ. के. अनूप कृष्णन / Dr. K. ANOOP KRISHNAN
अध्यक्ष, अस्पायिरे विद्यार्थियों की समिति
Chairperson, ASPIRE Students Committee
पृथ्वी विज्ञान मंत्रालय, भारत सरकार
ESSO National Centre for Earth Science Studies
Ministry of Earth Sciences, Government of India
Akulam, Thiruvananthapuram-695011, Kerala

दूरभाष Phone : +91 - 471 - 2511502, 2511525, 2511721, 2917178
ई-मेल/E-mail : director.nCESS@nic.in, chiefmanager.nCESS@nic.in

फैक्स/Fax : +91 - 471 - 2442280 (Director), 471-2442281 (Chief Manager)
वेबसाइट/Website : www.nCESS.in



PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-18



PRINCIPAL
GOVT. COLLEGE FOR WOMEN
MADRAS-16

Synthesis and Characterization of TiO_2 for Dye Sensitized Solar Cells

A project report submitted to

University of Kerala

In partial fulfillment for the award of the degree of

**Master of Science in
CHEMISTRY**

By

ARYA. L. P

REGISTER NUMBER: 635 17107001

DEPARTMENT OF CHEMISTRY

GOVT. COLLEGE FOR WOMEN

THIRUVANANTHAPURAM



Under the supervision of

Dr. P. SUJATHA DEVIPhotosciences and Photonics Section
Chemical Sciences and Technology DivisionCSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)
Thiruvananthapuram 695019

June 2019

*Attested***PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-18**

**National Institute for Interdisciplinary Science and Technology**

(Formerly Regional Research Laboratory)
Council of Scientific & Industrial Research
Industrial Estate P.O. Trivandrum - 695 019, Kerala, India

Dr. P. Sujatha Devi

Senior Principal Scientist

Head Chemical Sciences and Technology Division (CSTD)

CSIR-NIIST, Thiruvananthapuram-695 019.

Email: psujathadevi@niist.res.in

Tel: 0471-2515275

CERTIFICATE

This is to certify that the work embodied in the project report entitled "Synthesis and Characterization of TiO_2 for Dye Sensitized Solar Cells" has been carried out by **Ms. Arya. L. P** under my supervision at the Photosciences and Photonics Section, Chemical Sciences and Technology Division of CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram in partial fulfillment of her M.Sc. degree in chemistry of University of Kerala. The present work or any part thereof has not been submitted elsewhere for award of any other degree.

Dr. P. Sujatha Devi

(Project Supervisor)

Thiruvananthapuram

30 June 2019



Dr. P. Sujatha Devi
Senior Principal Scientist
Head Chemical Sciences and Technology Division
CSIR-NIIST, Thiruvananthapuram-695 019.
Email: psujathadevi@niist.res.in
Tel: 0471-2515275

Atheshell

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



**SYNTHESIS AND CHARACTERISATION OF 1,2- DIHYDROPYRIDINES VIA
THREE COMPONENT REACTION WITH AMINOPHENOL, DIENAMINODIOATE
AND VARIABLE ALDEHYDES**

A Project Report Submitted for the Partial Fulfillment
of the Requirements for the Degree of
MASTER OF SCIENCE

In

CHEMISTRY

By

ASHA R S

Register No: 63517107002



**DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE FOR WOMEN, THIRUVANANTHAPURAM**

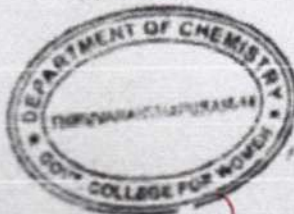
Under the Supervision of

Dr. L. RAVI SHANKAR



At
**CHEMICAL SCIENCES AND TECHNOLOGY DIVISION
CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY
SCIENCE AND TECHNOLOGY,
THIRUVANANTHAPURAM-695019**

JUNE 2019



Atharva

[Signature]

**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14**





CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH (CSIR), GOVT. OF INDIA
CHEMICAL SCIENCE AND TECHNOLOGY DIVISION (CSTD)
Industrial Estate P.O., Thiruvananthapuram, INDIA, 695019

CERTIFICATE

This is to certify that **Ms. ASHA R S**, Master of Science in Department of Chemistry,
Govt. College for Women, Thiruvananthapuram, worked on the topic, entitled as **"SYNTHESIS
AND CHARACTERISATION OF 1,2-DIHYDROPYRIDINES VIA THREE COMPONENT
REACTION WITH AMINOPHENOL, DIENAMINODIATE AND VARIABLE ALDEHYDES"**
under my supervision in the organic chemistry Section, Chemical Sciences and Technology
Division, CSIR-National Institute for Interdisciplinary Science and Technology,
Thiruvananthapuram, in a partial fulfillment of the requirements for the Degree of Master of
Science in Chemistry, University of Kerala, Thiruvananthapuram. The present work or any part
thereof has not been submitted elsewhere for a degree.

Dr. L. Ravi Shankar

Dr. L. RAVI SHANKAR



Dr. L. RAVI SHANKAR
Organic Chemistry Section, Chemical Sciences and Technology Division,
CSIR-National Institute for Interdisciplinary Science and Technology,
Industrial Estate P.O., Thiruvananthapuram, INDIA, 695019

A. L. S. S. *Shilpa*

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



Studies on development of fireproof fabric for space application

MSc Project report

STUDIES ON DEVELOPMENT OF FIREPROOF FABRIC FOR SPACE APPLICATION

*Project report**In partial fulfillment of the award of the degree of***Master of Science in Chemistry**

Submitted by

ASWATHY G

Candidate code: 63817107003

Under the guidance of

Mr. SRIRANGAM SIRIPOTHUScientist Engineer-SI
Propellant Fuel Complex
Vikram Sarabhai Space Centre
Thiruvananthapuram**DEPARTMENT OF CHEMISTRY****GOVT. COLLEGE FOR WOMEN
VAZHUTHACADU, THIRUVANANTHAPURAM, KERALA
KERALA UNIVERSITY**

2019

*Athalya***PRINCIPAL****GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1**

Studies on development of fireproof fabric for space application

MSc Project report

भारत सरकार
अन्तरिक्ष विभाग
विक्रम साराभाई अंतरिक्ष केन्द्र
थिरुवनन्तपुरम-695 022
केरल, भारत
फोन : (0471) 2563531
फैक्स : (0471) 2562031
वेबसाइट: SPACE



Government of India
Department of Space
Vikram Sarabhai Space Centre
Thiruvananthapuram-695 022
Kerala, INDIA

Telephone : (0471) 2563531

Fax : (0471) 2562031

ई-मेल: sk_manu@vssc.gov.in

28th June 2019**CERTIFICATE**

This is to certify that the project entitled '*Studies on Development of Fireproof Fabric for Space application*' being submitted by Ms. ASWATHY.G in Partial fulfillment of the requirements for the award of **Master of Science in Chemistry** from Govt college for women, Vazhuthacadu, Thiruvananthapuram during the year 2019, is a bonafide record of the work done by her at Propellant Fuel Complex, Vikram Sarabhai Space Centre, Thiruvananthapuram under my guidance.

Project Guide

Srirangam Siripothu
Scientist-SE
Propellant Fuel Complex



Division Head

Dr. Manu S K
Deputy General Manager
Propellant Fuel Complex

Attested

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



**ISOLATION OF BIOACTIVES FROM HEXANE EXTRACT OF
MEDICINALLY IMPORTANT PLANT *CURCUMA AROMATICA***

**A Project Report Submitted in Partial Fulfilment
of the Requirements for the Degree of
MASTER OF SCIENCE**

In

CHEMISTRY

By

DEVIPRIYA S.

Reg. No: 63517107004



**DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE FOR WOMEN, THIRUVANANTHAPURAM**

Under the Supervision of

Dr. SASIDHAR B.S.



At

**ORGANIC CHEMISTRY SECTION
CHEMICAL SCIENCES AND TECHNOLOGY DIVISION (CSTD)
CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY
SCIENCE AND TECHNOLOGY
THIRUVANANTHAPURAM-695019**

JUNE 2019

Attested

**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14**





CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY

Council of Scientific & Industrial Research (CSIR), Govt. of India

Dr. Sasidhar B. S.
Scientist, Organic Chemistry Section
Chemical Sciences and Technology Division
E mail: drsasidharbs@gmail.com
drsasidharbs@niist.res.in

09497260897 (Mob)
0471 2515275 (Off)
Fax: +91 2491712

CERTIFICATE

This is to certify that Ms Devipriya S. has worked on "Isolation of Bioactives from Hexane Extract of Medicinally Important Plant Curcuma aromatica" under the guidance of Dr. Sasidhar B. S., Scientist, Organic Chemistry Section, Chemical Sciences and Technology Division (CSTD) at National Institute for Interdisciplinary Science and Technology (CSIR), Thiruvananthapuram, in partial fulfilment of the Degree of Master of Science in Chemistry, Department of Chemistry, GOVT.College for Women, Kerala University, Thiruvananthapuram.

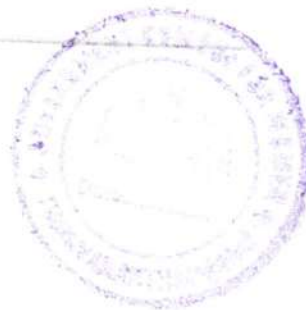
Dr. Sasidhar B. S.

Thiruvananthapuram

June 2019

Attested
Chie

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



Isolation and Characterization of bisbenzylisoquinoline (DBBI) Alkaloids from the Rhizome of *Cyclea peltata* Hook. f. & Thoms.

In partial fulfillment for the award of the degree of

Master of Science in Chemistry

By

Gopika.S

Register Number: 63517107005

Govt.College for Women,Thiruvananthapuram



Under the guidance of

Dr.K. V Radhakrishnan



**CSIR-National Institute for Interdisciplinary Science and Technology
(CSIR-NIIST)**

Thiruvananthapuram, Kerala-695019

June 2019



NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE & TECHNOLOGY
Council of Scientific & Industrial Research

Government of India
Trivandrum 695 019, India

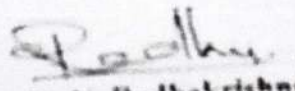


Dr. K. V. Radhakrishnan
Senior Principal Scientist
Organic chemistry section
Chemical Sciences and Technology Division

Telephone: 91-471-2515429
Fax: 91-471-2515422

CERTIFICATE

This is to certify that Ms. Gopika S has worked on "Isolation and Characterization of **Dibenzylisoquinoline (DBBI) Alkaloids from the Rhizome of Cyclopeltata Hook. f. & Thoms.**" under my guidance at National Institute for Interdisciplinary Science and Technology (CSIR), Thiruvananthapuram, in partial fulfillment of the Degree of Master of Science in Chemistry (Organic Chemistry), Govt. College For Women, Trivandrum, Kerala.


Dr. K. V. Radhakrishnan

Thiruvananthapuram
June 2019

email: radhu2005@gmail.com

Attested


PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-12



**SYNTHESIS OF PEO BASED HYBRID COMPOSITE SOLID
ELECTROLYTE AND STUDY OF ITS IONIC
CONDUCTIVITY WITH VARIATION OF TEMPERATURE**

*A Dissertation Submitted to the University of Kerala in the Partial Fulfillment
of the Requirement for the award of the Degree of*

Master of Science in Chemistry

By

LEKSHMI C NAIR

Reg.No: 63517107008



**DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE FOR WOMEN
THIRUVANATHAPURAM**

Under the Supervision of

Mr. SOURAV MAJUMDER

Sci./Engr. SC



**ADVANCED POWER SYSTEMS DIVISION
VIKRAM SARABHAI SPACE CENTRE (VSSC)
THIRUVANATHAPURAM
KERALA - 695022**

JUNE 2019



Alhena
Shree

**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANATHAPURAM-1A**

भारत सरकार
अंतरिक्ष विभाग
विक्रम साराभाई अंतरिक्ष केन्द्र
तिरुवनन्तपुरम - 695022
केरल, भारत
दूरभाष (0471) 2562323
फैक्स : (0471) 2562115



Government of India
Department of Space
Vikram Sarabhai Space Centre
Thiruvananthapuram-695 022
Kerala, INDIA
Telephone : (0471) 2562323
Fax : (0471) 2562115
email : s_sujatha@vssc.gov.in

उन्नत शक्ति प्रणाली प्रभाग / Advanced Power Systems Division
रासायनिक प्रणाली ग्रुप / पीसीएस / Chemical Systems Group, PCM

BONAFIDE CERTIFICATE

This is to certify that the dissertation entitled "Synthesis of PEO based hybrid composite solid electrolyte and study of its ionic conductivity with variation of temperature" was done by Ms. LEKSHMI C NAIR (Reg.No: 63517107008) at solid electrolyte lab, APSD/CSG, Vikram Sarabhai Space Centre, Thiruvananthapuram-22 in partial fulfilment of the requirements for the award of degree of Master of Science in Chemistry from Govt. College for Women, Thiruvananthapuram, under my guidance during April 2019 to June 2019.

Sujatha S
Sujatha S
Head, APSD, CSG

भारतीय अंतरिक्ष अनुसंधान संगठन



Indian Space Research Organization

Attended
Shirley



PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14

PROJECT REPORT ON

EVALUATION OF PERFORMANCE OF PHENOLIC MICROSPHERES IN ABLATIVE TPS APPLICATION

In partial fulfillment of award of the degree of

Master of Science in Chemistry

Submitted by

MANEESHA S

Candidate code ; **63517107009**

Under the guidance of

Mr. SREERAM.P

Scientist /Engineer-SC

Propellant Fuel Complex

Vikram Sarabhai Space Centre

Thiruvanthapuram



**Department of Chemistry
Government College for Women**

**Vazhuthacaud
Thiruvanthapuram**



*Attested
by*

**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A**

വിക്രം സാരാभाई
വിക്രം സാരാभाई അതിർത്തി കേന്ദ്രം
Thiruvananthapuram-695 022
കേരളം, ഇന്ത്യ
ഫോൺ : (0471) 2560331
ഫാക്സ് : (0471) 2560331
www.vssc.gov.in



Government of India
Department of Space
Vikram Sarabhai Space Centre
Thiruvananthapuram-695 022
Kerala, INDIA
Telephone : (0471) 2560331
Fax : (0471) 2560331
@400mash@vssc.gov.in

CERTIFICATE

This is to certify that the project entitled '**Evaluation of Performance of Phenolic Microspheres in Ablative TPS application**' being submitted by **Ms.MANEESHAS** in Partial fulfillment of the requirements for the award of Master of Science in Chemistry from Govt. college for women, Vazhuthacadu, Thiruvananthapuram during the year 2019, is a bonafide record of the work done by her at Propellant Fuel Complex, Vikram Sarabhai Space Centre, Thiruvananthapuram under my guidance.

Project guide

Mr.Sreeram.P

Scientist/Engineer-SC

Propellant Fuel Complex



Division Head

Dr.S.K.Manu

Deputy General Manager

Propellant Fuel Complex

*Attested
Maneesha S*

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



**PREPARATION AND CHARACTERIZATION OF CORE-SHELL
MATERIAL IN SOLID PROPELLANTS**

Dissertation Submitted to the University of Kerala

In the partial fulfillment of the Degree of

Master of Science in Chemistry

By

RAMNU S SHAHEED

Reg. No: 63517107011



DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE FOR WOMEN,
THIRUVANANTHAPURAM

Under the Supervision of

**Dr. SREEJITH M
SCIENTIST SE**



PROPELLANT ENGINEERING DIVISION
VIKRAM SARABHAI SPACE CENTRE
THIRUVANANTHAPURAM
AUGUST 2019

Attended
Shree

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



भारत सरकार
अन्तरिक्ष विभाग
विक्रम साराभाई अन्तरिक्ष केन्द्र
थिरुवनन्थपुरम - 695 022, भारत
दूरभाष : 0471 - 2562444 / 2562555
फैक्स : 0471 - 2415236



Government of India
Department of Space
Vikram Sarabhai Space Centre
Thiruvananthapuram - 695 022, India
Telephone : 0471-2562444 / 2562555
Fax : 0471-2415236

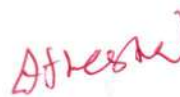

CERTIFICATE

This is to certify that the project entitled '**PREPARATION AND CHARACTERIZATION OF CORE-SHELL MATERIAL IN SOLID PROPELLANTS**' is a bona-fide and authentic record of the work carried out by **Ms. Ramnu S Shaheed** during the period of April 2019 to June 2019 under my supervision at Propellant Engineering Division, Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram, in partial fulfillment of the award of the degree of MSc. Chemistry under the Kerala University in Govt. College for women, Thiruvananthapuram. The work presented in the project has not been submitted for any other degree or diploma earlier.

Place: Thiruvananthapuram
Date: 10-08-2019


Dr. Sreejith M
Scientist/Engineer 'SE'
Propellant Engineering Division
Vikram Sarabhai Space Centre
Thiruvananthapuram 695 022
Kerala.





PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM. 1A

भारतीय अन्तरिक्ष अनुसंधान संगठन



Indian Space Research Organisation



Phytochemical Investigation of *Ficus benghalensis* (Stem Bark)

*A Project Report Submitted to the University of Kerala in Partial Fulfillment
of the Requirement for the award of the Degree of*

Master of Science

in

CHEMISTRY

BY

SHILPA B.

(Reg. No. 63517107012)



Kerala University

Under the Supervision of

Dr. K .V. RADHAKRISHNAN



CHEMICAL SCIENCES AND TECHNOLOGY DIVISION (CSTD)

CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY

SCIENCE AND TECHNOLOGY (CSIR-NIIST) - THIRUVANANTHAPURAM-

695019



Ajith

[Signature]

**PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-11**


NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE & TECHNOLOGY



Council of Scientific & Industrial Research

Government of India
Trivandrum-695 019, IndiaOrganic Chemistry Section
Chemical Sciences and Technology DivisionTelephone: 91-471-2515420
Fax: 91-471-2491712**CERTIFICATE**

This is to certify that **Ms. Shilpa B.** has worked on "**Phytochemical Investigation of *Ficus benghalensis* (Stem Bark)**" under my supervision at the Organic Chemistry Section of CSIR - National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram (during April 2019 to June 2019) for the partial fulfillment of the Degree of Master of Science in Chemistry, from Govt. College for women, Thiruvananthapuram


Dr. K. V. Radhakrishnan
Senior Principal ScientistJune 2019
Trivandrum

email:radhu2005@gmail.com

Attested
*Shilpa*PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A



युवा आदान-प्रदान कार्यक्रम
YOUTH EXCHANGE PROGRAMME

प्रमाण-पत्र
CERTIFICATE

प्रमाणित किया जाता है कि

Certified that KL/16/SW/A/109254 SUD Akshaya Jose
(नाम Name)

ने सफलता पूर्वक

has successfully participated in the

2018, Youth

आदान-प्रदान कार्यक्रम

Exchange Programme

में भाग लिया जिसका आयोजन दिनांक

से

तक किया गया।

Conducted at

Vietnam

From 28 Nov 18

To

06 Dec 18

सहभागी के रूप में आपका/आपकी भूमिका अत्यधिक सराहनीय रहा/रही।

His/Her role as participant is highly appreciated.

स्थान
Place
दिनांक
Date

New Delhi



[Signature]

लिफ्टनेंट जनरल
सहायक राष्ट्रीय कौशल कोष, भारत
Lt Gen
Director General NCC, INDIA

Affirmed
admission

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
TIRUPATHI (MADHURAM-1A)





STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT)
VIDYABHAVAN, POOJAPPURA, THIRUVANANTHAPURAM, KERALA - 695012
Phone: (0471) 2341883 (P), 2340323(O)
Fax: (0471) 2341869

DUTY CERTIFICATE

Certified that Smt Maya Menon Asst. Professor of Psychology, Govt College for Women, Thiruvananthapuram
has participated in HSSTTP - General Module Planning on 14.11.2018 at SCERT, Kerala. His/her absence in the parent institution may be treated as on Other Duty (OD).
Honorary and TA have been paid by SCERT.

Poojappura
14.11.2018




Academic Coordinator

POCO
SHOT ON POCO F1

*Attached
copies*

GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



**STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT)**


VIDYABHAVAN, POOJAPPURA, THIRUVANANTHAPURAM, KERALA - 695012

Phone: (0471) 2341883 (P), 2340323(O)

Fax: (0471) 2341869


DUTY CERTIFICATE

Certified that Sri/Smt Shiju Joseph, Asst. Professor of Psychology, Govt College for Women, Palamuru has participated in HSSTTP - General Module Planning on 14.11.2018 at SCERT, Kerala. His/her absence in the parent institution may be treated as on Other Duty (OD). Honorarium and TA have been paid by SCERT.

Poojappura
14.11.2018
Academic Coordinator

Attested
Shiju


PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



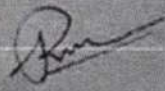
STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT)
 VIDYABHAVAN, POOJAPPURA, THIRUVANANTHAPURAM, KERALA - 695012
 Phone: (0471) 2341883 (P), 2340323(O)
 Fax: (0471) 2341869

DUTY CERTIFICATE

Certified that Sri/Smt Shiju Joseph, Asst. Professor of Psychology, Govt. College for Women, Thiruvananthapuram has participated in HSSTTP - Module Vetting from 29.10.2018 to 31.10.2018 at SCERT, Kerala. His/her absence in the parent institution may be treated as on Other Duty (OD). Honorarium and TA have been paid by SCERT.



Poojappura
31.10.2018


 Academic Coordinator

Attested
Shiju
 PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-14.



CREATIVE PSYCHOLOGIST : APPLYING ART IN PSYCHOLOGY THREE DAY NATIONAL WORKSHOP 2018

Organised by : Department of Psychology, Government College for Women,
Thiruvananthapuram - 695014



Certificate

Certified that..... Aparna S

.....
has been a participant / Organizer / Facilitator in the National Workshop

Creative Psychologist : Applying Art in Psychology, Sponsored by Director

Collegiate Education, Government of Kerala held at Government College

Women, Thiruvananthapuram on 26th, 27th and 28th November 2018



Attested
Shilpa

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM



**STALWART
PEOPLE
COMPANY**

People, Talent, Companies & Profits - Aligned

Formal Internship Experience Certificate

This letter is issued as per request and our formal procedure.

This is to certify that Ms. Naurin Sitara, has been associated with our organization Stalwart People Co. (SPC) at our Sec 18, Gurgaon office from 3rd September 2018 to 12th Nov 2018.

She was with us as a full time HR Intern.

Her performance during her tenure was found good.

In accordance with our organization protocol & intimation received from Ms. Naurin Sitara, we relieved her from her duties on the mentioned closing of business hours.

We wish her all the very best in her future endeavors.

Authorised Signatories

Varun Shori
Varun Shori
Senior Manager - Business Operations
Stalwart People Company (SPC)
Gurgaon, India

and

Manendra Singh
Manendra Singh
Director & Co-founder, Stalwart People Co.

*Attested**Shree*

PRINCIPAL,
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14

2017-2018

*Attested
by*

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





INSTITUTE OF MENTAL HEALTH & NEUROSCIENCE (IMHANS)

(AUTONOMOUS INSTITUTE UNDER GOVT. OF KERALA)

Govt. Medical College Campus, Kozhikode-08. www.imhans.org

Certificate

It is to certify that Mr. / Ms. VARNA P., MSc PSYCHOLOGY
Department: COLLEGE FOR WOMEN, TRIVANDRUM underwent
training in Mental Health & Neuro Sciences (IMHANS), Kozhikode from 03-04-2018
to 18-04-2018 (No. of attendance days).

During this period she / he has attended the outpatient clinics, child development
and academic activities. During the training period his / her conduct and performance has
been satisfactory.

Attested
[Signature]
PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





Mental Health Centre
Perorkada.P.O.,
Thiruvananthapuram
PIN- 695 005

Phone: 0471 - 2433868, 2432689

Fax: 0471- 2433868, 2435639

e-mail : mhctvpm@gmail.com

Health Centre, Thiruvananthapuram
43/2018/MHC/TVPM

03..05..2018

CERTIFICATE

is to certify that *Ms. Amala Sivakumar*, 2nd year M.Sc Psychology from Government College for Women, Vazhuthacaud, Thiruvananthapuram has completed her internship in this hospital from 1st April 2018 to 30th April 2018 (30 days) and has received training in various aspects of Clinical Psychology under the supervision of Clinical Psychologists and Psychiatrists. Her conduct has been satisfactory throughout the internship.

Amala
Sivakumar

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-18



Dr. Saga

CHIEF INTERN



Child Development Centre

(An autonomous Centre under Government of Kerala)
 Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
 Phone: 0471-2551540 Fax: 0471-2447061
 E-mail: cdcvpm@gmail.com, cdc.kerala@rediffmail.com
 Website: www.cdc.kerala.org

183/S3/CDC/2017

30/05/2018

The Head
 Department of Psychology
 Govt. College for Women
 Vazhuthacaud
 Thiruvananthapuram

Sir,

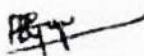
Sub: Internship Programme for Second Year M.Sc. Psychology (4th Semester) Students at CDC - reg.

I am to inform you that the following 4th Semester M.Sc. Psychology (4th Semester) student has visited and observed the various clinical activities of the centre for 15 days between 14/05/2018 to 30/05/2018.

Date	Course	Name
14 th to 30 th May 2018	Second Year M.Sc. Psychology (4 th semester)	Ms. SAMEERA A. S.

Thanking you,

Yours faithfully,

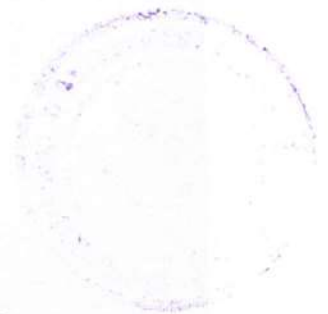

 Dr. Babu George
 Director



Attested



PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-14





Mental Health Centre
Pereorikada P.O.,
Thiruvananthapuram
PIN- 695 005
Phone: 0471 - 2433868, 2432688
Fax: 0471- 2433868, 2435639
e-mail : mhctvpmd@gmail.com

Mental Health Centre, Thiruvananthapuram
No.Acd-3143/2018/MHC/TVPM

03..05..2018

CERTIFICATE

This is to certify that *Ms.Saranya K*, 2nd year M.Sc Psychology student from Government College for Women,Vazhuthacaud,Thiruvananthapuram has attended internship in this hospital from 1st April 2018 to 30th April 2018(30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

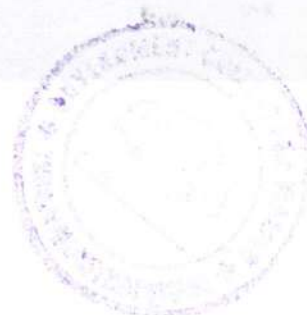
Attested
[Signature]



[Signature]
Dr.Sagar T.
SUPERINTENDENT

SUPERINTENDENT
Mental Health Centre
Pereorikada
Thiruvananthapuram

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-1A



**INSTITUTE FOR COMMUNICATIVE AND COGNITIVE NEUROSCIENCES (ICCONS)**

(Under Society for Rehabilitation of Cognitive and Communicative Disorders, Reg. No. T 452/95)
(An autonomous Institute under Govt. of Kerala)
Near Chest Hospital, Thiruvickal P.O., Pulayankotte, Thiruvananthapuram-695 011
Phone: 0471-6066061, E-mail: icons@asianetindia.com, Website: www.icons.org


Certificate of Internship

This is to certify that Ms Ziya Arun, Fourth Semester M.Sc. Psychology student (Educational Psychology Specialization) of Government College for Women, Trivandrum has completed internship at the Institute for Communicative and Cognitive Neurosciences (ICCONS), Trivandrum, for a one month period from April 4th to May 5th 2018. During internship period the candidate has undergone postings for clinical observation at the Departments of Psychology, Medicine, Physiotherapy, Speech Language Pathology and Clinical Linguistics. She has also attended Clinical postings in the Department of Psychology under my guidance and supervision, which includes systematic observation and familiarization of Case History taking, conducting Psychological assessments including basic screening tests- Seguin Form Board (SFB) test, tests of adaptive functioning Vineland Social Maturity Scale (VSMS), intelligence testing- Wechsler Intelligence Scale for Children-IV^{INDIA} (WISC-IV^{INDIA}) and parental counseling. She has also undergone hands on training in conducting intelligence tests of WISC IV^{INDIA} in cases of Specific Learning Disorders (SLD) and Intellectual Disabilities (ID), academic skill assessments in the areas of reading, writing and mathematical skills, and has undergone supervised training in delivery of therapeutic interventions for SLD, ID and ASD cases. She has also been equipped with theoretical know-how in the area of Neurodevelopmental disorders, its clinical features and intervention practices, through presentations, lectures and discussions. It is hereby declared that Ms. Ziya Arun has successfully completed internship at ICCONS, Trivandrum and her professional conduct and performance is good.


Attended
this

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
TRIVANDRUM





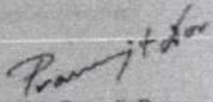
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29th June 2018

CERTIFICATE

This is to certify that the dissertation entitled "**DISTRIBUTION OF MAJOR IONS AND NUTRIENTS IN THE VAMANAPURAM RIVER BASIN, KERALA, INDIA**" submitted by **Miss. Devi A S**, in partial fulfillment of the requirement for the award of Master's Degree in Chemistry of University of Kerala is an authentic record of the original research work carried out by her under my guidance and that no part of this report has formed the basis of the award of any degree, diploma or any other similar title of any university.


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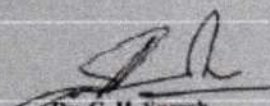
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This is to certify that the project report entitled "**Characterization and Quantification of Tetrel Complexes: A theoretical Study**" is the bonafide work carried out by Ms. Arya.M.R. student of M. Sc. Chemistry, Department of Chemistry, Govt. College for Women Thiruvananthapuram, in partial fulfillment for the award of the degree of Master of Science in Chemistry, University of Kerala, Thiruvananthapuram, under my supervision at the Chemical Sciences and Technology Division, CSIR - National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, and that it has not been submitted elsewhere for the award of any degree or diploma.

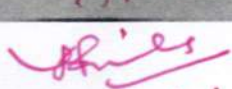
ARYA M R

(Student)


Dr. C. H. Suresh



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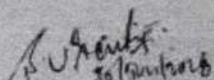


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CERTIFICATE

This is to certify that the dissertation entitled "HYDROGEOCHEMISTRY OF IDAMALYAR CATCHMENT: DISSOLVED LOAD SOURCES, CONTROLLING FACTORS AND QUANTIFICATIONS" submitted by **Miss. Aiswarya A U**, in partial fulfillment of the requirement for the award of Master's Degree in Chemistry of University of Kerala is an authentic record of the original research work carried out by her under my guidance and that no part of this report has formed the basis of the award of any degree, diploma or any other similar title of any university.


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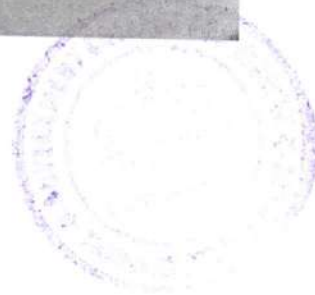
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CERTIFICATE

This is to certify that the dissertation entitled "GEOCHEMISTRY OF SOILS WITH SPECIAL REFERENCE TO ENVIRONMENTAL POLLUTION - A STUDY OF PERIYAR BASIN, SOUTHERN WESTERN GHATS, KERALA" being submitted by **Ms. Gayathri Devi E.S.**, a candidate of the Post Graduate in MSc. Chemistry, Kerala University in partial fulfilment of the requirement for the award of Degree of Master of Science in Chemistry, is the record of the bonafide work carried out under my supervision and guidance at the **National Centre for Earth Science Studies**, Thiruvananthapuram and no part of the dissertation has been submitted in part or in full for any other diploma, degree of any university.

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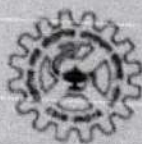
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डा. वी. करुणाकरण

वरिष्ठ वैज्ञानिक

Dr. V. Karunakaran

Senior Scientist

31st Aug., 2018

CERTIFICATE

This is to certify that Ms. Sana A. S., Master of Science in Department of Chemistry, Govt. College for Women, Thiruvananthapuram, worked on the topic, entitled as "Synthesis and Photophysical Characterization of 1,3,4-Oxadiazole Derivatives for Two Photon Imaging Applications" under my supervision in the Photosciences and Photonics Section, Chemical Sciences and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, in a partial fulfillment of the requirements for the Degree of Master of Science in Chemistry, University of Kerala, Thiruvananthapuram. The present work or any part thereof has not been submitted elsewhere for a degree.

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Dr. K. Anoop Krishnan
Scientist
Hydrological Processes Group

07/09/2018

This is to certify that the dissertation entitled **"REVAMPING OF MONTMORILLONITE CLAY WITH CHITOSAN FOR THE REMOVAL OF AQUEOUS PHOSPHATE ALONG WITH ASSESSMENT OF WATER QUALITY PARAMETERS OF NETHRAVATHI RIVER"** submitted by **Amrutha. P. R.** in partial fulfillment of the requirement for the award of Master's Degree in Chemistry of University of Kerala is an authentic record of the original research work carried out by her under my guidance and that no part of this report has formed the basis of the award of any degree, diploma or any other similar title of any university.



Dr. K. Anoop Krishnan
(Supervising guide)
07th September 2018

ശ്രീ. കെ. അനൂപ് കൃഷ്ണൻ/Dr. K. ANOOP KRISHNAN
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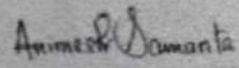
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This is to certify that **Ms. Praveena L. P.** has satisfactorily pursued research on "**A Unique Paradigm for a D-A-D Based Pyrylium and Pyridinium Fluorescence Probes for Ratiometric pH Sensing and Imaging of Lysosome**" under my supervision at Photosciences and Photonics Section in Chemical Sciences and Technology Division (CSTD), CSIR-National Institute for Interdisciplinary Science and Technology, (CSIR-NIIST) Thiruvananthapuram. for her partial fulfillment of the degree of Master of Science (M.Sc.) in Chemistry of Govt. College for Women, Thiruvananthapuram. The present work or any part thereof has not been submitted to any other university or institution for the award of any degree or diploma.


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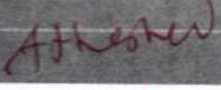

CERTIFICATE

This is to certify that Ms. Divya E 2nd year M.Sc Psychology student from Government College for Women, Varuthacaud, Tiruvananthapuram has attended internship in the hospital from 1st April 2018 to 30th April 2018 (30 days). She has received training in various aspects of Clinical Psychology under the guidance of Clinical Psychologists and Psychiatrists. Her conduct has been excellent throughout the internship.

Dr. Sagar T.
 SUPERINTENDENT



Health Services Department, Government of Kerala



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DEPARTMENT OF PSYCHOLOGY
GOVT. COLLEGE FOR WOMEN, THIRUVANANTHAPURAM

Phone: 0471 2323347 E-mail: psytraininglab@gmail.com

Technical Support Agency for the Project on Development of Aptitude Test for School Students in Kerala
in collaboration with

Additional Skill Acquisition Programme (ASAP), Kerala

CERTIFICATE OF APPRECIATION

Ms. **SRUTHY MURALI** has participated as a volunteer in the *Skill Mentorship for Innovative Life Experience (SMILE)* programme, a three-day residential camp designed by the Dept of Psychology, Govt. College for Women, Thiruvananthapuram and organized by the Additional Skill Acquisition Programme (ASAP), Kerala for class X students. The camp was held from 27th April, 2017 to 29th April, 2017 at Trivandrum.

We appreciate Ms. **SRUTHY MURALI** for the active role taken by her in assisting psychologists in the assessment and training sessions on career decision making. We consider this service as valuable and wish her the very best.

Shiju
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Shiju Joseph
Shiju Joseph



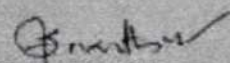
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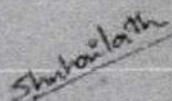
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This is to certify that the dissertation entitled '**CASHEW NUT SHELL LIQUID (CNSL) AS BIO-SURFACTANT FOR ALUMINA HYBRID COATINGS**' submitted to University of Kerala in partial fulfillment for the award of the degree of Master of Science in Chemistry is a record of the original research work done by **ARUNIMA A. (Reg. No. 635 15107002)** under my guidance and supervision at Functional Materials Section, Material Science and Technology Division, CSIR-NIIST, Trivandrum during April to June 2017 and the dissertation has not formed the basis for the award of any degree/ diploma/ fellowship or any other similar title to any candidate of any university or institution.


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(Thesis Supervisor)


Shuhailath K.A.
(Co-guide)

Thiruvananthapuram
16th August 2017



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This is to certify that Ms. Athira. R. S. has worked on "SYNTHESIS OF ORGANIC NANOPARTICLE COMPOSED OF FRÉCHET TYPE DENDRONS AND ITS SURFACE MODIFICATION THROUGH GRAFTING OF ARYL RADICAL" under my supervision in the Photoscience and Photonics Section of Chemical Sciences and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram in partial fulfilment of the requirement for the award of Degree of Master of Science in Chemistry of the University of Kerala. The present work or any part thereof has not been submitted to any other university or institution for the award of any degree or diploma.

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18th Aug., 2017

CERTIFICATE

This is to certify that Ms. Simi Thomas, Master of Science in Department of Chemistry, Govt. College for Women, Thiruvananthapuram, worked on the topic, entitled as "Investigation of Interaction Dynamics of Hematin with an Antimalarial Drug Chloroquine Using Absorption, Fluorescence and Transient Absorption Spectroscopy" under my supervision in the Photosciences and Photonics Section, Chemical Sciences and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, in a partial fulfillment of the requirements for the Degree of Master of Science in Chemistry, University of Kerala, Thiruvananthapuram. The present work or any part thereof has not been submitted elsewhere for a degree.

Dr. Karunakaran Venugopal

Project Supervisor

Tel: +91-471-2515240; Fax: +91-471-2491712; E-mail: k.venugopal@nist.res.in website: <http://www.nist.res.in>

Attested
by

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





CSIR-NIIST

Dr. Sunil Vanaghese
Senior Scientist
Chemical Science & Technology Division

NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY
Council of Scientific and Industrial Research
Industrial Estate P.O., Peppanurcode, Thiruvananthapuram - 855 019, Kerala, India

Tel: +91 (0)471 2616438
E-mail: a.varghese@nitd.res.in
Mobile: +91 (0)9955012773
Website: www.nitd.res.in

June 30, 2017

CERTIFICATE

This is to certify that Ms. SNEHA SARA VARGHESE, M.Sc. Chemistry, Govt. College for Women, Thiruvananthapuram has carried out her project work on **"Employing Covalent and Non-covalent Synthetic Methodologies in the Molecular and Supramolecular System Studies"**, under my supervision and guidance for the partial fulfillment of the award of the Degree of Master of Science in Chemistry, University of Kerala at Chemical Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram, during the period of April-June 2017. The present work or any part thereof has not been submitted to any other university or institution for the award of any degree.

Dr. Sumil Varughese
Senior Scientist
CSTD, CSIR-NIIST

affektiver

Phis



**UTILIZATION OF SECONDARY AMINES IN UGI THREE COMPONENT REACTION
FOR THE SYNTHESIS OF BENZOFURANS.**

*A project report submitted to University of Kerala in Partial fulfillment of the requirements
for the degree of*

Master of Science in Chemistry (pure chemistry)

Department of Chemistry, Government College for Women, Thiruvananthapuram



BY

SRUTHI SAMBAN

Reg. No: 63515107009

Under the supervision of

Dr. L. RAVI SHANKAR



Scientist

Chemical Sciences and Technology Division

**National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)
Thiruvananthapuram**

2017

*Attended
Shree*

FILED IN
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-12





राष्ट्रीय अंतर्विषयी विज्ञान तथा प्रौद्योगिकी संस्थान
NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
इंडस्ट्रियल इस्टेट पी. ओ. पाप्पनकोड, तिरुवनंतपुरम, भारत - 695 019

Council of Scientific and Industrial Research
Industrial Estate P.O., Pappanamcode, Thiruvananthapuram, India-695 019

CERTIFICATE

This is to certify that **Ms. SRUTHI SAMBAN** has worked on "**Utilization of secondary amines in Ugi three component reaction for the synthesis of Benzofurans**" under my supervision at the chemical sciences and technology division of the National Institute for Interdisciplinary Science and Technology (CSIR), Trivandrum, for the partial fulfillment of the master degree of science in chemistry, Department of Chemistry, University of Kerala. The present work or any part thereof has not been submitted to any other university or institution for the award of any degree or diploma.

Dr. L. RAVI SHANKAR

Trivandrum

July-2017

(Project supervisor)

डा. एल. राव शंकर / Dr. L. RAVI SHANKAR

वैज्ञानिक / Scientist



सी एस आई आर - राष्ट्रीय अंतर्विषयी विज्ञान तथा

प्रौद्योगिकी संस्थान (एन आई एस टी)

CSIR-National Institute for Interdisciplinary
Science & Technology (NIIST)

तिरुवनंतपुरम / Thiruvananthapuram-695 019

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
 इन्स्टिट्यूट इन्स्टीट्यूट पी. ओ. पपानमकोड, तिरुवनन्थपुरम, भारत - 695 019

Material Science & Technology Division

This is to certify that the work embodied in the project dissertation entitled "*Preparation and characterisation of Al³⁺ doped ZnFe₂O₄ pigments with solar reflectance*" has been carried out by Ms. Suhara Beevi.S. under my supervision at CSIR-National Institute for Science and Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram, for the partial fulfillment of the Degree of Master of Science in Chemistry, University of Kerala.

Ekna
20/06/2019

June 2017



डॉ. विशान्थ के. जी
Dr. NISHANTH K.G.
विज्ञान / Scientist
सी एच आर एवं राष्ट्रीय अकादमी विज्ञान एवं प्रौद्योगिकी द्वारा
Cross-Fertilized positions for Interdisciplinary
Biomass and Technology (राष्ट्र)
विज्ञान तथा प्रौद्योगिकी मंत्रालय, भारत सरकार
Ministry of Science & Technology, Govt. of India
विज्ञान भवन, पंचसरोवर रोड, दिल्ली-110 067
मोबा. 98686 44444, 98686 44445, 98686 44446

Tel: 01 471 2515230 Fax: 01 471 2421095, 2460309, (D) 2315230510/91/256384 E-mail: spco@nsl.res.in, Varadha@nsl.res.in



NATIONAL LAW UNIVERSITY, DELHI

JUNE 4, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Maya Menon**, Clinical Psychologist and Assistant Professor of Psychology at Government College for Women, Thiruvananthapuram, Kerala, assisted in the successful completion of the Mental Health Research Project (Project) conducted by the Centre on the Death Penalty at National Law University Delhi.

During her time with the Centre from 10th April 2017 - 10th May 2017, Ms. Menon was engaged as a lead interviewer in carrying out the fieldwork of the Project in Kerala. She led a team comprising mental health researchers, legal researchers, and note takers in conducting interviews with prisoners under the sentence of death lodged in Central Prisons across Kerala and their families. In addition, she conducted IQ assessments and administered clinical rating scales to screen for the presence of mental illness among prisoners on death row in Kerala. We commend Ms. Menon for the conscientious manner in which she carried out all the responsibilities she assumed during the course of the Project.

Please write to us at p30n@nlu-delhi.ac.in for a more comprehensive evaluation of Ms. Menon's work with us.

We wish her all the very best in her future endeavours.

Dr. Anup Surendranath

Director, Centre on the Death Penalty

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





NATIONAL LAW UNIVERSITY, DELHI

TO WHOMSOEVER IT MAY CONCERN

JUNE 4, 2018

This is to certify that Mr. Shiju Joseph, Clinical Psychologist and Assistant Professor of Psychology at Government College for Women, Thiruvananthapuram, Kerala assisted in the successful completion of the Mental Health Research Project (Project) conducted by the Centre on the Death Penalty at National Law University Delhi.

During his time with the Centre from 10th April 2017 - 10th May 2017, Mr. Joseph was engaged as a lead interviewer in carrying out the fieldwork of the Project in Kerala. He led a team comprising mental health researchers, legal researchers, and note takers in conducting interviews with prisoners under the sentence of death lodged in Central Prisons across Kerala and their families. In addition, he conducted IQ assessments and administered clinical rating scales to screen for the presence of mental illness among prisoners on death row in Kerala. We commend Mr. Joseph for the conscientious manner in which he carried out all the responsibilities he assumed during the course of the Project.

Please write to us at p39a@nludelhi.ac.in for a more comprehensive evaluation of Mr. Joseph's work with us.

We wish him all the very best in his future endeavours.



Dr. Anup Surendranth

Director, Centre on the Death Penalty


PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM, KERALA



NISH**NATIONAL INSTITUTE OF SPEECH & HEARING**

(Accredited as Excellent Institution by RCI in 2007. ISO 9001:2008 certified Institution)

No. NISH/Acd/Entr-16/2016-17

11th November, 2016

Ms. Maya Menon

Trivandrum

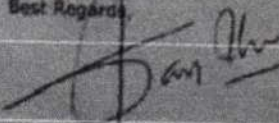
Dear Ms. Maya Menon,

Sub: Involvement in the Preparation of Personality Test for student applicants at NISH

This letter is written to express our thanks and to acknowledge your sincere work as one of the resource persons involved in the development of the Personality Test for use in the admission process at NISH for students with disabilities.

It was nice to work with you and we look forward to associate with you in future too.

Best Regards,



Dr. Samuel Mathew
Executive Director

POCO**SHOT ON POCO F1**

A Society of the Government of Kerala

NISH Road, Narakuzhappu P.O. Trivandrum - 695 013, Kerala, India

Phone: 0471-235-6010 Fax: 0471-246-5690 Email: nish@nisha.ac.in, nish@nisha.org, nish@nisha.net

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14

2015-2016

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PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THRIUVANANTHAPURAM-10



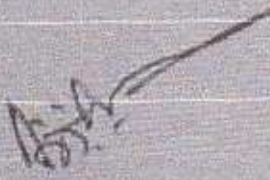
CERTIFICATE

Certified that Smt. Maya Menon, Assistant Professor, Department of Psychology, Govt College for Women, Thiruvananthapuram has contributed to the preparation of modules to train the participants of the SMILE (Skill Mentorship for Innovative Life Experience) camp, a capacity building programme on the need for skill development, for selected students of Class X in Govt/Aided schools in Kerala, organised by ASAP during April, 2016.

She was also a resource person at the Training of Trainers Programme for the SMILE camp 2016.

The commitment and involvement shown by Smt. Maya Menon in the initiative is exemplary.

Thiruvananthapuram
10.11.2016


Ajith K
State Coordinator (Higher Secondary)
ASAP Kerala




PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



DR. REJU M.T. IAS
Chief Executive Officer

ADDITIONAL SKILL ACQUISITION PROGRAMME

(A joint initiative of General & Higher Education Departments, Govt. of Kerala)

Thiruvananthapuram
Dated 11th May, 2016


Letter of Appreciation

I've great pleasure in expressing my appreciation for Sri. Shiju Joseph, Assistant Professor of Psychology, Government College for Women, Thiruvananthapuram, who took a key role in developing a Psychometric Assessment Tool for the identification of aptitude of students applying for the Skill Courses of the Additional Skill Acquisition Programme (ASAP), a new initiative in higher education in Kerala.

The painstaking and systematic efforts of Sri. Shiju Joseph have been crucial in the success of the assessment tool that has been used for allotting skill courses for students of ASAP.

The scientific nature of the psychometric test tool developed by a team including Sri. Shiju Joseph has been widely appreciated at various levels.

The Additional Skill Acquisition Programme recognizes the efforts of Sri. Shiju Joseph and team involved in the exercise that lasted for six months from July, 2016.


Dr. Reju M.T. IAS
Chief Executive Officer
Additional Skill Acquisition Programme
Higher Education Department
Government of Kerala

3rd Floor, Trans Towers
Thiruvananthapuram

Phone : 0471-2772518/519


PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



Child Development Centre

(An autonomous Centre under Government of Kerala)
 Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
 Phone : 0471-2551540, Fax : 0471-2447061
 E-mail: dir@cdkerala.org, cdkerala@rediffmail.com
 www.cdkerala.org

31.05.2016

No: 01/S2/CDC/16

Dr. Maya Menon
 Assistant Professor
 Department of Psychology
 Govt. College for Women
 Vashuthacud
 Thiruvananthapuram

Madam,

Sub: Internship Programme for IV semester MSc. Students at CDC. Reg-
 Ref: Your letter dated 12.04.2016 & 17.05.2016

I am to inform you that the following fourth semester MSc. Psychology students
 have visited and observed the various clinical activities of the centre from 17th to
 31st May 2016.

Date	Course	Name
17 th to 31 st May 2016	IV Semester MSc. Psychology	1. Betsy Baby (Absent on 23 rd & 24 th)
		2. Jinu Suresh (Absent on 24 th)
		3. Reshma S.S. (Absent on 23 rd & 24 th)
18 th to 31 st May 2016		1. Anjana V.R. (Absent on 24 th & 28 th)
		2. Anumol S.S. (Absent on 24 th & 31 st)
		3. Aswathy A.S. (Absent on 24 th , 28 th & 30 th)
		4. Reshma S. (Absent on 24 th , 28 th)

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Child Development Centre

(An autonomous Centre under Government of Kerala)
 Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
 Phone: 0471-2553540, Fax: 0471-2447061
 E-mail: dir@cdckerala.org, cdckerala@rediffmail.com
www.cdckerala.org

31.05.2016

No: 01/S2/CDC/16

Dr. Maya Menon
 Assistant Professor
 Department of Psychology
 Govt. College for Women
 Vachuthacaud
 Thiruvananthapuram

Madam,

Sub: Internship Programme for IV semester MSc. Students at CDC- Reg.
 Ref: Your letter dated 12.04.2016 & 17.05.2016

I am to inform you that the following fourth semester MSc. Psychology students have visited and observed the various clinical activities of the centre from 17th to 31st May 2016.

Date	Course	Name
17 th to 31 st May 2016	IV Semester MSc. Psychology	1. Betsy Baby (Absent on 23 rd & 24 th) 2. Jinu Suresh (Absent on 24 th) 3. Reshma S.S. (Absent on 23 rd & 24 th)
18 th to 31 st May 2016		1. Anjana V.R. (Absent on 24 th & 28 th) 2. Anumol S.S. (Absent on 24 th & 31 st) 3. Aswathy A.S. (Absent on 24 th , 28 th & 30 th) 4. Reshma S. (Absent on 24 th , 28 th)

Attested

PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 CHIRUVANANTHAPURAM-14



Child Development Centre

(An autonomous Centre under Government of Kerala)
 Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
 Phone : (0471) 2533540, Fax : (0471) 2441061
 E-mail: director@cdc.kerala.org, cd.kerala@rediffmail.com
www.cdc.kerala.org

31.05.2016

No. 01/S2/CDC/16

Dr. Maya Menon
 Assistant Professor
 Department of Psychology
 Govt. College for Women
 Vashuthacud
 Thiruvananthapuram

Madam,

Sub: Internship Programme for IV semester MSc. Students at CDC- Reg:
 Ref: Your letter dated 12.04.2016 & 17.05.2016

I am to inform you that the following fourth semester MSc. Psychology students
 have visited and observed the various clinical activities of the centre from 17th to
 31st May 2016.

Date	Course	Name
17 th to 31 st May 2016	IV Semester MSc. Psychology	1. Betsy Baby (Absent on 23 rd & 24 th)
		2. Jinu Suresh (Absent on 24 th)
		3. Reshma S.S. (Absent on 23 rd & 24 th)
18 th to 31 st May 2016		1. Anjana V.R. (Absent on 24 th & 28 th)
		2. Anumol S.S. (Absent on 24 th & 31 st)
		3. Aswathy A.S. (Absent on 24 th , 28 th & 30 th)
		4. Reshma S. (Absent on 24 th , 28 th)

Reshma
Reshma

PRINCIPAL,
 GOVT. COLLEGE FOR WOMEN,
 VASHUTHACUD, THIRUVANANTHAPURAM-695 011



Child Development Centre

(An autonomous Centre under Government of Kerala)
 Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
 Phone: 0471-2553340, Fax: 0471-2547061
 E-mail: dnc@cdkerala.org, cdkenia@rediffmail.com
 www.cdkerala.org

31.05.2016

No: 01/S2/CDC/16

Dr. Maya Menon
 Assistant Professor
 Department of Psychology
 Govt. College for Women
 Vashuthacud
 Thiruvananthapuram

Madam,

Sub: Internship Programme for IV semester MSc. Students at CDC- Reg.
 Ref: Your letter dated 22.04.2016 & 17.05.2016

I am to inform you that the following fourth semester MSc. Psychology students
 have visited and observed the various clinical activities of the centre from 17th to
 31st May 2016.

Date	Course	Name
17 th to 31 st May 2016	IV Semester MSc. Psychology	1. Betsy Baby (Absent on 23 rd & 24 th)
		2. Jinu Suresh (Absent on 24 th)
		3. Reshma S.S. (Absent on 23 rd & 24 th)
1 st to 31 st May 2016	IV Semester MSc. Psychology	1. Anjana V.R. (Absent on 24 th & 28 th)
		2. Anumol S.S. (Absent on 24 th & 31 st)
		3. Aswathy A.S. (Absent on 24 th , 28 th & 30 th)
		4. Reshma S. (Absent on 24 th , 28 th)

Attested
Anjana V.R.

PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-14.

Child Development Centre

(An autonomous Centre under Government of Kerala)
 Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
 Phone - 0471-2553540, Fax - 0471-2447061
 E-mail: dir@cdckerala.org, cdckerala@rediffmail.com
 www.cdckerala.org

31.05.2016

No: 01/82/CDC/16

Dr. Maya Menon
 Assistant Professor
 Department of Psychology
 Govt. College for Women
 Vaidhyanthapuram
 Thiruvananthapuram

Madam,

Sub: Internship Programme for IV semester MSc. Students at CDC-Reg.
 Ref: Your letter dated 12.04.2016 & 17.05.2016

I am to inform you that the following fourth semester MSc. Psychology students
 have visited and observed the various clinical activities of the centre from 17th to
 31st May 2016.

Date	Course	Name
17 th to 31 st May 2016	IV Semester MSc. Psychology	1. Betsy Baby (Absent on 23 rd & 24 th) 2. Jinu Suresh (Absent on 24 th) 3. Reshma S.S. (Absent on 23 rd & 24 th)
28 th to 31 st May 2016		1. Anjana V.R. (Absent on 24 th & 28 th) 2. Anumol S.S. (Absent on 24 th & 31 st) 3. Aswathy A.S. (Absent on 24 th , 28 th & 30 th) 4. Reshma S. (Absent on 24 th , 28 th)

Attested


PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-14

Child Development Centre

(An autonomous Centre under Government of Kerala)
 Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
 Phone : (0471-2551540, Fax : 0471-244706)
 E-mail: cdc@cdkerala.org, cdkerala@rediffmail.com
www.cdkerala.org

31.05.2016

No. 01/S2/CDC/16

Dr. Maya Menon
 Assistant Professor
 Department of Psychology
 Govt. College for Women
 Vachunaraid
 Thiruvananthapuram

Madam,

Sub: Internship Programme for IV semester MSc. Students at CDC Reg-
 Ref: Your letter dated 11.04.2016 & 17.05.2016

I am to inform you that the following fourth semester MSc. Psychology students
 have visited and observed the various clinical activities of the centre from 17th to
 31st May 2016.

Date	Course	Name
17 th to 31 st May 2016	IV Semester MSc. Psychology	1. Betsy Baby (Absent on 23 rd & 24 th) 2. Jinu Suresh (Absent on 24 th) 3. Reshma S.S. (Absent on 23 rd & 24 th)
28 th to 31 st May 2016		1. Anjana V.R. (Absent on 24 th & 28 th) 2. Anumol S.S. (Absent on 24 th & 31 st) 3. Aswathy A.S. (Absent on 24 th , 28 th & 30 th) 4. Reshma S. (Absent on 24 th , 28 th)

Affirm

[Signature]

PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 VACHUNARAI, THIRUVANANTHAPURAM-695 011



Child Development Centre

(An autonomous Centre under Government of Kerala)
 Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
 Phone : 0471-2553540, Fax : 0471-2447061
 E-mail: dmcd@cdkerala.org, cdkeralagrad@rediffmail.com
 www.cdkerala.org

31.05.2016

No: 01/S2/CDC/16

Dr. Maya Menon
 Assistant Professor
 Department of Psychology
 Govt. College for Women
 Vazhuthacud
 Thiruvananthapuram

Madam,

Sub: Internship Programme for IV semester MSc. Students at CDC- Reg.
 Ref: Your letter dated 12.04.2016 & 17.05.2016

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		3. Reshma S.S. (Absent on 23 rd & 24 th)	
18 th to 31 st May 2016		1. Anjana V.R. (Absent on 24 th & 28 th)	
		2. Anumol S.S. (Absent on 24 th & 31 st)	
		3. Aswathy A.S. (Absent on 24 th , 28 th & 30 th)	
		4. Reshma S. (Absent on 24 th , 28 th)	

Aswathy A.S.

PRINCIPAL
 GOVT. COLLEGE FOR WOMEN
 THIRUVANANTHAPURAM-14

Child Development Centre

(An autonomous Centre under Government of Kerala)
Medical College Campus, Thiruvananthapuram - 695 011, Kerala, India
Phone - 0471-2553540, Fax - 0471-2447061
E-mail: dir@cdc.kerala.org, cdc.kerala@rediffmail.com
www.cdc.kerala.org

31.05.2016

No: 01/S2/CDC/16

Dr. Maya Menon
Assistant Professor
Department of Psychology
Govt. College for Women
Vashuthacaud
Thiruvananthapuram

Madam,

Sub: Internship Programme for IV semester MSc. Students at CDC- Reg.
Ref: Your letter dated 12.04.2016 & 17.05.2016

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Date	Course	Name
17 th to 31 st May 2016	IV Semester MSc. Psychology	1. Betsy Baby (Absent on 23 rd & 24 th)
		2. Jinu Suresh (Absent on 24 th)
		3. Reshma S.S. (Absent on 23 rd & 24 th)
18 th to 31 st May 2016		1. Anjana V.R. (Absent on 24 th & 28 th)
		2. Anumol S.S. (Absent on 24 th & 31 st)
		3. Aswathy A.S. (Absent on 24 th , 28 th & 30 th)
		4. Reshma S. (Absent on 24 th , 28 th)

Athma *Shirile*

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14





राष्ट्रीय अंतर्विषयी विज्ञान तथा प्रौद्योगिकी संस्थान
NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
इंटरडिस्सिप्लिनरी साइंस, प्रौद्योगिकी, तिरुवनन्तपुरम, भारत - 695 019


Council of Scientific and Industrial Research
Industrial Estate P.O., Pappanamcode, Thiruvananthapuram, India-695 019

Dr. P. Prabhakar Rao
Chief Scientist and Head
Materials Science and Technology Division

August 05, 2016

CERTIFICATE

This is to certify that **Ms. ARATHIJITH P.B.** has carried out the M.Sc project work entitled "*Synthesis and characterization of High IR Reflecting Inorganic Pigments based on Rare Earth doped Bi_2CeO_5 System for Energy Saving Applications*" under my guidance at National Institute for Interdisciplinary Science and Technology (NIIST), CSIR, Thiruvananthapuram in partial fulfillment of the requirements for the Degree of Master of Science in Chemistry, Govt. College for Women, Thiruvananthapuram, Kerala University. The present work or any part thereof has not been submitted for the award of any other Degree or Diploma.



Dr. P. Prabhakar Rao
(Project Supervisor)

Tel: 914712490674 Fax: 914712491895, 2491712, 2490369 (D) 2518289/258/384/269/378 E-mail: sco@niist.res.in. Website: <http://www.niist.res.in>

Attache

PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM-14



विक्रम साराभाई अंतरिक्ष केंद्र थिरुवनन्थपुरम - 605 022, भारत दूरभाष - 0471-2562444/2562555 फैक्स - 0471-2706136		Government of India Department of Space Vikram Sarabhai Space Centre Thiruvananthapuram - 605 022, India Telephone - 0471-2562444/2562555 Fax - 0471-2706136
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Polymers and Special Chemicals Division

PSCD/PSCG

Thiruvananthapuram
04th August 2016

CERTIFICATE

This is to certify that the thesis entitled "Effect of Different Alcohols on the Stability of Phenol-Formaldehyde Resin" is an authentic record of the project work done by Ms. Aswini Narayanan of Govt. College for Women, Thiruvananthapuram at Advanced Polymers and Ablatives Section (APAS/PSCD/PSCG/PCM) of Vikram Sarabhai Space Centre, Thiruvananthapuram under my supervision and guidance, during the period April to July 2016 in partial fulfilment of the requirements for the award of the Degree of Master of Science in Chemistry. The results presented in this thesis have not been submitted for the award of any other degree or diploma.



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 Scientist/Engineer SD
 APAS/PSCD/PSCG/PCM

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August 5, 2016

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This is to certify that Ms. DIVYA JAYAN has carried out the M.Sc project work entitled "*Synthesis and Optical Properties of $\text{La}_2\text{CuGe}_2\text{O}_7$ based Green Pigments*" under the guidance of Dr. P. Prabhakar Rao, Chief Scientist & Head, Materials Science and Technology Division, CSIR -National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala in partial fulfillment of the requirements for the Degree of Master of Science in Chemistry, Govt. College for Women, Thiruvananthapuram, Kerala University. The present work or any part thereof has not been submitted for the award of any other Degree or Diploma.


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CERTIFICATE

This is to certify that the work embodied in the thesis entitled: **"ISOLATION AND SYNTHETIC TRANSFORMATION OF BIOACTIVES FROM AZADIRACHTA INDICA LEAVES"** has been carried out by **Ms. GAYATHRI R. S.** under my supervision and guidance at the Organic Chemistry Section, Chemical Sciences and Technology Division of the CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram. The work is carried out in partial requirement for the award of the Master of Science in Chemistry. The present work has not been submitted to any other University or Institute for the award of any Degree or Diploma.

Dr. Sasidhar B. S.

Thiruvananthapuram
June 2016



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**ISOLATION AND IDENTIFICATION OF PHYTOCHEMICAL
CONSTITUENTS OF METHANOLIC EXTRACT OF COCCINIA
GRANDIS (IVY GOURD)**

A work submitted to the University of Kerala in the Partial fulfillment of the requirements
for the award of the degree of

Master of Science in Chemistry

Department of Chemistry, Government College for Women, Thiruvananthapuram



Govt. College for Women
Thiruvananthapuram

By

N. Anjali

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Under the guidance of
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4-July-2016

CERTIFICATE

This is to certify that Ms. Reshma, R., a student of Government College for Women, Vazhuthacaud, Thiruvananthapuram has carried out her project work entitled "Dye-Removal using Activated Carbon and Fe_3O_4 /Oxidized Activated Carbon Magnetic Nanocomposite" under my supervision and guidance for the partial fulfillment of the award of the Degree of Master of Science in Chemistry at the Functional Materials Section (FMS), Materials Science and Technology Division (MSTD), CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram during the period of 4-April-2016 to 3-July-2016.

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ISOLATION OF URSOLIC ACID FROM TULSI LEAVES AND
ITS DERIVATIVE PREPARATION

*Dissertation submitted to the University of Kerala in partial fulfilment of the
Requirements for the award of Aspire scholarship in Chemistry*



By
N.ANJALI

Under The Guidance of
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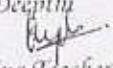
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Certificate

This is to certify that the dissertation entitled "ISOLATION OF URSOLIC ACID FROM TULSI LEAVES AND ITS DERIVATIVE PREPARATION", submitted for the award of the ASPIRE SCHOLARSHIP IN CHEMISTRY of the University of Kerala, is a bonafide record of the research work carried out by N.ANJALI under my supervision and that no part thereof has been submitted earlier for any other Degree.

Dr. Ani Deepthi

(Supervising Teacher)

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