

Workshop on “Computational Quantum Chemistry”

Title:	Workshop on “Computational Quantum Chemistry”
Date:	05.01.2017 – 07.01.2017
Venue:	Fr. Melesius Hall & Computer Science Laboratory
Focus of the Event:	Intellectual Property Rights, Research Methodology
Organizing Body:	Department of Chemistry
Resource Person:	Dr. R. S. Swathi and Dr. Abi T. G
Total Number of Attendees:	75



Event Report

Post Graduate and Research Department of Chemistry Sacred Heart College Thevara and Indian Academy of Sciences jointly organized Science Academics Lecture Workshop on “Computational Quantum Chemistry” held at Computer Science Laboratory of the College on 05 to 07 January 2017. The Program is a Three Day Hands on Training Lecture Workshop in Computational Chemistry for College Teachers. 100 Participants from various parts of the nation attended the workshop. Classes led by Fellows of Indian Academy of Sciences and experts in computational chemistry. Prof ED Jemmis (Professor IISC Bangalore) was the convenor and Dr Abi T G (Assistant Professor, Sacred Heart College) was the coordinator. The resource persons for the program were Prof ED Jemmis (IISER Trivandrum), Dr R S Swathi (IISER Trivandrum), Dr. Parameswharan Pattiyil (NIT Calicut), Dr. G N Sastri (IICT Hyderabad), Dr. M George (Sacred Heart College Thevara), Dr. Abi T. G. (Sacred Heart College Thevara), Prof. M S Gopinathan (IISER Trivandrum)

Additional Pictures



Criterion 3: Research, Innovations and Extension



Criterion 3: Research, Innovations and Extension

Event Brochure

Registration Form

Name (Prof./Dr./Ms./Mx) _____

Designation _____

Organization _____

Address _____

Phone _____

E-mail _____

Date _____

Accommodation required _____

Note:

There is no registration fee for participation. Since the total no. of participants are limited to 100, those who wish to participate should register their names in the earliest. College Teachers and Research Scholars will get the preference for participation. Kindly send the filled-in registration form by e-mail (scanred form) or in person on or before 31-12-2016 to the coordinator. Lunch and refreshments will be provided. Participants are requested to bring their laptop if possible. Those participants who need accommodation should inform the coordinator.

Organizers

General Co-ordinator - Prof. R D Jemmis (Dept of Inorganic and Physical Chemistry IISc Bangalore)


Coordinator - Dr. Abi T G (Sacred Heart College Thevara)

Dr. Joseph John (HOD Chemistry, Sacred Heart College Thevara)

All correspondence shall be addressed to:

Dr. Abi T G
Coordinator, Science Academics Lecture Workshop
 Department of Chemistry, Sacred Heart College (Autonomous), Thevara – 682 013
 Tel: 0484 2870180; Mobile: 9446058403; Email: nhing@shcollege.ac.in

Indian Academy of Sciences



In Association With
 Post Graduate & Research Department Of Chemistry,
 Sacred Heart College (Autonomous) Thevara

SACRED HEART COLLEGE (Autonomous)

Organizes,

Science Academics Lecture Workshop on “Computational Quantum Chemistry”

$\hat{H}|\psi\rangle = E|\psi\rangle$
 $\frac{1}{2} \sum_{i,j} c_{ij} \psi_i \psi_j$

5th-7th January 2017

Venue : Fr. Mclosius Hall & Computer Science Laboratory,
 Sacred Heart College Thevara

INDIAN ACADEMY OF SCIENCES

The Indian Academy of Sciences (IAS), Bangalore founded in 1943 by Sir C. V. Raman aims at promoting the progress and popularizing the cause of science in pure and applied branches. The Academy's activities include publication of scientific journals and special volumes, recognition of scientific talent and improvement of science education. As part of the science education programmes the Indian Academy of Sciences, Bangalore in association with Indian National Science Academy (INSA), New Delhi and The National Academy of Sciences, India, Allahabad organizes programmes for the improvement of science education in Universities and colleges throughout the country.

SACRED HEART COLLEGE (AUTONOMOUS) THEVARA

Sacred Heart College, Thevara is an interdenominational college in Kerala affiliated to V.G. University, Kottayam. The college was established in the year 1944 by the Carmelites of Mary Immaculate (CMI). It was originally affiliated to University of Madras. The college is ideally situated on a peninsula known as Thevara, in the city of Kochi. The Vembanad Lake adds to the beautiful ambience of the campus. In the year 2009, the college was recognized by the National Accreditation and Assessment Council (NAAC) at the Five Star level, and in 2013 it was reaccredited at the A level. As a crowning glory for its history of academic and technological advancements, the institution obtained Autonomous status in June 2014.

Post Graduate & Research Department of Chemistry.

The Department of Chemistry was established in 1944. This year Department is celebrating its Platinum Jubilee. It offers two undergraduate programmes and two post graduate programmes (Chemistry & Pharmaceutical Chemistry). The Department is a recognized research center under Mahatma Gandhi University and is now recognized by DST under FIST programme.

About the Lecture Workshop

Computational chemistry is implemented as an inevitable topic for MSc Chemistry courses of different Universities of Kerala for the last few years. However the essential theory and the practical skills in computational chemistry are not properly conveyed to teaching-learning community. And since this is not a traditional course like other core courses in physical chemistry, it is necessary to provide adaptive training for the faculty members, research scholars and students who have interest in computational chemistry. The three day lecture workshop is intended to serve as a training program in the area of computational quantum chemistry for college teachers and research scholars. The workshop is a combination of lecture and practical sessions. On behalf of the Indian Academy of Sciences and Dept. of Chemistry we cordially invite you to this workshop.

Programme Schedule

05-01-2017 (Thursday)

08:30 - 09:00 am : Registration

09:00 - 09:30 am : Inauguration

09:30 - 11:30 pm : Key-Note Address

Topic : **Introduction to Computational Quantum Chemistry**
 Prof. F.D.Jemmis (IISc Bangalore)

11:30 am : Tea Break

Lecture I & II (11:45 am - 02:30 pm)

Topic : **Hartree Fock Theory and SCF Procedure**
 Dr. R S Swathi (IISER Trivandrum)

01:00 pm : Lunch Break

Lecture III - Practical Session (02:30 pm - 04:30 pm)

Topic : **Computational Chemistry Practicals using a Personal Computer and Free Software.**
 Dr. Abi T.G. (Sacred Heart College Thevara)

06-01-2017 (Friday)

Lecture IV & V (09:30 am - 12:00 pm)

Topic : **Basic Sets used in Computational Chemistry Calculations**
 Dr. Parameswaran Parthyl (IIT Calicut)

10:45 am : Tea Break

Lecture VI & VII (12:00 pm - 02:30 pm)

Topic : **Introduction to Ab Initio and Semi Empirical Methods in Computational Chemistry.**
 Dr. G N Sastri (IIT Calicut)

01:00 pm : Lunch Break

Lecture VIII - Practical Session (02:30 pm - 3:30 pm)

Topic : **Computational Chemistry using Gaussian and Gauss view Programs**
 Dr. M George (Sacred Heart College Thevara)

07-01-2017 (Saturday)

Lecture IX & X (09:30 am - 12:00 pm)

Topic : **Introduction to Density Functional Theory**
 Prof. M S Gopinathan (IISER Trivandrum)

10:45 am : Tea Break

Lecture XI - Practical Session (12:00 pm - 01:00 pm)

Topic : **Computational Chemistry - Procedures and Practices**
 Dr. M George (SH College Thevara)

01:00 pm : Lunch Break

Lecture XII - Practical Session (01:30 pm - 03:30 pm)


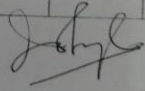
Topic : **Introduction to Molecular Modeling**
 Dr. Abi T.G. (SH College, Thevara)

Criterion 3: Research, Innovations and Extension

Event Attendance Sheet

Indian Academy of Sciences
In Association With
Post Graduate & Research Department of Chemistry
Sacred Heart College (Autonomous), Thevara
Organizes
Science Academics Lecture Workshop on
"Computational Quantum Chemistry"
05 to 07 January 2017
Attendance sheet – Teacher Participants

Sl.No	Name	Teachers	Phone	Institution	Signature					
					05-01-17		06-01-17		07-01-17	
					FN	AN	FN	AN	FN	AN
1	A GopalaKrishnan	Teacher	9600081260	DGV College Chennai	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	Padmakumar K	Teacher	9447322350	Govt.College Palakkad	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	Tony Francis	Teacher	9605280775	St.Marys Manarcad	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	Dr.Sarish S.	Teacher	9446689259	NSS College PANDALAM	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	Tijo Antony	Teacher	9562097545	Pavanathama College Murickkassery	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	Monu Joy	Sci. Assistant	8129167512	MGU						



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	Name	Designation	Phone No.	Institution	5/1/17		6/1/17		7/1/17	
					FN	AN	FN	AN	FN	AN
7	Paulcy Rani P.R	Teacher	9496174591	Govt College TVM Kanavattom	<i>Paulcy</i>	<i>Paulcy</i>	<i>Paulcy</i>	<i>Paulcy</i>	<i>Paulcy</i>	<i>Paulcy</i>
8	Suji C S	Teacher	9496994054	Govt College FMM for women, Puzh	<i>Suji</i>	<i>Suji</i>	<i>Suji</i>	<i>Suji</i>	<i>Suji</i>	<i>Suji</i>
X 9	Dr Sajithra C V	Teacher	8547982952	Govt College TVM						
X 10	Dr Deepa K	Teacher	9447477514	KAHM Unity College Manjeri						
11	Shilpa Joy	Teacher	9656720377	K E Mannanam	<i>Shilpa</i>	<i>Shilpa</i>	<i>Shilpa</i>	<i>Shilpa</i>	<i>Shilpa</i>	<i>Shilpa</i>
12	Dr Sr Gignol	Teacher	8606501148	Alphonsa Pala	<i>Gignol</i>	<i>Gignol</i>	<i>Gignol</i>	<i>Gignol</i>	<i>Gignol</i>	<i>Gignol</i>
13	Elsy Shereena	Teacher	9947046768	Malabar Christian College	<i>Elsy</i>	<i>Elsy</i>	<i>Elsy</i>	<i>Elsy</i>	<i>Elsy</i>	<i>Elsy</i>
14	Prajila M	Teacher	9961980451	FIP Calicut Uni	<i>Prajila</i>	<i>Prajila</i>	<i>Prajila</i>	<i>Prajila</i>	<i>Prajila</i>	<i>Prajila</i>

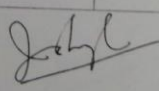


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	Name	Designation	ID No.	Institution	5/1/17		6/1/17		7/1/17	
					FN	AN	FN	AN	FN	AN
15	Rugmini Ammal	Teacher	9495889961	FIP Calicut Uni	<i>Rugmini</i>	<i>Rugmini</i>	<i>Rugmini</i>	<i>Rugmini</i>	<i>Rugmini</i>	<i>Rugmini</i>
16	Thomas V Mathew	Teacher	9745180355	St.Thomas College, Pala	<i>Thomas</i>	<i>Thomas</i>	<i>Thomas</i>	<i>Thomas</i>	<i>Thomas</i>	<i>Thomas</i>
17	Jude Martin Mendez	Teacher	9447032729	St.Alberts College, Ernakulam	<i>Jude</i>	<i>Jude</i>	<i>Jude</i>	<i>Jude</i>	<i>Jude</i>	<i>Jude</i>
18	Savitha K U	Teacher	8281329430	NSS Hindu College, Changanassery						
19	Roji J Kunnath	Teacher	9995287251	T.M Jacob Memorial Government College, Koothattukulam	<i>Roji</i>	<i>Roji</i>	<i>Roji</i>	<i>Roji</i>	<i>Roji</i>	<i>Roji</i>
20	Mathews K Manayani	Teacher	9995756627	Nirmala College, Muvattupuzha	<i>Math</i>	<i>Math</i>	<i>Math</i>	<i>Math</i>	<i>Math</i>	<i>Math</i>
21	Remalakshmi Poduval	Teacher	8907078866	D.B College, Thalayolaparambu	<i>Rema</i>	<i>Rema</i>	<i>Rema</i>	<i>Rema</i>	<i>Rema</i>	<i>Rema</i>
22	Jalaja J Malayan	Teacher	9961570352	Baselius College, Kottayam	<i>Jalaja</i>	<i>Jalaja</i>	<i>Jalaja</i>	<i>Jalaja</i>	<i>Jalaja</i>	<i>Jalaja</i>


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	Name	Designation	ID No.	Institution	5/1/17		6/1/17		7/1/17	
					FN	AN	FN	AN	FN	AN
15	Rugmini Ammal	Teacher	9495889961	FIP Calicut Uni	<i>Rugmini</i>	<i>Rugmini</i>	<i>Rugmini</i>	<i>Rugmini</i>	<i>Rugmini</i>	<i>Rugmini</i>
16	Thomas V Mathew	Teacher	9745180355	St.Thomas College, Pala	<i>Thomas</i>	<i>Thomas</i>	<i>Thomas</i>	<i>Thomas</i>	<i>Thomas</i>	<i>Thomas</i>
17	Jude Martin Mendez	Teacher	9447032729	St.Alberts College, Ernakulam	<i>Jude</i>	<i>Jude</i>	<i>Jude</i>	<i>Jude</i>	<i>Jude</i>	<i>Jude</i>
18	Savitha K U	Teacher	8281329430	NSS Hindu College, Changanassery						
19	Roji J Kunnath	Teacher	9995287251	T.M Jacob Memorial Government College, Koothattukulam	<i>Roji</i>	<i>Roji</i>	<i>Roji</i>	<i>Roji</i>	<i>Roji</i>	<i>Roji</i>
20	Mathews K Manayani	Teacher	9995756627	Nirmala College, Muvattupuzha	<i>Math</i>	<i>Math</i>	<i>Math</i>	<i>Math</i>	<i>Math</i>	<i>Math</i>
21	Remalakshmi Poduval	Teacher	8907078866	D.B College, Thalayolaparambu	<i>Rema</i>	<i>Rema</i>	<i>Rema</i>	<i>Rema</i>	<i>Rema</i>	<i>Rema</i>
22	Jalaja J Malayan	Teacher	9961570352	Baselius College, Kottayam	<i>Jalaja</i>	<i>Jalaja</i>	<i>Jalaja</i>	<i>Jalaja</i>	<i>Jalaja</i>	<i>Jalaja</i>


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					5/1/17		6/1/17		7/1/17	
					FN	AN	FN	AN	FN	AN
23	Suma Bino Thomas	Teacher	9446125353	Basilius College, Kottayam	<i>SB</i>	<i>SB</i>	<i>SB</i>	<i>SB</i>	<i>SB</i>	<i>SB</i>
24	Anjana V N	Teacher	9497366030	SSV College, Valayanchirangara	<i>AVN</i>	<i>AVN</i>	<i>AVN</i>	<i>AVN</i>	<i>AVN</i>	<i>AVN</i>
25	Navya K.N	Teacher	9633981804	SSV College, Valayanchirangara	<i>NKN</i>	<i>NKN</i>	<i>NKN</i>	<i>NKN</i>	<i>NKN</i>	<i>NKN</i>
26	Anju Paul	Teacher	9496364767	SSV College, Valayanchirangara	<i>AP</i>	<i>AP</i>	<i>AP</i>	<i>AP</i>	<i>AP</i>	<i>AP</i>
27	Ajmala Shireen P	Teacher	9495565198	Al Ameen college Aluva	<i>ASP</i>	<i>ASP</i>	<i>ASP</i>	<i>ASP</i>	<i>ASP</i>	<i>ASP</i>
28	Derry Holaday M.G	Teacher	9142311548	STC Ernakulam	<i>DHM</i>	<i>DHM</i>	<i>DHM</i>	<i>DHM</i>	<i>DHM</i>	<i>DHM</i>
29	Anju Linda Varghese	Teacher	9846600644	Catholicate College, Pathanamthitta	<i>ALV</i>	<i>ALV</i>	<i>ALV</i>	<i>ALV</i>	<i>ALV</i>	<i>ALV</i>
30	Zcena P Hamza	Teacher	9446053068	Maharajas College, Ernakulam	<i>ZPH</i>	<i>ZPH</i>	<i>ZPH</i>	<i>ZPH</i>	<i>ZPH</i>	<i>ZPH</i>



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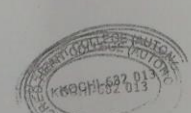
	Sl. No.	Name	Designation	Phone No.	Institution	5/1/17		6/1/17		7/1/17	
						FN	AN	FN	AN	FN	AN
	31	Sudheesh N	Teacher	8547885178	NSS College, Panadalam	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
X	32	Divya K.M	Teacher	9995215695	NSS College, Panadalam	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	33	Jolly V Antony	Teacher	9446345851	Maharajas College, Ernakulam	<i>[Signature]</i>					
	34	Bindu Sharmila	Teacher		Maharajas College, Ernakulam	<i>[Signature]</i>					
	35	Femeeta Mary A G	Teacher	9048749170	Morning star, Angamaly	<i>[Signature]</i>					
	36	Soumini C	Teacher	9446073961	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	37	Manu Kumar N	Teacher	9605892824	TVM	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	38	Anoop M R	Teacher	9447513216	St. Stephens College, Kollam	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	39	Priya Varma C	Teacher	9961200626	Mercy College, Palakkad	<i>[Signature]</i>					



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Sl.No	Name	Designation	Phone	Institution	3/1/17		6/1/17		7/1/17	
					FN	AN	FN	AN	FN	AN
40	Jibin K Varughese	Teacher	9446467684	DHSE, Malappuram	h	h	h	h	h	h
41	Deepa K	Teacher	9447477514	KAHM Unity womens college, Manjeri	Bilaga	Bilaga	Bilaga	Bilaga	Bilaga	Bilaga
42	JENISH PAUL	Teacher	9496462165	V.C.College Aluva	h	h	h	h	h	h
43	Dr. Joseph George	Asst. Prof.	9895566221	S.H.College, Thevara	Joseph	Joseph	Joseph	Joseph	Joseph	Joseph
44	Raj. K.B.	Asst. Prof.	9048902721	SAJAS College Pattamb.	h	h	h	h	h	h



Joseph

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Attendance sheet – Research Scholars Participants**

Sl.No	Name	Research Scholar	Phone	Institution	Signature					
					05-01-17		06-01-17		07-01-17	
					FN	AN	FN	AN	FN	AN
1	Francis Thomas	Research Scholar	9495045619	CU Kasargode	FT	FT	FT	FT	FT	FT
2	Mijun Chandran	Research Scholar	9496081992 9847594457	CU Kasargod	MC	MC	MC	MC	MC	MC
3	Jumanath E C	Research Scholar	9745789395	Calicut University						
4	Anju Paulson	Research Scholar	9400939830	Calicut University	AP	AP	AP	AP	AP	AP
5	Anju L S	Research Scholar	9400400624	N M College Marthandam	AL	AL	AL	AL	AL	AL



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	Sl. No.	Name	Category	Institution	5/1/17		6/1/17		7/1/17		
					FN	AN	FN	AN	FN	AN	
6		Shamsēera K O	Research Scholar	9847372131	Calicut University	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7		Julia Garvasis	Research Scholar	8086315213	Calicut Uni	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8		Anupama R Prasad	Research Scholar	9846906171	Calicut Uni	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9		Sajesh K P	Research Scholar	9645302451	MGU	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10		Minu Elizabeth <i>[Signature]</i>	Research Scholar	9562578730	MGU	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11		Deepti Murali	Research Scholar	7034910210	MGU	X					
12		Taniya Rose	Research Scholar	9544816907	MGU	X					
13		Aiswarya Purushothaman	Research Scholar	9496081992	CU Kasargode	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14		Sashikala K	Research Scholar	9633476869	CU Kasargode	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15		Anusha A	Research Scholar	9048284225	CU Kasargode	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16		Hijas K M	Research Scholar	9605241561	NIT Trichy	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

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	Sl. No.	Name	Category	Institution	5/1/2017		6/1/2017		7/1/2017	
					FN	AN	FN	AN	FN	AN
17		Hiba Haneef	Research Scholar	8281781881	Providence Calicut	X				
18		Sheeja Mol (Green Land Accom) <i>[Signature]</i>	Research Scholar	9946319322	MM NMCC Marthandan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
19		Lincy Tom	Research Scholar	9562801200	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
20		Jessica Elizabeth Philip	Research Scholar	9496204311	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
21		Sona Narayanan	Post Doc Fellow	9496826853	M.G Uni	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
22		Shaibuna M	Research Scholar	8086580190	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23		Anjali C.P	Research Scholar	9048451162	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
24		Shebitha A.M	Research Scholar	8714973888	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
25		Thomas Abraham	Research Scholar	9746547676	M.G Uni	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26		Sreejith S.S	Research Scholar	9567813008	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27		Shameem K	Research Scholar	9633988338	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

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Criterion 3: Research, Innovations and Extension

Sl. No.	Name	Category	ID No.	Institution	5/1/2017		6/1/2017		7/1/2017	
					FN	AN	FN	AN	FN	AN
28	Nithya Mohan	Research Scholar	8281911210	CUSAT						
29	Rakesh N.	Research Scholar	9446505210	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
30	Maria Linsha P.L.	Research Scholar	8547548943	S.H.College, Thevara	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
31	Aiswarya N	Research Scholar	9496837325	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
32	Samecha A.P	Research Scholar	9947998123	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33	Aswathy Ajayakumar	Research Scholar	8281126268	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34	Nishad K.M	Research Scholar	9947644166	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35	Honey Mary Joseph	Research Scholar	9496184967	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36	Vineetha P.K.	Research Scholar	9497291193	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	Shandev P.P	Research Scholar	9544627882	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38	Aswathy C S	Research Scholar	9539124323	CUSAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



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