

Programme 19 - Interactive session on Material Science (Dec 5&6, 2019)

ACTIVITY REPORT FORMAT

Activity Report of Capacity Building Programme/ Skills Enhancement Initiative (1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. ICT/Computing Skills) Should contain following details

Name of Capacity Building/Skills enhancement Programme	Interactive Sessions on Material Science
Organized by (Mention Department/Cell/Club Name)	Department of Chemistry Government College Chittur
Co-ordinator	Dr. Sarada Karangadan
Date of Activity	(05 th – 6 th December 2019)
Mode of Activity	offline
Name of the agencies/consultants involved with contact details	Collegiate Education, Govt. of Kerala Sponsored
Number of Students Enrolled	150
Resource Persons	<p>1. Dr. SEEMA Recipient of “Nari Shakthi Puraskar” Highest Civilian Honor for Women in India Scientist - Centre for Materials for Electronics Technology (C-MET)</p> <p>2. Dr. RENUKA N K Asso. Professor, Dept. of Chemistry University of Calicut</p> <p>3. Dr. PRADEEPAN PERIYAT Asst. Professor, Dept. of Chemistry University of Calicut</p> <p>4. Dr. BINITHA N N Asst. Professor, Dept. of Chemistry Sree Neelakanda Govt. Sanskrit Colleg Pattambi</p>
Venue	Music Concert Hall
Programme Objectives	To enhance Scientific temper in students
Programme Outcome	New innovations by the scientists inspired the participants.




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About The
Programme

**NATIONAL SEMINAR ON
RECENT TRENDS IN
MATERIALS SCIENCE
(NSRTMS-2019), 5th – 6th
December, 2019**

The Department of Chemistry, Govt. College Chittur, organized a National Seminar entitled “National Seminar on Recent Trends in Materials Science (NSRTMS-2019)” during 5th-6th December 2019. The two days long meeting started on 5th morning with the inaugural ceremony at the music concert hall where the honorable principal of the college Dr. N Veeramanikandan presided over the proceedings. The meeting started with a welcome note by the LT. Dr. Rijulal G (H.O.D, Dept. of Chemistry & Syndicate Member, University of Calicut) followed by the presidential address of Dr. N Veeramanikandan. The formal inauguration of NSRTMS-2019 was done by the guest of honour Dr. A SEEMA, Scientist, Centre for Materials for Electronics Technology (C-MET) who is the recipient of “Nari Shakthi Puraskar” Highest Civilian Honor for Women in India in 2019, by lighting the traditional lamp. In the brief inaugural address Dr Seema stressed on the need and relevance of new and smart materials - the main theme of the seminar. Dr. Richard Scaria, PTA Secretary (Asst. Prof. in Geography) and Mr. Shabir, college union chairman gave felicitations and the meeting concluded with the vote of thanks by the programme coordinator Dr. Sarada Karangadan.

The scientific session started with the keynote address by Dr. A SEEMA on the topic "Sensors - Challenges and Innovations". Dr. SEEMA in her exemplary and vibrant way of presentation gave a detailed account of the emerging trends in material science. She explained the thermal sensor based screening devices for early detection and screening of




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breast cancer. (This method ensures privacy, is painless and portable and takes only 30 minutes to give results. Also, it is a much cheaper method than a digital mammogram. This low-cost device has a potential to revolutionize the screening of breast cancer in India). Also the possibility of more such findings and the challenges faced during the inventions. The lecture was followed by an interactive session where the participants actively contributed.

The afternoon session was started with the invited talk by Dr. N K Renuka Assoc. Professor, Dept. of Chemistry, University of Calicut, titled "Graphene for water Remediation". She explained the tunability of graphene, which can act as an optical sensor for detecting heavy metal ions in drinking water. The opening day was then concluded with an interactive session.

The final day of the seminar opened with the much awaited plenary talk by Dr. Pradeepan Periyat, Asst. Professor, Dept. of Chemistry, University of Calicut on the topic "Black TiO₂ Nanomaterials - Synthesis, Characterization and Applications". In his well-crafted lecture, he categorically explained how one can synthesize nanomaterials with tunable properties. His lecture created positive interactions. Post lunch session started with the invited lecture by Dr. BINITHA N.N, Asst. Professor, Dept. of Chemistry, Sree Neelakanda Govt. Sanskrit College, Pattambi, covering active research areas of Graphene based Smart Materials for Sensor Applications.

The last session of the ending day was the contributory oral presentations by the young researchers and faculty members. Followed by the oral presentation, a poster presentation session was conducted. Dr. Sreenivasan K. P Asst. Prof. in



	<p>Chemistry, MES College, Mannarkkad and Mrs. Memcy C.K, Asst. Prof. in Chemistry, Mercy College, Palakkad were the winners of oral and poster presentation respectively. The two-day seminar NSRTMS-2019 came to an end with a brief valedictory function where Mrs. Saranya K.P, Asst. Prof in Chemistry, Govt. College Chittur delivered the valedictory notes. The prizes for the best oral and poster presentations were given away in the function.</p>
<p>Brochure</p>	<p style="text-align: center;">  Seminar brochure (1).pdf </p>
<p>Attendance Sheet</p>	
<p>Geo Tagged Photo</p>	

Photo - Interactive session on Material Science (Dec 5&6, 2019)




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Photos- Interactive session on Material Science (Dec 5&6, 2019)




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PROGRAMME SCHEDULE

Day 1- 05/12/2019
09.00 AM - 9.30 AM

9.30 AM	REGISTRATION
	INAGURAL SESSION
WELCOME ADDRESS	LT. Dr. RIJULAL G (Asst. professor & Syndicate Member, University of Calicut)
PRESIDENTIAL ADDRESS	Dr. N VEERAMANIKANDAN Principal Govt. College Chittur
INAGURATION	Dr. A. SEEMA Scientist, Centre for Materials for Electronics Technology (C-MET) (Recipient of "NariShakthi Puraskar" Highest Civilian Honor for Women in India)
FELICITATION	Dr. SHINELAL.E IQAC Coordinator Govt. College Chittur
	Dr. RICHARD SCARIA PTA Secretary Govt. College Chittur
VOTE OF THANKS	Dr. SARADA KARANGADAN Coordinator & Asst. professor Dept. of chemistry Govt. College Chittur

DAY- 1, 05/12/2019
10.00 AM - 1.00 PM: SESSION-I

Invited Lecture	Dr. A. SEEMA Scientist (C-MET) Trissur
	"Sensors - Challenges and Innovations"
01.00 PM - 02.00 PM	LUNCH BREAK

2.00 PM- 5.00 PM: SESSION-II

Invited Lecture	Dr. N. K. RENUKA Assoc. Professor, Dept. of Chemistry University of Calicut
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"Graphene for water Remediation"

DAY- 2, 06/12/2019
10.00 AM - 1.00 PM: SESSION-III

Invited Lecture	Dr. PRADEEPAN PERIYAT Asst. Professor, Dept. of Chemistry University of Calicut
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"Black TiO₂ Nanomaterials - Synthesis, Characterization and Applications"

01.00 PM - 02.00 PM: **LUNCH BREAK**

2.00 PM- 3.15 PM: SESSION-IV

Invited Lecture	Dr. BINITHA N.N. Asst. Professor, Dept. of Chemistry Sree Neelakanda Govt. Sanskrit College, Pattambi
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"Graphene based Smart Materials for Sensor Applications"

03.30 PM - 04.30 PM **PAPER PRESENTATIONS**

4.30 PM **VALEDICTORY SESSION**

**Feedback collection
Prize distribution and
Certificate distribution**

NSRTMS-2019

**NATIONAL SEMINAR
ON**

**RECENT TRENDS IN MATERIALS SCIENCE
(NSRTMS-2019)**

5th - 6th December, 2019



Organized by
**DEPARTMENT OF CHEMISTRY
GOVT. COLLEGE CHITTUR
PALAKKAD**

Sponsored By
Directorate of Collegiate Education
Govt. of Kerala

Venue
**MUSIC CONCERT HALL
Govt. College Chittur**



INVITATION

The Department of Chemistry, Govt. College Chittur welcomes you to the National Seminar entitled "National Seminar on Recent Trends in Materials Science (NSRTMS-2019) to be held during 5th-6th December 2019, at Govt. College Chittur. We cordially invite all the participants who are interested in sharing their knowledge and ideas in the pertaining area of scientific study. This will provide an excellent opportunity to students and researchers of the region to meet and interact with scientists of eminence. Material science is an interdisciplinary research field that addresses many scientific challenges, in areas such as environment protection, drug discovery and sustainable development, etc. Therefore researchers who are working in different areas of botany, zoology, physics, geography, geology or any other area, who find this seminar appropriate for presenting some of their works are welcome to participate in the Seminar.

PROGRAMME

The programme of the seminar will include invited papers, oral and poster presentations by faculty scientists and research scholars. Lectures by eminent scientists will be an important feature of the Seminar.

In order to encourage research scholars/ young scientists towards academic participation, the following initiatives are taken

- A few selected research scholars will be given an opportunity to give oral presentation.
- Best Oral and Poster presentations will be awarded.

REGISTRATION

For registration please contact:

Dr. Sarada Karangadan
Coordinator & Asst. Professor
Dept. of Chemistry
Govt. College Chittur
Palakkad-678104
Ph. +91- 9634428312

PROCEDURE FOR REGISTRATION

In order to participate in the Seminar, registration can be done in prescribed format (MS Word) by sending as attachment in an e-mail to chemgccseminar@gmail.com

- Name
- Designation
- Name of Institute
- Address
- Mobile No
- E-mail
- Title of the paper (for paper presenter)
- Accommodation required(Y/N)

ACCOMMODATION

Need-based accommodation will be made available in the College Hostel.

SUBMISSION OF ABSTRACT

The abstract may be sent as an email attachment to chemgccseminar@gmail.com. Hard copy of abstract is not required.

Format for Abstract

Should be created in MS Word using Times new roman font. The abstract should be within 200 words.

Title (14 pt., bold, centered); Text (12 pt. and 1.5 line spacing).

The recommended poster size shall be 120 x 100cm

The selected full papers will be published in the seminar proceedings abstract book with ISBN number.

IMPORTANT DATES

Submission of Abstract: 25/11/2019

Submission of Full paper (4th copy): 04/12/2019

ORGANIZING COMMITTEE

Chairperson	Dr. N Veeramanikandan Principal, Govt. College Chittur
Head of the Dept.	LT. Dr. Rijulal G (Asst. Professor Syndicate Member, University of Calicut)
Coordinator	Dr. Sarada Karangadan (Asst. Professor)

Teaching Faculty

Dr. Nishad K.M (Asst. Professor)
Smt. Saranya K.P (Asst. Professor)
Smt. Salini F. (Guest Lecturer)

Non-Teaching Staff

Joisen K V
Ramesh P B

ABOUT THE COLLEGE AND DEPARTMENT

Govt. College Chittur is established in 1947; spread over 47 acres on the sides of serene and beautiful Sokanasiniriver. The heritage campus is inhabited by above 300 species of Fauna and 600 species of Flora. The college is running under collegiate Education Department, Govt. of Kerala and is affiliated to University of Calicut. It is a special grade college accredited with 'A' grade by NAAC. It provides 14 undergraduate, 7 postgraduate and 5 Research departments in Science, Arts and Commerce.

Dept. of Chemistry started its journey way back in the year 1957, with B. Sc (H). It is one of the finest departments of the college. It has a rich alumni who are well established in different spheres of life.

HOW TO REACH

Govt. College Chittur is situated a distance of 20 Km from Palakkad town. The nearest railway station is Palakkad junction situated at Olavakkode. From Olavakkode, one has to reach stadium stand to board the bus going to Anikode. From Anikode there are direct bus services to Chittur College.



**GOVERNMENT COLLEGE CHITTUR, PALAKKAD
DEPARTMENT OF CHEMISTRY**

Collegiate Education, Govt. Of Kerala Sponsored Two Day National Seminar- NSRTMS- 2019
"National Seminar on Recent Trends in Materials Science" (05th -06th December 2019)

REGISTRATION (Faculty)

Sl. No.	Name and Designation and address	Mobile No. & Email ID	Signature
1	Smelhu R Dept. of Commerce	8089527269.	
2	Dr. Prasia P. Asst. Prof in Physics.	prasiapankunni@gmail.com	
3	Dr. Shariha C.P Asst. Professor in Chemistry. M.E.S. Kalladi College, Mannarkkad	sharihaamed@gmail.com 989522942	
4	Juliga A.P Asst. Professor, Chemistry M.E.S. Kalladi College, Mannarkkad	juliyashin@gmail.com 8547476721	
5	Ambily Jacob K. Assistant Professor Mercy College, Palakkad	9446871150 ambilykji@gmail.com	
6	Memsy C.K Assistant Professor, Mercy College, Palakkad	9400541093 memsyjoseph12@gmail.com	
7	Tanuja Antony, Assistant Professor Mercy College, Palakkad	9495597514 tanujopalayoor@gmail.com	
8	Dr. Greenivasan K.P. Asst. Professor, Dept. of Chemistry M.E.S. Kalladi College, Mannarkkad	9947153498 greenikem@gmail.com	
9	Sangeetha K.G Asst. Professor Zamath's Vennu Vayappan College	9946387359 sangstkg@gmail.com	
10	Jasita Khejesh. N.S. Asst. Professor, Dept of Economics Govt college chittur.	9447094952	



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Sl. No.	Name and Designation and address	Mobile No. & Email ID	Signature
11	Jyothi k.k Asst. Professor h.c.c.	9745474254	
12	Sulsha Sree V Asst Professor u.c.c.	91495339809	
13	Dr. Simma V Asst. Professor, Philosophy u.c.c.	9400469068	
14	Mohanan P Prof u.c.c.	8281587883	
15	Dr. Sujala Nair Guest faculty. Dept of Philosophy u.c.c.	9817096883	
16	Dr. C. B. Nair Asst. prof, Philosophy, u.c.c.	-	
17	Sindhu S Asst. Prof - Electronics u.c.c.	9947192469	
18	Nishamol M S Asst. prof of Electronics Govt. College Chittur	9497368525	
19	Dr. Anjana V.R. Asst. prof. Malayalam u.c.c.	9446635427	
20	Dr. Geetha H. Asst. prof Sanskrit Department.	9746634315	
21	ROOBINA A Geography Department	9496353253	



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Sl. No.	Name and Designation and address	Mobile No. & Email ID	Signature
22	Suresh P, Asst. Professor Croyyaly	9605050201 sureshp@pc	
23	Vishnu Kabil . M	9400732854 vishnukabil.m@gmail	
24.	Dr. S. Fathima Asst. Prof of Tamil	9400334135 fathimasaj@gmail.	
25.	Dr. G. Mulheratharini Asst. Professor in Tamil	9447628109 mulheratharini2010@gmail.com	
26.	Dr. Muhammed Musthafa. T Asst. prof, Chemistry, Mamsakal MES College		
27.	Dr. Lakshmi Priya. Asst. prof Mpmmsw college Shoranur		
28	Dr. Rajesh, Asst. prof Dept. of Chemistry, SN college Athur		
29.	Mrs Asha. ps Asst. prof Dept of Chemistry. MPMMSW college Shoranur		
30	Dr. Shernija mol H N Asst. Professor Hindi	9539802957 shernijamol@gmail.com	
31.	Dr. AMBILI T Asst. Professor HINDI	7337605085	
32.	Saranya. k.P Asst. professor Dept. of Chemistry Govt. college Chittoor	Saranya Sankar287@gmail.com 9400427018	



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Sl. No.	Name and Designation and address	Mobile No. & Email ID	Signature
33	Salini F Guest Lecturer, Chemistry Chittur Govt. College	812405309 surnifrances5555@gmail.com	
34	H. Dr. Rijulal G HOD, Dept of Chemistry Govt. College Chittur.	rijulal.g@gmail.com 9961550625	
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