

**Hands on Training on  
“Construction of Batteries – A National Hydrogen Mission Step towards Perfect Green E -  
mobility”  
under  
DBT Star College Scheme (Star Status) on 22.12.2023**

**Permission Letter**

From

M. Malarvizhi,  
Head, Department of Chemistry,  
Sri G.V.G Visalakshi College for Women (Autonomous),  
Udumalpet.

To

The Principal,  
Sri G.V.G Visalakshi College for Women (Autonomous),  
Udumalpet.

Sub: Permission to conduct activity under DBT Star College Scheme (Star Status) reg.

Respected Madam,

Under DBT Star College Scheme (Star Status) with reference to grant sanction Order No.102/IFD/SAN/1591/2023-24 dated 27.09.2023, we planned to organize Guest Lecture on "Dye Sensitized Solar Cells: A Safe Bet for Near Future" and Hands on Training on "Construction of Batteries-A National Hydrogen Mission Step Towards Perfect Green E-Mobility" on 22.12.2023 at Assembly Hall I. Kindly grant us permission to do so and also provide Invitation and Attendance Certificate for Resource Person.

Thanking you

Station: Udumalpet  
Date : 19.12.2023

Yours sincerely,

*M. Malarvizhi*

*ml*  
PRINCIPAL i/c  
SRI GVG VISALAKSHI COLLEGE  
FOR WOMEN (AUTONOMOUS)  
VENKATESA MILLS (POST),  
UDUMALPET - 642 128.

22/12/23 Honorarium Rs 4000  
TA Rs 4860  
+ Refreshment for Resource person.

Sri G.V.G Visalakshi College for Women (Autonomous), Udumalpet

**Department of Chemistry**

GVGVC/CHEM/2023-2024/CIR/04

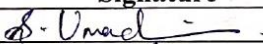
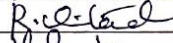
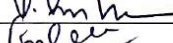
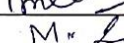

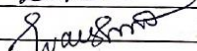
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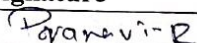
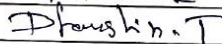
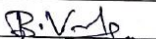
**Dear Professors and Students,**

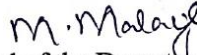
Department of Chemistry is planned to organize **Guest Lecture on "Dye Sensitized Solar Cells: A Safe Bet for Near Future"** at Assembly Hall I (10.00 am) and **Hands on Training on "Construction of Batteries-A National Hydrogen Mission Step Towards Perfect Green E-Mobility"** at Chemistry Laboratory (01.30 pm) on 22.12.2023 All the faculty members and students of the Department are invited.

Thank you

Date: 19.12.2023

S.No.	Name of the Faculty	Signature
1	Dr.S. Umadevi	
2	Mrs. R. Chitradevi	
3	Mrs. V. Anitha	
4	Dr. J. Bhuvaneswari	
5	Dr. M. Indrani	
6	Dr. E. Vaishnavi	

S. No.	Class	Representative	Signature
1	I UG	Pranavi R	
2	II UG	Dharshini T	
3	III UG	Vinimitha B	

  
Head of the Department

  
Principal  
PRINCIPAL i/c  
SRI GVG VISALAKSHI COLLEGE  
FOR WOMEN (AUTONOMOUS)  
VENKATESA MILLS (POST),  
UDUMALPET - 642 128.



**SRI G.V.G VISALAKSHI COLLEGE FOR WOMEN**

Udumalpet, Tamilnadu, India

Autonomous - Affiliated to Bharathiar University - An ISO 9001 - 2015 Certified Institution -  
Re-Accredited at 'A+' Grade by NAAC (Fourth Cycle)

**Department of Chemistry**

*Cordially Invites you to a*

***Hands on Training***  
*on*

**Construction of Batteries**

**Under DBT Star College Scheme (Star Status)**



**22 DEC, 2023**



**09.30 AM**

**SPEAKER**



**DR. A. PANDIKUMAR**

**Senior Scientist  
Functional Materials Division  
CSIR-Central Electro Chemical Research Institute  
Karaikudi - 630003. Tamil Nadu.**

**PATRON**



**DR. N. LAKSHMI**

**Principal I/c**



## Our Agenda

- Prayer Song : M. Tamizhamudhu, III B. Sc Chemistry
- Welcome Address : M. Dhivyadharshi, II B. Sc Chemistry
- Resource Person Introduction : Dr. S. Umadevi, Associate Professor  
Department DBT Coordinator
- Resource Person : Dr. A Pandikumar, Senior Scientist  
Functional Materials Division  
CSIR-Central Electro Chemical Research Institute  
Karaikudi – 630003. Tamil Nadu.
- Time: 09. 30 a.m.  
Venue : Conference Hall : Guest Lecture on Dye Sensitized Solar  
Cells – A Safe Bet for Near Future
- Time: 01. 30 p.m.  
Venue : Chemistry Lab : Hands on Training on Construction of  
Batteries-A National Hydrogen Mission Step  
Towards Perfect Green
- Vote of Thanks : B. Vinumitha, III B. Sc Chemistry

### Coordinators

**Dr. S. Umadevi, Associate Professor**  
**Dr. J. Bhuvaneswari, Assistant Professor**  
**Dr. E. Vaishnavi, Assistant Professor**

### Organising Committee

**Dr. M. Malarvizhi, Head and Associate Professor,  
DBT Coordinator**  
**Mrs. R. Chitradevi, Assistant Professor**  
**Mrs. V. Anitha, Assistant Professor**  
**Dr.M. Indrani, Assistant Professor**



# SRI G.V.G VISALAKSHI COLLEGE FOR WOMEN

(Autonomous)

Accredited at 'A+' Grade by NAAC

An ISO Certified Institution

Udumalpet

## DEPARTMENT OF CHEMISTRY

### Hands on Training on Construction of Batteries

Under DBT Star College Scheme (Star Status)

#### Programme Sheet

**Date:** 22.12.2023

**Prayer Song** : **M. Tamizhamudhu, III B. Sc Chemistry**

**Welcome Address** : **M. Dhivyadharshi, II B. Sc Chemistry**

**Resource Person Introduction** : **Dr. S. Umadevi, Associate Professor  
Department DBT Coordinator**

**Resource Person** : **Dr. A Pandikumar, Senior Scientist  
Functional Materials Division  
CSIR-Central Electro Chemical Research Institute  
Karaikudi - 630003. Tamil Nadu.**

**Time:** 09. 30 a.m.

**Venue : Conference Hall** : **Guest Lecture on Dye Sensitized Solar  
Cells - A Safe Bet for Near Future**

**Time:** 01. 30 p.m.

**Venue : Chemistry Lab** : **Hands on Training on Construction of Batteries-  
A National Hydrogen Mission Step Towards  
Perfect Green**

**Vote of Thanks** : **B. Vinumitha, III B. Sc Chemistry**

:


**Programme Coordinators** : **Dr. S. Umadevi, Associate Professor  
Department DBT Coordinator  
Dr. J. Bhuvaneswari, Assistant Professor  
Dr. E. Vaishnavi, Assistant Professor**

**Organizing Committee** : **Dr. M. Malarvizhi, Head and Associate Professor,  
DBT Coordinator  
Mrs.R.Chitradevi, Assistant Professor  
Mrs. V. Anitha, Assistant Professor  
Dr.M. Indrani, Assistant Professor**



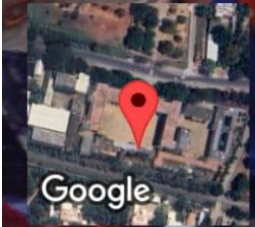
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GVG College Bus Stop, National Highway 209, Udumalaipettai, Tamil Nadu 642128, India  
Lat 10.578078°  
Long 77.266112°  
22/12/23 01:31 PM GMT +05:30



 GPS Map Camera







**Udumalaipettai, Tamil Nadu, India**

GVG College Bus Stop, National Highway 209, Udumalaipettai, Tamil Nadu 642128, India

Lat 10.578011°

Long 77.266101°

22/12/23 03:00 PM GMT +05:30



## Hands-On Training - Construction of Batteries.

Date: 22-12-2023 Venue: Chemistry Lab Time: 10 am to 4 pm.

Resource Person: Dr. A. Pandikumar, Senior Scientist

Functional materials division, CSIR-CERT, Karaikudi.

The Programme started with welcome address by Divyatharini, II B.Sc Chemistry. The resource person began the F/N session by delivering a lecture on need of Science and Technology and explained Fuel cells, Green hydrogen mission, need of batteries and Dye Sensitised Solar cell - A safe BET for near future. He also discussed about the Pros & Cons of fuel cells batteries.

In the A/N session, he trained B.Sc Chemistry and Physics students to perform the experiments such as Production of  $H_2$ -gas from water, Construction of batteries using vegetables/fruits, Super Capacitor & Construction of electrochemical cells. The programme came to an end with vote of thanks by Vinumithra of III B.Sc Chemistry student. No. of Beneficiaries: 62 Students.

Programme Co-ordinator: Dr. J. Dhivaneswari; Dr. S. Umadevi; Dr. F. Vaishnavi

M. Malony  
Signature of HOD

S. Uma d  
Signature of DBT  
co-ordinator

N. Lakshmi  
Signature of the Principal  
SRI GVG VISALAKSHI COLLEGE  
FOR WOMEN (ANONOMOUS)  
VENKATESA MILLS (POST).