



# VIVEKANANDA COLLEGE

(Residential & Autonomous – A Gurukula Institute of Life – Training)

College with Potential for Excellence

Re-accredited with “A” Grade (CGPA 3.59 out of 4.00) by NAAC

Affiliated to Madurai Kamaraj University, Managed by Sri Ramakrishna Tapovanam,  
Tirupparaiturai, Trichy

Tiruvedakam West, Madurai District-625 234, Tamil Nadu

**DBT STAR COLLEGE SCHEME**

Department of Biotechnology, Government of India, New Delhi



Chairman & Principal

: Dr. T. Venkatesan, M. Com., B.Ed., M.Phil., PGDCA., Ph.D

Coordinator & Member Secretary : Dr. G. Ponraj, M.Sc., M.Phil., Ph.D

## REPORT OF THE OUTREACH PROGRAMME

Vivekananda College, Tiruvedakam West, Madurai, Tamil Nadu  
VC / DBT-SCS / 2021-2022/ Report –Outreach Programme

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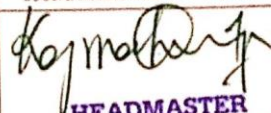
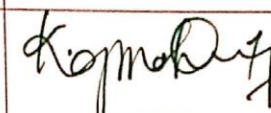

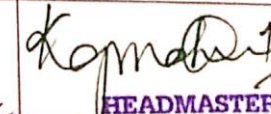
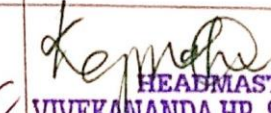
Chairman & Principal : Dr. T. Venkatesan, M. Com., B.Ed., M.Phil., PGDCA., Ph.D  
Coordinator & Member Secretary : Dr. G. Ponraj, M.Sc., M.Phil., Ph.D

**OUTREACH PROGRAMME 2021-2022**

Today, the outreach programme is the need to fulfil the dreams of student community and development of academic skills. As a part of the outreach programme from department of Zoology, Vivekananda College conducted by a special practical and theory classes to the XI-A<sub>1</sub> students by Dr. S. Selvaraj on 11-06-2021 to 21-07-2022. Also, providing the working model, apparatus, glasswares and microscope for the benefit of the school students and promote the learning skills. Around 80 rural students were benefitted in our school during the 2021-2022. These special classes help the school students in enhancing their practical skills and subjects knowledge.

**List of apparatus received from Department of Zoology, Vivekananda College**

1. Compound Microscope
2. Glasswares
3. Test tubes
4. DNA model
5. Heart -working model

Date	Class	Period / Hour	Topic Taught	Signature			
				School Teacher	School Headmaster/ Headmistress with Seal	Dept. Head / Coordinator	Principal
11/6/21	XI - A1	II Hours	Difference between the living and non-living	<i>H. Nagar</i>	 HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	<i>MS. Jay</i>	<i>T. Venkatesh</i>
25/6/21	XI - A1	II Hours	Basis of classification - levels of organisation	<i>H. Nagar</i>	 HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	<i>MS. Jay</i>	<i>T. Venkatesh</i>
16/7/21	XI - A1	II Hours	Non-chordata Phylum - Porifera to Annelida	<i>H. Nagar</i>	 HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	<i>MS. Jay</i>	<i>T. Venkatesh</i>
23/7/21	XI - A1	V Hours	Class: Aves, mammalia	<i>H. Nagar</i>	 HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	<i>MS. Jay</i>	<i>T. Venkatesh</i>
20/8/21	XI - A1	V Hours	Animal tissues Epithelial tissue	<i>H. Nagar</i>	 HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	<i>MS. Jay</i>	<i>T. Venkatesh</i>

Sl. No.	Date	Class	Period / Hour	Topic Taught	Signature			
					School Teacher	School Headmaster/ Headmistress with Seal	Dept. Head / Coordinator	Principal
	27/8/21	XI-A1	3.15 to 4.00 PM	Neural Tissue Epithelial Tissue	M. Rajan	K. Gomathi HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	M. S. Suresh	T. Venkatesh
	17/9/21	XI-A1	3.15 to 4.00 PM	Respiratory system of Lampito mauritii	M. Rajan	K. Gomathi HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	M. S. Suresh	T. Venkatesh
	22/10/21	XI-A1	11.15 AM to 12.00 PM	Anatomy - Digestive system of Cockroach.	M. Rajan	K. Gomathi HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	M. S. Suresh	T. Venkatesh
	12/11/21	XI-A1	11.15 AM to 12.00 PM	Digestion and Absorption.	M. Rajan	K. Gomathi HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	M. S. Suresh	T. Venkatesh
	26/11/21	XI-A1	11.15 AM to 12.00 PM	Respiratory functions and Respiratory organs in various organisms	M. Rajan	K. Gomathi HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	M. S. Suresh	T. Venkatesh

Sl. No.	Date	Class	Period / Hour	Topic Taught	Signature			
					School Teacher	School Headmaster/ Headmistress with Seal	Dept. Head / Coordinator	Principal
	7/1/22	XI-A)	9.20 AM 10.05 AM	Transport of gases	<i>M. Shunugavel</i>	<i>Komathur</i> HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	<i>M. Shunugavel</i>	<i>T. V. Srinivasan</i>
	21/1/22	XI-A)	9.20 AM 10.05 AM	Cardiac cycle & Cardiac output	<i>M. Shunugavel</i>	<i>Komathur</i> HEADMASTER VIVEKANANDA HR. SEC. SCHOOL TIRUVEDAGAM WEST-625 234.	<i>M. Shunugavel</i>	<i>T. V. Srinivasan</i>



சுவாமி பரமசிவன்  
செயலர்

## விவேகானந்த மேல்நிலைப்பள்ளி

(அரசு உதவி பெறும் பள்ளி)  
நிர்வாகம்: ஸ்ரீஜெயாதிருவேணு தபோவாணம்

தொலைபேசி எண்: 9786238032  
திருவேடகம் நேற்கு - 625 234  
(வழி) சோழவந்தான்  
மதுரை மாவட்டம்  
தேதி 1.6.2022

### OUTREACH PROGRAMME 2021-2022

As a part of the outreach programme from department of Zoology, Vivekananda College conducted by a special practical and theory classes to the XI-A, students by Dr. S. Selvaraj on 11-06-2021 to 21-07-2022. Also, providing the working model, apparatus, glasswares and microscope for the benefit of the school students and promote the learning skills. Around 80 rural students were benefitted in our school during the 2021-2022. These special classes help the school students in enhancing their practical skills and subjects knowledge.

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5. Heart -working model



*Komathur*  
16/09/2022  
HEADMASTER  
VIVEKANANDA HR. SEC. SCHOOL  
TIRUVEDAGAM WEST-625 234.

*M. Shunugavel*  
Head of the Department

Head  
PG & Research Dept. of Zoology  
Vivekananda College  
Tiruvedakam West-625 234  
Madurai Dist.

*G. Ponraj*  
DBT-Star College Coordinator  
**Dr. G. PONRAJ**  
ASSOCIATE PROFESSOR  
COORDINATOR  
DBT STAR COLLEGE SCHEME  
VIVEKANANDA COLLEGE  
TIRUVEDAKAM-WES  
MADURAI (Dt) 625234

*T. V. Srinivasan*  
28/9/2022  
Principal  
VIVEKANANDA COLLEGE  
Tiruvedakam West-625234  
Madurai District

## Faculty Enrichment programme for school Teachers on “Recent Perspectives in Biology”



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DBT-Star College Scheme Funded  
Tiruvedakam West, Sholavandan (P.O) Madurai (Dist.) – 625 234



DEPARTMENT OF BIOTECHNOLOGY  
Ministry of Science & Technology  
Government of India

22.07.2022

### PROGRAMME REPORT- 2021-2022


PG & RESEARCH CENTRE IN ZOOLOGY

### TRAINING PROGRAM FOR SCHOOL TEACHERS ON RECENT PERSPECTIVES IN BIOLOGY (Under DBT-Star College Scheme)

The Post Graduate and Research Department of Zoology of our college organised a Faculty Enrichment Programme for School Teachers on “Recent Perspectives in Biology”, under DBT-Star College Scheme on 22<sup>nd</sup> July-2022 (Friday). The programme began with our usual institutional opening prayer “Om Shanavavathu”. Swami Vedananda, Secretary and Swami Adyathmananda, Kulapathi of our college blessed for all the success of the programme, Dr.G. Ponraj, the DBT Coordinator has inducted the programme, Dr. M. Shunmugavelu, Head and Associate Professor of Zoology welcomed the gathering and introduced the resource person, Dr.T.Venkatesan, Principal of our college, presided over the programme and delivered presidential address, Dr.G.Manivannan, Head, Department of Biotechnology, The American College, Madurai, the resource person briefed the topic, and Prof. R.Muthupandi, the organizer of the programme proposed vote of thanks and the inauguration ended with our usual closing prayer “Sarve Bhavanthu”.

In the technical session, the local school Science teachers were the participants. The resource person elaborated the current advancements in Biology in relation to the topic “Recent Perspectives in Biology” encompassing the emerging needs and applications of techniques like microbial culture, separation of DNA, proteins, disease diagnosis, etc. and instruments like PCR, Electrophoresis, Gel Doc, Laminar flow, Various centrifuges, etc. Finally, the participants and the resource person were given appreciation certificates.

  
Programme Organizer

  
DBT-Star College co-ordinator  
**Dr. G. PONRAJ**  
ASSOCIATE PROFESSOR  
COORDINATOR  
DBT STAR COLLEGE SCHEME  
VIVEKANANDA COLLEGE  
TIRUVEDAKAM WEST  
MADURAI DISTRICT

  
Head of the Department  
Head 23/7/22

PG & Research Dept. of Zoology  
Vivekananda College  
Tiruvedakam West-625 234  
- Madurai Dist.

  
Principal 23/7/2022  
**VIVEKANANDA COLLEGE**  
Tiruvedakam West-625234  
- Madurai District



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### PG & RESEARCH DEPARTMENT OF ZOOLOGY Organizes a

#### Faculty Enrichment Programme for School Teachers Under DBT-STAR COLLEGE SCHEME - 2022

Date: 22.07.2022 (Friday)

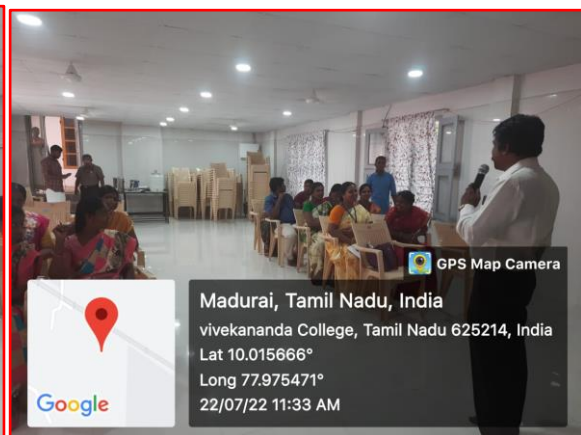
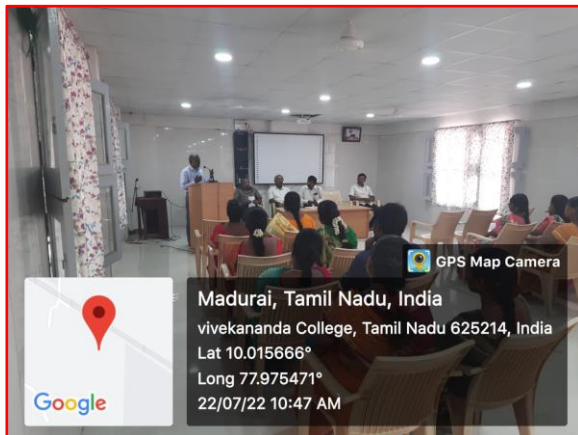
Venue: AV Hall

Time: 10.00 a.m. – 12.00 p.m.

#### Inauguration

- Prayer : **Om Shanavavathu**
- Welcome Address & Introduction of Resource Person : **Dr. M. Shunmugavelu**  
Head and Associate Professor of Zoology  
Vivekananda College
- Presidential Address : **Dr. T. Venkatesan**  
Principal  
Vivekananda College
- Blessings : **Swami Vedananda**  
Secretary  
**Swami Adyathmananda**  
Kulapathi
- Felicitation : **Dr. G. Ponraj**  
Coordinator, DBT Star College Scheme
- Resource Person : **Dr. G. Manivannan**  
Head, Department of Biotechnology  
The American College  
Madurai – 625002.
- Topic : **“RECENT PERSPECTIVES IN BIOLOGY”**
- Vote of Thanks : **Mr. R. Muthupandi**  
Assistant Professor of Zoology
- Prayer : **Sarvae Bavanthu**

*All are Cordially Invited*



# Faculty Enrichment programme for school Teachers on “Effective teaching of science and classroom management”



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DEPARTMENT OF BIOTECHNOLOGY  
Ministry of Science & Technology  
Government of India

23.07.2022

## PROGRAMME REPORT- 2021-2022

PG & RESEARCH CENTRE IN ZOOLOGY

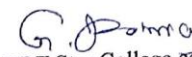
### TRAINING PROGRAM FOR SCHOOL TEACHERS ON EFFECTIVE TEACHING OF SCIENCE AND CLASSROOM MANAGEMENT

(Under DBT-Star College Scheme)

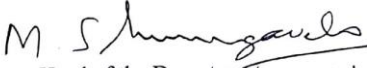
The Post Graduate and Research Department of Zoology of our college organised a Faculty Enrichment Programme for School Teachers on “Effective Teaching of Science and Classroom management”, under DBT-Star College Scheme on 23<sup>rd</sup> July-2022 (Saturday). The programme began with our usual institutional opening prayer “Om Shanavavathu”. Swami Vedananda, Secretary and Swami Adyathmananda, Kulapathi of our college blessed for all the success of the programme, Dr.G. Ponraj – the DBT Coordinator has inducted the programme, Dr. M. Shunmugavelu, Head and Associate Professor of Zoology welcomed the gathering and introduced the resource person, Dr.T.Venkatesan, Principal of our college, presided over the programme and delivered presidential address, Mr.G.Muthu, PG Assistant in Botany, Government ADW Higher Secondary School, Achampathu, Madurai, the resource person briefed the topic, and Prof. R. Muthupandi, the organizer of the programme proposed vote of thanks and the inauguration ended with our usual closing prayer “Sarve Bhavanthu”.

In the technical session, the local school Science teachers were the participants. The resource person has explained about effective teaching methods for the school students. He narrated the psychological approaches in drawing the attention of the students while inculcating the subject knowledge deeper in the minds of the children. Also, the resource person delivered various ideas to motivate the students. Finally, the participants and the resource person were given appreciation certificates.


  
Programme Organizer

  
DBT-Star College co-ordinator

**Dr.G.PONRAJ**  
ASSOCIATE PROFESSOR  
COORDINATOR  
DBT STAR COLLEGE SCHEME  
VIVEKANANDA COLLEGE  
TIRUVEDAKAM-WEST  
MADURAI (DU) 625234

  
Head of the Department  
Head 23/7/22

PG & Research Dept. of Zoology  
Vivekananda College  
Tiruvedakam West-625 234  
Madurai Dist.

  
Principal 27/7/2022  
Principal  
**VIVEKANANDA COLLEGE**  
Tiruvedakam West-625234  
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### PG & RESEARCH DEPARTMENT OF ZOOLOGY Organizes a Faculty Enrichment Programme for School Teachers Under DBT-STAR COLLEGE SCHEME - 2022

Date: 23.07.2022 (Saturday) Venue: AV Hall Time: 10.00 a.m. – 12.00 p.m.

#### Inauguration

- Prayer : **Om Shanavavathu**
- Welcome Address : **Dr. M. Shunmugavelu**  
Head and Associate Professor of Zoology  
Vivekananda College
- Presidential Address : **Dr. T. Venkatesan**  
Principal  
Vivekananda College
- Blessings : **Swami Vedananda**  
Secretary  
**Swami Adyathmananda**  
Kulapathi
- Felicitation : **Dr. G. Ponraj**  
Coordinator, DBT Star College, Scheme
- Resource Person : **Mr. G. MUTHU**  
PG Assistant in Botany  
Govt. ADW Higher Secondary School  
Achampatti, Madurai
- Topic : **"EFFECTIVE TEACHING OF SCIENCE  
AND CLASSROOM MANAGEMENT"**
- Vote of Thanks : **Mr. R. Muthupandi**  
Assistant Professor of Zoology
- Prayer : **Sarvae Bavanthu**

*All are Cordially Invited*

