



INSTITUTIONAL DISTINCTIVENESS

Bridging the Gap: Engaging Students and Communities through Socially Responsible Curriculum Integration

Envisaging the paradigm shift in educational scenario the Institution is committed to provide socially responsible transformative curriculum by offering 2 credits for outreach activities that includes service-learning projects, community-based research, internships and outreach programmes that enable students to engage directly with community issues, fostering a sense of responsibility towards society.

1) **The DBT star college scheme** (2018-2022) implemented at our institution effectively empowers students for advanced education and careers, bridging gaps in science education from early schooling.

Four science departments, Zoology, Physics, Chemistry and Mathematics are covered under this scheme with fund amounting to Rs.4500024.

These departments' curriculum included interactive and experiential learning elements such as group projects, internships, expert lectures, hands-on training, community visits, and scientific exhibitions.

- Mentored 3 colleges, as a part of reaching out to academic fellowships.

Outcome:

- The success stories of our students are illustrated through the recognition of following apex bodies TNSCST, CECRI-Karaikudi, IIT-Delhi and Madras, ICTS and TIFR-Bangalore, IISER-Mohali, Trivandrum, and Andrapradesh, INSA, IITDM Kancheepuram, CSIR-SRTP as project fellows, as research associates and visiting scientists.
- The activities under strengthening component of star college scheme has earned the **Star status** for the college in the year 2022 with funding of Rs.1.25crores.

The exposure of the students to the community through their services is the hall mark of this DBT Scheme.

**DBT STAR COLLEGE SCHEME****DEPARTMENT OF BIOTECHNOLOGY SPONSORED DEPARTMENTS ACTIVITIES**

S.No	Name of the department	Name of the Activity	2018-2019	2019-2020	2020-2021	2021-2022	Over all Total
1	Zoology	Hands- on experiment being conducted /Attended i) Hands on & Training Workshops	2	5	2	2	
2	Chemistry		3	2	-	3	
3	Physics		3	2	1	3	
4	Mathematics		3	2	-	1	
		Total	11	11	3	9	34
1	Zoology	ii) Industrial / Field visit	3	3	2	2	
2	Chemistry		4	7	1	5	
3	Physics		5	5	-	2	
4	Mathematics		1	2	3	4	
		Total	13	17	6	13	49
1	Zoology	iii) Group Project	7	12	10	10	
2	Chemistry		16	16	14	11	
3	Physics		12	12	12	11	
4	Mathematics		10	10	9	8	
		Total	45	50	45	40	180
1	Zoology		2	2	2	3	
2	Chemistry		2	2	12	7	



3	Physics	No. of new experiments introduced	8	6	7	13	
4	Mathematics		3	3	2	2	
		Total	15	13	23	25	76
1	Zoology	Publications (Scopus indexed) /patents, if any	-	-	2	7	
2	Chemistry		-	-	1	4	
3	Physics		-	-	3	1	
4	Mathematics		-	-	4	1	
		Total	-	-	10	13	23
1	Zoology	Training received by faculty	9	9	9	10	
2	Chemistry		16	11	22	19	
3	Physics		8	6	7	13	
4	Mathematics		8	13	25	10	
		Total	41	39	63	52	195
1	Zoology	Exhibitions/ seminars/ training courses conducted	2	1	1	4	
2	Chemistry		2	1	6	2	
3	Physics		2	1	1	2	
4	Mathematics		2	2	1	10	
		Total	8	5	9	18	40
1	Zoology	ii) Internships	1	1	2	2	
2	Chemistry		3	2	-	1	
3	Physics		3	3	1	2	
4	Mathematics		1	1	1	4	



		Total	8	7	4	9	28
1	Zoology	Outreach activities (Popular lectures)	2	2	1	4	
2	Chemistry		2	3	1	1	
3	Physics		3	3	1	4	
4	Mathematics		-	2	2	2	
		Total	7	10	5	11	33
1	Zoology	Colleges mentored to apply for DBT Star College grants	-	-	-	-	
2	Chemistry		-	-	-	-	
3	Physics		-	-	-	2	
4	Mathematics		-	-	-	1	
		Total	-	-	-	3	3
1	Zoology	Invited lectures	3	3	4	2	
2	Chemistry		5	4	5	5	
3	Physics		6	7	6	5	
4	Mathematics		7	4	6	8	
		Total	21	18	21	20	80

CLICK THE LINK TO VIEW MORE DETAILS: <https://gvgvc.ac.in/dbt/dbt.php>



Hands on Training on House hold products -17.09.2021



Hands on Training On "Bee Keeping" -08.012021



Hands on Training on Coir Mat Making- 15.12.2021 to 18.12.2021



Hands on Training On Quick Approach For Solving Problems - 02.03.22 - 05.03.22-



DBT- HANDS ON TRAININGS



Workshop with Hands on Training on Solar PV Technology from 6.02.2018 to 8.02.2018



Workshop on Geogebra- Dynamic Mathematics for Everyone on 15.02.2020



Workshop on Learning Physics Concepts through Experiments on 19.02.2020



Workshop on Journal Writing and Thesis Formatting using LaTeX on 23.08.2017

DBT- WORKSHOPS



ISRO Propulsion Complex, Mahendragiri Hills, Kanyakumari District and District Science Centre, Tirunelveli



HAL Company and Visveswaraya Science museum Bangalore - 30.9.18 & 1.10.18



G.D.Naidu Museum Visit



Sangam, Ornamental Fish Farm At Mukkonam, Udumalpet

DBT- INDUSTRIAL VISIT