

# **ANNUAL REPORT**

**2019-20**

## **DBT STAR COLLEGE SCHEME**

**SUPPORTED**

**BY**

**DEPARTMENT OF BIOTECHNOLOGY**

Ministry of Science and Technology

Government of India



**Guru Nanak College (Autonomous)**

**Guru Nanak Salai, Velachery, Chennai – 600042**

## Projects undertaken by Students

### Department of Mathematics

S.No.	Title	Name of Student	Class
1	Election of Candidates and Simple Counting	Vignesh B Yugendar Raj K. Jyothilingam Vinodhini T	III B.Sc
		S. Revathi	II B.Sc
2	MS Office Excel - Business Tracking	Nivedha. S ChinthadaPavani Divyadharshini Maharaja Karthick Kumar Manikumar T	II B.Sc
3	ATM Money Transaction Using C Language	MohanaPriya.S Rupashree.G Kalaiarasi.D Bhuvaneshwari.S Hemalatha.M Sangeetha.R	II B.Sc
4	Quiz website Using C	A Yogeshwaran SreeragSathyan M Yuvaraj R Sankar Aman Tiwari S Vignesh	II B.Sc
5	Calculator Using C in Website	P. Harikrishnan	III B.Sc
		K Venkatesh Sheik Mohaideen Nareshkumar K J Akash M Vignesh	II B.Sc
6	Snake Game using C	P. Sharmila B. Preethi M. Sowndarya Oviya E P.Shelshiya Gandhi	III B.Sc

### Department of Physics

S.No.	Title	Name of Student	Class
1	Home Automation System	Ruthresh Vaitheeswaran	III B.Sc
2	Data Transmission Via Light	M Vijay S Vigneswaran Sriram K.Anbarasan	III B.Sc
3	Projector	Pooja	III B.Sc
4	Air Cooler	Bhakiyalakshmi	III B.Sc
5	Water Level Indicato	GnanaSoundari Jesika Shivashini	III B.Sc
6	Van De Graff Generator	Baradhan, Tanigaiarasan Chandralekha	III B.Sc
7	Eddy Currents	GowthamAnanthkrishnanPoovarasan	II B.Sc
8	Ping-Pong Ball Accelerator	Prasanna Kumar T. Ramasubramanian	II B.Sc
9	Working Generator	V J Rajbharath	II B.Sc
10	Working Generator	K Muthuvel	II B.Sc
11	Hologram	Amutha Thamizharasi	I B.Sc

### Department of Chemistry

S.No.	Title	Name of Student	Class
1	Synthesis of green nanoparticles.	K. Bharath	III B.Sc
2	Synthesis of magnetic nanoparticles	S. Arjun I.Thirumalsamy	III B.Sc
3	Eco friendly synthesis of Cerium oxide nano particles and its extended application in the removal of orange G dye	Abinaya S.P. Arjun.S	III B.Sc.

### Department of Plant Biology and Plant Biotechnology

S.No.	Title	Name of Student	Class
1	Guru Chukangar Beetroot Tulips	S.Preethi	III B.Sc.
2	Sip & Burst Health Hot Drinks	AdaikalaVincy	III B.Sc.
3	Evaluation and Comparison of the impact of seed Priming Treatments on Seed Germination of Onion ( <i>Allium cepa</i> )	Pratiksha.S Neha	II B.Sc.
4	Comparison of Plant Growth under Hydroponics and under Regular conditions	Neha Pratiksha.S	II B.Sc.
5	Waste Water Treatment Using Reed Bed System	E M. Surya	I B.Sc.

### Department of Advanced Zoology and Biotechnology

S.No.	Title	Name of Student	Class
1	Antibiotic Production by shake flask technique from rhizosphere isolate and antibacterial activity against <i>E. coli</i> and <i>Staphylococcus aureus</i>	Parthasarathy Y Nimal Mani T	AZBT

### Industrial visits

S.No.	Place of Visit	No. of Beneficiaries	Class	Department
1	Cochin University of Science & Technology, Cochin, Kerala	61	III B.Sc.	Mathematics
2	Farm Guru, Sozhavaram	69	II B.Sc.	Mathematics
3	Aavin Milk factory, Shozhinganallur, Chennai	50	I B.Sc	Chemistry
4	Plant Quarantine (Chennai)	41	I B.Sc	PBPB
5	Tamil Nadu Veterinary and Animal Sciences University - Kattupakkam	38	III B.Sc	PBPB
6	Guindy Snake Park, Chennai	46	I B.Sc.	AZBT
7	Central Institute of Brackish	84	I B.Sc.	AZBT

	water Aquaculture (CIBA), Muttukadu		and II B.Sc.	
8	Environmental field trip to Sennakuppam Village, Oragadam	40	I B.Sc. and II B.Sc.	AZBT
9	Turtle Walk (Hands on training on wild life education & Conservation of Olive Ridley Turtle)	40	I B.Sc. and II B.Sc.	AZBT
10	Rameswaram (Central Marine Fisheries Research Institute (CMFRI), Mandapam Camp Field Laboratory)	46	I B.Sc.	AZBT
11	Delhi (Educational Tour to Study the Biodiversity of High-Altitude Fauna and to Identify and Analyse Live Specimen along River Ganges and Yamuna)	43	III B.Sc.	AZBT

**Training Programs participated by students**

S.No.	Programme	Participants	Venue	Department
1	Pie Mathematics Association (PMA) Training Programme	Harikrishnan P	Shankar Business Space, Chennai	Mathematics
2	Industry Based Proficiency workshop on “Solar energy system, Design and Installation”	J.Jesika Chandiralekha.S.P K.V.Tamizharasan G.Geetha B.Subhasri E.Jayashree R.Arishma R.Divya NandiniSree.R.R Pavithra.J.Warrier Madhumitha.S Gokul Subulakshmi Vaisakh.V.R Aravinth.P Rajbharath.V.J	AC seminar Hall and Physics Laboratory, Guru Nanak College.	Physics

		Amarnath.T Saran.V Rajapreetham.R PrasannaKumar.T Rama Subramaniam.V John Joshua. A Ravi Kumar.J Vijai Krishnan Sai Rahul Akash Ranjith Dhayanithi Ananthakrishnan Manoj Kumar Gowtham Poovarasam Jayadev Prabhu.V Sudharsan.C S.G.Gokul M.Kulothungan K.Jyothilingam Surya.E.M Vasanth Narayanan E J.Diana S.Janaranjini V.Lalith Kumar S.Saranya D.Jeeva L.Kiruthika T.Benson M.Rogeeth S.Roshini S.V.Roshan S.Sujitha V.G.Mounica Bala Sai Ram.A M.Hemalatha D.Kalaiarasi E.Hemasundar S.Vinodhini K.Denesh S.Vaibhav		
<b>3</b>	Organic farming and Vermicomposting	Ajay G Anish Kumar	PBPB Laboratory, Guru Nanak	Physics

		Bakkiyalakshmi K ChandiraLekha S P Rishikesh S Ruthresh V Sasikala S Sneha G Tamizharasan K V Vaitheeshwaran J	College	
4	Industry Practice Based Proficiency Workshop on “Solar energy system, Design and Installation”	Prabhu V Gokul S.G. Diana J Kulothungan M Sudharsan C Roshini S. Dheebak Kumar R. Janaranjani S Saranya S Kiruthiga Benson T Keerthiga T Bhuvaneshwari S Dhanalakshmi S	AC seminar Hall and Physics Laboratory , Guru Nanak College	Chemistry
5	Entrepreneurs Through Chemistry	Manikandan E. Bharath Kumar K. MothishKannan N. Divya R. Dhanasekaran L. Vigneshwaran E. Abinaya S.P. Neelamegan K.	Chemistry Laboratory, Guru Nanak College	Chemistry
6	Organic farming and Vermicomposting	Abinaya S P Arjun S Balaji D Hemamalini S Srimathi K Naveenkumar S Sathya S Shree Kamalesh J Srinivasan P Venkatesh Prasad B	PBPB Laboratory, Guru Nanak College	Chemistry
7	Organic farming and Vermicomposting	Anshu Yadav Anushiya M Aswathi K Bharath S Elakiyan T	PBPB Laboratory, Guru Nanak College	PBPB

		Elakkiya V Esha Rishikesh V P Himanshu Gupta U Koushik Srinivas N Mullaivendhan A Praveen Raj K Preethi S Sandhiya J Sriram Kishore R Suryaprakash K		
8	Organic farming and Vermicomposting	Aiswarya S Arjun C K Arun E Dheeraj Babu G Hariharan M Janani G Pavithra M Rohan Ravi A R Surya R Vishnudass N	PBPB Laboratory, Guru Nanak College	AZBT
9	Winter Internship on Basic Molecular Techniques for Life Sciences Students (Under DBT Star College Scheme)	<b>III B.Sc.,</b> Aiswarya S Arjun S Arjun C K Arun E Bharathi S Chandru P Deepak Srinivasan B Dheeraj Babu G Dineshkumar S Gokulakrishnan S Gopika S Hariharan M Jaishankar G Janani G Jemima Ezhilarasi J Kirthika S Kowsalya M Logeshwari E Logeshwari S Lokesh R Manoj Krishna L B Nagaraja P Naveen S Nimal Mani T Nirmal Kumar R Parthasarathy Y	Dept. of Advanced Zoology & Biotechnology, Guru Nanak College	AZBT



		Pavithra M Pradeepa S Prateek Nayak Preethi P Priyanka S Ragini S Rajkumar M Rohan Ravi A R Salma Banu J Sandhiya R Selvapriya S ShakilaBanu S Sivabalan V Sowmiya K Surya N Surya R Vanmathi B Vasanth V Vishnudass N Yeswanth G P Yogesh M		
10	Three generation of PCR and their applications	<b>II B.Sc.,</b> Vaibhav Sri Ganapathy Siddanth	Nitte University Centre for Science and Research, Deralakatte, Mangaluru	AZBT
11	Workshop on Fruits and Vegetable Preservation	<b>I B.Sc.</b> Akila K Deepika S Gnanasekar M Gokul K Gokul Raj V Kavitha S KaviyaSree N Kirubakar S Kishore S Muthuraman S Narasimha Anirudh K L Priyadharshini B Priyanka G Rajesh Behera Rampriyan V K Sathyabharathi P Shabeshwaran T Sneha S V Srilekha K	Guru Nanak Center for Research (GNCR), Guru Nanak College	AZBT

		<p>Tamil Selvam V  Yamuna E  <b>II B.Sc.,</b>  S.Vaibhav  M.Kowsalya  I.Swararaman  S.Gokul  K.Prasanth  <b>III B.Sc.,</b>  G.Jaishankar  G.P.Yeswanth  S.Aiswarya  Jemima Ezhilarasi. J  S.Kirthika  S.Priyanka  Arjun C.K.  S.Naveen  N.Vishnudass  P.Chandru  R.Surya  Hariharan. M  Yogesh. M  Rohan Ravi. A.R  Nirmal Kumar. R  Vanmathi. B  Salma Banu. J  Preethi. P  Rajkumar. M  Dheeraj Babu  Dineshkumar.S  ShakilaBanu.S  Sandhya. R  Gopika. S  Janani. G  NimalMani.T  Prateek Nayak  L.B.Manoj Krishna  Y.Parthasarathy  K.Sowmiya  S.Logeshwari  S.Bharathi  Ragini.S</p>		
12	Workshop - Biobased business and Intellectual property rights	<p><b>I B.Sc.,</b>  Srilekha K  Ramana Kishore  Shabeswaran</p>	Dept. of Biotechnology, Guru Nanak College	AZBT

		Abhay Manikandan Muthuraman S Ashutosh Kushwaha Kishore S Priyanka G Naveen Srinidhi		
13	Workshop on Entrepreneurs through Chemistry (DBT Sponsored)	<b>I B.Sc.,</b> Srilekha K Gazala Parveen Divya R Tharika Ramana Kishore Rampriyan V K Ashutosh Kushwaha Rajesh Behera Shabeswaran PriyankaG	Dept. of Chemistry, Guru Nanak College	AZBT
14	One Day Scientific Seminar Cum Workshop on Impact of Health Awareness on Diabetes and Management	<b>III B.Sc.</b> Gopika Salma Banu <b>II B.Sc.</b> Haripriya Vijitha Deepika Rupasrilekha Hemalatha Vaibhav Suba Soniya	Guru Nanak Center for Research (GNCR) & Dept. of Biotechnology in association with Dr. Mohan Diabetes Specialties Center, Chennai	AZBT
15	DBT Supported Industry Practice Based Proficiency Workshop on Solar Energy System, Design and Installation	<b>II B.Sc.</b> Vaibhav	Dept. of Physics in association with GEMCO Renewable Energy Training Institute, Chennai	AZBT
16	Workshop on Intellectual Property Rights and Innovations	<b>III B.Sc.</b> Prateek Nayak Parthasarathy Y Gokulakrishnan Deepak Srinivasan	Guru Nanak Center for Research (GNCR), Chennai	AZBT
17	International Conference on Impact of Climate Change on Hydrological Cycle, Ecosystem, Fisheries and Food Security	<b>II B.Sc.</b> Vaibhav	Cochin University of Science and Technology, School of Industrial Fisheries, Govt.	AZBT

	(ClimFishCon2020)		of Kerala	
18	National Seminar on Faunal Conservation Champion and How to Become One	<b>I B.Sc.,</b> Sri Lekha K Priyadharshini B Hemalatha R	JBAS College, Chennai	AZBT
19	Beautician Course	Janaranjani S Abinaya A Saranya S Kalaivani M Anuradha R. Muthuselvi R Kiruthika L Keerthiga T Nadhiya M Bhuvaneshwari S Dhanalakshmi S Akshaya Sri C	Guru Nanak Center for Skill Development (GNCS D) offered by Govt. of India	Chemistry
20	Bakery Products Making	Gokul Raj R. Dheebak Kumar R. Mohanarangan N. Prasanth J Dinesh G Santhosh S Santhosh J Nazeer Ahmed Lalith Kumar V Logesh Kumar S InderjitSingh Khanna Jeeva D Vasanthakumar S Balaji S PradeeprajS Benson T Karthick V Santhosh M Balaji P Giri G Sriram R NarasimmanT PrajeethsajeeS J Harish J V Sathya Narayanan B Inbaraj P RishiprasathA Adarsh P AshokrajN Aravindhan R	Guru Nanak Center for Skill Development (GNCS D) offered by Govt. of India	Chemistry

		NavinkumarS Hariharan K Sanjay KannaP Vignesh V Thirumarank ShyamT		
21	Sanitary Napkin Making	<b>23 (I B.Sc., Advanced Zoology &amp; Biotechnology)</b> Agalya P Akila K Deepika S Divya R Gazala Parveen Hemalatha R Kavitha S KaviyaSree N Kowsalya K Leo Licia S Neethu M Priyadharshini B Priyanka G Sathyabharathi P Sneha P Sneha S V Snehalatha S Srilekha K Srinidhi S Supriya R Swetha Tharika D S Yamuna E	Guru Nanak Center for Skill Development (GNCS D) offered by Govt. of India	AZBT
22	Herbal Products	<b>23 (I B.Sc., Advanced Zoology &amp; Biotechnology)</b> Abhay Manikandan Ashutosh Kushwaha Balaji D Deena S Gnanasekar M Gokul K Gokul Raj V KangabamJinitshore Singh Karthic G Kirubakar S Kishore S Logeshwaran E Muthuraman S Narasimha Anirudh K L	Guru Nanak Center for Skill Development (GNCS D) offered by Govt. of India	AZBT

		Naveen S Praveenkumar M Puruzothaman T S Rajesh Behera Ramanakishore V S Rampriyan V K Shabeshwaran T Tamil Selvam V Vignesh S		
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**Training received by faculty from participating departments**

S.No.	Name of Faculty & Department	Program	Venue	Duration
<b><u>Department of Mathematics</u></b>				
1	Dr. P. Nedumaran,	Orientation Programme	University of Madras (sponsored by UGC – HRDC)	05.02.2020- 25.02.2020
2	Ms. J. Vaishnavi	Orientation Programme	University of Madras (sponsored by UGC – HRDC)	05.02.2020- 25.02.2020
<b><u>Department of Chemistry</u></b>				
3	Dr. R.Chitra	Online Refresher course in Chemistry for Higher education	Online Mode	01-09-2019 to 31-12-2019
4	Dr.B.Rajeswari.	Online Refresher course in Chemistry for Higher education	Online Mode	01-09-2019 to 31-12-2019
5	Dr.N. Malarvizhi	Online Refresher course in Chemistry for Higher education	Online Mode	01-09-2019 to 31-12-2019
6	Ms. E. Prathibha	Online Refresher course in Chemistry for Higher education	Online Mode	01-09-2019 to 31-12-2019
7	Dr. P. Balu	Microscale approach in organic laboratory	SDNB Vaishnav	05-09-2019

		techniques	college for women, Chromepet, Chennai	
8	Mr. V. Porchezhiyan	Microscale approach in organic laboratory techniques	SDNB Vaishnav college for women, Chromepet, Chennai	05-09-2019
		One day workshop on Chemoinformatics	Madras Christian College, Tambaram, Chennai	12-10-2020
9	Mr. A. Sridhar	One day workshop on Chemoinformatics	Madras Christian College, Tambaram, Chennai	12-10-2020

**Department of Plant Biology and Plant Biotechnology**

10	Dr. M.Gopi	Workshop on Organic farming and Vermicomposting	PBPB Laboratory, Guru Nanak College	04.03.2020
11	Dr. Poonam Sethi	Workshop on Organic farming and Vermicomposting	PBPB Laboratory, Guru Nanak College	04.03.2020
12	Dr. E. Gayathiri	Workshop on Organic farming and Vermicomposting	PBPB Laboratory, Guru Nanak College	04.03.2020
13	Dr. A.C. Tangavelou	Workshop on Organic farming and Vermicomposting	PBPB Laboratory, Guru Nanak College	04.03.2020

14	Dr. S. Nirmalraj	Workshop on Organic farming and Vermicomposting	PBPB Laboratory, Guru Nanak College	04.03.2020
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**List of Exhibitions / Seminars/ Training course conducted by the college**

**Department of Mathematics**

S.No.	Exhibitions/Seminars/training Course	Date	Beneficiaries
1	Inter-collegiate Math Fest – MaTHirst 2k19  (Mathematical models were made by participants in the title “Mathematics around us” and exhibited)	06.08.2019	608  (participants from other colleges) +200 (GNC)

**Department of Physics**

S.No.	Exhibitions/Seminars/training Course	Date	Beneficiaries
1	Demonstration on “Physics is Fun’  Dr.T S Natarajan Prof., IIT, Tirupathi.	20.07.2019	100
2	Spectran2k19	30.07.2019	150
3	Solar Energy System, Design and Installation – Work shop	09.08.2019- 10.08.2020	60
4	Quiz	29.08.2019	39
5	Interdepartmental Model project competition	19.08.2019	22
6	Spectran 2k19 – Intercollegiate fest	19.12.2020	400

**Department of Chemistry**

S.No.	Exhibitions/Seminars/training Course	Date	Beneficiaries
1	Elements - Inauguration	31.07.2019	150
2	Intercollegiate Chemfest (ELEMENTS 2019 )	29.08.2019	250 from other colleges



3	Current trends in military explosives	18.12.2019	200
4	Interactive Periodic Table in IYPT & A Novel approach in delivery of drugs	04.01.2020	200
5	Invited Talk “NMR Spectroscopy”	28.01.2020	200
6	Entrepreneurs Through Chemistry	02.03.2020	50
7	Stress Management and Futuristic Vision	13.03.2020	150

### Department of Advanced Zoology and Biotechnology

S.No.	Exhibitions/Seminars/training Course	Date	Beneficiaries
1	Inauguration of Zoology Association - Plexus 2K19 - “Human and Insects” on 01.07.2019	01.07.2019	200
2	State Level Symposium on Breast feeding Awareness Among Urban Women	01.08.2019	250
3	Workshop on Wild Life Photography	13.09.2020	180
4	International Conference on Partnership and Ownership Building for Sustainable Development	05.12.2019 and 06.12.2019	GNC- 150 Others - 250
5	National Level Seminar on Science and Technology - Rural Development	06.12.2019 and 07.12.2019	GNC – 132 Others- 168
6	Mechanism of Carcinogenesis by Polycyclic Aromatic Hydrocarbons: Implications for Human Lung Cancer	07.08.2019	150
7	Project - Free Young India	25.09.2019	140
8	Awareness Talk on Corona Virus - Prevention and Control of Epidemic Novel Corona Virus (2019-nCoV) Acute Respiratory Disease.	13.02.2020	94
9	Career Opportunities in Montessori Education	25.02.2020	150

10	National Science Day 2020	28.02.2020	200
12	Intercollegiate Enviro Fest - Plexus	17.12.2019	400

**Department of Plant Biology and Plant Biotechnology**

S.No.	Exhibitions/Seminars/training Course	Date	Beneficiaries
1	One day Special on Flora of Ghana	03.04.2019	94
2	An workshop on Algae research, Algal cultivation and development	15.07.2019	45
3	அறிவியல்கட்டுரைமுதுதல் மற்றும் ஊடகவாய்ப்புகள்	21-08-2019	40
4	Seed For Your Future (Seed Balls Preparation)	21.09.2019	134
5	Interdisciplinary Approach to learn the power of plants	01-10-2019	40
6	Medicinal Plant Expo 2020	10.01.2020	72
7	Organic Farming and Vermicomposting	04.03.2020	49
8	Study tour to Yercaud	13-02-2020 to 15.02.2020	33

**Name, Designation, Host institute of Guest Faculty invited**

S.No.	Name	Designation	Institute
<b>Department of Mathematics</b>			
1	Dr. T. Robinson	Associate Professor & Head, Dept. of Mathematics	Madras Christian College, Chennai
2	Ms. MuthamizhKalaivizhi	Social worker (Founder & CEO)	Neelam Trust, Chennai
<b>Department of Physics</b>			
3	Mr.G.K.ShanmugaSundaram	Solar Consultant	GEMCO Renewable Energy Training Institute, Chennai.

<b>Department of Chemistry</b>			
4	Prof. A. KhajaMohideen	Associate Professor, Dept. of Chemistry	The New College, Chennai
5	Dr. S.Balasubramanian	Emeritus Professor Department of Inorganic Chemistry	University of Madras, Chennai
6	Dr.T.K. Varadarajan	Joint Controller Department of Defence Production	Ministry of Defence, Government of India Pune
7	Prof. P.S.Kalsi	Professor of Eminence, School of Chemistry	Shoolini University, Himachal Pradesh
8	Dr. M.Ardhanaari	Assistant Professor, Department of Psychiatry	Meenakshi Medical College, Kanchipuram, Tamil Nadu
<b>Department of Plant Biology and Plant Biotechnology</b>			
9	Dr. Abdul jalil	Assistant Professor, Department of Biotechnology	New College, Chennai
10	Dr. Imran	Assistant Professor, Department of Biotechnology	New College, Chennai
<b>Department of Advanced Zoology and Biotechnology</b>			
11	Dr. S. Janarthanan	Professor & Head Dept. of Zoology	University of Madras, Guindy, Chennai
12	Dr. P. LathaMageswari	Obstetrics and Gynecology	Dr. Rela Institute and Medical Centre, Chromepet
13	Mrs. P. Jagatheswari	State Consultant	UNICEF, IYCF
14	Mr. P. K. Nalinakshan	Secretary	OISCA South India Chapter
15	Mr. ThilakVeerasinghe	Former President	OISCA Srilanka
16	Mr. D. Saravanan	Vice-President	OISCA Tamil Nadu Chapter
17	Mr. BinoyViswam	Minister of Parliament	Government of Kerala
18	Mr. Kojiro Uchiyama	H E the Consul General	Japan
19	Mr. Fumio Kitsuki	General Secretary	OISCA International
20	Dr. BalakrishnaPisupati	Former Chairman	NBA
21	Dr. V. P. Mathur	Chairman	NBA

22	Mr. Uday Shankar Singh	Chief Controller	VishwaYuwak Kendra, New Selhi
23	Dr. K. V. Jayachandran	Convener	OISCA
24	Mr. M. Aravind Babu	Technical Committee	OISCA International
25	Mr. K. P. Aboobacker	Assistant Secretary General	OISCA South India Chapter
26	Mr. Alok Sinha	Executive vice president	OISCA Tamil Nadu Chapter
27	Mr. P. G. Santhosh Kumar	Vice-president	OISCA Tamil Nadu Chapter
28	Dr. N. Krishnakumar	Secretary	OISCA Tamil Nadu Chapter
29	Dr. KhaleelChowa	IFS (Retd.), Former PCCF, and President Director	Environmental ProgrammeOISCA SIC
30	Dr. Vijayalakshmi Saxena	General President Elect	Indian Science Congress Association
31	Dr. Ashok Kumar Saxena	ISCAPast President	Indian Science Congress Association
32	Dr. Shahul Hameed	ISCASenior Professor,	Indian Science Congress Association
33	Dr. V. S. Chandrasekaran	Department of Social Services	Te-wananga o Aotearoa, New Zealand
34	Prof. R. Ramamurthi	Former Principal	CIBA
35	Prof. Gangadhar	Scientist, Executive Committee	Indian Science Congress Association
36	Dr. Sheo Satya Prakash	Member ISCA	Indian Science Congress Association
37	Dr. Manoj Kumar Chakrabarti	Past General Secretary	Indian Science Congress Association
38	Prof. C. Muthamizhchelvan	ISCA Treasurer	SRM University
39	Prof. S. V. Kashmir Raja	ISCA Council Member	Indian Science Congress Association
40	Prof. M. Bhupathi Naidu	ISCA Council Member	Indian Science Congress Association
41	Dr.ChakrabartiNibedita	ISCA Adjunct Professor	Indian Science Congress Association
42	Dr. S. Balaji	IFS, Former Chief Conservator of Forests	Government of Tamil Nadu
43	Dr. BhagavatulaMoorthy	Professor and Director	Neonatology Research Program, Baylor College of Medicine, Houston, Texas, USA

44	Dr. Shakeel	Founder	Save Our Planet (NGO)
45	Dr. K. P. Dinakaran	Consultant Diabetologist	Lima Multispecialty Hospital, Chennai
46	Ms. ShobhanaVaidyanthan	Director	Montessori Primary Course, Indian Montessori Training Courses, Chennai
47	Dr. V. Chandrasekharan	ARS (Retd.) Scientist, Division Head	CIBA (Central Institute of Brackish Water Aquaculture) Chennai
48	Mr. Dipankar Ghose	Founder & Mentor	Prakruthi Eco Care Group & Experimental Learning Centre, Snake Park, Chennai
49	Mr. R. Madhav	Assistant Cameraman cum Environmentalist, Managing Partner	Art on Green
50	Mr. Maniraj	Founder	Art on Green

**Department of Chemistry:** Students brought water samples from different parts of Chennai, Kanchipuram, Thiruvallur and Chengalpatt districts. Hardness of the water samples were analysed and total hardness was determined by complexometric titration using EDTA

### **Details of Equipment purchased in each department from DBT grant**

#### **Department of Physics**

S.No.	Item
1.	Surface Tension Experiment Full Set
2.	Viscosity apparatus Complete set
3.	Screw Gauge 25 mm s.s
4.	Millammeter 0-15 mA
5.	Milliammeter 0-50 mA
6.	Ammeter 0-1 A
7.	Ammeter 0-2 A
8.	Ammeter 0- 5 A
9.	Voltmeter 0-1V

10.	Voltmeter 0-2V
11.	Voltmeter 0-10 V
12.	Potentiometer 10 wire pencil Jockey
13.	Digital Trainer kit
14.	Microprocessor kit
15.	Digital OP-AMP-kit
16.	Sonometer Power supply
17.	Choke for Mercury vapour lamp
18.	Vernier Caliper IME type with ox
19.	Junction box with 5 meter wire
20.	Steam Boiler for specific heat Exp.
21.	Wooden scale – 1 m
22.	Stop watch digital –Racer mAKE
23.	A/C Sonometer complete set
24.	DCC wire 500g
25.	Sodium Vapour Lamp 35W Transformer
26.	Daniel Cell – AC operated
27.	Leclanche Cell
28.	Two dial Condenser Box
29.	Five Dial resistance Box (x1,x10,x100,x1k,x10k)
30.	Five Dial resistance Box (x0.1,x1,x10,x100,x1k)
31.	Post Office box

**Department of Chemistry**

<b>S.No.</b>	<b>Item</b>
1	Lenova Idea Pad 330
2	Ice UPS 600va
3	Waterbath Rectangular 12 holes
4	Precision Gold Balance 220g

5	Stop Clock Digital Model Topper T-Z
6	Stop Clock Digital Model Topper T-Z

**Department of Plant Biology and Plant Biotechnology**

<b>S.No.</b>	<b>Item</b>
1	Microscope

**Department of Advanced Zoology and Plant Biotechnology**

<b>S.No.</b>	<b>Item</b>
1	Stabilizer VG -50
2	Stabilizer VG -100
3	Pre RO Intello with 40 Ltr. HN Tank
4	Student Microscope HAS-Magnus
5	Binocular Microscope CH20i-Magnus
6	Student Microscope HAS-Magnus
7	Lenovo Laptop V130